

SREL PUBLICATIONS LIST

Publ No.

- 0001 Odum, E.P. and E.J. Kuenzler. 1955. Measurement of territory and home range size in birds. *Auk* 72:128-137.
- 0002 Cross, W.H. 1955. *Anisopteran odonata* of the Savannah River Plant, South Carolina. *Journal of the Elisha Mitchell Scientific Society* 71:9-17.
- 0003 Odum, E.P. 1955. Consideration of the total environment in power reactor waste disposal. In International Conference on the Peaceful Uses of Atomic Energy, U.S. Atomic Energy Commission, Technical Information Division.
- 0004 Odum, E.P. 1956. Ecological aspects of waste disposal. p. 95-103. In Conference on Radioactive Isotopes in Agriculture, TID-7512. U.S. Atomic Energy Commission, Technical Information Division.
- 0005 Johnston, D.W. 1956. A preliminary study of subspecies of Savannah sparrows at the Savannah River Plant, South Carolina. *Auk* 73:454-456.
- 0006 Norris, R.A. and G.L. Hight Jr. 1957. Subspecific variation in winter populations of Savannah sparrows: a study of field taxonomy. *The Condor* 59:40-52.
- 0007 Gentry, J.B. and E.P. Odum. 1957. The effect of weather on the winter activity of old-field rodents. *Journal of Mammalogy* 38:72-77.
- 0008 Norris, R.A., C.E. Connell, and D.W. Johnston. 1957. Notes on fall plumages, weights, and fat condition in the ruby-throated hummingbird. *The Wilson Bulletin* 69:155-163.
- 0009 Odum, E.P. and G.L. Hight. 1957. The use of mist nets in population studies of winter fringillids on the AEC Savannah River Area. *Bird-Banding* 28:203-213.
- 0010a Norris, R.A. 1958. Sprague's pipit in Aiken County, South Carolina. *The Chat* 22:46.
- 0010b Odum, E.P. and R.A. Norris. 1958. Gray kingbird in the interior of South Carolina. *The Chat* 22:46.
- 0010c Norris, R.A. 1958. First record of the western meadowlark in South Carolina. *The Chat* 22:46-48.
- 0010d Norris, R.A. 1958. Absence of natal down in the white-eyed vireo. *Auk* 75:221.

- 0011 Norris, R.A. 1957. Breeding bird census: Two South Carolina censuses. Audubon Field Notes 1-4.
- 0012 Kuenzler, E.J. 1958. Niche relations of three species of lycosid spiders. Ecology 39:494-500.
- 0013 Odum, E.P., E.J. Kuenzler, and S.M.X. Blunt. 1958. Uptake of P³² and primary productivity in marine benthic algae. Limnology and Oceanography 3:340-345.
- 0014 Norris, R.A. and D.W. Johnston. 1958. Weights and weight variations in summer birds from Georgia and South Carolina. The Wilson Bulletin 70:114-129.
- 0015 Norris, R.A. 1958. Some effects of X-irradiation on the breeding biology of eastern bluebirds. Auk 75:444-455.
- 0016 Odum, E.P. 1960. Organic production and turnover in old field succession. Ecology 41:34-49.
- 0017 Connell, C.E., E.P. Odum, and H.H. Kale. 1960. Fat-free weights of birds. Auk 77:1-9.
- 0018 Odum, E.P. 1960. Premigratory hyperphagia in birds. American Journal of Clinical Nutrition 8:621-629.
- 0019 Willard, W.K. 1960. Avian uptake of fission products from an area contaminated by low-level atomic wastes. Science 132:148-150.
- 0020 Bachmann, R.W. and E.P. Odum. 1960. Uptake of Zn⁶⁵ and primary productivity in marine benthic algae. Limnology and Oceanography 5:349-355.
- 0021 Golley, F.B. 1960. An index to the rate of cellulose decomposition in the soil. Ecology 41:551-552.
- 0022 Norris, R.A. 1960. Density, racial composition, sociality, and selective predation in nonbreeding populations of Savannah sparrows. Bird Banding 31:55-57.
- 0023 Odum, E.P. and A.J. Ponton. 1961. Population density of the underground ant, *Lasius flavus*, as determined by tagging with P³². Ecology 42:186-188.
- 0024 Golley, F.B. 1961. Trap and bait preferences of cotton rats. Journal of Mammalogy 42:106-107.
- 0025 Norris, R.A. 1961. A modification of the Miller method of aging live passerine birds. Bird-Banding 32:55-57.
- 0026 Norris, R.A. 1961. A new method of preserving bird specimens. Auk 78:436-440.

- 0027 Golley, F.B. 1961. Effect of trapping on adrenal activity in *Sigmodon*. *Journal of Wildlife Management* 25:331-333.
- 0028 Golley, F.B. 1961. Energy values of ecological materials. *Ecology* 42:581-584.
- 0029 Odum, E.P. 1961. Excretion rate of radio-isotopes as indices of metabolic rates in nature: biological half-life of zinc-65 in relation to temperature, food consumption, growth and reproduction in arthropods. *Biological Bulletin* 121:371-372.
- 0030 Odum, E.P., C.E. Connell, and L.B. Davenport. 1962. Population energy flow of three primary consumer components of old-field ecosystems. *Ecology* 43:88-96.
- 0031 Odum, E.P., R.P. Martin, and B.C. Loughman. 1962. Scanning systems for the rapid determination of radioactivity in ecological materials. *Ecology* 43:171-173.
- 0032 Norris, R.A. 1961. Colors of stomach linings of certain passerines. *The Wilson Bulletin* 73:380-383.
- 0033 Golley, F.B. 1962. The eight-year trend in quail and dove call counts in the AEC Savannah River Plant area. p. 212-224. In Twenty-Seventh North American Wildlife Natural Resources Conference, Wildlife Management Institute. Washington, D.C.
- 0034 Odum, E.P. 1962. Relationships between structure and function in the ecosystem. *Japanese Journal of Ecology* 12:108-118.
- 0035 Mishima, J. and E.P. Odum. 1963. Excretion rate of Zn⁶⁵ by *Littorina irrorata* in relation to temperature and body size. *Limnology and Oceanography* 8:39-44.
- 0036 Odum, E.P. and E.J. Kuenzler. 1963. Experimental isolation of food chains in an old-field ecosystem with the use of phosphorus-32. In First National Symposium on Radioecology, edited by V. Schultz and A. Klement Jr. New York, NY. Reinhold Publications Corporation.
- 0037 Odum, E.P. and F.B. Golley. 1963. Radioactive tracers as an aid to the measurement of energy flow at the population level in nature. In First National Symposium on Radioecology, edited by V. Schultz and A. Klement Jr. New York, NY. Reinhold Publications Corporation.
- 0038 Odum, E.P. 1963. Panel discussion on education and research training. In First National Symposium on Radioecology, edited by V. Schultz and A. Klement Jr. New York, NY. Reinhold Publishing Corporation.

- 0039 Willard, W.K. 1963. Relative sensitivity of nestlings of wild passerine birds to gamma radiation. In First National Symposium on Radioecology, edited by V. Schultz and A. Klement Jr. New York, NY. Reinhold Publishing Corporation.
- 0040 Norris, R.A. 1963. Birds of the AEC Savannah River Plant area. Contributions from the Charleston Museum Bulletin 14:1-78.
- 0041 Odum, E.P. and A.A. de la Cruz. 1963. Detritus as a major component of ecosystems. AIBS Bulletin 13:39-40.
- 0042 Golley, F.B. 1963. A contribution to a bibliography of mice of the genus *microtus*. U.S. Atomic Energy Commission, Technical Information Division. TID-18274.
- 0043 Menhinick, E.F. 1963. Estimation of insect population density in herbaceous vegetation with emphasis on removal sweeping. Ecology 44:617-621.
- 0044 Menhinick, E.F. 1963. Insect species in the herb stratum of a *Sericea lespedeza* stand, AEC Savannah River Project, Aiken, South Carolina. U.S. Atomic Energy Commission, Technical Information Division. TID-19136.
- 0045 Schnell, J.H. 1963. Prairie warbler nests on a 0.6-acre island. The Wilson Bulletin 75:280-281.
- 0046 Davenport, L.B., Jr. 1964. Structure of two *Peromyscus polionotus* populations in old-field ecosystems at the AEC Savannah River Plant. Journal of Mammalogy 45:95-113.
- 0047 Caldwell, L.D. 1964. An investigation of competition in natural populations of mice. Journal of Mammalogy 45:12-30.
- 0048 Bellis, E.D. 1964. A summer six-lined racerunner (*Cnemidophorus sexlineatus*) population in South Carolina. Herpetologica 20:9-16.
- 0049 Schnell, J.H. 1964. A mink exterminates an insular cotton rat population. Journal of Mammalogy 45:305-306.
- 0050 Golley, F.B. and J.B. Gentry. 1964. Bioenergetics of the southern harvester ant, *Pogonomyrmex badius*. Ecology 45:217-225.
- 0051 McCormick, J.F. and D.J. Cotter. 1964. Radioactivity on southeastern granite outcrops. The Bulletin of the Georgia Academy of Sciences 22:20-28.
- 0052 Gentry, J.B. 1964. Homing on the old-field mouse. Journal of Mammalogy 45:276-283.

- 0053 Wiegert, R.G. 1964. The ingestion of xylem sap by meadow spittlebugs *Philaenus spumarius* (L.). *The American Midland Naturalist* 71:422-428.
- 0054 Wiegert, R.G. and R.G. Lindeborg. 1964. A "stem well" method of introducing radioisotopes into plants to study food chains. *Ecology* 45:406-410.
- 0055 Schnell, J.H. 1964. Some effects of neutron-gamma radiation on late summer bird populations. *Auk* 81:528-533.
- 0056 McCormick, J.F. 1964. Interactions of gamma radiation and drought upon *Pinus elliottii* and *Pinus palustris*. *BioScience* 14:43-44.
- 0057 Wood, J.E. and E.P. Odum. 1965. A nine-year history of furbearer populations on the AEC Savannah River Plant area. *Journal of Mammalogy* 45:540-551.
- 0058 Odum, E.P. 1965. Summary. In Ecological Effects of Nuclear War, edited by G.M. Woodwell. p. 69-72. Vol. BNL 917 (C-43). Brookhaven National Laboratories.
- 0059 Odum, E.P. 1964. The new ecology. *BioScience* 14:14-16.
- 0060 Caldwell, L.D. and J.B. Gentry. 1965. Interactions of *Peromyscus* and *Mus* in a one-acre field enclosure. *Ecology* 46:189-192.
- 0061 Beyers, R.J. 1964. The microcosm approach to ecosystem biology. *The American Biology Teacher* 26:491-498.
- 0062 Beyers, R.J. 1964. Measuring the carbon dioxide metabolism of aquatic organisms. *The American Biology Teacher* 26:499-510.
- 0063 Menhinick, E.F. 1964. A comparison of some species-individuals diversity indices applied to samples of field insects. *Ecology* 45:859-861.
- 0064 Golley, F.B. 1965. Structure and function of an old-field broomsedge community. *Ecological Monographs* 35:113-137.
- 0065 McCormick, J.F. and W.N. Rushing. 1964. Differential radiation sensitivities of races of *Sedum pulchellum* Michx: a useful method of plant identification. *Radiation Botany* 4:247-251.
- 0066 Golley, F.B., J.B. Gentry, E.F. Menhinick, and J.L. Carmon. 1965. Response of wild rodents to acute gamma radiation. *Radiation Research* 24:350-356.
- 0067 Golley, F.B., J.B. Gentry, L.D. Caldwell, and L.B. Davenport Jr. 1965. Number and variety of small mammals on the AEC Savannah River Plant. *Journal of Mammalogy* 46:1-18.

- 0068 Wiegert, R.G. and F.C. Evans. 1964. Primary production and the disappearance of dead vegetation on an old field in southeastern Michigan. *Ecology* 45:49-63.
- 0069 Wiegert, R.G. 1964. Population energetics of meadow spittlebugs (*Philaenus spumarius* [sic] L.) as affected by migration and habitat. *Ecological Monographs* 34:217-241.
- 0070 Schnell, J.H. 1963. The effect of neutron-gamma radiation on free-living small mammals at the Lockheed Reactor Site. In First National Symposium on Radioecology, edited by V. Schultz and A. W. Klement Jr. New York, NY. Reinhold Publishing Corporation and the American Institute of Biological Sciences.
- 0071 Golley, F.B. 1957. Gestation period, breeding and fawning behavior of Columbian black-tailed deer. *Journal of Mammalogy* 38:116-120.
- 0072 Golley, F.B. 1960. Anatomy of the digestive tract of *Microtus*. *Journal of Mammalogy* 41:89-99.
- 0073 Golley, F.B. 1961. Interaction of natality, mortality and movement during one annual cycle in a *Microtus* population. *The American Midland Naturalist* 66:152-159.
- 0074 Golley, F.B., H.T. Odum, and R.F. Wilson. 1962. The structure and metabolism of a Puerto Rican red mangrove forest in May. *Ecology* 43:9-19.
- 0075 Odum, E.P., F. B. Golley. 1963. Laboratory of radiation ecology, AEC Savannah River Plant. *American Zoologist* 3:
- 0076 Golley, F.B. 1963. Caloric value of cotton rats (*Sigmodon hispidus* Say and Ord). In Energy Flow Through Small Mammals Populations, edited by K. Petruszewicz and L. Ryszkowski. p. 143-147.
- 0077 Humphries, R.L. 1965. A study of the movements of the channel catfish, *Ictalurus lacustris punctatus*, in the Savannah River and one of its tributaries within the AEC Savannah River Operations area. U.S. Atomic Energy Commission, Technical Information Division. TID-21791.
- 0078 Golley, F.B. 1965. Ecological and Radioecological Investigations at the AEC Savannah River Plant. Savannah River Ecology Laboratory, University of Georgia. Annual Report of Ecological Research.
- 0079 Jenkins, J.H. and E.E. Provost. 1964. The population status of the larger vertebrates on the Atomic Energy Commission Savannah River Plant site. U.S. Atomic Energy Commission, Technical Information Division. TID-19562.

- 0080 Golley, F.B. and A.H. Loyal. 1965. Onsite ecological research of the division of biology and medicine at the Savannah River Ecology Laboratory. U.S. Atomic Energy Commission, Technical Information Division. TID-21713.
- 0081 Golley, F.B., R.G. Wiegert, and R.W. Walter. 1965. Excretion of orally administered zinc-65 by wild small mammals. *Health Physics* 11:719-722.
- 0082 Monk, C.D. and T.W. Brown. 1965. Ecological consideration of cypress heads in northcentral Florida. *The American Midland Naturalist* 74:126-140.
- 0083 Caldwell, L.D. and J.B. Gentry. 1965. Natality in *Peromyscus polionotus* populations. *The American Midland Naturalist* 74:168-175.
- 0084 Caldwell, D.K. and F.B. Golley. 1965. Marine mammals from the coast of Georgia to Cape Hatteras. *Journal of the Elisha Mitchell Scientific Society* 81:24-32.
- 0085 Wiegert, R.G. 1965. Intraspecific variation in calories/g of meadow spittlebugs (*Philaenus spumarius* L.). *BioScience* 15:543-545.
- 0086 Golley, F.B., G.A. Petrides, E.L. Rauber, and J.H. Jenkins. 1965. Food intake and assimilation by bobcats under laboratory conditions. *Journal of Wildlife Management* 29:442-447.
- 0087 Monk, C.D. 1965. Southern mixed hardwood forest of northcentral Florida. *Ecological Monographs* 35:335-354.
- 0088 Golley, F.B., G.A. Petrides, and J.F. McCormick. 1965. A survey of the vegetation of the Boiling Springs Natural Area, South Carolina. *Bulletin of the Torrey Botanical Club* 92:355-363.
- 0089 Golley, F.B., E.L. Rauber, E.L. Morgan, and J.H. Jenkins. 1965. Effect of acute gamma radiation on wild opossum, gray fox, raccoon and bobcat. *Health Physics* 11:1573-1576.
- 0090 Beyers, R.J., J.L. Larimer, H.T. Odum, R.B. Parker, and N.E. Armstrong. 1963. Directions for the determination of changes in carbon dioxide concentration from changes in pH. *Publications of the Institute of Marine Science University of Texas* 9:454-489.
- 0091 McCormick, J.F. and R.E. McJunkin. 1965. Interactions of gamma radiation and other environmental stresses upon pine seeds and seedlings. *Health Physics* 11:1643-1652.

- 0092 Cotter, D.J. and J.T. McGinnis. 1965. Recovery of hardwood stands 3-5 years following acute irradiation. *Health Physics* 11:1663-1673.
- 0093 Golley, F.B. and J.F. McCormick. 1966. Development of a 137-cesium facility for ecological research. U.S. Atomic Energy Commission, Technical Information Division. TID-22499.
- 0094 Wiegert, R.G. 1965. Energy dynamics of the grasshopper populations in old field and alfalfa field ecosystems. *Oikos* 16:161-176.
- 0095 Gentry, J.B., F.B. Golley, and J.T. McGinnis. 1966. Effect of weather on captures of small mammals. *The American Midland Naturalist* 75:526-530.
- 0096 Beyers, R.J. 1965. The pattern of photosynthesis and respiration in laboratory microecosystems. *Memoirs dell'Istituto Italiano di Idrobiologia dott Marco de Marchi* 18:61-74.
- 0097 Golley, F.B., E.L. Morgan, and J.L. Carmon. 1966. Progression of molt in *Peromyscus polionotus*. *Journal of Mammalogy* 47:145-148.
- 0098 Monk, C.D. 1966. Effects of short-term gamma irradiation on an old field. *Radiation Botany* 6:329-335.
- 0099 Golley, F.B. 1966. Mammals of the world. *Journal of Wildlife Management* 30:444-445.
- 0100 Coleman, D.C. and A. MacFadyen. 1966. The recolonization of gamma-irradiated soil by small arthropods: a preliminary study. *Oikos* 17:62-70.
- 0101 Monk, C.D. 1966. An ecological significance of evergreenness. *Ecology* 47:504-505.
- 0102 Beyers, R.J. 1967. Partial bibliography of interest to those measuring the primary productivity of aquatic ecosystems. University of Georgia Savannah River Ecology Laboratory.
- 0103 Van Pelt, A.F. 1966. Activity and density of old-field ants of the Savannah River Plant, South Carolina. *Journal of the Elisha Mitchell Scientific Society* 82:35-43.
- 0104 Kormondy, E.J. 1965. Uptake and loss of zinc-65 in the dragonfly *Plathemis lydia*. *Limnology and Oceanography* 10:427-433.
- 0105 Marples, T.G. 1966. A radionuclide tracer study of arthropod food chains in a *Spartina* salt marsh ecosystem. *Ecology* 47:270-277.

- 0106 McCormick, J.F. and F.B. Golley. 1966. Irradiation of natural vegetation: an experimental facility, procedures and dosimetry. *Health Physics* 12:1467-1474.
- 0107 Gentry, J.B. 1966. Invasion of a one-year abandoned field by *Peromyscus polionotus* and *Mus musculus*. *Journal of Mammalogy* 47:431-439.
- 0108 Monk, C.D. and J.T. McGinnis. 1966. Tree species diversity in six forest types in north central Florida. *Journal of Ecology* 54:341-344.
- 0109 Wiegert, R.G. and J.C. Mayenschein. 1966. Distribution and trap response of a small wild population of cotton rats (*Sigmodon h. hispidus*). *Journal of Mammalogy* 47:118-120.
- 0110 Caldwell, L.D. 1966. Marsh rabbit development and ectoparasites. *Journal of Mammalogy* 47:527-528.
- 0111 Monk, C.D. 1966. An ecological study of hardwood swamps in north-central Florida. *Ecology* 47:649-654.
- 0112 Beyers, R.J. 1966. Metabolic similarities between symbiotic coelenterates and aquatic ecosystems. *Archives of Environmental Contamination and Toxicology* 62:273-284.
- 0113 Golley, F.B. and J.B. Gentry. 1966. A comparison of variety and standing crop of vegetation on a one-year and a twelve-year abandoned field. *Oikos* 15:185-199.
- 0114 Bunnell, B.N. and M.H. Smith. 1966. Septal lesions and aggressiveness in the cotton rat, *Sigmodon hispidus*. *Psychonomic Science* 6:443-444.
- 0115 Smith, M.H. and W.E. Criss. 1967. Effects of social behavior, sex, and ambient temperature on the endogenous diel body temperature cycle of the old field mouse, *Peromyscus polionotus*. *Physiological Zoology* 40:31-39.
- 0116 Coleman, D.C. 1966. The laboratory population ecology of *Kerona pediculus* (O.F.M.) epizoic on *Hydra* spp. *Ecology* 47:705-711.
- 0117 Monk, C.D. 1966. Root-shoot dry weights in loblolly pine. *Botanical Gazette* 127:246-248.
- 0118 Monk, C.D. 1967. Radioisotope tagging through seed soaking. *Bulletin of the Georgia Academy of Science* 25:13-17.
- 0119 Monk, C.D. 1966. Ecological importance of root/shoot ratios. *Bulletin of the Torrey Botanical Club* 93:402-406.

- 0120 Caldwell, L.D. 1967. Attack behavior of a loggerhead shrike. *The Wilson Bulletin* 79:116-117.
- 0121 Monk, C.D. 1967. Tree species diversity in the eastern deciduous forest with particular reference to north central Florida. *The American Naturalist* 101:173-187.
- 0122 Wiegert, R.G., E.P. Odum, and J.H. Schnell. 1967. Forb-arthropod food chains in a one-year experimental field. *Ecology* 48:75-83.
- 0123 de la Cruz, A.A. and R.G. Wiegert. 1967. ³²-Phosphorus tracer studies of a horseweed-aphid-ant food chain. *The American Midland Naturalist* 77:501-509.
- 0124 Orr, H.H. 1967. Excretion of orally administered zinc-65 by the cotton rat in the laboratory and field. *Health Physics* 13:15-20.
- 0125 Coleman, D.C. and R.G. Wiegert. 1967. A simple, inexpensive temperature integrator. *BioScience* 17:481-482.
- 0126 Monk, C.D. 1967. The root-shoot weight relationship of four widely separated seedling populations of red maple. *Bulletin of the Torrey Botanical Club* 94:197-199.
- 0127 Esch, G.W. and J.W. Gibbons. 1967. Seasonal incidence of parasitism in the painted turtle, *Chrysemys picta marginata* Agassiz. *Journal of Parasitology* 53:818-821.
- 0128 Gibbons, J.W. 1967. Possible underwater thermoregulation by turtles. *Canadian Journal of Zoology* 45:585.
- 0129 Cooke, G.D., R. J. Beyers and E. P. Odum. 1967. The pattern of autotrophic succession in laboratory microcosms. *BioScience* 17:717-721.
- 0130 Monk, C.D. 1967. Effects of gamma irradiation on growth in slash pine seedlings when different plant parts are exposed. *Bulletin of the Georgia Academy of Science* 25:197-201.
- 0131 Menhinick, E.F. 1967. Structure, stability and energy flow in plants and arthropods in a *Sericea lespedeza* stand. *Ecological Monographs* 37:255-272.
- 0132 Gibbons, J.W. 1967. Variation in growth rates in three populations of the painted turtle, *Chrysemys picta*. *Herpetologica* 23:296-303.
- 0133 Smith, M.H. 1966. Mating behavior in the old-field mouse. *American Zoologist* 6:135.

- 0134 Smith, M.H. 1964. Species specific discriminatory behavior shown in the laboratory by *Peromyscus polionotus* and *P. gossypinus*. *American Zoologist* 4:136.
- 0135 Smith, M.H. 1965. Behavioral discrimination shown by allopatric and sympatric males of *Peromyscus eremicus* and *Peromyscus californicus* between females of the same two species. *Evolution* 19:430-435.
- 0136 Smith, M.H. 1965. Dispersal capacity of the dusky-footed woodrat, *Neotoma fuscipes*. *The American Midland Naturalist* 74:457-463.
- 0137 Smith, M.H. and W.E. Criss. 1964. Effects of sex and ambient temperature on the endogenous diel body temperature cycle of *Peromyscus polionotus*. *Association of Southeastern Biologists Bulletin* 11:56.
- 0138 Smith, M.H. 1965. Oxygen concentration as a cue for reduction in the rate of metabolism in the old field mouse, *Peromyscus polionotus*. *Association of Southeastern Biologists Bulletin* 12:51.
- 0139 Smith, M.H. 1966. The evolutionary significance of certain behavioral physiological and morphological adaptations of the old-field mouse, *Peromyscus polionotus*. *Dissertation Abstracts* 27:
- 0140 Buechner, H.K. and F.B. Golley. 1967. 2.2.1 Preliminary estimation of energy flow in Uganda kob (*Adenota kob thomasi* Neumann). In Secondary Productivity of Terrestrial Ecosystems, edited by K. Petrusewicz. p. 243-254. Warsaw, Poland.
- 0141 Gibbons, J.W. 1968. Observations on the ecology and population dynamics of the Blanding's turtle, *Emydoidea blandingi*. *Canadian Journal of Zoology* 46:288-290.
- 0142 Golley, F.B. 1967. 2.1.1 Methods of measuring secondary productivity in terrestrial vertebrate populations. In Secondary Productivity of Terrestrial Ecosystems, edited by K. Petrusewicz. p. 99-124. Warsaw, Poland.
- 0143 Gibbons, J.W. 1968. Carapacial algae in a population of the painted turtle, *Chrysemys picta*. *The American Midland Naturalist* 79:517-519.
- 0144 Monk, C.D. 1968. Successional and environmental relationships of the forest vegetation of north central Florida. *The American Midland Naturalist* 79:441-457.
- 0145 Golley, F.B. 1968. Secondary productivity in terrestrial communities. *American Zoologist* 8:53-59.
- 0146 Smith, M.H. 1967. Sex ratios in laboratory and field populations of the old-field mouse, *Peromyscus polionotus*. *Researches on Population Ecology* 9:108-112.

- 0147 Wiegert, R.G. and F.C. Evans. 1967. 3.2.1 Investigations of secondary productivity in grasslands. In Secondary Productivity of Terrestrial Ecosystems, edited by K. Petrusewicz. p. 499-518. Warsaw, Poland.
- 0148 Cooke, G.D., R.J. Beyers, and E.P. Odum. 1968. The case for the multispecies ecological system, with special reference to succession and stability. In Bioregenerative Systems, p. 129-139. Vol. 165. NASASP.
- 0149 Gibbons, J.W. 1968. Population structure and survivorship in the painted turtle, *Chrysemys picta*. *Copeia* p. 260-268.
- 0150 Smith, M.H. 1967. Variation in plantar tubercles in *Peromyscus polionotus*. *Quarterly Journal of the Florida Academy of Sciences* 30:108-110.
- 0151 Smith, M.H. 1968. Dispersal of the old-field mouse, *Peromyscus polionotus*. *Bulletin of the Georgia Academy of Science* 26:45-51.
- 0152 Brisbin, I.L., Jr. 1968. Evidence for the use of postanal musk as an alarm device in the king snake, *Lampropeltis getulus*. *Herpetologica* 24:169-170.
- 0153 Smith, M.H. 1968. A comparison of different methods of capturing and estimating numbers of mice. *Journal of Mammalogy* 49:455-462.
- 0154 Smith, M.H. 1967. Mating behavior of *Peromyscus polionotus*. *Quarterly Journal of the Florida Academy of Sciences* 30:230-240.
- 0155 Monk, C.D. 1967. Effects of gamma irradiation on prickly pear cactus. *Quarterly Journal of the Florida Academy of Sciences* 30:168-172.
- 0156 Knight, A.W. and J.W. Gibbons. 1968. Food of the painted turtle, *Chrysemys picta*, in a polluted river. *The American Midland Naturalist* 80:558-562.
- 0157 Gibbons, J.W. and S. Nelson, Jr. 1968. Observations on the mudpuppy, *Necturus maculosus*, in a Michigan lake. *The American Midland Naturalist* 80:562-564.
- 0158 Williams, R.G., J.L. Carmon, and M.H. Smith. 1968. Influence of temperature on the susceptibility of the old-field mouse (*Peromyscus polionotus*) to acute radiation. *Radiation Research* 35:709-713.
- 0159 Gentry, J.B. 1968. Dynamics of an enclosed population of pine mice, *Microtus pinetorum*. *Researches on Population Ecology* 10:21-30.
- 0160 Kormondy, E.J. 1968. Weight loss of cellulose and aquatic macrophytes in a Carolina bay. *Limnology and Oceanography* 13:522-526.

- 0161 Gentry, J.B., E.P. Odum, M. Mason, V. Nabholz, S. Marshall, and J.T. McGinnis. 1968. Effect of altitude and forest manipulation on relative abundance of small mammals. *Journal of Mammalogy* 49:539-541.
- 0162 Gentry, J.B. and M.H. Smith. 1968. Food habits and burrow associates of *Peromyscus polionotus*. *Journal of Mammalogy* 49:562-565.
- 0163 Coleman, D.C. 1968. A method for intensity labelling of fungi for ecological studies. *Mycologia* 60:960-961.
- 0164 Gibbons, J.W. 1968. Reproductive potential, activity, and cycles in the painted turtle, *Chrysemys picta*. *Ecology* 49:399-409.
- 0165 Beyers, R.J. and R.W. Warwick. 1968. The production of carbon dioxide by *Rangia cuneata*. *Contributions in Marine Science* 13:43-50.
- 0166 Gibbons, J.W. 1968. Growth rates of the common snapping turtle, *Chelydra serpentina* in a polluted river. *Herpetologica* 24:266-267.
- 0167 Brisbin, I.L., Jr. 1968. A determination of the caloric density and major body components of large birds. *Ecology* 49:792-794.
- 0168 Boyd, C.E. 1968. Fresh-water plants: a potential source of protein. *Economic Botany* 22:359-368.
- 0169 Smith, M.H. and J.T. McGinnis. 1968. Relationships of latitude, altitude, and body size to litter size and mean annual production of offspring in *Peromyscus*. *Researches on Population Ecology* 10:115-126.
- 0170 Schnell, J.H. 1968. The limiting effects of natural predation on experimental cotton rat populations. *Journal of Wildlife Management* 32:698-711.
- 0171 Brisbin, I.L., Jr. 1968. The passenger pigeon: a study in the ecology of extinction. *Modern Game Breeding* 4:13-20.
- 0172 Gentry, J.B., F.B. Golley, and M.H. Smith. 1968. An evaluation of the proposed International Biological Program census method for estimating small mammal populations. *Acta Theriologica* 13:313-327.
- 0173 Gibbons, J.W. and M.H. Smith. 1968. Evidence of orientation by turtles. *Herpetologica* 24:331-333.
- 0174 Boyd, C.E. 1968. Evaluation of some common aquatic weeds as possible feedstuffs. *Hyacinth Control Journal* 7:26-27.

- 0175 Golley, F.B. 1966. The variety of occupations in human communities compared with the variety of species in natural communities. *Bulletin of the Georgia Academy of Science* 24:27-31.
- 0176 Smith, M.H., R.W. Blessing, J.L. Carmon, and J.B. Gentry. 1969. Coat color and survival of displaced wild and laboratory reared old-field mice. *Acta Theriologica* 14:1-9.
- 0177 Brisbin, I.L., Jr. 1969. Bioenergetics of the breeding cycle of the ring dove. *Auk* 86:54-74.
- 0178 Gordon, R.W., R.J. Beyers, E.P. Odum, and R.G. Eagon. 1969. Studies of a simple laboratory microecosystem: bacterial activities in a heterotrophic succession. *Ecology* 50:86-100.
- 0179 Mason, W.H. and E.P. Odum. 1969. The effect of coprophagy on retention and bioelimination of radionuclides by detritus-feeding animals. p. 721-724. In Second National Symposium on Radioecology, edited by D.J. Nelson and F. C. Evans. ORNL CONF-670503. Ann Arbor, MI.
- 0180 Breymeyer, A. and E.P. Odum. 1969. Transfer and bioelimination of tracer ^{65}Zn during predation by spiders on labeled flies. p. 715-720. In Second National Symposium on Radioecology, edited by D.J. Nelson and F.C. Evans. ORNL CONF-670503. Ann Arbor, MI.
- 0181 Pulliam, H.R., G.W. Barrett, and E.P. Odum. 1969. Bioelimination of tracer ^{65}Zn in relation to metabolic rates in mice. p. 725-730. In Second National Symposium on Radioecology, edited by D.J. Nelson and F.C. Evans. ORNL CONF-670503. Ann Arbor, MI.
- 0182 Wiegert, R.G. and E.P. Odum. 1969. Radionuclide tracer measurement of food web diversity in nature. p. 709-710. In Second National Symposium on Radioecology, edited by D.J. Nelson and F.C. Evans. ORNL CONF-670503. Ann Arbor, MI.
- 0183 Rose, G.B., C.D. Monk, and R.G. Wiegert. 1969. Accumulation and transfer of ^{45}Ca by the biota of a tagged cornfield. p. 672-677. In Second National Symposium on Radioecology, edited by D.J. Nelson and F.C. Evans. ORNL CONF-670503. Ann Arbor, MI.
- 0184 Hess, L.W., D.B. Dunn, and G. Leddicotte. 1968. Potential activation analysis for the comparison of trace minerals in plant species. *Transactions of the Missouri Academy of Science* 2:91-99.
- 0185 Smith, M.H. and R.W. Blessing. 1969. Trap response and food availability. *Journal of Mammalogy* 50:368-369.

- 0186 Pelton, M.R. and E.E. Provost. 1969. Effects of radiation on survival of wild cotton rats (*Sigmodon hispidus*) in enclosed areas of natural habitat. p. 39-45. In Second National Symposium on Radioecology, edited by D.J. Nelson and F.C. Evans. CONF-670503. Ann Arbor, MI.
- 0187 Hayes, J.T. 1969. A microcage for radioassay of live insects with automatic counting equipment. *International Journal of Applied Radiation and Isotopes* 20:603-604.
- 0188 Boyd, C.E. 1969. The nutritive value of three species of water weeds. *Economic Botany* 23:123-127.
- 0189 Brisbin, I.L., Jr. 1969. Responses of broiler chicks to gamma-radiation exposures: changes in early growth parameters. *Radiation Research* 39:36-44.
- 0190 Boyd, C.E. 1969. Production, mineral nutrient absorption, and biochemical assimilation by *Justicia americana* and *Alternanthera philoxeroides*. *Archiv fuer Hydrobiologie* 66:139-160.
- 0191 Coleman, D.C., C.D. Monk, and J.T. Callahan. 1969. Effect of food availability on rates of loss of ⁴⁵calcium from *Hyphantria cunea* (Lepidoptera: Arctiidae). *Canadian Entomologist* 101:328-332.
- 0192 Neuhauser, H.N. and I.L. Brisbin Jr. 1969. Energy utilization in a captive silver-haired bat. *Bat Research News* 10:30-31.
- 0193 Brisbin, I.L., Jr. 1969. Bioenergetics of nightly weight loss in a captive ring dove. *Oriole* 34:17-24.
- 0194 Smith, M.H., R.M. Chew, and J.B. Gentry. 1969. New technique for baiting snap traps. *Acta Theriologica* 14:271.
- 0195 Gibbons, J.W. and D.W. Tinkle. 1969. Reproductive variation between turtle populations in a single geographic area. *Ecology* 50:340-341.
- 0196 Petrides, G.A., F.B. Golley, and I.L. Brisbin, Jr. 1968. Energy flow and secondary productivity. In A Practical Guide to the Study of the Productivity of Large Grazing Herbivores, edited by F.B. Golley and H.K. Buechner. p. 9-17. Vol. International Biological Program Handbook No. 7. Blackwell Scientific Publications Oxford.
- 0197 Williams, J.E. 1969. Photosynthesis in seven old-field plants and the contributions of each to total community biomass. *Bulletin of the Georgia Academy of Science* 27:1-12.

- 0198 Dawson, W.D., M.H. Smith, and J.L. Carmon. 1969. A third independent occurrence of the brown mutant in *Peromyscus*. *Journal of Heredity* 60:286-288.
- 0199 Clark, D.B. and J.W. Gibbons. 1969. Dietary shift in the turtle *Pseudemys scripta* (Schoepff) from youth to maturity. *Copeia* 1969:704-706.
- 0200 Gibbons, J.W. 1969. Ecology and population dynamics of the chicken turtle, *Deirochelys reticularia*. *Copeia* 1969:669-676.
- 0201 Brisbin, I.L., Jr. and C.K. Wagner. 1970. Some health problems associated with the maintenance of American kestrels (*Falco sparverius*) in captivity. *International Zoo Yearbook* 10:29-30.
- 0202 Brisbin, I.L., Jr. and N.F. Harrington. 1970. Observations of the behavior and weight changes of two captive screech owls. *Raptor Research* 3:97-102.
- 0203 Coleman, D.C. 1970. Food webs of small arthropods of a broomsedge field studied with radio-isotope-labelled fungi. p. 203-207. In Methods of Study in Soil Ecology, IBP-UNESCO. Paris, France.
- 0204 Wiegert, R.G., D.C. Coleman, and E.P. Odum. 1970. Energetics of the litter-soil subsystem. p. 93-98. In Methods of Study in Soil Ecology, IBP-UNESCO. Paris, France.
- 0205 Boyd, C.E. 1970. Losses of mineral nutrients during decomposition of *Typha latifolia*. *Archiv fuer Hydrobiologie* 66:511-517.
- 0206 Goodyear, C.P. 1970. Terrestrial and aquatic orientation in the starhead topminnow, *Fundulus notti*. *Science* 168:603-605.
- 0207 Boyd, C.E. 1970. Chemical analyses of some vascular plants. *Archiv fuer Hydrobiologie* 67:78-85.
- 0208 Hess, L.W. and D.B. Dunn. 1970. Nomenclature of the *Lupinus argenteus* and *L. caudatus* complexes. *Rhodora* 72:110-114.
- 0209 Gibbons, J.W. 1970. Terrestrial activity and the population dynamics of aquatic turtles. *The American Midland Naturalist* 83:404-414.
- 0210 Beyers, R.J. 1970. A pH-carbon dioxide method for measuring aquatic primary productivity. *Bulletin of the Georgia Academy of Science* 28:55-68.
- 0211 Fatora, J.R. and M.J. Duever. 1968. Daily and seasonal activity patterns of bobwhite quail on the AEC Savannah River Plant. p. 189-198. In 22nd Annual Conference Southeastern Association of Game and Fish Commissioners,

- 0212 Boyd, C.E. 1970. Production, mineral accumulation and pigment concentrations in *Typha latifolia* and *Scirpus americanus*. Ecology 51:285-290.
- 0213 Boyd, C.E. and L.W. Hess. 1970. Factors influencing shoot production and mineral nutrient levels in *Typha latifolia*. Ecology 51:296-300.
- 0214 Benke, A.C. 1970. A method for comparing individual growth rates of aquatic insects with special reference to the Odonata. Ecology 51:328-331.
- 0215 Wagner, C.K. 1970. Oxygen consumption, ambient temperature and excretion of phosphorus-32 in cotton rats. Ecology 51:311-317.
- 0216 Gibbons, J.W. 1970. Reproductive dynamics of a turtle (*Pseudemys scripta*) population in a reservoir receiving heated effluent from a nuclear reactor. Canadian Journal of Zoology 48:881-885.
- 0217 Brisbin, I.L., Jr. 1970. A determination of live-weight caloric conversion factors for laboratory mice. Ecology 51:541-544.
- 0218 Gibbons, J.W. 1970. Reproductive characteristics of a Florida population of musk turtles (*Sternotherus odoratus*). Herpetologica 26:268-270.
- 0219 Duever, M.J. and J.R. Fatora. 1968. Daily and seasonal activity patterns of mourning doves on the AEC Savannah River Plant. p. 181-189. In 22nd Annual Conference Southeastern Association of Game and Fish Commissioners,
- 0220 Clark, B.W. and D.C. Coleman. 1970. A comparative study of the effects of acute and chronic gamma irradiation on total soil respiration. Pedobiologia 10:199-206.
- 0221 Dayton, B.R. 1970. Slow accumulation and transfer of radiostrontium by young loblolly pines (*Pinus taeda* L.). Ecology 51:204-216.
- 0222 Altig, R. 1970. A key to the tadpoles of the continental United States and Canada. Herpetologica 26:180-207.
- 0223 Coleman, D.C. and J.T. McGinnis. 1970. Quantification of fungus-small arthropod food chains in the soil. Oikos 21:134-137.
- 0224 Wiegert, R.G. and D.C. Coleman. 1970. Ecological significance of low oxygen consumption and high fat accumulation by *Nasutitermes costalis* (Isoptera: Termitidae). BioScience 20:663-665.
- 0225 Boyd, C.E. 1970. Vascular aquatic plants for mineral nutrient removal from polluted waters. Economic Botany 24:95-103.

- 0226 Goodyear, C.P. and D.E. Ferguson. 1969. Sun-compass orientation in the mosquitofish, *Gambusia affinis*. *Animal Behavior* 17:636-640.
- 0227 Schmidt, G.D., G.W. Esch, and J.W. Gibbons. 1970. *Neoechinorhynchus chelonos*, a new species of acanthocephalan parasite of turtles. *Proceedings of the Helminthological Society of Washington* 37:172-174.
- 0228 Sealander, J.A. 1970. Short-term effects of acute sublethal gamma radiation on populations of the old-field mouse, *Peromyscus polionotus*. *Health Physics* 19:299-306.
- 0229 Boyd, C.E. and D.E. Ferguson. 1964. Spectrum of cross-resistance to insecticides in the mosquitofish, *Gambusia affinis*. *Mosquito News* 24:19-21.
- 0230 Vinson, S.B., C.E. Boyd, and D.E. Ferguson. 1963. Resistance to DDT in the mosquitofish, *Gambusia affinis*. *Science* 139:217-218.
- 0231 Boyd, C.E. and D.E. Ferguson. 1964. Susceptibility and resistance of mosquitofish to several insecticides. *Journal of Economic Entomology* 57:430-431.
- 0232 Boyd, C.E. 1964. The distribution of cricket frogs in Mississippi. *Herpetologica* 20:201-202.
- 0233 Boyd, C.E. and J.M. Lawrence. 1967. The mineral composition of several freshwater algae. p. 413-424. In 20th Annual Conference Southeastern Association of Game and Fish Commissioners.
- 0234 Boyd, C.E. and D.H. Vickers. 1963. Distribution of some Mississippi amphibians and reptiles. *Herpetologica* 19:202-205.
- 0235 Beyers, R.J. 1962. Relationship between temperature and the metabolism of experimental ecosystems. *Science* 136:980-982.
- 0236 Verduin, J., R.J. Beyers, and H.T. Odum. 1960. Differential titration with strong acid or bases vs. CO₂ water for productivity studies. *Limnology and Oceanography* 5:228-230.
- 0237 Beyers, R.J. and H.T. Odum. 1959. The use of carbon dioxide to construct pH curves for the measurement of productivity. *Limnology and Oceanography* 4:499-502.
- 0238 Delco, E.A., Jr. and R.J. Beyers. 1963. Reduced metabolic rates in males of two cyprinid fishes. *Copeia* 1963:176-178.

- 0239 Boyd, C.E. 1970. Boron accumulation by native algae. *The American Midland Naturalist* 84:565-567.
- 0240 Boyd, C.E. 1970. Influence of organic matter on some characteristics of aquatic soils. *Hydrobiologia* 36:17-21.
- 0241 Boyd, C.E., S.B. Vinson, and D.E. Ferguson. 1963. Possible DDT resistance in two species of frogs. *Copeia* 1963:426-429.
- 0242 Shanholtzer, G.F., W.J. Kuenzel, and J.J. Mahoney. 1970. Twenty-one years of the McKinney's Pond rookery. *Oriole* 35:23-28.
- 0243 Boyd, C.E. and R.D. Blackburn. 1970. Seasonal changes in the proximate composition of some common aquatic weeds. *Hyacinth Control Journal* 8:42-44.
- 0244 Bennett, D.H., J.W. Gibbons, and J.C. Franson. 1970. Terrestrial activity in aquatic turtles. *Ecology* 51:738-740.
- 0245 Gibbons, J.W. and G.W. Esch. 1970. Some intestinal parasites of the loggerhead musk turtle (*Sternotherus m. minor*). *Journal of Herpetology* 4:79-80.
- 0246 Kangas, M.J. and D.C. Coleman. 1970. Comparison of five techniques for the estimation of numbers and activity of bacteria in soil. *Bulletin of the Georgia Academy of Science* 28:143-148.
- 0247 Boyd, C.E. 1970. Amino acid, protein, and caloric content of vascular aquatic macrophytes. *Ecology* 51:902-906.
- 0248 Coleman, D.C. 1971. Numbers and biomass of soil nematodes of two South Carolina old fields. *The American Midland Naturalist* 85:262-265.
- 0249 Boyd, C.E. 1970. Nutrient content of offal and small fish from some freshwater fish cultures. *Transactions of the American Fisheries Society* 99:809-811.
- 0250 Coleman, D.C. 1970. Nematodes in the litter and soil of El Verde rain forest. In A Tropical Rain Forest: A Study of Irradiation and Ecology at El Verde, Puerto Rico, edited by H.T. Odum. p. E103-E104. Vol. TID-24270. Atomic Energy Commission.
- 0251 Cumming, F.P. and R.J. Beyers. 1970. Appendix B: Further laboratory studies of forest-floor microcosms. In A Tropical Rain Forest: A Study of Irradiation and Ecology at El Verde, Puerto Rico, edited by H.T. Odum. p. I54-I56. Vol. TID-24270. Atomic Energy Commission.
- 0252 Brisbin, I.L., Jr. 1970. Developer--spare that tree! *Industrial Development* Sept-Oct:10-12.

- 0253 Odum, H.T., W.L. Siler, R.J. Beyers, and N. E. Armstrong. 1963. Experiments with engineering of marine ecosystems. Publications of the Institute of Marine Science University of Texas 9:373-403.
- 0254 Odum, H.T., R.J. Beyers, and N.E. Armstrong. 1963. Consequences of small storage capacity in nannoplankton pertinent to measurement of primary production in tropical waters. Journal of Marine Research 21:191-198.
- 0255 Beyers, R.J. 1963. The metabolism of twelve aquatic laboratory microecosystems. Ecological Monographs 33:281-306.
- 0256 Beyers, R.J. 1963. A characteristic diurnal metabolic pattern in balanced microcosms. Publications of the Institute of Marine Science University of Texas 9:19-27.
- 0257 Beyers, R.J. 1963. Balanced aquatic microcosms-their implications for space travel. American Biology Teacher 25:422-429.
- 0258 Boyd, C.E. 1968. Some aspects of aquatic plant ecology. p. 114-129. In Reservoir Fishery Resources Symposium, Athens, GA.
- 0259 Odum, H.T., R.P. Cuzon du Rest, R.J. Beyers, and C. Allbaugh. 1963. Diurnal metabolism, total phosphorus, Ohle anomaly, and zooplankton diversity of abnormal marine ecosystems of Texas. Publications of the Institute of Marine Science University of Texas 9:404-153.
- 0260 Selander, R.K., M.H. Smith, S.Y. Yang, W.E. Johnson, and J.B. Gentry. 1971. IV. Biochemical polymorphism and systematics in the genus *Peromyscus*. I. Variation in the old-field mouse (*Peromyscus polionotus*). Studies in Genetics 6:49-90.
- 0261 McCormick, J.F. 1967. Effects of ionizing radiation on a pine forest. p. 78-87. In Second National Symposium on Radioecology, edited by D.J. Nelson and F.C. Evans. ORNL CONF-67-0503. Oak Ridge National Laboratories. University of Michigan, Ann Arbor, MI.
- 0262 Farrell, M.P. 1971. Effect of temperature and photoperiod acclimations on the water economy of *Hyla crucifer*. Herpetologica 27:41-48.
- 0263 Gibbons, J.W. 1970. Sex ratios in turtles. Researches on Population Ecology 12:252-254.
- 0264 Polisini, J.M., C.E. Boyd, and B. Didgeon. 1970. Nutrient limiting factors in an oligotrophic South Carolina pond. Oikos 21:344-347.

- 0265 Smith, M.H., J.B. Gentry, and F.B. Golley. 1969. A preliminary report on the examination of small mammal census methods. In Energy Flow Through Small Mammal Populations. Proceedings of IBP Meeting on Secondary Productivity in Small Mammal Populations, edited by K. Petrusewicz and L. Ryszkowski. p. 25-29. Oxford, England.
- 0266 Gentry, J.B., M.H. Smith, and R.J. Beyers. 1971. Use of radioactively tagged bait to study movement patterns in small mammal populations. *Annales Zoologici Fennici* 8:17-21.
- 0267 Brisbin, I.L., Jr. and M.G. Thomas. 1971. Responses of commercial broiler chicks to acute gamma radiation stress in the range of 900-1600 R. *Poultry Science* 50:
- 0268 Smith, M.H. 1971. Food as a limiting factor in the population ecology of *Peromyscus polionotus* (Wagner). *Annales Zoologici Fennici* 8:109-112.
- 0269 Boyd, C.E. 1971. The dynamics of dry matter and chemical substances in a *Juncas effusus* population. *The American Midland Naturalist* 86:28-45.
- 0270 Dapson, R.W. 1971. Quantitative comparison of populations with different age structures. *Annales Zoologici Fennici* 8:75-79.
- 0271 Boyd, C.E. 1971. Further studies on productivity, nutrient and pigment relationships in *Typha latifolia* populations. *Bulletin of the Torrey Botanical Club* 98:144-150.
- 0272 Goodyear, C.P. and R. Altig. 1971. Orientation of bullfrogs, (*Rana catesbeiana*) during metamorphosis. *Copeia* 1971:362-364.
- 0273 Boyd, C.E. and D.H. Vickers. 1971. Relationships between production, nutrient accumulation, and chlorophyll synthesis in an *Eleocharis quadrangulata* population. *Canadian Journal of Zoology* 49:883-888.
- 0274 Beyers, R.J. and M.H. Smith. 1971. A colorimetric method for determining oxygen concentration in terrestrial situations. *Ecology* 52:374-375.
- 0275 French, N.R., C.D. Jorgensen, M.H. Smith, and B.G. Maza. 1971. Comparison of some IBP population estimates methods for small mammals. Special Report, Office of the Chairman, USNC/IBP.
- 0276 Boyd, C.E. and C.P. Goodyear. 1971. The protein content of some common reptiles and amphibians. *Herpetologica* 27:317-320.
- 0277 Boyd, C.E. and D.H. Vickers. 1971. Variation in the elemental content of *Eichhornia crassipes*. *Hydrobiologia* 38:409-414.

- 0278 Boyd, C.E. and C.P. Goodyear. 1971. Nutritive quality of food in ecological systems. *Archiv fuer Hydrobiologie* 69:256-270.
- 0279 Goodyear, C.P. 1971. Y-axis orientation of the oak toad, *Bufo quercicus*. *Herpetologica* 27:320-323.
- 0280 Boyd, C.E. and C.P. Goodyear. 1971. Somatic and gametic dry matter and protein in gravid females of several amphibian species. *Comparative Biochemistry and Physiology* 40A:771-775.
- 0281 Beyers, R.J., M.H. Smith, J.B. Gentry, and L.L. Ramsey. 1971. Standing crops of elements and atomic ratios in a small mammal community. *Acta Theriologica* 16:203-211.
- 0282 Kaufman, D.W., G.C. Smith, R.M. Jones, J.B. Gentry, and M.H. Smith. 1971. Use of assessment lines to estimate density of small mammals. *Acta Theriologica* 16:127-147.
- 0283 Smith, M.H., R. Blessing, J.G. Chelton, J.B. Gentry, F.B. Golley, and J.T. McGinnis. 1971. Determining density for small mammal populations using a grid and assessment lines. *Acta Theriologica* 16:105-125.
- 0284 Faust, B.F., M.H. Smith, and W.B. Wray. 1971. Distances moved by small mammals as an apparent function of grid size. *Acta Theriologica* 11:161-177.
- 0285 Smith, G.C., D.W. Kaufman, R.M. Jones, J.B. Gentry, and M.H. Smith. 1971. The relative effectiveness of two types of snap traps. *Acta Theriologica* 16:284-288.
- 0286 Gentry, J.B., F.B. Golley, and M.H. Smith. 1971. Yearly fluctuations in small mammal populations in a Southeastern United States hardwood forest. *Acta Theriologica* 16:179-190.
- 0287 Gentry, J.B., M.H. Smith, and J.G. Chelton. 1971. An evaluation of the octagon census method for estimating small mammal populations. *Acta Theriologica* 16:149-159.
- 0288 Ramsey, P.R. and L.A. Briese. 1971. Effects of immigrants on the spatial structure of a small mammal community. *Acta Theriologica* 16:191-202.
- 0289 Nelson, D.J. and F.C. Evans. 1971. Proceedings of the second annual symposium on radioecology. *Journal of Mammalogy* 52:861.
- 0290 Gentry, J.B. and K.L. Stiriz. 1972. The role of the Florida harvester ant, *Pogonomyrmex badius*, in old field mineral nutrient relationships. *Environmental Entomology* 1:39-41.

- 0291 Monk, C.D. 1971. Leaf decomposition and loss of ⁴⁵Ca from deciduous and evergreen trees. *The American Midland Naturalist* 86:379-384.
- 0292 Gibbons, J.W., J.T. Hook, and D.L. Forney. 1972. Winter responses of largemouth bass to heated effluent from a nuclear reactor. *Progressive Fish Culturist* 34:88-90.
- 0293 Bennett, D.H. 1972. Length-weight relationships and condition factors of fishes from a South Carolina reservoir receiving thermal effluent. *Progressive Fish Culturist* 34:85-87.
- 0294 Bennett, D.H. 1971. Preliminary examination of body temperatures of largemouth bass (*Micropterus salmoides*) from an artificially heated reservoir. *Archiv fuer Hydrobiologie* 68:376-381.
- 0295 Dapson, R.W. 1972. Age structure of six populations of old-field mice, *Peromyscus polionotus*. *Researches on Population Ecology* 13:161-169.
- 0296 Otero, J.G. and R.W. Dapson. 1972. Procedures in the biochemical estimation of age of vertebrates. *Researches on Population Ecology* 13:152-160.
- 0297 Dapson, R.W. and J.M. Irland. 1972. An accurate method of determining age in small mammals. *Journal of Mammalogy* 53:100-106.
- 0298 Avise, J.C. and R.K. Selander. 1972. Evolutionary genetics of cave-dwelling fishes of the genus *Astyanax*. *Evolution* 26:1-19.
- 0299 Brisbin, I.L., Jr. 1972. Changes in composition and caloric density of whole body homogenates of broilers exposed to acute gamma radiation stress. *Poultry Science* 51:915-920.
- 0300 Wiegert, R.G. 1972. Population dynamics of cotton rats (*Sigmodon hispidus*) and meadow voles (*Microtus pennsylvanicus*) in field enclosures in South Carolina. *Bulletin of the Georgia Academy of Science* 30:103-110.
- 0301 Cale, W.G., Jr. and J.W. Gibbons. 1972. Relationships between body size, size of the fat bodies, and total lipid content in the canebrake rattlesnake (*Crotalus horridus*) and the black racer (*Coluber constrictor*). *Herpetologica* 28:51-53.
- 0302 Brisbin, I.L., Jr. 1972. Seasonal variations in the live weights and major body components of captive box turtles. *Herpetologica* 28:70-75.
- 0303 Kaufman, G.A. and R.J. Beyers. 1972. Relationships of weight, length and body composition in the Medaka, *Oryzias latipes*. *The American Midland Naturalist* 88:239-245.

- 0304 Boyd, C.E. and W.W. Walley. 1972. Studies of the biogeochemistry of boron. I. Concentrations in surface waters, rainfall and aquatic plants. *The American Midland Naturalist* 88:1-14.
- 0305 Gibbons, J.W. 1972. Reproduction, growth and sexual dimorphism in the canebrake rattlesnake (*Crotalus horridus atricaudatus*). *Copeia* 1972:222-226.
- 0306 Goodyear, C.P. 1972. A simple technique for detecting effects of toxicants or other stresses on a predator-prey interaction. *Transactions of the American Fisheries Society* 101:367-370.
- 0307 Polisini, J.M. and C.E. Boyd. 1972. Relationships between cell-wall fractions, nitrogen, and standing crop in aquatic macrophytes. *Ecology* 53:484-488.
- 0308 Blackwell, T.L. and P.R. Ramsey. 1972. Exploratory activity and lack of genotypic correlates in *Peromyscus polionotus*. *Journal of Mammalogy* 53:401-403.
- 0309 Johnson, W.E., R.K. Selander, M.H. Smith, and Y.J. Kim. 1972. XIV. Biochemical genetics of sibling species of the cotton rat (*Sigmodon*). *Studies in Genetics* 7:297-305.
- 0310 Ferens, M.C. and R.J. Beyers. 1972. Studies of a simple laboratory microecosystem: effects of stress. *Ecology* 53:709-713.
- 0311 Crapo, N.L. and D.C. Coleman. 1972. Root distribution and respiration in a Carolina old field. *Oikos* 23:137-139.
- 0312 Goodyear, C.P. and C.E. Boyd. 1972. Elemental composition of largemouth bass (*Micropterus salmoides*). *Transactions of the American Fisheries Society* 101:545-547.
- 0313 Boyd, C.E. and W.W. Walley. 1972. Production and chemical composition of *Saururus cernuus* L. at sites of different fertility. *Ecology* 53:927-932.
- 0314 Goodyear, C.P., C.E. Boyd, and R.J. Beyers. 1972. Relationships between primary productivity and mosquitofish (*Gambusia affinis*) production in large microcosms. *Limnology and Oceanography* 17:445-450.
- 0315 Smith, G.C. and D. Watson. 1972. Selection patterns of corn snakes, *Elaphe guttata*, of different phenotypes of the house mouse, *Mus musculus*. *Copeia* 1972:529-532.
- 0316 Nelson, D.H. and J.W. Gibbons. 1972. Ecology, abundance and seasonal activity of the scarlet snake, *Cemophora coccinea*. *Copeia* 1972:582-584.

- 0317 Lollar, A.Q., D.C. Coleman, and C.E. Boyd. 1971. Carnivorous pathway of phosphorus uptake by *Utricularia inflata*. *Archiv fuer Hydrobiologie* 69:400-404.
- 0318 Bennett, D.H. 1972. Notes on the terrestrial wintering of mud turtles (*Kinosternon subrubrum*). *Herpetologica* 28:245-247.
- 0319 Boyd, C.E. 1971. The limnological role of aquatic macrophytes and their relationship to reservoir management. Special Publication No. 8 of the American Fisheries Society 153-166.
- 0320 Bennett, D.H. and J.W. Gibbons. 1972. Food of largemouth bass (*Micropterus salmoides*) from a South Carolina reservoir receiving heated effluent. *Transactions of the American Fisheries Society* 101:650-654.
- 0321 Smith, M.H., J.L. Carmon, and J.B. Gentry. 1972. Pelage color polymorphism in *Peromyscus polionotus*. *Journal of Mammalogy* 53:824-833.
- 0322 Wiener, J.G. and M.H. Smith. 1972. Relative efficiencies of four small mammal traps. *Journal of Mammalogy* 53:868-873.
- 0323 Kaufman, D.W. 1973. Shrike prey selection: Color or conspicuousness? *Auk* 90:204-206.
- 0324 Patton, J.L., R.K. Selander, and M.H. Smith. 1972. Genic variation in hybridizing populations of gophers (genus *Thomomys*). *Systematic Zoology* 21:263-270.
- 0325 Boyd, C.E. 1972. A bibliography of interest in the utilization of vascular aquatic plants. *Economic Botany* 26:74-84.
- 0326 Parker, E.D., M.F. Hirshfield, and J.W. Gibbons. 1973. Ecological comparisons of thermally affected aquatic environments. *Journal Water Pollution Control Federation* 45:726-733.
- 0327 Carlson, D.M. and J.B. Gentry. 1973. Effects of shading on the migratory behavior of the Florida harvester ant, *Pogonomyrmex badius*. *Ecology* 54:452-453.
- 0328 Avise, J.C. and G.B. Kitto. 1973. Phosphoglucose isomerase gene duplication in the bony fishes: an evolutionary history. *Biochemical Genetics* 8:113-132.
- 0329 Ryszkowski, L., J.B. Gentry, and M.H. Smith. 1971. Proposals to test the density estimation techniques for small mammals living in temperate forest. *Small Mammal Newsletters* 5:40-53.
- 0330 Smith, M.H., R.K. Selander, and W.E. Johnson. 1973. Biochemical polymorphism and systematics in the genus *Peromyscus*. III. Variation in the

- Florida deer mouse (*Peromyscus floridanus*), a pleistocene relict. *Journal of Mammalogy* 54:1-13.
- 0331 Kaufman, D.W. and C.K. Wagner. 1973. Differential survival of white and agouti *Mus musculus* under natural conditions. *Journal of Mammalogy* 54:281-283.
- 0332 Jenkins, J.H. and T.T. Fendley. 1971. Radionuclide biomagnification in coastal-plain deer. p. 116-122. In Third National Symposium on Radioecology, edited by D.J. Nelson. ORNL CONF-710501-P1. Oak Ridge, TN.
- 0333 Gentry, J.B., M.H. Smith, and R.J. Beyers. 1971. Radioactive isotopes in studies of population dynamics of small mammals. p. 253-259. In Third National Symposium on Radioecology, edited by D.J. Nelson. ORNL CONF-710501-P1. Oak Ridge, TN.
- 0334 Vickers, D.H. and C.E. Boyd. 1971. Effects of organic insecticides upon carbon-14 uptake by freshwater phytoplankton. p. 492-496. In Third National Symposium on Radioecology, edited by D.J. Nelson. ORNL CONF-710501-P1. Oak Ridge, TN.
- 0335 Gibbons, J.W. and D.H. Bennett. 1971. Abundance and local movement of largemouth bass (*Micropterus salmoides*) in a reservoir receiving heated effluent from a reactor. p. 524-527. In Third National Symposium on Radioecology, edited by D.J. Nelson. ORNL CONF-710501-P1. Oak Ridge, TN.
- 0336 Pelton, M.R. and E.E. Provost. 1971. Effects of radiation on reproduction of irradiated cotton rats (*Sigmodon hispidus*) trapped from enclosed areas of natural habitat. p. 1048-1054. In Third National Symposium on Radioecology, edited by D.J. Nelson. ORNL CONF-710501-P2. Oak Ridge, TN.
- 0337 Kaufman, G.A. and R.J. Beyers. 1971. Effects of chronic gamma irradiation on the fish, *Oryzias latipes*. p. 1119-1124. In Third National Symposium on Radioecology, edited by D.J. Nelson. ORNL CONF-710501-P2. Oak Ridge, TN.
- 0338 Coleman, D.C. and G.T. Cowley. 1971. Structure and function of hardwood litter and soil subsystems after chronic gamma irradiation. I. Mesofauna, nitrogen, and total soil respiration. p. 1222-1228. In Third National Symposium on Radioecology, edited by D.J. Nelson. ORNL CONF-710501-P2. Oak Ridge, TN.
- 0339 Cowley, G.T., J.W. Martin, and D.C. Coleman. 1971. Structure and function of hardwood litter and soil subsystems after chronic gamma irradiation. II. Microfungi. p. 1229-1236. In Third National Symposium on Radioecology, edited by D.J. Nelson. ORNL CONF-710501-P2. Oak Ridge, TN.
- 0340 Caldwell, L.D. and C.E. Connell. 1968. A precis on energetics of the old-field mouse. *Ecology* 49:542-548.

- 0341 Brisbin, I.L., Jr. and L.J. Talley. 1973. Age-specific changes in the major body components and caloric value of growing Japanese quail. *Auk* 90:624-635.
- 0342 Kaufman, D.W. 1973. Captive barn owls stockpile prey. *Bird-Banding* 44:225.
- 0343 Lewis, W.M., Jr. 1973. The thermal regime of Lake Lanao (Philippines) and its theoretical implications for tropical lakes. *Limnology and Oceanography* 18:200-217.
- 0344 Kaufman, D.W., R.K. Selander, and M.H. Smith. 1973. Genic heterozygosity in a population of *Eutamias panamintinus*. *Journal of Mammalogy* 54:776-778.
- 0345 Smith, M.H., B.J. Boize, and J.B. Gentry. 1973. Validity of the center of activity concept. *Journal of Mammalogy* 54:747-749.
- 0346 Anderson, G.E., J.B. Gentry, and M.H. Smith. 1973. Relationships between levels of radiocesium in dominant plants and arthropods in a contaminated streambed community. *Oikos* 24:165-170.
- 0347 Kaufman, D.W. 1973. Use of marked prey to study raptor predation. *The Wilson Bulletin* 85:335-336.
- 0348 Scarth, R.D., C.O. Leverett, L.L. Scarth, M.H. Smith, and J.L. Carmon. 1973. Effects of temperature, radiation and sex on body composition in *Peromyscus polionotus*. *Growth* 37:311-321.
- 0349 Coleman, D.C. 1973. Soil carbon balance in a successional grassland. *Oikos* 24:195-199.
- 0350 Howell, F.G. and J.E. George. 1973. Some effects of humidity on the behavior and water balance of *Argas cooleyi* (Acarina: Argasidae). *Journal of Medical Entomology* 10:459-469.
- 0351 Bowers, J.H., R.J. Baker, and M.H. Smith. 1973. Chromosomal, electrophoretic, and breeding studies of selected populations of deer mice (*Peromyscus maniculatus*) and black-eared mice (*P. melanotis*). *Evolution* 27:378-386.
- 0352 Sharitz, R.R. and J.F. McCormick. 1973. Population dynamics of two competing annual plant species. *Ecology* 54:723-740.
- 0353 Brisbin, I.L., Jr. 1974. The ecology of animal domestication: its relevance to man's environmental crises - past, present and future. *Association of Southeastern Biologists Bulletin* 21:3-8.

- 0354 Brisbin, I.L., Jr., R.A. Geiger, and M.H. Smith. 1973. Accumulation and redistribution of radiocaesium by migratory waterfowl inhabiting a reactor cooling reservoir. In Environmental Behaviour of Radionuclides Released in the Nuclear Industry, p. 373-384. Vol. SM-172/72. International Atomic Energy Agency. Vienna.
- 0355 Kaufman, D.W. and G.A. Kaufman. 1973. Body temperature of the old-field mouse (*Peromyscus polionotus*) in and below the thermoneutral zone. *Journal of Mammalogy* 54:996-997.
- 0356 Briese, L.A. and M.H. Smith. 1973. Competition between *Mus musculus* and *Peromyscus polionotus*. *Journal of Mammalogy* 54:968-969.
- 0357 Kaufman, D.W. 1974. Differential owl predation on white and agouti *Mus musculus*. *Auk* 91:145-150.
- 0358 Kaufman, D.W. 1974. Differential predation on active and inactive prey by owls. *Auk* 91:172-173.
- 0359 Wiegert, R.G. and C.D. Monk. 1972. Litter production and energy accumulation in three plantations of longleaf pine (*Pinus palustris* Mill). *Ecology* 53:949-953.
- 0360 Wiegert, R.G. 1974. Litterbag studies of microarthropod populations in three South Carolina old fields. *Ecology* 55:94-102.
- 0361 Wiegert, R.G. 1972. Avian versus mammalian predation on a population of cotton rats. *Journal of Wildlife Management* 36:1322-1327.
- 0362 Gibbons, J.W. and D.H. Bennett. 1974. Determination of anuran terrestrial activity patterns by a drift fence method. *Copeia* 1974:236-243.
- 0363 Coleman, D.C. 1973. Compartmental analysis of "total soil respiration": an exploratory study. *Oikos* 24:361-366.
- 0364 Smith, M.H., J.B. Gentry, and J.E. Pinder. 1974. Annual fluctuations in small mammal populations in an eastern hardwood forest. *Journal of Mammalogy* 55:231-234.
- 0365 Angerman, J., R.W. Dapson, and M.H. Smith. 1974. Effect of age on the indigestible component of a mouse. *Journal of Mammalogy* 55:210.
- 0366 Beyers, R.J. 1974. Ecological impacts of energy production on rivers and lakes. In Energy, the Environment, and Human Health, edited by A.J. Finkel. p. 87-117. Publishing Sciences Group, Inc. Acton, MA.

- 0367 Wiener, J.G. 1974. Unbalanced sex ratios in populations of *Chauliognathus pennsylvanicus*. *Environmental Entomology* 3:572-573.
- 0368 Avise, J.C. and M.H. Smith. 1974. Biochemical genetics of sunfish. I. Geographic variation and subspecific intergradation in the bluegill, *Lepomis macrochirus*. *Evolution* 28:42-56.
- 0369 Kania, H.J. and R.J. Beyers. 1974. NTA and mercury in artificial stream systems. U.S. Environmental Protection Agency. EPA-660/3-73-025.
- 0370 Beyers, R.J. 1974. Ecological studies in a cooling reservoir in the southeastern United States. In Energy Production and Thermal Effects, edited by B.J. Gallagher. p. 39-49. Limnetics, Inc. Milwaukee, WI.
- 0371 O'Farrell, M.J. and A.R. Blaustein. 1974. *Microdipodops megacephalus*. *Mammalian Species* 46:1-3.
- 0372 O'Farrell, M.J. and A.R. Blaustein. 1974. *Microdipodops pallidus*. *Mammalian Species* 47:1-2.
- 0373 Holland, W.E., M.H. Smith, J.W. Gibbons, and D.H. Brown. 1974. Thermal tolerances of fish from a reservoir receiving heated effluent from a nuclear reactor. *Physiological Zoology* 47:110-118.
- 0374 Murphy, P.G. and R.R. Sharitz. 1974. Properties of the tree flora in the forest transition from aspen to maple-birch type. In The Enterprise, Wisconsin, Radiation Forest, Vol. 1. Pre-irradiation Ecological Studies, edited by T. Rudolph. p. 97-104. Vol. TID-26113. U.S. Atomic Energy Commission.
- 0375 Murphy, P.G., R.R. Sharitz, and A.J. Murphy. 1974. Leaf-litter production in the aspen and maple-birch forest types and the contribution by individual tree species. In The Enterprise, Wisconsin, Radiation Forest, Vol. 1. Pre-irradiation Ecological Studies, edited by T. Rudolph. p. 115-118. Vol. TID-26113. U.S. Atomic Energy Commission.
- 0376 Lewis, W.M., Jr. 1973. A limnological survey of Lake Mainit, Philippines. *Internationale Revue der Gesamten Hydrobiologie* 58:801-818.
- 0377 Brisbin, I.L., Jr., R.J. Beyers, R.W. Dapson, R.A. Geiger, J.B. Gentry, J.W. Gibbons, M.H. Smith, and S.K. Woods. 1974. Patterns of radiocesium in the sediments of a stream channel contaminated by production reactor effluents. *Health Physics* 27:19-27.
- 0378 Kaufman, D.W. 1974. Adaptive coloration in *Peromyscus polionotus*: experimental selection by owls. *Journal of Mammalogy* 55:271-283.

- 0379 Sharitz, R.R., J.E. Irwin, and E.J. Christy. 1974. Vegetation of swamps receiving reactor effluents. *Oikos* 25:7-13.
- 0380 Bennett, D.H. and J.W. Gibbons. 1974. Growth and condition of juvenile largemouth bass from a reservoir receiving thermal effluent. p. 246-254. In Thermal Ecology, edited by J.W. Gibbons and R.R. Sharitz. CONF-730505. Atomic Energy Commission.
- 0381 Bourque, J.E. and G.W. Esch. 1974. Population ecology of parasites in turtles from thermally altered and natural aquatic communities. p. 551-561. In Thermal Ecology, edited by J.W. Gibbons and R.R. Sharitz. CONF-730505. Atomic Energy Commission.
- 0382 Brisbin, I.L., Jr. 1974. Abundance and diversity of waterfowl inhabiting heated and unheated portions of a reactor cooling reservoir. p. 579-593. In Thermal Ecology, edited by J.W. Gibbons and R.R. Sharitz. CONF-730505. Atomic Energy Commission.
- 0383 Carlson, D.M. 1974. Responses of planktonic cladocerans to heated waters. p. 186-206. In Thermal Ecology, edited by J.W. Gibbons and R.R. Sharitz. CONF-730505. Atomic Energy Commission.
- 0384 Christy, E.J., J.O. Farlow, J.E. Bourque, and J.W. Gibbons. 1974. Enhanced growth and increased body size of turtles living in thermal and post-thermal aquatic systems. p. 277-284. In Thermal Ecology, edited by J.W. Gibbons and R.R. Sharitz. CONF-730505. Atomic Energy Commission.
- 0385 Eure, H.E. and G.W. Esch. 1974. Effects of thermal effluent on the population dynamics of helminth parasites in largemouth bass. p. 207-215. In Thermal Ecology, edited by J.W. Gibbons and R.R. Sharitz. CONF-730505. Atomic Energy Commission.
- 0386 Falke, J.D. and M.H. Smith. 1974. Effects of thermal effluent on the fat content of the mosquito fish. p. 100-108. In Thermal Ecology, edited by J.W. Gibbons and R.R. Sharitz. CONF-730505. Atomic Energy Commission.
- 0387 Ferens, M.C. and T.M. Murphy Jr. 1974. Effects of thermal effluents on populations of mosquito fish. p. 237-245. In Thermal Ecology, edited by J.W. Gibbons and R.R. Sharitz. CONF-730505. Atomic Energy Commission.
- 0388 Howell, F.G. and J.B. Gentry. 1974. Effect of thermal effluents from nuclear reactors on species diversity of aquatic insects. p. 562-571. In Thermal Ecology, edited by J.W. Gibbons and R.R. Sharitz. CONF-730505. Atomic Energy Commission.

- 0389 Lewis, W.M., Jr. 1974. Evaluation of heat distribution in a South Carolina reservoir receiving heated water. p. 1-27. In Thermal Ecology, edited by J.W. Gibbons and R.R. Sharitz. CONF-730505. Atomic Energy Commission.
- 0390 Martin, W.J. and J.B. Gentry. 1974. Effect of thermal stress on dragonfly nymphs. p. 133-145. In Thermal Ecology, edited by J.W. Gibbons and R.R. Sharitz. CONF-730505. Atomic Energy Commission.
- 0391 Murphy, T.M, Jr. and I.L. Brisbin Jr. 1974. Distribution of alligators in response to thermal gradients in a reactor cooling reservoir. p. 313-321. In Thermal Ecology, edited by J.W. Gibbons and R.R. Sharitz. CONF-730505. Atomic Energy Commission.
- 0392 Nelson, D.H. 1974. Growth and developmental responses of larval toad populations to heated effluent in a South Carolina reservoir. p. 264-276. In Thermal Ecology, edited by J.W. Gibbons and R.R. Sharitz. CONF-730505. Atomic Energy Commission.
- 0393 Sharitz, R.R., J.W. Gibbons, and S.C. Gause. 1974. Impact of production-reactor effluents on vegetation in a southeastern swamp forest. p. 356-362. In Thermal Ecology, edited by J.W. Gibbons and R.R. Sharitz. Atomic Energy Commission. CONF-730505.
- 0394 Straney, D.O., L.A. Briese, and M.H. Smith. 1974. Bird diversity and thermal stress in a cypress swamp. p. 572-578. In Thermal Ecology, edited by J.W. Gibbons and R.R. Sharitz. CONF-730505. Atomic Energy Commission.
- 0395 Yardley, D., J.C. Avise, J.W. Gibbons, and M.H. Smith. 1974. Biochemical genetics of sunfish. III. Genetic subdivision of fish populations inhabiting heated waters. p. 255-263. In Thermal Ecology, edited by J.W. Gibbons and R.R. Sharitz. CONF-730505. Atomic Energy Commission.
- 0396 Brisbin, I.L., Jr., M.A. Staton, J.E. Pinder III, and R.A. Geiger. 1974. Radiocesium concentrations of snakes from contaminated and non-contaminated habitats of the AEC Savannah River Plant. *Copeia* 1974:501-506.
- 0397 Staton, M.A., I.L. Brisbin Jr., and R.A. Geiger. 1974. Some aspects of radiocesium retention in naturally contaminated captive snakes. *Herpetologica* 30:204-211.
- 0398 Lewis, W.M., Jr. and J.A. Tyburczy. 1974. Amounts and spectral properties of dissolved organic compounds from some freshwaters of the southeastern U.S. *Archiv fuer Hydrobiologie* 74:8-17.
- 0399 Avise, J.C. and M.H. Smith. 1974. Biochemical genetics of sunfish. II. Genic similarity between hybridizing species. *The American Naturalist* 108:458-472.

- 0400 Kania, H.J. and J. O'Hara. 1974. Behavioral alterations in a simple predator-prey system due to sublethal exposure to mercury. *Transactions of the American Fisheries Society* 103:134-136.
- 0401 Briese, L.A. and M.H. Smith. 1974. Seasonal abundance and movement of nine species of small mammals. *Journal of Mammalogy* 55:615-629.
- 0402 Spring, P.E., M.L. Brewer, J.R. Brown, and M.E. Fanning. 1974. Population ecology of loblolly pine, *Pinus taeda* in an old-field community. *Oikos* 25:1-6.
- 0403 Smith, M.H. 1974. 3.5 Seasonality in mammals. In Phenology and Seasonality Modeling, edited by H. Lieth. p. 149-162. Springer-Verlag. New York.
- 0404 Krepp, S.R. and M.H. Smith. 1974. Genic heterozygosity in the 13-year cicada, *Magicicada*. *Evolution* 28:396-401.
- 0405 Gibbons, J.W. and R.R. Sharitz. 1974. Thermal alteration of aquatic ecosystems. *American Scientist* 62:660-670.
- 0406 Avise, J.C., M.H. Smith, and R.K. Selander. 1974. Biochemical polymorphism and systematics in the genus *Peromyscus*. VI. The *boylii* species group. *Journal of Mammalogy* 55:751-763.
- 0407 O'Farrell, M.J. 1974. Seasonal activity patterns of rodents in a sagebrush community. *Journal of Mammalogy* 55:809-823.
- 0408 Kaufman, D.W., S.E. Fuller, M.J. O'Farrell, and M.H. Smith. 1974. Trap response in *Peromyscus polionotus*. *Acta Theriologica* 19:376-378.
- 0409 Lewis, W.M., Jr. 1974. An analysis of surface slicks in a reservoir receiving heated effluent. *Archiv fuer Hydrobiologie* 74:304-315.
- 0410 Sharitz, R.R., S.L. Scott, J.E. Pinder III, and S.K. Woods. 1975. Uptake of radiocesium from contaminated floodplain sediments by herbaceous plants. *Health Physics* 28:23-28.
- 0411 Kaufman, D.W. 1975. Concealing coloration: how is effectiveness of selection related to conspicuousness? *The American Midland Naturalist* 93:245-247.
- 0412 Garten, C.T. and M.H. Smith. 1974. Movement by old field mice and population regulation. *Acta Theriologica* 19:513-514.
- 0413 Lewis, W.M., Jr. 1974. Effects of fire on nutrient movement in a South Carolina pine forest. *Ecology* 55:1120-1127.

- 0414 Avise, J.C., M.H. Smith, R.K. Selander, T.E. Lawlor, and P.R. Ramsey. 1974. Biochemical polymorphism and systematics in the genus *Peromyscus*. V. Insular and mainland species of the subgenus *Haplomylomys*. *Systematic Zoology* 23:226-238.
- 0415 Wiegert, R.G. 1972. Population dynamics of cotton rats (*Sigmodon hispidus*) and meadow voles (*Microtus pennsylvanicus*) in field enclosures in South Carolina. *Bulletin of the Georgia Academy of Science* 30:103-110.
- 0416 Gentry, J.B. 1974. Response to predation by colonies of the Florida harvester ant, *Pogonomyrmex badius*. *Ecology* 55:1328-1338.
- 0417 Lewis, W.M., Jr. 1974. Primary production in the plankton community of a tropical lake. *Ecological Monographs* 44:377-409.
- 0418 Gentry, J.B., C.T. Garten Jr., F.G. Howell, and M.H. Smith. 1975. Thermal ecology of dragonflies in habitats receiving reactor effluent. In Environmental Effects of Cooling Systems at Nuclear Power Plants, p. 563-574. Vol. SM-187/12. International Atomic Energy Agency. Vienna, Austria.
- 0419 Gibbons, J.W., R.R. Sharitz, F.G. Howell, and M.H. Smith. 1975. Ecology of artificially heated streams, swamps and reservoirs on the Savannah River Plant. In Environmental Effects of Cooling Systems at Nuclear Power Plants, p. 389-400. Vol. SM-187/13. International Atomic Energy Agency. Vienna, Austria.
- 0420 Graham, T.P. 1974. Chronic malnutrition in four species of sunfish in a thermally loaded impoundment. p. 151-157. In Thermal Ecology, edited by J.W. Gibbons and R.R. Sharitz. CONF-730505. Atomic Energy Commission.
- 0421 Howell, F.G. 1975. The roles of host-related stimuli in the behavior of *Argas cooleyi* (Acarina: Argasidae). *Journal of Medical Entomology* 11:715-723.
- 0422 Baker, R.J., J.H. Bowers, and M.H. Smith. 1975. Reply to comments on "Chromosomal evolution in *Peromyscus*". *Evolution* 29:189.
- 0423 Esch, G.W., J.W. Gibbons, and J.E. Bourque. 1975. An analysis of the relationship between stress and parasitism. *The American Midland Naturalist* 93:339-353.
- 0424 O'Farrell, M.J. and E.H. Studier. 1975. Population structure and emergence activity patterns in *Myotis thysanodes* and *M. lucifungus* (Chiroptera: Vespertilionidae) in northeastern New Mexico. *The American Midland Naturalist* 93:368-376.
- 0425 Goodyear, C.P. 1973. Learned orientation in the predator avoidance behavior of mosquitofish, *Gambusia affinis*. *Behaviour* 45:191-224.

- 0426 Wiegert, R.G. and J.T. McGinnis. 1975. Annual production and disappearance of detritus on three South Carolina old fields. *Ecology* 56:129-140.
- 0427 Beyers, R.J. and B.J. Beyers. 1974. A partial bibliography of interest to those measuring aquatic primary productivity with some theoretical considerations regarding such measurements. University of Georgia Savannah River Ecology Laboratory. SRO-819-2.
- 0428 Lewis, W.M., Jr. 1975. A theoretical comparison of the attenuation of light energy and quanta in waters of divergent optical properties. *Archiv fuer Hydrobiologie* 75:285-296.
- 0429 Dapson, R.W. and L. Kaplan. 1975. Biological half-life and distribution of radiocesium in a contaminated population of green treefrogs *Hyla cinerea*. *Oikos* 26:39-42.
- 0430 Straney, D.O., B. Beaman, I.L. Brisbin Jr., and M.H. Smith. 1975. Radiocesium in birds of the Savannah River Plant. *Health Physics* 28:341-345.
- 0431 Bennett, D.H. and J.W. Gibbons. 1975. Reproductive cycles of largemouth bass (*Micropterus salmoides*) in a cooling reservoir. *Transactions of the American Fisheries Society* 104:77-82.
- 0432 McFarlane, R.W. 1975. Heron expansion in the Atacama Desert. *The Auk* 92:378-380.
- 0433 Kaufman, D.W. and G.A. Kaufman. 1975. Caloric density of the old-field mouse during postnatal growth. *Acta Theriologica* 20:83-95.
- 0434 Benke, A.C. and S.S. Benke. 1975. Comparative dynamics and life histories of coexisting dragonfly populations. *Ecology* 56:302-317.
- 0435 Pinder, J.E., III. 1975. Effects of species removal on an old-field plant community. *Ecology* 56:747-751.
- 0436 Echelle, A.A., A.F. Echelle, M.H. Smith, and L.G. Hill. 1975. Analysis of genic continuity in a headwater fish, *Etheostoma radiosum* (Percidae). *Copeia* 1975:197-204.
- 0437 O'Farrell, M.J. and D.W. Kaufman. 1975. Aspects of activity for *Peromyscus polionotus* using a sand-tracking technique. *Journal of Mammalogy* 56:525-528.
- 0438 Smith, M.H., C.T. Garten Jr., and P.R. Ramsey. 1975. Genic heterozygosity and population dynamics in small mammals. In Isozymes: IV Genetics and Evolution, edited by C.L. Market. p. 85-102. Academic Press. New York.

- 0439 Kaufman, G.A. and J.W. Gibbons. 1975. Weight-length relationships in thirteen species of snakes in the southeastern United States. *Herpetologica* 31:31-37.
- 0440 Murphy, T.M., Jr. and T.T. Fendley. 1975. A new technique for live trapping of nuisance alligators. *Proceedings of the Annual Conference Southeastern Association of Game and Fish Commissioners* 27:308-311.
- 0441 Murphy, J.C. and J.W. Gibbons. 1975. *Bibliography of Aquatic and Thermal Studies Conducted on the Savannah River Plant*. University of Georgia Savannah River Ecology Laboratory. Bibliography.
- 0442 Wiener, J.G. and S.E. Fuller. 1975. Comments on "Environmental evaluation based on relative growth rates of fishes". *Progressive Fish Culturist* 37:99-100.
- 0443 Smith, M.H., R.H. Gardner, J.B. Gentry, D.W. Kaufman, and M.H. O'Farrell. 1975. 2. Density estimations of small mammal populations. In Small Mammals: Their Productivity and Population Dynamics, p. 25-53. Vol. Vol. 5. International Biological Programme (IBP), Cambridge University Press. Great Britain.
- 0444 Gentry, J.B., L.A. Briese, D.W. Kaufman, M.H. Smith, and J.G. Wiener. 1975. 9. Elemental flow and standing crops for small mammal populations. In Small Mammals: Their Productivity and Population Dynamics, p. 205-221. Vol. Vol. 5. International Biological Programme (IBP), Cambridge University Press. Great Britain.
- 0445 Esch, G.W., W.C. Johnson, and J.R. Coggins. 1975. Studies on the population biology of *Proteocephalus ambloplitis* (Cestoda) in the smallmouth bass. *Proceedings of the Oklahoma Academy of Science* 55:122-127.
- 0446 Felley, J.D. and M.H. Smith. 1975. A bibliography for the old-field mouse, *Peromyscus polionotus* Wagner (Rodenta). U.S. Energy Research and Development Administration. SREL-5.
- 0447 Wiener, J.G. 1975. Nutrient cycles, nutrient limitation and vertebrate populations. *Biologist* 57:104-124.
- 0448 Kaufman, D.W., G.A. Kaufman, and J.G. Wiener. 1975. Energy equivalents for sixteen species of xeric rodents. *Journal of Mammalogy* 56:946-949.
- 0449 Cornaby, B.W., A.B. Vyas, C.T. Garten, and J.R. Embry. 1975. A systems model and simulations of calcium dynamics in a pine litter community. *Vidya* 18:140-152.
- 0450 Kaufman, D.W., G.A. Kaufman, and G.C. Smith. 1975. Oxygen consumption in Ord's kangaroo rat. *Texas Journal of Science* 26:615-618.

- 0451 Briese, L.A. and J.P. Giesey. 1975. Determination of lead and cadmium associated with naturally occurring organics extracted from surface waters, using flameless atomic absorption. *Atomic Absorption Newsletter* 14:133-136.
- 0452 Pinder, J.E., III and M.H. Smith. 1975. Frequency distributions of radiocesium concentrations in soil and biota. p. 107-125. In Mineral Cycling in Southeastern Ecosystems, edited by F.G. Howell, J.B. Gentry, and M.H. Smith. CONF-740513. ERDA Symposium Series.
- 0453 Garten, C.T., Jr., L.A. Briese, R.A. Geiger, R.R. Sharitz, and M.H. Smith. 1975. Radiocesium levels in vegetation colonizing a contaminated floodplain. p. 489-497. In Mineral Cycling in Southeastern Ecosystems, edited by F.G. Howell, J.B. Gentry, and M.H. Smith. ERDA Symposium Series. CONF-740513.
- 0454 Garten, C.T., Jr., L.A. Briese, R.R. Sharitz, and J.B. Gentry. 1975. Seasonal variation in radiocesium concentrations in three tree species. p. 498-508. In Mineral Cycling in Southeastern Ecosystems, edited by F.G. Howell, J.B. Gentry, and M.H. Smith. ERDA Symposium Series. CONF-740513.
- 0455 Briese, L.A., C.T. Garten Jr., and R.R. Sharitz. 1975. Distribution of radiocesium in vegetation along a contaminated stream. p. 509-517. In Mineral Cycling in Southeastern Ecosystems, edited by F.G. Howell, J.B. Gentry, and M.H. Smith. ERDA Symposium Series. CONF-740513.
- 0456 Kaufman, G.A. and D.W. Kaufman. 1975. Effects of age, sex, and pelage phenotype on the elemental composition of the old-field mouse. p. 518-527. In Mineral Cycling in Southeastern Ecosystems, edited by F.G. Howell, J.B. Gentry, and M.H. Smith. CONF-740513. ERDA Symposium Series.
- 0457 Kaufman, D.W. and G.A. Kaufman. 1975. Prediction of elemental content in the old-field mouse. p. 528-535. In Mineral Cycling in Southeastern Ecosystems, edited by F.G. Howell, J.B. Gentry, and M.H. Smith. CONF-740513. ERDA Symposium Series.
- 0458 Wiener, J.G., I.L. Brisbin Jr., and M.H. Smith. 1975. Chemical composition of white-tailed deer: whole body concentrations of macro- and micronutrients. p. 536-541. In Mineral Cycling in Southeastern Ecosystems, edited by F.G. Howell, J.B. Gentry, and M.H. Smith. CONF-740513. ERDA Symposium Series.
- 0459 Brisbin, I.L., Jr. and M.H. Smith. 1975. Radiocesium concentrations in whole-body homogenates and several body compartments of naturally contaminated white-tailed deer. p. 542-556. In Mineral Cycling in Southeastern Ecosystems, edited by F.G. Howell, J.B. Gentry, and M.H. Smith. CONF-740513. ERDA Symposium Series.

- 0460 Lewis, W.M., Jr. 1975. Effects of forest fires on atmospheric loads of soluble nutrients. p. 833-846. In Mineral Cycling in Southeastern Ecosystems, edited by F.G. Howell, J.B. Gentry, and M.H. Smith. CONF-740513. ERDA Symposium Series.
- 0461 McFarlane, R.W. 1975. Notes on the giant coot (*Fulica gigantea*). *The Condor* 77:324-327.
- 0462 Garten, C.T., Jr., J.B. Gentry, J.E. Pinder III, R.R. Sharitz, and M.H. Smith. 1975. Radiocaesium dynamics in a contaminated floodplain ecosystem in the southeastern United States. In Impacts of Nuclear Releases into the Aquatic Environment, p. 331-347. Vol. SM-198/41. International Atomic Energy Agency. Vienna, Austria.
- 0463 Smith, M.H. and S.L. Scott. 1975. Thermal tolerance and biochemical polymorphism of immature largemouth bass (*Micropterus salmoides*) Lacepede. *Bulletin of the Georgia Academy of Science* 34:180-184.
- 0464 Adriano, D.C. 1975. Chemical characteristics of beef feedlot manures as influenced by housing type. p. 347-350. In Managing Livestock Wastes, Conference Proceedings from the Third International Symposium on Livestock Wastes, American Society of Agricultural Engineers. St. Joseph, MI.
- 0465 Lattimore, R.E. and J.W. Gibbons. 1976. Body condition and stomach contents of fish inhabiting thermally altered areas. *The American Midland Naturalist* 95:215-219.
- 0466 Gentry, J.B., D.W. Kaufman, M.J. O'Farrell, M.H. Smith, and W.A. Strack. 1974. Density Estimation of Small Mammal Populations: A selected Bibliography. U.S. Atomic Energy Commission. Bibliography.
- 0467 Collins, V.R. and M.H. Smith. 1976. Field determination of energy flow in a small nocturnal mammal. *Journal of Mammalogy* 57:149-158.
- 0468 Esch, G.W. and J.D. Smyth. 1976. Studies on the *in vitro* culture of *Taenia crassiceps*. *International Journal of Parasitology* 6:143-149.
- 0469 Straney, D.O., M.H. Smith, R.J. Baker, and I.F. Greenbaum. 1976. Biochemical variation and genic similarity of *Myotis velifer* and *Macrotus californicus*. *Comparative Biochemistry and Physiology* 54B:243-248.
- 0470 Kaufman, D.W. and G.A. Kaufman. 1976. Pelage coloration of the old-field mouse with comments on adaptive coloration. *Acta Theriologica* 21:165-168.
- 0471 McLendon, H.R., O.M. Stewart, A.L. Boni, J.C. Corey, K.W. McLeod, and J.E. Pinder. 1976. Relationships among plutonium contents of soil, vegetation and

- animals collected on and adjacent to an integrated nuclear complex in the humid southeastern United States of America. In Transuranium Nuclides in the Environment, p. 347-363. Vol. SM-199/85. International Atomic Energy Agency. Vienna, Austria.
- 0472 Garten, C.T., Jr. 1976. Relationships between aggressive behavior and genic heterozygosity in the oldfield mouse, *Peromyscus polionotus*. *Evolution* 30:59-72.
- 0473 Garten, C.T., Jr. 1976. Relationships between nest building and general activity in the oldfield mouse, *Peromyscus polionotus*. *Journal of Mammalogy* 57:412-415.
- 0474 Kaufman, D.W., M.J. O'Farrell, G.A. Kaufman, and S.E. Fuller. 1976. Digestibility and elemental assimilation in cotton rats. *Acta Theriologica* 21:147-156.
- 0475 Smith, G.C. 1976. Ecological energetics of three species of ectothermic vertebrates. *Ecology* 57:252-264.
- 0476 Giesy, J.P., Jr. 1976. Stimulation of growth in *Scenedesmus obliquus* (Chlorophyceae) by humic acids under iron limited conditions. *Journal of Phycology* 12:172-179.
- 0477 Cheetham, J.L., C.T. Garten Jr., C.L. King, and M.H. Smith. 1976. Temperature tolerance and preference of immature channel catfish (*Ictalurus punctatus*). *Copeia* 1976:609-612.
- 0478 Smith, M.H., H.O. Hillestad, M.N. Manlove, and R.L. Marchinton. 1976. Use of population genetics data for the management of fish and wildlife populations. p. 119-133. In Transactions of the Forty-first North American Wildlife Natural Resources Conference, edited by K. Sabol. Wildlife Management Institute. Washington, D.C.
- 0479 Kania, H.J., R.L. Knight, and R.J. Beyers. 1976. Fate and biological effects of mercury introduced into artificial streams. Environmental Protection Agency. Ecological Research Series. EPA-600/3-76-060.
- 0480 Esch, G.W., G.C. Campbell, R.E. Conners, and J.R. Coggins. 1976. Recruitment of helminth parasites by bluegills (*Lepomis macrochirus*) using a modified live-box technique. *Transactions of the American Fisheries Society* 105:486-490.
- 0481 Lewis, W.M., Jr. 1976. Observations on the superficial sediment temperatures of some lakes in the southeastern United States. *Freshwater Biology* 6:49-57.
- 0482 Brisbin, I.L. 1975. The principles of ecology and their application to environmental problems associated with the production and utilization of energy.

- In Population and the Environmental Crisis, edited by S. White. p. 72-91. East Tennessee State University Press. Johnson City, TN.
- 0483 Giesy, J.P., Jr. and D. Paine. 1977. Uptake of americium-241 by algae and bacteria. *Progress in Water Technology* 9:845-857.
- 0484 Thorp, J.H. 1976. Interference competition as a mechanism of coexistence between two sympatric species of the grass shrimp *Palaemonetes* (Decapoda: Palaemonidae). *Journal of Experimental Marine Biology and Ecology* 25:19-35.
- 0485 McFarlane, R.W. 1976. Birds as agents of biological control. *Biologist* 58:123-140.
- 0486 Garten, C.T., Jr. and J.B. Gentry. 1976. Thermal tolerance of dragonfly nymphs. II. Comparison of nymphs from control and thermally altered environments. *Physiological Zoology* 49:206-213.
- 0487 Gibbons, J.W. 1976. Thermal alteration and the enhancement of species populations. p. 27-31. In Thermal Ecology II, edited by G.W. Esch and R.W. McFarlane. CONF-750425. ERDA Symposium Series.
- 0488 McFarlane, R.W., B.C. Moore, and S.E. Williams. 1976. Thermal tolerance of stream cyprinid minnows. p. 141-144. In Thermal Ecology II, edited by G.W. Esch and R.W. McFarlane. CONF-750425. ERDA Symposium Series.
- 0489 Murphy, J.C., C.T. Garten Jr., M.H. Smith, and E.A. Standora. 1976. Thermal tolerance and respiratory movement of bluegill from two populations tested at different levels of acclimation temperature and water hardness. p. 145-147. In Thermal Ecology II, edited by G.W. Esch and R.W. McFarlane. CONF-750425. ERDA Symposium Series.
- 0490 Aho, J.M., J.W. Gibbons, and G.W. Esch. 1976. Relationship between thermal loading and parasitism in the mosquitofish. p. 213-218. In Thermal Ecology II, edited by G.W. Esch and R.W. McFarlane. CONF-750425. ERDA Symposium Series.
- 0491 McFarlane, R.W. 1976. Fish diversity in adjacent ambient, thermal, and post-thermal freshwater streams. p. 268-271. In Thermal Ecology II, edited by G.W. Esch and R.W. McFarlane. CONF-750425. ERDA Symposium Series.
- 0492 Haines, B.L. 1977. Nitrogen Uptake--apparent pattern during old field succession in southeastern U.S. *Oecologica (Berl.)* 26:295-303.
- 0493 Manlove, M.N., J.C. Avise, H.O. Hillestad, P.R. Ramsey, M.H. Smith, and D.O. Straney. 1975. Starch gel electrophoresis for the study of population genetics in white-tailed deer. p. 392-403. In Twenty-ninth Annual Conference of the

- Southeastern Association Game and Fish Commissioners, edited by W.A. Rogers. St. Louis, MO.
- 0494 Giesy, J.P., Jr. and D. Paine. 1977. Effects of naturally occurring aquatic organic fractions on ^{241}Am uptake by *Scenedesmus obliquus* (Chlorophyceae) and *Aeromonas hydrophila* (Pseudomonadaceae). Applied and Environmental Microbiology 33:89-96.
- 0495 Garten, C.T., Jr. 1976. Correlations between concentrations of elements in plants. Nature 261:686-688.
- 0496 Martin, W.J., C.T. Garten Jr., and J.B. Gentry. 1976. Thermal tolerances of dragonfly nymphs. I. Sources of variation in estimating critical thermal maximum. Physiological Zoology 49:200-205.
- 0497 Forrester, D.J., E.C. Greiner, and R.W. McFarlane. 1977. Blood parasites of some columbiform and passeriform birds from Chile. Journal of Wildlife Diseases 13:94-96.
- 0498 Esch, G.W., T.C. Hazen, R.V. Dimock Jr., and J.W. Gibbons. 1976. Thermal effluent and the epizootiology of the ciliate *Epistylis* and the bacterium *Aeromonas* in association with centrarchid fish. Transactions of the American Microscopical Society 95:687-693.
- 0499 Odum, E.P. and R.L. Kroodsma. 1976. The power park concept: ameliorating man's disorder with nature's order. p. 1-9. In Thermal Ecology II, edited by G.W. Esch and R.W. McFarlane. CONF-750425. ERDA Symposium Series.
- 0500 Bowen, M. 1976. Effects of a thermal effluent on the ostracods of Par Pond, South Carolina. p. 219-226. In Thermal Ecology II, edited by G.W. Esch and R.W. McFarlane. CONF-750425. ERDA Symposium Series.
- 0501 O'Farrell, M.J. and E.H. Studier. 1976. Seasonal changes in wing loading, body composition, and organ weights in *Myotis thysanodes* and *M. lucifugus* (Chiroptera: Vespertilionidae). Bulletin Southern California Academy of Sciences 75:258-266.
- 0502 Benke, A.C. 1976. Dragonfly production and prey turnover. Ecology 57:915-927.
- 0503 Brisbin, I.L., Jr. and J. Swinebroad. 1975. The role of banding studies in evaluating the accumulation and cycling of radionuclides and other environmental contaminants in free-living birds. Eastern Bird Banding Association Newsletter 38:186-192.
- 0504 O'Farrell, M.J., D.W. Kaufman, J.B. Gentry, and M.H. Smith. 1977. Reproductive patterns of some small mammals in South Carolina. Florida Scientist 40:76-84.

- 0505 Eure, H. 1976. Seasonal abundance of *Proteocephalus ambloplitis* (Cestoidea: Proteocephalidea) from largemouth bass living in a heated reservoir. *Parasitology* 73:205-212.
- 0506 Eure, H. 1976. Seasonal abundance of *Neoechinorhynchus cylindratus* taken from largemouth bass (*Micropterus salmoides*) in a heated reservoir. *Parasitology* 73:355-370.
- 0507 Gibbons, J.W. 1976. Aging phenomena in reptiles. In Special Review of Experimental Aging Research, edited by M.F. Elias, B.E. Eleftheriou, and P.K. Elias. p. 454-475. Environmental Aging Research, Inc. Bar Harbor, Maine.
- 0508 Skorupa, J.P. and R.W. McFarlane. 1976. Seasonal variation in foraging territory of red-cockaded woodpeckers. *The Wilson Bulletin* 88:662-665.
- 0509 Wiener, J.G., D.W. Kaufman, G.A. Kaufman, J.B. Gentry, M.H. Smith, and P.R. Ramsey. 1977. Chemical composition of rodents: use of whole body concentrations for estimation of standing crops of elements. *Southwestern Naturalist* 22:77-88.
- 0510 Garten, C.T., Jr. and D. Paine. 1977. A multivariate analysis of factors affecting radiocesium uptake by *Sagittaria latifolia* in coastal plain environments. *Journal of Environmental Quality* 6:78-82.
- 0511 Bigler, W.J., E.H. Lebetkin, P.M. Cumbie, A.G. Cook, and W.G. Meginnis. 1977. Response of a cotton rat population to increased density. *The American Midland Naturalist* 97:10-17.
- 0512 Garten, C.T., Jr. 1977. Species, part and seasonal differences in sulfur concentrations in woody plants. *Bulletin of Environmental Contamination and Toxicology* 17:127-131.
- 0513 Wiegert, R.G. 1970. Energetics of the nest-building termite, *Nasutitermes costalis* (Holmgren), in a Puerto Rican forest. In A Tropical Rain Forest, a Study of Irradiation and Ecology and El Verde, Puerto Rico, edited by H.T. Odum. p. I57-I64. Vol. TID-24270. U.S. Atomic Energy Commission.
- 0514 Wiegert, R.G. 1970. Effects of ionizing radiation in leaf fall, decomposition, and litter microarthropods of a montane rain forest. In A Tropical Rain Forest, a Study of Irradiation and Ecology and El Verde, Puerto Rico, edited by H.T. Odum. p. H89-H100. Vol. TID-24270. U.S. Atomic Energy Commission.
- 0515 Landers, J.L., T.T. Fendley, and A.S. Johnson. 1977. Feeding ecology of wood ducks in South Carolina. *Journal of Wildlife Management* 41:118-127.

- 0516 McLeod, K.W. and P.G. Murphy. 1977. Establishment of *Ptelea trifoliata* on Lake Michigan sand dunes. *The American Midland Naturalist* 97:350-362.
- 0517 McLeod, K.W. and P.G. Murphy. 1977. Germination ecology of *Ptelea trifoliata*. *The American Midland Naturalist* 97:363-372.
- 0518 Sigmon, C.F., H.J. Kania, and R.J. Beyers. 1977. Reductions in biomass and diversity resulting from exposure to mercury in artificial streams. *Journal of the Fisheries Research Board of Canada* 34:493-500.
- 0519 Adriano, D.C., M.S. Delaney, G.D. Hoyt, and D. Paine. 1977. Availability to plants and soil extraction of americium-241 as influenced by chelating agent, lime, and soil type. *Environmental and Experimental Botany* 17:69-77.
- 0520 Gibbons, J.W. and J.W. Coker. 1977. Ecological and life history aspects of the cooter, *Chrysemys floridana* (Le Conte). *Herpetologica* 33:29-33.
- 0521 Brisbin, I.L., Jr., R.A. Geiger, H.B. Graves, J.E. Pinder III, J.M. Sweeney, and J.R. Sweeney. 1977. Morphological characterizations of two populations of feral swine. *Acta Theriologica* 22:75-85.
- 0522 Fendley, T.T., M.N. Manlove, and I.L. Brisbin Jr. 1977. The accumulation and elimination of radiocesium by naturally contaminated wood ducks. *Health Physics* 32:415-422.
- 0523 Garten, C.T., Jr. 1977. Relationships between exploratory behaviour and genic heterozygosity in the oldfield mouse. *Animal Behaviour* 25:328-332.
- 0524 Suda, J.R., R.R. Sharitz, and D.O. Straney. 1977. Morphological aberrations in *Typha* populations in a post-thermal aquatic habitat. *American Journal of Botany* 64:570-575.
- 0525 Giesy, J.P., Jr. and L.A. Briese. 1977. Metals associated with organic carbon extracted from Okefenokee swamp water. *Chemical Geology* 20:109-120.
- 0526 Brisbin, I.L., Jr. 1977. The pariah - its ecology and importance to the origin, development and study of pure bred dogs. *Pure-Bred Dogs American Kennel Gazette* 94:22-29.
- 0527 Straney, D.O., M.J. O'Farrell, and M.H. Smith. 1976. Biochemical genetics of *Myotis californicus* and *Pipistrellus hesperus* from southern Nevada. *Mammalia* 40:344-347.
- 0528 Avise, J.C., D.O. Straney, and M.H. Smith. 1977. Biochemical genetics of sunfish. IV. Relationships of centrarchid genera. *Copeia* 1977:250-258.

- 0529 Adriano, D.C. and J.E. Pinder III. 1977. Aerial deposition of plutonium in mixed forest stands from nuclear fuel reprocessing. *Journal of Environmental Quality* 6:303-307.
- 0530 Geiger, R.A. and T.F. Winsor. 1977. ^{239}Pu contamination in snakes inhabiting the Rocky Flats plant site. *Health Physics* 33:145-148.
- 0531 Adriano, D.C., M. Delaney, and D. Paine. 1977. Availability of cobalt-60 to corn and bean seedlings as influenced by soil type, lime, and DTPA. *Communications in Soil Science and Plant Analysis* 8:615-628.
- 0532 Hazen, T.C. and G.W. Esch. 1977. Studies on the population biology of two larval trematodes in the amphipod, *Hyaella azteca*. *The American Midland Naturalist* 98:213-219.
- 0533 Giesy, J.P., Jr. and J.G. Wiener. 1977. Frequency distributions of trace metal concentrations in five freshwater fishes. *Transactions of the American Fisheries Society* 106:393-403.
- 0534 Golley, F.B. and J.B. Gentry. 1969. Response of rodents to acute gamma radiation under field conditions. p. 166-172. In Second National Symposium on Radioecology, edited by D.J. Nelson and F.C. Evans. CONF-670503. U.S. Atomic Energy Commission and the University of Michigan. Ann Arbor, MI.
- 0535 Kaufman, G.A. and D.W. Kaufman. 1977. Body composition of the old-field mouse (*Peromyscus polionotus*). *Journal of Mammalogy* 58:429-434.
- 0536 Tinkle, D.W. and J.W. Gibbons. 1977. The distribution and evolution of viviparity in reptiles. *Miscellaneous Publications Museum of Zoology University of Michigan* 154:1-55.
- 0537 Glover, D.G., M.H. Smith, L. Ames, J. Joule, and J.M. Dubach. 1977. Genetic variation in pika populations. *Canadian Journal of Zoology* 55:1841-1845.
- 0538 Giesy, J.P., Jr., G.J. Leversee, and D.R. Williams. 1977. Effects of naturally occurring aquatic organic fractions on cadmium toxicity to *Simocephalus serrulatus* (Daphnidae) and *Gambusia affinis* (Poeciliidae). *Water Research* 11:1013-1020.
- 0539 Smith, D.H. 1977. The natural history and development of *Cuterebra approximata* (Diptera: Cuterebridae) in its natural host, *Peromyscus maniculatus* (Rodentia: Cricetidae), in western Montana. *Journal of Medical Entomology* 14:137-145.

- 0540 Avise, J.C. and M.H. Smith. 1977. Gene frequency comparisons between sunfish (Centrarchidae) populations at various stages of evolutionary divergence. *Systematic Zoology* 26:319-335.
- 0541 Smith, D.H. 1977. Effects of experimental bot fly parasitism on gonad weights of *Peromyscus maniculatus*. *Journal of Mammalogy* 58:679-681.
- 0542 Domby, A.H., D. Paine, and R.W. McFarlane. 1977. Radiocesium dynamics in herons inhabiting a contaminated reservoir system. *Health Physics* 33:523-532.
- 0543 Gibbons, J.W., J.W. Coker, and T.M. Murphy Jr. 1977. Selected aspects of the life history of the rainbow snake (*Farancia erythrogramma*). *Herpetologica* 33:276-281.
- 0544 O'Farrell, M.J., D.W. Kaufman, and D.W. Lundahl. 1977. Use of live-trapping with the assessment line method for density estimation. *Journal of Mammalogy* 58:575-582.
- 0545 Brisbin, I.L., Jr. 1976. The domestication of the dog. *Pure-Bred Dogs American Kennel Gazette* 93:22-27.
- 0546 Garten, C.T., Jr., J.B. Gentry, and R.R. Sharitz. 1977. An analysis of elemental concentrations in vegetation bordering a southeastern United States coastal plain stream. *Ecology* 58:979-992.
- 0547 Gibbons, J.W. and K.K. Patterson. 1977. A model for baseline studies of taxonomic groups: Based on "The Reptiles and Amphibians of the Savannah River Plant." pp. 120-128. In National Environmental Research Park Symposium, edited by J.T. Kitchings and N.E. Tarr. ORNL-5304. Oak Ridge National Laboratories. Oak Ridge, TN.
- 0548 Standora, E.A. and D.R. Nelson. 1977. A telemetric study of the behavior of free-swimming Pacific angel sharks, *Squatina californica*. *Bulletin Southern California Academy of Sciences* 76:193-201.
- 0549 Felley, J.D. and M.H. Smith. 1978. Phenotypic and genetic trends in bluegills of a single drainage. *Copeia* 1978:175-177.
- 0550 Brisbin, I.L., Jr., D.E. Buie, H.O. Hillestad, R.R. Roth, and E.J. Cahoon. 1977. Natural resource inventory and characterization at the Savannah River National Environmental Research Park: an overview of program goals and design. pp. 99-119. In Natural Resource Inventory, Characterization, and Analysis, edited by J.T. Kitchings and N.E. Tarr. ORNL-5304. Oak Ridge National Laboratories. Oak Ridge, TN.

- 0551 Liu, E.H., R.R. Sharitz, and M.H. Smith. 1978. Thermal sensitivities of malate dehydrogenase isozymes in *Typha*. *American Journal of Botany* 65:214-220.
- 0552 Giesy, J.P., Jr., D. Paine, and L.W. Hersloff. 1977. Effect of naturally occurring organics on plutonium-237 uptake by algae and bacteria. In Transuranics in Natural Environment, edited by M.G. White and P.B. Dunaway. p. 531-543. Vol. NVO-178. Las Vegas, NV.
- 0553 Standora, E.A. 1977. An eight-channel radio telemetry system to monitor alligator body temperatures in a heated reservoir. p. 70-78. In First International Conference on Wildlife Biotelemetry, edited by F.M. Lond. Laramie, WY.
- 0554 Straney, D.O. 1978. Variance partitioning and nongeographic variation. *Journal of Mammalogy* 59:1-11.
- 0555 Williams, P.R., Jr. and I.L. Brisbin Jr. 1978. Responses of captive-reared eastern kingsnakes (*Lampropeltis getulus*) to several prey odor stimuli. *Herpetologica* 34:79-83.
- 0556 Smith, D.H. 1978. Effects of bot fly (*Cuterebra*) parasitism on activity patterns of *Peromyscus maniculatus* in the laboratory. *Journal of Wildlife Diseases* 14:28-39.
- 0557 Smith, D.H. 1978. Vulnerability of bot fly (*Cuterebra*) infected *Peromyscus maniculatus* to shorttail weasel predation in the laboratory. *Journal of Wildlife Diseases* 14:40-51.
- 0558 Gibbons, J.W. and J.W. Coker. 1978. Herpetofaunal colonization patterns of Atlantic Coast barrier islands. *The American Midland Naturalist* 99:219-233.
- 0559 Smith, M.H., M.N. Manlove, and J. Joule. 1978. Spatial and temporal dynamics of the genetic organization of small mammal populations. In Populations of Small Mammals Under Natural Conditions, p. 99-113. Vol. Special Publication 5. Pymatuning Laboratory of Ecology.
- 0560 Domby, A.H. and R.W. McFarlane. 1978. Feeding ecology of little blue herons at a radionuclide-contaminated reservoir. *Wading Birds* 7:361-364.
- 0561 Smith, M.H., H.O. Hillestad, M.N. Manlove, D.O. Straney, and J.M. Dean. 1977. Management implications of genetic variability in loggerhead and green sea turtles. p. 302-312. In Thirteenth International Congress Game Biologists, edited by J.J. Peterle. Atlanta, GA.
- 0562 Fendley, T.T. and I.L. Brisbin Jr. 1977. Growth curve analysis: a potential measure of the effects of environmental stress upon wildlife populations. p. 337-350. In Thirteenth International Congress Game Biologists, edited by T.J. Peterle. Atlanta, GA.

- 0563 Garten, C.T., Jr. 1978. Multivariate perspectives on the ecology of plant mineral element composition. *The American Naturalist* 112:533-544.
- 0564 Pinder, J.E., III, J.G. Wiener, and M.H. Smith. 1978. The Weibull distribution: a new method of summarizing survivorship data. *Ecology* 59:175-179.
- 0565 Gibbons, J.W. and D.H. Nelson. 1978. The evolutionary significance of delayed emergence from the nest by hatchling turtles. *Evolution* 32:297-303.
- 0566 Gibbons, J.W. 1978. Reptiles. In An Annotated Checklist of the Biota of the Coastal Zone of South Carolina, edited by R.G. Zingmark. p. 270-276. University of South Carolina. Columbia, SC.
- 0567 Hazen, T.C. and G.W. Esch. 1978. Observations on the ecology of *Clinostomum marginatum* in largemouth bass (*Micropterus salmoides*). *Journal of Fish Biology* 12:411-420.
- 0568 Giesy, J.P. and L.A. Briese. 1978. Particulate formation due to freezing humic waters. *Water Resources Research* 14:542-544.
- 0569 Pinder, J.E., III and R.R. Sharitz. 1978. Variance components of radiocesium concentrations in plants inhabiting a contaminated floodplain. *Oecologia* 13:111-120.
- 0570 Gibbons, J.W. and J.L. Greene. 1978. Selected aspects of the ecology of the chicken turtle, *Deirochelys reticularia* (Latreille) (Reptilia, Testudines, Emydidae). *Journal of Herpetology* 12:237-241.
- 0571 Williams, D.R. and J.P. Giesy Jr. 1978. Relative importance of food and water sources to cadmium uptake by *Gambusia affinis* (Poeciliidae). *Environmental Research* 16:326-332.
- 0572 Adriano, D.C., T.A. Woodford, and T.G. Ciravolo. 1978. Growth and elemental composition of corn and bean seedlings as influenced by soil application of coal ash. *Journal of Environmental Quality* 7:416-421.
- 0573 Dunham, A.E., D.W. Tinkle, and J.W. Gibbons. 1978. Body size in island lizards: a cautionary tale. *Ecology* 59:1230-1238.
- 0574 Brisbin, I.L., Jr., M.W. Smith, and M.H. Smith. 1977. Feral swine studies at the Savannah River Ecology Laboratory: an overview of program goals and design. In Research and Management of Wild Hog Populations, edited by G.W. Wood. p. 71-90. Belle W. Baruch Forest Science Institute, Clemson University. Georgetown, SC.

- 0575 Quinn, T., G.W. Esch, T.C. Hazen, and J.W. Gibbons. 1978. Long range movement and homing by largemouth bass (*Micropterus salmoides*) in a thermally altered reservoir. *Copeia* 1978:542-545.
- 0576 Manlove, M.N., M.H. Smith, H.O. Hillestad, S.E. Fuller, P.E. Johns, and D.O. Straney. 1976. Genetic subdivision in a herd of white-tailed deer as demonstrated by spatial shifts in gene frequencies. p. 487-492. In Thirtieth Annual Conference of the Southeastern Association Game and Fish Commission,
- 0577 Hazen, T.C., G.W. Esch, A.B. Glassman, and J.W. Gibbons. 1978. Relationship of season, thermal loading and red-sore disease with various haematological parameters in *Micropterus salmoides*. *Journal of Fish Biology* 12:491-498.
- 0578 Kaufman, D.W., J.B. Gentry, G.A. Kaufman, M.H. Smith, and J.G. Wiener. 1978. Density estimation of small mammals: comparison of techniques utilizing removal trapping. *Acta Theriologica* 23:147-171.
- 0579 Wood, D.H. 1978. Temperature adaptation in the freshwater snail, *Helisoma trivolvis* (Say), in an artificially heated reservoir in the southeastern United States. *Journal of Thermal Biology* 3:187-194.
- 0580 Thorp, J.H. 1978. Agonistic behavior in crayfish in relation to temperature and reproductive period. *Oecologia* 36:273-280.
- 0581 Mashburn, S.J., R.R. Sharitz, and M.H. Smith. 1978. Genetic variation among *Typha* populations of the southeastern United States. *Evolution* 32:681-685.
- 0582 Haines, B.L. 1978. Patterns of potassium, magnesium, and calcium uptake during southeastern old-field succession. p. 605-621. In Environmental Chemistry and Cycling Processes, edited by D.C. Adriano and I.L. Brisbin Jr. CONF-760429. U.S. Department of Energy Symposium Series.
- 0583 Hersloff, L.W. and J.C. Corey. 1978. Uptake of three isotopes of plutonium from soil by sweet corn grown in a growth chamber. p. 622-627. In Environmental Chemistry and Cycling Processes, edited by D.C. Adriano and I.L. Brisbin Jr. CONF-760429. U.S. Department of Energy Symposium Series.
- 0584 Skinner, S.P., J.B. Gentry, and J.P. Giesy Jr. 1978. Cadmium dynamics in terrestrial food webs of a coal ash basin. p. 658-672. In Environmental Chemistry and Cycling Processes, edited by D.C. Adriano and I.L. Brisbin Jr. CONF-760429. U.S. Department of Energy Symposium Series.
- 0585 Giesy, J.P., Jr., L.A. Briese, and G.J. Leversee. 1978. Metal binding capacity of selected Maine surface waters. *Environmental Geology* 2:257-268.

- 0586 Thorp, J.H. and K.S. Ammerman. 1978. Chemical communication and agonism in the crayfish, *Procambarus acutus*. *The American Midland Naturalist* 100:471-474.
- 0587 Hazen, T.C., M.L. Raker, G.W. Esch, and C.B. Fliermans. 1978. Ultrastructure of red-sore lesions on largemouth bass (*Micropterus salmoides*): association of the ciliate *Epistylis* sp. and the bacterium *Aeromonas hydrophila*. *Journal of Protozoology* 25:351-355.
- 0588 Dahlman, R.C. and K.W. McLeod. 1977. Foliar and root pathways of plutonium contamination of vegetation. In Transuranics in Natural Environments, edited by M.G. White and P.B. Dunaway. p. 303-320. Vol. NVO-178. Las Vegas, NV.
- 0589 Semlitsch, R.D. and J.W. Gibbons. 1978. Reproductive allocation in the brown water snake, *Natrix taxispilota*. *Copeia* 1978:721-723.
- 0590 Patterson, K.K. 1978. Life history aspects of paedogenic populations of the mole salamander, *Ambystoma talpoideum*. *Copeia* 1978:649-655.
- 0591 Gibbons, J.W. 1978. Book Review: Biology of the reptilia, Volume 7, Ecology and behavior. *Copeia* 1978:731-733.
- 0592 Giesy, J.P., Jr. 1978. Cadmium inhibition of leaf decomposition in an aquatic microcosm. *Chemosphere* 6:467-475.
- 0593 Gibbons, J.W., D.H. Bennett, G.W. Esch, and T.C. Hazen. 1978. Effects of thermal effluent on body condition of largemouth bass. *Nature* 274:470-471.
- 0594 Alberts, J.J. and R.N. Muller. 1979. The distribution of $^{239,240}\text{Pu}$, ^{238}Pu , and ^{137}Cs in various particle size classes of Lake Michigan sediments. *Journal of Environmental Quality* 8:20-22.
- 0595 Martin, C.E., E.J. Christy, and K.W. McLeod. 1977. Changes in the vegetation of a South Carolina swamp following cessation of thermal pollution. *Journal of the Elisha Mitchell Scientific Society* 93:173-176.
- 0596 Brisbin, I.L., Jr. 1979. The principles of ecology as a frame of reference for ethical challenges: towards the development of an ecological theology. *Georgia Journal of Science* 37:21-34.
- 0597 Alberts, J.J., L.J. Tilly, and T.J. Vigerstad. 1979. Seasonal cycling of cesium-137 in a reservoir. *Science* 203:649-651.
- 0598 Ciravolo, T.G., D.C. Martens, D.L. Hallock, E.R. Collins Jr., E.T. Kornegay, and H.R. Thomas. 1979. Pollutant movement to shallow ground water tables from anaerobic swine waste lagoons. *Journal of Environmental Quality* 8:126-130.

- 0599 Rose, G.B. 1979. Calcium cycling and trophic relationships of arthropods in a Ca-45 tagged cornfield. *Oecologia* 38:127-146.
- 0600 Giesy, J.P., Jr. and L.A. Briesse. 1978. Trace metal transport by particulates and organic carbon in two South Carolina streams. *Internationale Vereinigung fuer Theoretische und Angewandte Limnologie* 20:1401-1417.
- 0601 Ramsey, P.R., J.C. Avise, M.H. Smith, and D.F. Urbston. 1979. Biochemical variation and genetic heterogeneity in South Carolina deer populations. *Journal of Wildlife Management* 43:136-142.
- 0602 Straney, D.O., M.H. Smith, I.F. Greenbaum, and R.J. Baker. 1979. Biochemical genetics in: *Biology of Bats of the New World*. Special Publication The Museum, Texas Tech University 16:157-176.
- 0603 Gibbons, J.W. and J.L. Greene. 1979. X-ray photography: A technique to determine reproductive patterns of freshwater turtles. *Herpetologica* 35:86-89.
- 0604 Wiener, J.G. and J.P. Giesy Jr. 1979. Concentrations of Cd, Cu, Mn, Pb, and Zn in fishes in a highly organic softwater pond. *Journal of the Fisheries Research Board of Canada* 36:270-279.
- 0605 Foley, R.E., J.R. Spotila, J.P. Giesy, and C.H. Wall. 1978. Arsenic concentrations in water and fish from Chautauqua Lake, New York. *Environmental Biology of Fishes* 3:361-367.
- 0606 McLeod, K.W., C. Sherrod Jr., and T.E. Porch. 1979. Response of longleaf pine plantations to litter removal. *Forest Ecology and Management* 2:1-12.
- 0607 Ginter, D.L., K.W. McLeod, and C. Sherrod Jr. 1979. Water stress in longleaf pine induced by litter removal. *Forest Ecology and Management* 2:13-20.
- 0608 Smith, M.H., I.L. Brisbin Jr., and J.G. Weiner. 1979. Some basic principles concerning biological response to environmental change. In Selection, Management, Utilization of Biosphere Reserves, edited by J.F. Franklin and S.L. Kaufman. p. 105-122. PNW-82. Corvallis, OR.
- 0609 Thorp, J.H., J.P. Giesy, and S.A. Wineriter. 1979. Effects of chronic cadmium exposure on crayfish survival, growth, tolerance to elevated temperatures. *Archives of Environmental Contamination and Toxicology* 8:449-456.
- 0610 Clay, D.L., I.L. Brisbin Jr., and K.A. Youngstrom. 1979. Age-specific changes in the major body components and caloric values of growing wood ducks. *The Auk* 96:296-305.

- 0611 Sharitz, R.R. and J.C. Luvall. 1978. Growth of duckweed under constant and variable temperatures. p. 410-419. In Energy and Environmental Stress in Aquatic Systems, edited by J.H. Thorp and J.W. Gibbons. U.S. Department of Energy. CONF-771114.
- 0612 Gibbons, J.W., G.H. Keaton, J.P. Schubauer, J.L. Greene, D.H. Bennett, J.R. McAuliffe, and R.R. Sharitz. 1979. Unusual population size structure in freshwater turtles on barrier islands. *Georgia Journal of Science* 37:155-159.
- 0613 Hoyt, G.D. and D.C. Adriano. 1979. Americium-241 uptake by bahiagrass as influenced by soil type, lime, and organic matter. *Journal of Environmental Quality* 8:392-396.
- 0614 Hazen, T.C. and C.B. Fliermans. 1979. Distribution of *Aeromonas hydrophila* in natural and man-made thermal effluents. *Applied and Environmental Microbiology* 38:166-178.
- 0615 Giesy, J.P., Jr. and L.E. Tessier. 1979. Distribution potential of *Myriophyllum spicatum* (Angiospermae, Haloragidaceae) in softwater systems. *Archiv fuer Hydrobiologie* 85:437-447.
- 0616 Kirkham, M.B., D.C. Adriano, and J.C. Corey. 1979. Comparison of plutonium concentrations in deer from the southeastern United States and in deer from an integrated nuclear fuel cycle facility. *Health Physics* 36:516-519.
- 0617 Tkacik, M.F., J.P. Giesy, E.L. Wilhite, and J.C. Corey. 1979. Plutonium uptake by *Scenedesmus obliquus* as a function of isotope and oxidation state. *Environmental and Experimental Botany* 19:223-229.
- 0618 Baccus, R., H.O. Hillestad, P.E. Johns, M.N. Manlove, R.L. Marchinton, and M.H. Smith. 1979. Prenatal selection in white-tailed deer. *Proceedings of the Annual Conference of Southeastern Association of Fish and Wildlife Agencies* 31:173-179.
- 0619 Johns, P.E., R. Baccus, M.N. Manlove, J.E. Pinder III, and M.H. Smith. 1979. Reproductive patterns, productivity and genetic variability in adjacent white-tailed deer populations. *Proceedings of the Annual Conference of Southeastern Association of Fish and Wildlife Agencies* 31:167-172.
- 0620 Bennett, D.H. and C.P. Goodyear. 1978. Response of mosquitofish to thermal effluent. p. 498-510. In Energy and Environmental Stress in Aquatic Systems, edited by J.H. Thorp and J.W. Gibbons. CONF-771114. U.S. Department of Energy.
- 0621 Esch, G.W. and T.C. Hazen. 1978. Thermal ecology and stress: a case history for red-sore disease in largemouth bass. p. 331-363. In Energy and Environmental

- Stress in Aquatic Systems, edited by J.H. Thorp and J.W. Gibbons. CONF-771114. U.S. Department of Energy.
- 0622 Huizinga, H.W., G.W. Esch, and T.C. Hazen. 1979. Histopathology of red-sore disease (*Aeromonas hydrophila*) in naturally and experimentally infected largemouth bass *Micropterus salmoides* (Laceped). *Journal of Fish Diseases* 2:263-277.
- 0623 Pratt, P.F., S. Davis, D.C. Adriano, S.E. Bishop, and A.E. Laag. 1979. Fate of salts from water and manure in a 4-year field experiment. p. 264-276. In Managing Saline Water for Irrigation, Proceedings of International Salinity Conference, edited by H.E. Dregne. Texas Tech University, Lubbock, TX.
- 0624 Semlitsch, R.D. 1979. The influence of temperature on ecdysis rates in snakes (genus *Natrix*) (Reptilia, Serpentes, Colubridae). *Journal of Herpetology* 13:212-214.
- 0625 Sharitz, R.R. and J.W. Gibbons. 1979. Impacts of thermal effluents from nuclear reactors on southeastern ecosystems. In Changing Energy Use Futures, edited by R.A. Fazzolare and C.B. Smith. p. 609-616. Vol. Volume II. Pergamon Press. New York.
- 0626 Dapson, R.W., P.R. Ramsey, M.H. Smith, and D.F. Urbston. 1979. Demographic differences in contiguous populations of white-tailed deer. *Journal of Wildlife Management* 43:889-898.
- 0627 Ames, L.J., J.D. Felley, and M.H. Smith. 1979. Amounts of asymmetry in centrarchid fish inhabiting heated and nonheated reservoirs. *Transactions of the American Fisheries Society* 108:489-495.
- 0628 Bennett, D.H. 1979. Behavioral thermoregulation of largemouth bass (*Micropterus salmoides*) in a reservoir receiving thermal effluent. *Archiv fuer Hydrobiologie* 86:193-203.
- 0629 Esch, G.W., J.W. Gibbons, and J.E. Bourque. 1979. Species diversity of helminth parasites in *Chrysemys s. scripta* from a variety of habitats in South Carolina. *Journal of Parasitology* 65:633-638.
- 0630 Esch, G.W., J.W. Gibbons, and J.E. Bourque. 1979. The distribution and abundance of enteric helminths in *Chrysemys s. scripta* from various habitats on the Savannah River Plant in South Carolina. *Journal of Parasitology* 65:624-632.
- 0631 Lenarz, M.S. 1979. Social structure and reproductive strategy in desert bighorn sheep (*Ovis canadensis mexicana*). *Journal of Mammalogy* 60:671-678.

- 0632 Dapson, R.W., A.T. Feldman, and G. Pane. 1980. Differential rates of aging in natural populations of old-field mice (*Peromyscus polionotus*). *Journal of Gerontology* 35:39-44.
- 0633 Adriano, D.C. 1979. Factors affecting the availability of americium-241 to the rice plant. *Journal of Agricultural and Food Chemistry* 27:1369-1375.
- 0634 Jones, J.C., J.F. Hancock, and E.H. Liu. 1979. Biochemical and morphological effects of temperature on *Typha latifolia* L. (Typhaceae) originating from different ends of a thermal gradient. I. Controlled environment studies. *American Journal of Botany* 66:902-906.
- 0635 Wiener, J.G. 1979. Aerial inputs of cadmium, copper, lead, and manganese into a freshwater pond in the vicinity of a coal-fired power plant. *Water Air and Soil Pollution* 12:343-353.
- 0636 Dickson, G.W., J.C. Patton, J.R. Holsinger, and J.C. Avise. 1979. Genetic variation in cave-dwelling and deep-sea organisms, with emphasis on *Crangonyx antennatus* (Crustacea: Amphipoda) in Virginia. *Brimleyana* 2:119-130.
- 0637 Goodyear, C.P. and D.H. Bennett. 1979. Sun compass orientation of immature bluegill. *Transactions of the American Fisheries Society* 108:555-559.
- 0638 Felley, J. 1980. Analysis of morphology and asymmetry in bluegill sunfish (*Lepomis macrochirus*) in the southeastern United States. *Copeia* 1980:18-29.
- 0639 Clay, D.L., I.L. Brisbin Jr., P.B. Bush, and E.E. Provost. 1979. Patterns of mercury contamination in a wintering waterfowl community. *Proceedings of the Annual Conference of the Southeastern Association of Fish and Wildlife Agencies* 32:309-317.
- 0640 Dickson, G.W., L.A. Briese, and J.P. Giesy Jr. 1979. Tissue metal concentrations in two crayfish species cohabiting a Tennessee cave stream. *Oecologia* 44:8-12.
- 0641 Bartell, S.M. and J.E. Breck. 1979. Simulated impact of macrophyte harvesting on pelagic phosphorus cycling in Lake Wingra. p. 239-249. In Aquatic Plants, Lake Management, and Ecosystem Consequences of Lake Harvesting, edited by J.E. Breck, R.T. Prentki, and O.L. Loucks. Madison, WI.
- 0642 Gibbons, J.W., J. Harrison, D.H. Nelson, and C.L. Abercrombie III. 1976. Status report: the reptiles. p. 79-81. In First South Carolina Endangered Species Symposium, edited by D.N. Forsythe and W.B. Ezell Jr.
- 0643 Gibbons, J.W., D.H. Nelson, K.K. Patterson, and J.L. Greene. 1976. The reptiles and amphibians of the Savannah River Plant in west-central South Carolina. p.

- 133-143. In First South Carolina Endangered Species Symposium, edited by D.N. Forsythe and W.B. Ezell Jr.
- 0644 Douglas, M.E. 1979. Migration and sexual selection in *Ambystoma jeffersonianum*. *Canadian Journal of Zoology* 57:2303-2310.
- 0645 Fontaine, T.D., III and K.C. Ewel. 1979. Herbivory of aquatic macrophytes by white amur: simulation of possible lake system responses. p. 285-303. In Aquatic Plants, Lake Management, and Ecosystem Consequences of Lake Harvesting, edited by J.E. Breck, R.T. Prentki, and O.L. Loucks. Madison, WI.
- 0646 Ciravolo, T.G. and D.C. Adriano. 1978. Utilization of coal ash by crops under greenhouse conditions. In Ecology and Coal Resource Development, edited by M.K. Wali. p. 958-966. Vol. Volume 2.
- 0647 Evans, D.W. and J.P. Giesy Jr. 1978. Trace metal concentrations in a stream-swamp system receiving coal ash effluent. In Ecology and Coal Resource Development, edited by M.K. Wali. p. 782-790. Vol. Volume 2.
- 0648 Pelton, M.R., F.W. Kinard Jr., E. Pivorum, A.E. Sanders, and M.H. Smith. 1976. Status report: the mammals. p. 88-92. In First South Carolina Endangered Species Symposium, edited by D.N. Forsythe and W.B. Ezell Jr.
- 0649 Smith, M.H., J. Britton, P. Burke, R.K. Chesser, M.W. Smith, and J. Hagen. 1977. Genetic variability in *Corbicula*, an invading species. p. 243-248. In First International Corbicula Symposium, Texas Christian University, Ft. Worth, TX.
- 0650 Schubauer, J.P., C.L. Scott, K.T. Kowalski, and J.R. Spotila. 1980. Effect of tetracycline hydrochloride treatment on the critical thermal maximum of common shiners. *Progressive Fish Culturist* 42:48-49.
- 0651 Avise, J.C., M.H. Smith, and R.K. Selander. 1979. Biochemical polymorphism and systematics in the genus *Peromyscus*. VII. Geographic differentiation in members of the *truei* and *maniculatus* species groups. *Journal of Mammalogy* 60:177-192.
- 0652 Gibbons, J.W., J.L. Greene, and J.P. Schubauer. 1978. Variability in clutch size in aquatic chelonians. *British Journal of Herpetology* 6:13-14.
- 0653 Smith, M.W., M.H. Smith, and I.L. Brisbin Jr. 1980. Genetic variability and domestication in swine. *Journal of Mammalogy* 61:39-45.
- 0654 Smith, M.H., B. G. Maza, and J.G. Wiener. 1980. Social interaction and spatial distribution in a desert rodent. *Journal of Mammalogy* 61:113-116.

- 0655 Giesy, J.P., Jr. and L.A. Briesse. 1980. Metal binding capacity of northern European surface waters for Cd, Cu, and Pb. *Organic Geochemistry* 2:57-67.
- 0656 Dickson, G.W. and R. Franz. 1980. Respiration rates, ATP turnover and adenylate energy charge in excised gills of surface and cave crayfish. *Comparative Biochemistry and Physiology* 65A:375-379.
- 0657 Johns, P.E., M.H. Smith, and R.K. Chesser. 1980. Effects of sex, age, habitat and body weight on kidney weight in white-tailed deer. *Growth* 44:46-53.
- 0658 Bennett, S.H., J.W. Gibbons, and J. Glanville. 1980. Terrestrial activity, abundance and diversity of amphibians in differently managed forest types. *The American Midland Naturalist* 103:412-416.
- 0659 McLeod, K.W., D.C. Adriano, A.L. Boni, J.C. Corey, J.H. Horton, D. Paine, and J.E. Pinder III. 1980. Influence of a nuclear fuel chemical separations facility on the plutonium contents of a wheat crop. *Journal of Environmental Quality* 9:306-315.
- 0660 Horton, J.H., J.C. Corey, D.C. Adriano, and J.E. Pinder III. 1980. Distribution of surface-deposited plutonium in soil after cultivation. *Health Physics* 38:697-699.
- 0661 Giesy, J.P., Jr. 1980. Cadmium interactions with naturally occurring organic ligands. In *Cadmium in the Environment, Part I*, edited by J.O. Nriagu. p. 237-256. John Wiley & Sons. New York.
- 0662 Ferguson, G.W. and T. Brockman. 1980. Geographic differences of growth rate of *Sceloporus* lizards (Sauria: Iguanidae). *Copeia* 1980:259-264.
- 0663 Sherrod, C., Jr., D.E. Somers, and K.W. McLeod. 1980. Potential for baldcypress establishment in thermally altered streams. *Journal of Thermal Biology* 5:107-111.
- 0664 Gibbons, J.W., R.R. Sharitz, and I.L. Brisbin Jr. 1980. Thermal ecology research at the Savannah River Plant: a review. *Nuclear Safety* 21:367-379.
- 0665 Bagshaw, C., Yates, V.J., A.D. Pronovost, and P.W. Chang. 1980. Enhancement and inhibition of CELO virus pathogenicity in quail by avian adenovirus-associated virus. *Journal of Wildlife Diseases* 16:287-291.
- 0666 Semlitsch, R.D. 1980. Geographic and local variation in population parameters of the slimy salamander *Plethodon glutinosus*. *Herpetologica* 36:6-16.
- 0667 Dapson, R.W. 1979. Phenologic influences on cohort-specific reproductive strategies in mice (*Peromyscus polionotus*). *Ecology* 60:1125-1131.

- 0668 Pinder, J.E., III, M.H. Smith, A.L. Boni, J.C. Corey, and J.H. Horton. 1979. Plutonium inventories in two old-field ecosystems in the vicinity of a nuclear-fuel reprocessing facility. *Ecology* 60:1141-1150.
- 0669 Pinder, J.E., III, C.T. Garten Jr., and D. Paine. 1980. Factors affecting radiocesium uptake by plants inhabiting a contaminated floodplain. *Acta Oecologica* 1:3-10.
- 0670 Leversee, G.J. 1980. Collagen deposition in branch tips of the octocoral *Leptogorgia virgulata*. In Developmental and Cellular Biology of Coelenterates, edited by P. Tardent and R. Tardent. p. 191-196. Elsevier/North-Holland Biomedical Press.
- 0671 Smith, G.C., J.B. Gentry, D.W. Kaufman, and M.H. Smith. 1980. Factors affecting distribution and removal rates of small mammals in a lowland swamp forest. *Acta Theriologica* 25:51-59.
- 0672 Evans, D.W., J.G. Wiener, and J.H. Horton. 1980. Trace element inputs from a coal burning power plant to adjacent terrestrial and aquatic environments. *Journal of the Air Pollution Control Association* 30:567-573.
- 0673 Adriano, D.C., A.L. Page, A.A. Elsewi, A.C. Chang, and I. Straughan. 1980. Utilization and disposal of fly ash and other coal residues in terrestrial ecosystems: a review. *Journal of Environmental Quality* 9:333-344.
- 0674 Gardner, R.H., J.E. Pinder III, and R.S. Wood. 1980. Monte Carlo estimation of percentiles for the multi-Smirnov test. *Journal of Statistical Computer Simulation* 10:243-249.
- 0675 Semlitsch, R.D. and M.A. McMillan. 1980. Breeding migrations, population size structure, and reproduction of the dwarf salamander, *Eurycea quadridigitata*, in South Carolina. *Brimleyana* 3:97-105.
- 0676 Ferguson, G.W., C.H. Bohlen, and H. P. Woolley. 1980. *Sceloporus undulatus*: comparative life history and regulation of a Kansas population. *Ecology* 61:313-322.
- 0677 Semlitsch, R.D. 1980. Growth and metamorphosis of larval dwarf salamanders (*Eurycea quadridigitata*). *Herpetologica* 36:138-140.
- 0678 Parmenter, R.R. 1980. Effects of food availability and water temperature on the feeding ecology of pond sliders (*Chrysemys s. scripta*). *Copeia* 1980:503-514.
- 0679 Teska, W.R. 1980. Effects of food availability on trap response of the hispid cotton rat, *Sigmodon hispidus*. *Journal of Mammalogy* 61:555-557.

- 0680 White, G.C. and I.L. Brisbin Jr. 1980. Estimation and comparison of parameters in stochastic growth models for barn owls. *Growth* 44:97-111.
- 0681 Christy, E.J. and R.R. Sharitz. 1980. Characteristics of three populations of a swamp annual under different temperature regimes. *Ecology* 61:454-460.
- 0682 Gibbons, J.W. and J. Caldwell. 1980. Herpetology at the Savannah River Ecology Laboratory. *Herpetological Review* 11:72-74.
- 0683 Jeselnik, D.L. and I.L. Brisbin Jr. 1980. Food-caching behaviour of captive-reared red foxes. *Applied Animal Ethology* 6:363-367.
- 0684 Caldwell, J.P., J.H. Thorp, and T.O. Jervey. 1980. Predator-prey relationships among larval dragonflies, salamanders, and frogs. *Oecologia* 46:285-289.
- 0685 McLeod, K.W. and D.L. Dawson. 1980. Increased cesium uptake by water tupelo under inundated conditions. *Health Physics* 39:809-812.
- 0686 Sharitz, R.R., S.A. Wineriter, M.H. Smith, and E.H. Liu. 1980. Comparison of isozymes among *Typha* species in the eastern United States. *American Journal of Botany* 67:1297-1303.
- 0687 Watters, R.L., D.N. Edgington, T.E. Hakonson, W.C. Hanson, M.H. Smith, F.W. Whicker, and R.E. Wildung. 1980. Synthesis of the research literature. In Transuranic Elements in the Environment, edited by W.C. Hanson. p. 1-44. Vol. TIC-22800. U.S. Department of Energy.
- 0688 Pinder, J.E., III and D. Paine. 1980. Sources of variation in soil plutonium concentrations. In Transuranic Elements in the Environment, edited by W.C. Hanson. p. 165-172. Vol. TIC-228800. U.S. Department of Energy.
- 0689 Adriano, D.C., J.C. Corey, and R.C. Dahlman. 1980. Plutonium contents of field crops in the southeastern United States. In Transuranic Elements in the Environment, edited by W.C. Hanson. p. 381-402. Vol. TIC-22800. U.S. Department of Energy.
- 0690 Adriano, D.C., A. Wallace, and E.M. Romney. 1980. Uptake of transuranic nuclides from soil by plants grown under controlled environmental conditions. In Transuranic Elements in the Environment, edited by W.C. Hanson. p. 336-360. Vol. TIC-22800. U.S. Department of Energy.
- 0691 Baccus, R., J. Joule, and W.J. Kimberling. 1980. Linkage and selection analysis of biochemical variants in *Peromyscus maniculatus*. *Journal of Mammalogy* 61:423-435.

- 0692 Alberts, J.J. and B.J. Collins. 1980. Consequences of anaerobiosis on metal-organic interactions in two ponds of the southeastern United States. In Biogeochemistry of Ancient and Modern Environments, edited by M.R. Walters. p. 365-372. Australian Academy of Sciences. Canberra, Australia.
- 0693 Gauthreaux, S.A., Jr., J.P. Holt, F.M. Probst, T.A. Beckett III, and R.N. McFarlane. 1976. Status report: the birds. p. 82-87. In First South Carolina Endangered Species Symposium, edited by D.N. Forsythe and W.B. Ezell Jr.
- 0694 Leversee, G.J. 1980. Incorporation and distribution of labeled proline in collagenous and non-collagenous components of the gorgonian coral *Leptogorgia virgulata* (Coelenterata, Octocoralia). *Comparative Biochemistry and Physiology* 67B:499-503.
- 0695 Esch, G.W. and T.C. Hazen. 1980. Stress and body condition in a population of largemouth bass: implications for red-sore disease. *Transactions of the American Fisheries Society* 109:532-536.
- 0696 Giesy, J.P., J.W. Bowling, and H.J. Kania. 1980. Cadmium and zinc accumulation and elimination by freshwater crayfish. *Archiv fuer Hydrobiologie* 9:683-697.
- 0697 Briese, L.A. and M.H. Smith. 1980. Body condition, elemental balance, and parasitism in cotton rats. *Journal of Mammalogy* 61:763-766.
- 0698 Alberts, J.J., C.M. Bobula III, and D.T. Farrar. 1980. A comparison of the distribution of industrially released ^{238}Pu and fallout $^{239,240}\text{Pu}$ in temperate, northern United States soils. *Journal of Environmental Quality* 9:592-596.
- 0699 Adriano, D.C., A. Fulenwider, R.R. Sharitz, T.G. Ciravolo, and G.D. Hoyt. 1980. Growth and mineral nutrition of cattail (*Typha*) as influenced by thermal alteration. *Journal of Environmental Quality* 9:649-653.
- 0700 Alberts, J.J. and M.A. Wahlgren. 1981. Concentrations of $^{239,240}\text{Pu}$, ^{137}Cs , and ^{90}Sr in the waters of the Laurentian Great Lakes: comparison of 1973 and 1976 values. *Environmental Science and Technology* 15:94-98.
- 0701 Adams, S.E., M.H. Smith, and R. Baccus. 1980. Biochemical variation in the American alligator. *Herpetologica* 36:289-296.
- 0702 Doctor, P.G., R.O. Gilbert, and J.E. Pinder III. 1980. An evaluation of the use of ratios in environmental transuranic studies. *Journal of Environmental Quality* 9:539-546.
- 0703 Thorp, J.H. and S.A. Wineriter. 1981. Stress and growth response of juvenile crayfish to rhythmic and arrhythmic temperature fluctuations. *Archives of Environmental Contamination and Toxicology* 10:69-77.

- 0704 Manlove, M.N., R. Baccus, M.R. Pelton, M.H. Smith, and D. Graber. 1980. Biochemical variation in the black bear. In Bears - Their Biology and Management, edited by C.J. Martinka and K.L. McArthur. p. 37-41. U.S. Government Printing Office. Washington, DC.
- 0705 Peckham, D.J. and A.W. Hook. 1980. Behavioral observations on *Oxybelus* in southeastern North America. *Annals of the Entomological Society of America* 73:557-567.
- 0706 McMillan, M.A. and R.D. Semlitsch. 1980. Prey of the dwarf salamander, *Eurycea quadridigitata* in South Carolina. *Journal of Herpetology* 14:424-426.
- 0707 Murphy, L.S., R. Ellis Jr., and D.C. Adriano. 1981. Phosphorus-micronutrient interaction effects on crop production. *Journal of Plant Nutrition* 3:593-613.
- 0708 Itagaki, H. and J.H. Thorp. 1981. Laboratory experiments to determine if crayfish can communicate chemically in a flow-through system. *Journal of Chemical Ecology* 7:115-126.
- 0709 Dunn, E.H. and I.L. Brisbin Jr. 1980. Age-specific changes in the major body components and caloric values of herring gull chicks. *The Condor* 82:398-401.
- 0710 Fendley, T.T. 1980. Incubating wood duck and hooded merganser hens killed by black rat snakes. *The Wilson Bulletin* 92:526-527.
- 0711 Alberts, J.J. and D.W. Evans. 1979. Comparative chemistry of submicron sized organic fractions in four rivers of the southeastern United States. *Progress in Physics and Chemistry of the Earth* 12:463-468.
- 0712 Adriano, D.C., G.D. Hoyt, and J.E. Pinder III. 1981. Fallout of cesium-137 on a forest ecosystem in the vicinity of a nuclear fuel reprocessing plant. *Health Physics* 40:369-376.
- 0713 Giesy, J.P., Jr. and E.P. Odum. 1980. Microcosmology: introductory comments. p. 1-13. In Microcosms in Ecological Research, edited by J.P. Giesy Jr. CONF-781101. U.S. Department of Energy Symposium Series 52.
- 0714 Bowling, J.W., J.P. Giesy, H.J. Kania, and R.L. Knight. 1980. Large-scale microcosms for assessing fates and effects of trace contaminants. p. 224-247. In Microcosms in Ecological Research, edited by J.P. Giesy Jr. CONF-781101. U.S. Department of Energy Symposium Series 52.
- 0715 Giesy, J.P. and R.A. Geiger. 1980. Relative mobilization of zinc, cerium, and americium from sediment in an aquatic microcosm. p. 304-318. In Microcosms in

- Ecological Research, edited by J.P. Giesy Jr. CONF-781101. U.S. Department of Energy Symposium Series 52.
- 0716 Semlitsch, R.D. 1981. Terrestrial activity and summer home range of the mole salamander (*Ambystoma talpoideum*). *Canadian Journal of Zoology* 59:315-322.
- 0717 Gibbons, J.W. and R.R. Sharitz. 1981. Thermal ecology: environmental teachings of a nuclear reactor site. *BioScience* 31:293-298.
- 0718 Gibbons, J.W., R.D. Semlitsch, J.L. Greene, and J.P. Schubauer. 1981. Variation in age and size at maturity of the slider turtle (*Pseudemys scripta*). *The American Naturalist* 117:841-845.
- 0719 Foltz, D.W. 1981. Genetic evidence for long-term monogamy in a small rodent, *Peromyscus polionotus*. *The American Naturalist* 117:665-675.
- 0720 Brown, K. 1981. Low genetic variability and high similarities in the crayfish genera *Cambarus* and *Procambarus*. *The American Midland Naturalist* 105:225-232.
- 0721 Brisbin, I.L., Jr. 1980. Zoological parks and the conservation of wildlife: an overview of ecological and genetic principles. p. 22-29. In Regional Conference Proceedings of the American Association of Zoological Parks and Aquariums, Chicago, IL.
- 0722 Schubauer, J.P. 1981. A reliable radio-telemetry tracking system suitable for studies of chelonians. *Journal of Herpetology* 15:117-120.
- 0723 Giesy, J.P. and G.W. Dickson. 1981. The effect of season and location on phosphoadenylate concentrations and adenylate energy charge in two species of freshwater clams. *Oecologia* 49:1-7.
- 0724 Smith, M.H., D.O. Straney, and G.E. Drewry. 1981. Biochemical similarities among Puerto Rican *Eleutherodactylus*. *Copeia* 1981:463-466.
- 0725 Kraemer, J.E. and S.H. Bennett. 1981. Utilization of posthatching yolk in loggerhead sea turtles, *Caretta caretta*. *Copeia* 1981:406-411.
- 0726 Gibson, D.M. and E.H. Liu. 1981. Inhibition of cell wall-associated peroxidase isozymes with British Anti-Lewisite. *Journal of Experimental Botany* 32:419-426.
- 0727 Ryman, N., R. Baccus, C. Reuterwall, and M.H. Smith. 1981. Effective population size, generation interval, and potential loss of genetic variability in game species under different hunting regimes. *Oikos* 36:257-266.

- 0728 Semlitsch, R.D., K.L. Brown, and J.P. Caldwell. 1981. Habitat utilization, seasonal activity, and population size structure of the southeastern crowned snake (*Tantilla coronata*). *Herpetologica* 37:40-46.
- 0729 Douglas, M.E. and B.L. Monroe Jr. 1981. A comparative study of topographical orientation in *Ambystoma* (Amphibia: Caudata). *Copeia* 1981:460-463.
- 0730 Pinder, J.E., III and J.P. Giesy. 1981. Frequency distributions of the concentrations of essential and nonessential elements in largemouth bass, *Micropterus salmoides*. *Ecology* 62:456-468.
- 0731 Pinder, J.E., III and J.P. Giesy. 1981. Errors in determining elemental concentrations and the structure of interelement correlation matrices. *Ecology* 62:483-485.
- 0732 Thorp, J.H. and E.A. Bergey. 1981. Field experiments on responses of a freshwater benthic macroinvertebrate community to vertebrate predators. *Ecology* 62:365-375.
- 0733 Bartell, S.M. 1981. Potential impact of size-selective planktivory on phosphorus release by zooplankton. *Hydrobiologia* 80:139-145.
- 0734 Whitford, W.G. and J.B. Gentry. 1981. Ant communities of southeastern longleaf pine plantations. *Environmental Entomology* 10:183-185.
- 0735 Chesser, R.K., M.H. Smith, and I.L. Brisbin Jr. 1980. Management and maintenance of genetic variability in endangered species. *International Zoo Yearbook* 20:146-154.
- 0736 Adriano, D.C., K.W. McLeod, and T.G. Ciravolo. 1981. Curium uptake by crops from naturally-weathered contaminated soil. *Health Physics* 41:69-75.
- 0737 Reinke, J.J., D.C. Adriano, and K.W. McLeod. 1981. Effects of litter alteration on carbon dioxide evolution from a South Carolina pine forest floor. *Soil Science Society of America Journal* 45:620-623.
- 0738 Gibbons, J.W. and J.R. Harrison III. 1981. Reptiles and amphibians of Kiawah and Capers Islands, South Carolina. *Brimleyana* 5:145-162.
- 0739 Adriano, D.C., K.W. McLeod, and T.G. Ciravolo. 1981. Plutonium, curium and other radionuclide uptake by the rice plant from a naturally weathered, contaminated soil. *Soil Science* 132:83-88.
- 0740 McLeod, K.W., D.C. Adriano, and T.G. Ciravolo. 1981. Uptake of plutonium from soils contaminated by a nuclear fuel chemical separations facility. *Soil Science* 132:89-98.

- 0741 Fontaine, T.D., III and K.C. Ewel. 1981. Metabolism of a Florida lake ecosystem. *Limnology and Oceanography* 26:754-763.
- 0742 Parmenter, R.R. 1981. Digestive turnover rates in freshwater turtles: the influence of temperature and body size. *Comparative Biochemistry and Physiology* 70A:235-238.
- 0743 Semlitsch, R.D. 1981. Effects of implanted tantalum-182 wire tags on the mole salamander, *Ambystoma talpoideum*. *Copeia* 1981:735-737.
- 0744 Murphy, P.A. 1981. Celestial compass orientation in juvenile American alligators (*Alligator mississippiensis*). *Copeia* 1981:638-645.
- 0745 McLeod, K.W. and C. Sherrod Jr. 1981. Baldcypress seedling growth in thermally altered habitats. *American Journal of Botany* 68:918-923.
- 0746 Snider, R.J. 1981. *Bourletiella (Bourletiella) gibbonsi*, a new species from South Carolina (Collembola: Sminthuridae). *Entomological News* 92:93-97.
- 0747 Fontaine, T.D. 1981. A self-designing model for testing hypotheses of ecosystem development. p. 281-291. In Progress in Ecological Engineering and Management by Mathematical Modelling. Proceedings of the Second International Conference on State-of-the-Art in Ecology Modelling,
- 0748 LaGory, K.E. 1981. The possible communicative role of tail-flicking in white-tailed deer. *Animal Behaviour* 29:966.
- 0749 Giesy, J.P., S.R. Denzer, C.S. Duke, and G.W. Dickson. 1981. Phosphoadenylate concentrations and energy charge in two freshwater crustaceans: responses to physical and chemical stressors. *Internationale Vereinigung fuer Theoretische und Angewandte Limnologie* 21:205-220.
- 0750 Dickson, G.W. and J.P. Giesy. 1981. Variation of phosphoadenylates and adenylate energy charge in crayfish (Decapoda: Astacidae) tail muscle due to habitat differences. *Comparative Biochemistry and Physiology* 70A:421-425.
- 0751 Landrum, P.F. and J.P. Giesy. 1981. Anomalous breakthrough of benzo(a)pyrene during concentration with amberlite^RXAD-4 resin from aqueous solutions. In Advances in the Identification & Analysis of Organic Pollutants in Water, edited by L.H. Keith. p. 345-355. Vol. Volume 1. Ann Arbor Science. Ann Arbor, MI.
- 0752 Brown, K.L. and J.F. McCormick. 1981. Education and employment of ecologists in the United States. *Bulletin of the Ecological Society of America* 62:193-196.

- 0753 Alberts, J.J. and K.A. Orlandini. 1981. Laboratory and field studies of the relative mobility of $^{239,240}\text{Pu}$ and ^{241}Am from lake sediments under oxic and anoxic conditions. *Geochimica et Cosmochimica Acta* 45:1931-1939.
- 0754 Finger, S.E., I.L. Brisbin Jr., M.H. Smith, and D.F. Urbston. 1981. Kidney fat as a predictor of body condition in white-tailed deer. *Journal of Wildlife Management* 45:964-968.
- 0755 Thorp, J.H. and E.A. Bergey. 1981. Field experiments on interactions between vertebrate predators and larval midges (Diptera: Chironomidae) in the littoral zone of a reservoir. *Oecologia* 50:285-290.
- 0756 Janssen, J. 1981. Searching for zooplankton just outside Snell's window. *Limnology and Oceanography* 26:1168-1171.
- 0757 LaGory, K.E., M.K. LaGory, and D.H. Taylor. 1981. Evening activities and nearest-neighbor distances in free-ranging white-tailed deer. *Journal of Mammalogy* 62:752-757.
- 0758 Sharitz, R.R. and J.W. Gibbons. 1981. Effects of thermal effluents on a lake: enrichment and stress. In Stress Effects on Natural Ecosystems, edited by G.W. Barrett and R. Rosenberg. p. 243-259. John Wiley & Sons, Ltd. New York.
- 0759 Tinkle, D.W., J.D. Congdon, and P.C. Rosen. 1981. Nesting frequency and success: implications for the demography of painted turtles. *Ecology* 62:1426-1432.
- 0760 Snider, R.J. 1981. *Sminthurus carolinensis*, new species from South Carolina (Collembola: Sminthuridae). *Florida Entomologist* 64:417-424.
- 0761 Ryder, O.A., P.C. Brisbin, A.T. Bowling, and E.A. Wedemeyer. 1981. Monitoring genetic variation in endangered species. p. 417-424. In Evolution Today, Proceedings of the Second International Congress of Systematic and Evolutionary Biology, edited by G.G.E. Scudder and J.L. Reveal.
- 0762 Koevenig, J.L. and E.H. Liu. 1981. Carboxymethyl cellulase activity in the myxomycete *Physarum polycephalum*. *Mycologia* 72:1085-1091.
- 0763 Jenkins, J.H., E.E. Provost, T.T. Fendley, J.R. Monroe, I.L. Brisbin Jr., and M.S. Lenarz. 1979. Techniques and problems associated with a consecutive twenty-five year furbearer trapline census. p. 1-7. In Bobcat Research Proceedings, Science and Technology Series 6. National Wildlife Federation. Front Royal, VA.
- 0764 Giesy, J.P., J.W. Bowling, H.J. Kania, R.L. Knight, and S. Mashburn. 1981. Fates of cadmium introduced into channels microcosm. *Environment International* 5:159-175.

- 0765 Thorp, J.H. and M.R. Diggins. 1982. Factors affecting depth distribution of dragonflies and other benthic insects in a thermally destabilized reservoir. *Hydrobiologia* 87:33-44.
- 0766 Thorp, J.H. and M.L. Cothran. 1982. Floating field microcosms for studying benthic communities. *Freshwater Invertebrate Biology* 1:44-49.
- 0767 Dickson, G.W. and J.P. Giesy. 1982. The effects of starvation on muscle phosphoadenylate concentrations and adenylate energy charge of surface and cave crayfish. *Comparative Biochemistry and Physiology* 71A:357-361.
- 0768 Wiener, J.G. 1982. Method for detecting trace-element contamination of fish samples from handling. *Environmental Science and Technology* 16:90-93.
- 0769 Lesniak, A.P. and E.H. Liu. 1982. Characterization of a hemagglutinin from *Leptogorgia virgulata*. *Comparative Biochemistry and Physiology* 71B:305-308.
- 0770 Leverage, G.J., J.P. Giesy, P.F. Landrum, S. Gerould, J.W. Bowling, T.E. Fannin, J.D. Haddock, and S.M. Bartell. 1982. Kinetics and biotransformation of benzo(a)pyrene in *Chironomus riparius*. *Archives of Environmental Contamination and Toxicology* 11:25-31.
- 0771 LaGory, K.E., M.K. LaGory, and J.V. Perino. 1982. Response of big and little bluestem (*Andropogon*) seedlings to soil and moisture conditions. *Ohio Journal of Science* 82:19-23.
- 0772 Adriano, D.C. and A.L. Page. 1981. Co-recycling of sewage sludge and fly ash: heavy metal uptake by crop. p. 185-188. In Proceedings of the International Conference on Heavy Metals in the Environment, CEP Consultants, Ltd. Amsterdam.
- 0773 Harrison, J.S. and J.B. Gentry. 1981. Foraging pattern, colony distribution and foraging range of the Florida harvester ant, *Pogonomyrmex badius*. *Ecology* 62:1467-1473.
- 0774 Douglas, M.E. and J.C. Avise. 1982. Speciation rates and morphological divergence in fishes: tests of gradual versus rectangular modes of evolutionary change. *Evolution* 36:224-232.
- 0775 Brisbin, I.L., Jr., E.A. Standora, and M.J. Vargo. 1982. Body temperatures and behavior of American alligators during cold winter weather. *The American Midland Naturalist* 107:209-218.

- 0776 Adriano, D.C., A.L. Page, A.A. Elseei, and A.C. Chang. 1982. Cadmium availability to sudangrass grown on soils amended with sewage sludge and fly ash. *Journal of Environmental Quality* 11:197-203.
- 0777 Adriano, D.C., A.L. Page, A.C. Chang, and A.A. Elsewi. 1982. Co-recycling of sewage sludge and fly ash: cadmium accumulation by crop. *Environmental Technology Letters* 3:145-150.
- 0778 Congdon, J.D. and D.W. Tinkle. 1982. Reproductive energetics of the painted turtle (*Chrysemys picta*). *Herpetologica* 38:228-237.
- 0779 Gibbons, J.W. 1982. Reproductive patterns in freshwater turtles. *Herpetologica* 38:222-227.
- 0780 Gibbons, J.W. 1982. Dedication to Donald W. Tinkle. *Herpetologica* 38:3-4.
- 0781 Luvall, J.C. and C.E. Murphy Jr. 1982. Evaluation of the tritiated water method for measurement of transpiration in young *Pinus taeda* L. *Forest Science* 28:5-16.
- 0782 Vitt, L.J. and H.J. Price. 1982. Ecological and evolutionary determinants of relative clutch mass in lizards. *Herpetologica* 38:237-255.
- 0783 Alberts, J.J. 1982. The effect of metal ions on the ultraviolet spectra of humic acid, tannic acid and lignosulfonic acid. *Water Research* 16:1273-1276.
- 0784 Smith, M.H. and R.K. Chesser. 1981. Rationale for conserving genetic variation of fish gene pools. *Ecological Bulletins* 34:13-20.
- 0785 Thorp, J.H. and H. Itagaki. 1982. Verification versus falsification of existing theory analysis of possible chemical communication in crayfish. *Journal of Chemical Ecology* 8:1073-1077.
- 0786 Gresens, S.E., M.L. Cothran, and J.H. Thorp. 1982. The influence of temperature on the functional response of the dragonfly *Celithemis fasciata* (Odonata: Libellulidae). *Oecologia* 53:281-284.
- 0787 Vangilder, L.D., O. Torgerson, and W.R. Porath. 1982. Factors influencing diet selection by white-tailed deer. *Journal of Wildlife Management* 46:711-718.
- 0788 Congdon, J.D., L.J. Vitt, R.C. Van Loben Sels, and R.D. Ohmart. 1982. The ecological significance of water flux rates in arboreal desert lizards of the genus *Urosaurus*. *Physiological Zoology* 55:317-322.
- 0789 Dickson, G.W. and J.P. Giesy. 1982. Seasonal variation of phosphoadenylate concentrations and adenylate energy charge in dorsal tail muscle of the crayfish,

- Procambarus acutus acutus* (Decapoda: Astacidae). Comparative Biochemistry and Physiology 72A:295-299.
- 0790 Congdon, J.D. and D.W. Tinkle. 1982. Energy expenditure in free-ranging sagebrush lizards (*Sceloporus graciosus*). Canadian Journal of Zoology 60:1412-1416.
- 0791 Nelson, D.H. and D.K. Hooper. 1982. Thermal tolerance and preference of the freshwater shrimp *Palaemonetes kadiakensis*. Journal of Thermal Biology 7:183-187.
- 0792 Semlitsch, R.D. and J.P. Caldwell. 1982. Effects of density on growth, metamorphosis, and survivorship in tadpoles of *Scaphiopus holbrooki*. Ecology 63:905-911.
- 0793 Gibbons, J.W. and R.D. Semlitsch. 1982. Survivorship and longevity of a long-lived vertebrate species: How long do turtles live? Journal of Animal Ecology 51:523-527.
- 0794 Adriano, D.C., J.E. Pinder III, K.W. McLeod, J.C. Corey, and A.L. Boni. 1982. Plutonium contents and fluxes in a soybean crop ecosystem near a nuclear fuel chemical separations facility. Journal of Environmental Quality 11:506-511.
- 0795 Brisbin, I.L., Jr. and M.J. Vargo. 1982. Four-year declines in radiocesium concentrations of American coots inhabiting a nuclear reactor cooling reservoir. Health Physics 43:266-269.
- 0796 Corey, J.C., J.E. Pinder III, J.R. Watts, D.C. Adriano, A.L. Boni, and K.W. McLeod. 1982. Stack-released plutonium in the terrestrial environment of a chemical separations facility. Nuclear Safety 23:310-319.
- 0797 Leversee, G.J., J.P. Giesy Jr., P.F. Landrum, S. Bartell, S. Gerould, M. Bruno, A. Spacier, J. Bowling, J. Haddock, and T. Fannin. 1980. Disposition of benzo(a)pyrene in aquatic systems components: periphyton, chironomids, daphnia, fish. In Polynuclear Aromatic Hydrocarbons, edited by M. Cooke and A.J. Dennis. p. 357-366. Battelle Press. Columbus, OH.
- 0798 Vitt, L.J. 1982. Sexual dimorphism and reproduction in the microteiid lizard, *Gymnophthalmus mutliscutatus*. Journal of Herpetology 16:325-329.
- 0799 Strass, P.K., K.J. Miles, B.S. McDonald Jr., and I.L. Brisbin Jr. 1982. An assessment of factors associated with the daytime use of resting forms by eastern box turtles (*Terrapene carolina carolina*). Journal of Herpetology 16:320-322.

- 0800 Chesser, R.K., C. Reuterwall, and N. Ryman. 1982. Genetic differentiation of Scandinavian moose *Alces alces* populations over short geographical distances. *Oikos* 39:125-130.
- 0801 Hauer, F.R. and J.A. Stanford. 1982. Bionomics of *Dicosmoecus gilvipes* (Trichoptera: Limnephilidae) in a large western montane river. *The American Midland Naturalist* 108:81-87.
- 0802 Watts, J.R., J.C. Corey, and K.W. McLeod. 1982. Land application studies of industrial waste oils. *Environmental Pollution (Series A)* 28:165-175.
- 0803 Gentry, J.B. and W.G. Whitford. 1982. The relationship between wood litter infall and relative abundance and feeding activity of subterranean termites *Reticulitermes* spp. in three southeastern coastal plain habitats. *Oecologia* 54:63-67.
- 0804 Gibbons, J.W. and R.D. Semlitsch. 1981. Terrestrial drift fences with pitfall traps: An effective technique for quantitative sampling of animal populations. *Brimleyana* 7:1-6.
- 0805 Standora, E.A., J.R. Spotila, and R.E. Foley. 1982. Regional endothermy in the sea turtle, *Chelonia mydas*. *Journal of Thermal Biology* 7:159-165.
- 0806 Camp, J.W., J.M. Aho, and G.W. Esch. 1982. A long-term study on various aspects of the population biology of *Ornithodiplostomum ptychocheilus* in a South Carolina cooling reservoir. *Journal of Parasitology* 68:709-718.
- 0807 Chesser, R.K., M.H. Smith, P.E. Johns, M.N. Manlove, D.O. Straney, and R. Baccus. 1982. Spatial, temporal, and age-dependent heterozygosity of beta-hemoglobin in white-tailed deer. *Journal of Wildlife Management* 46:983-990.
- 0808 Bowling, J.W., G.J. Leversee, P.F. Landrum, and J.P. Giesy. 1983. Acute mortality of anthracene-contaminated fish exposed to sunlight. *Aquatic Toxicology* 3:79-90.
- 0809 Janssen, J. 1982. Comparison of searching behavior for zooplankton in an obligate planktivore, blueback herring (*Alosa aestivalis*) and a facultative planktivore, bluegill (*Lepomis macrochirus*). *Canadian Journal of Fisheries and Aquatic Sciences* 39:1649-1654.
- 0810 Bruno, M.G., T.E. Fannin, and G.J. Leversee. 1982. The disposition of benzo(a)pyrene in the periphyton communities of two South Carolina streams: uptake and biotransformation. *Canadian Journal of Botany* 60:2084-2091.

- 0811 Wallace, A., E.M. Romney, D.C. Adriano, J. Kinnear, and G.V. Alexander. 1982. Sources of variation in mineral composition of selected plants inhabiting a floodplain at the Savannah River Plant. *Soil Science* 134:36-39.
- 0812 Congdon, J.D., A.E. Dunham, and D.W. Tinkle. 1982. Chapter 5. Energy budgets and life histories of reptiles. In Biology of the Reptilia, edited by C. Gans. p. 233-271. Vol. Volume 13. Academic Press. New York.
- 0813 Hauer, F.R. and J.A. Stanford. 1982. Ecology and life histories of three net-spinning caddisfly species (Hydropsychidae: *Hydropsyche*) in the Flathead River, Montana. *Freshwater Invertebrate Biology* 1:18-29.
- 0814 Cothran, M.L. and J.L. Thorp. 1982. Emergence patterns and size variation of *Odonata* in a thermal reservoir. *Freshwater Invertebrate Biology* 1:30-39.
- 0815 Semlitsch, R.D. and J.W. Gibbons. 1982. Body size dimorphism and sexual selection in two species of water snakes. *Copeia* 1982:974-976.
- 0816 Gibbons, J.W., J.L. Greene, and K.K. Patterson. 1982. Variation in reproductive characteristics of aquatic turtles. *Copeia* 1982:776-784.
- 0817 Caldwell, J.P. 1982. Disruptive selection: a tail color polymorphism in *Acris* tadpoles in response to differential predation. *Canadian Journal of Zoology* 60:2818-2827.
- 0818 Vitt, L.J. and R.E. Ballinger. 1982. The adaptive significance of a complex caudal adaptation in the tropical gekkonid lizard *Lygodactylus klugei*. *Canadian Journal of Zoology* 60:2582-2587.
- 0819 Newman, M.C. and A.W. McIntosh. 1983. Lead elimination and size effects on accumulation by two freshwater gastropods. *Archives of Environmental Contamination and Toxicology* 12:25-29.
- 0820 Alberts, J.J. and J.P. Giesy. 1983. Chapter 16. Conditional stability constants of trace metals and naturally occurring humic materials: application in equilibrium models and verification with field data. In Aquatic and Terrestrial Humic Materials, edited by R.F. Christman and E.T. Gjessing. p. 333-348. Ann Arbor Science Publications. Ann Arbor, MI.
- 0821 Brisbin, I.L., Jr. 1982. Applied ecological studies of the American alligator at the Savannah River Ecology Laboratory: an overview of program goals and design. p. 376-388. In 5th Working Meeting of the Crocodile Specialist Group of the Species Survival Commission of the International Union for Conservation of Nature and Natural Resources, IUCNNR. Florida State Museum, Gainesville, FL.

- 0822 Mayer, J.J. and P.N. Brandt. 1982. Identity, distribution, and natural history of the peccaries, Tayassuidae. In Mammalian Biology in South America, p. 433-435. Vol. Volume 6. Special Series Publication, Pymatuning Laboratory of Ecology, University of Pittsburgh. Pittsburgh, PA.
- 0823 Mulvey, M. and R.C. Vrijenhoek. 1982. Population structure in *Biomphalaria glabrata*: examination of an hypothesis for the patchy distribution of susceptibility to schistosomes. *American Journal of Tropical Medicine and Hygiene* 31:1195-1200.
- 0824 Smith, M.W., M.H. Smith, and R.K. Chesser. 1983. Biochemical genetics of mosquitofish. I. Environmental correlates, and temporal and spatial heterogeneity of allele frequencies within a river drainage. *Copeia* 1983:182-193.
- 0825 Smith, M.H., M.W. Smith, S.L. Scott, E.H. Liu, and J.C. Jones. 1983. Rapid evolution in a post-thermal environment. *Copeia* 1983:193-197.
- 0826 Vitt, L.J. and S.R. Goldberg. 1983. Reproductive ecology of two tropical iguanid lizards: *Tropidurus torquatus* and *Platynotus semitaeniatus*. *Copeia* 1983:131-141.
- 0827 Congdon, J.D., D.W. Tinkle, and P.C. Rosen. 1983. Egg components and utilization during development in aquatic turtles. *Copeia* 1983:264-268.
- 0828 Gerould, S., P. Landrum, and J.P. Giesy. 1983. Anthracene bioconcentration and biotransformation in chironomids: effects of temperature and concentration. *Environmental Pollution* 30A:175-188.
- 0829 Vangilder, L.D. and T.J. Peterle. 1983. Mallard egg quality: enhancement by low levels of petroleum and chlorinated hydrocarbons. *Bulletin of Environmental Contamination and Toxicology* 30:17-23.
- 0830 Baccus, R., N. Ryman, M.H. Smith, C. Reuterwall, and D. Cameron. 1983. Genetic variability and differentiation of large grazing mammals. *Journal of Mammalogy* 64:109-120.
- 0831 Lenarz, M.S. and W. Conley. 1982. Reproductive gambling in bighorn sheep (*Ovis*): a simulation. *Journal of Thermal Biology* 98:1-7.
- 0832 Vitt, L.J. 1982. Reproductive tactics of *Ameiva ameiva* (Lacertilia: Teiidae) in a seasonally fluctuating tropical habitat. *Canadian Journal of Zoology* 60:3113-3120.
- 0833 Cothran, E.G., R.K. Chesser, M.H. Smith, and P.E. Johns. 1983. Influences of genetic variability and maternal factors on fetal growth in white-tailed deer. *Evolution* 37:282-291.

- 0834 Chesser, R.K. 1983. Genetic variability within and among populations of the black-tailed prairie dog. *Evolution* 37:320-331.
- 0835 Murphy, P.G., R.R. Sharitz, and A.J. Murphy. 1977. Response of a forest ecotone to ionizing radiation. In The Enterprise, Wisconsin, Radiation Forest, edited by J. Zavitkovski. p. 43-48. Vol. TID-26113-P2. USERDA.
- 0836 Schubauer, J.P. and R.R. Parmenter. 1981. Winter feeding by aquatic turtles in a Southeastern reservoir. *Journal of Herpetology* 15:444-447.
- 0837 Good, B.J. and S.A. Whipple. 1982. Tree spatial patterns: South Carolina bottomland and swamp forests. *Bulletin of the Torrey Botanical Club* 109:529-536.
- 0838 Newman, M.C., A.W. McIntosh, and V.A. Greenhut. 1983. Geochemical factors complicating the use of *Aufwuchs* as a biomonitor for lead levels in two New Jersey reservoirs. *Water Research* 17:625-630.
- 0839 Vitt, L.J. 1983. Ecology of an anuran-eating guild of terrestrial tropical snakes. *Herpetologica* 39:52-66.
- 0840 Semlitsch, R.D. 1983. Growth and metamorphosis of larval red salamanders (*Pseudotriton ruber*) on the Coastal Plain of South Carolina. *Herpetologica* 39:48-52.
- 0841 Thorp, J.H. and R.K. Chesser. 1983. Seasonal responses of lentic midge assemblages to environmental gradients. *Holarctic Ecology* 6:123-132.
- 0842 Lackland, D.T., E.H. Liu, D.E. Koehler, and T. Chrzanowski. 1982. Cellulase activity as a measure of environmental perturbation in salt marsh ecosystems. *Botanica Marina* 25:143-148.
- 0843 Fontaine, T.D., III and D.G. Nigh. 1983. Characteristics of epiphyte communities on natural and artificial submersed lotic plants: substrate effects. *Archiv fuer Hydrobiologie* 96:293-301.
- 0844 Semlitsch, R.D. 1983. Burrowing ability and behavior of salamanders of the genus *Ambystoma*. *Canadian Journal of Zoology* 61:616-620.
- 0845 Adriano, D.C. and H.E. Doner. 1982. Bromine, chlorine and fluorine. In Methods of Soil Analysis, Part 2 - Chemical and Microbiological Properties, edited by A.L. Page, R.H. Miller, and D.R. Keeney. p. 449-483. ASA-SSSA, Inc. Madison, WI.

- 0846 Sharitz, R.R. and J.W. Gibbons. 1982. The ecology of southeastern shrub bogs (pocosins) and Carolina bays: A community profile. U.S. Fish and Wildlife Service, Division of Biological Services. FWS/OBS-82/04.
- 0847 Vitt, L.J. 1983. Reproduction and sexual dimorphism in the tropical teiid lizard *Cnemidophorus ocellifer*. *Copeia* 1983:359-366.
- 0848 Semlitsch, R.D. and C.A. West. 1983. Aspects of the life history and ecology of Webster's salamander, *Plethodon websteri*. *Copeia* 1983:339-346.
- 0849 Haddock, J.D., P.F. Landrum, and J.P. Giesy. 1983. Extraction efficiency of anthracene from sediments. *American Chemical Society* 55:1197-1200.
- 0850 Evans, D.W., J.J. Alberts, and R.A. Clark III. 1983. Reversible ion-exchange fixation of cesium-137 leading to immobilization from reservoir sediments. *Geochimica et Cosmochimica Acta* 47:1041-1049.
- 0851 Thorp, J.H. 1983. An evaluation of hypotheses on the evolutionary differentiation of catchnets in net-spinning caddisflies (*Hydropsychidae*). *Oikos* 40:308-312.
- 0852 Congdon, J.D., J.W. Gibbons, and J.L. Greene. 1983. Parental investment in the chicken turtle (*Deirochelys reticularia*). *Ecology* 64:419-425.
- 0853 Aho, J.M., J.W. Camp, and G.W. Esch. 1982. Long-term studies on the population biology of *Diplostomulum scheuringi* in a thermally altered reservoir. *Journal of Parasitology* 68:695-708.
- 0854 Babcock, M.F., D.W. Evans, and J.J. Alberts. 1983. Comparative uptake and translocation of trace elements from coal ash by *Typha latifolia*. *Science of the Total Environment* 28:203-214.
- 0855 Dunn, J.E. and I.L. Brisbin Jr. 1985. Characterizations of the multivariate Ornstein-Uhlenbeck diffusion process in the context of home range analysis. In Statistical Theory and Data Analysis, edited by K. Matusita. p. 181-205. Elsevier Science Publications.
- 0856 Smith, M.H., R.K. Chesser, E.G. Cothran, and P.E. Johns. 1982. Genetic variability and antler growth in a natural population of white-tailed deer. In Antler Development in Cervidae, edited by R.D. Brown. p. 365-387. Caesar Kleberg Wildlife Research Institute. Kingsville, TX.
- 0857 Fiala, K.L. and J.D. Congdon. 1983. Energetic consequences of sexual size dimorphism in nestling red-winged blackbirds. *Ecology* 64:642-647.
- 0858 Congdon, J.D. and J.W. Gibbons. 1983. Relationships of reproductive characteristics to body size in *Pseudemys scripta*. *Herpetologica* 39:147-151.

- 0859 Vitt, L.J. 1983. Tail loss in lizards: the significance of foraging and predator escape modes. *Herpetologica* 39:151-162.
- 0860 Ewel, K.C. and T.D. Fontaine III. 1983. Effects of white amur (*Ctenopharyngodon idella*) on a Florida lake: a model. *Ecological Modelling* 16:251-273.
- 0861 Ewel, K.C. and T.D. Fontaine III. 1983. Structure and function of a warm monomictic lake. *Ecological Modelling* 19:139-161.
- 0862 Cooper, W.E., Jr., C.S. Adams, and J.L. Dobie. 1983. Female color change in the keeled earless lizard, *Holbrookia propinqua*: relationship to the reproductive cycle. *Southwestern Naturalist* 28:275-280.
- 0863 Semlitsch, R.D. 1983. Structure and dynamics of two breeding populations of the eastern tiger salamander, *Ambystoma tigrinum*. *Copeia* 1983:608-616.
- 0864 Wickland, D.E. 1982. Patterns of vegetation response to heavy metal stress. p. 717-726. In International Symposium on Remote Sensing Environment, Second Thematic Conference, Remote Sensing for Exploration Geology, Fort Worth, TX.
- 0865 Brown, C.J. and I.L. Brisbin Jr. 1983. Genetic analysis of pariah cat populations from the southeastern United States. *Journal of Heredity* 74:344-348.
- 0866 Gibbons, J.W., J.L. Greene, and J.D. Congdon. 1983. Drought-related responses of aquatic turtle populations. *Journal of Herpetology* 17:242-246.
- 0867 Wood, A.M., D.W. Evans, and J.J. Alberts. 1983. Use of an ion exchange technique to measure copper complexing capacity on the continental shelf of the southeastern United States and in the Sargasso Sea. *Marine Chemistry* 13:305-326.
- 0868 Gibbons, J.W. 1983. Reproductive characteristics and ecology of the mud turtle, *Kinosternon subrubrum* (Lacepede). *Herpetologica* 39:254-271.
- 0869 Cooper, W.E., Jr., L.J. Vitt, L.D. Vangilder, and J.W. Gibbons. 1983. Natural nest sites and brooding behavior of *Eumeces fasciatus*. *Herpetological Review* 14:65-66.
- 0870 Carlson, D.C., A.J. Garrett, D.D. Gay, C.E. Murphy, and J.E. Pinder III. 1983. Comparison of simulated to actual plutonium deposition at the Savannah River Plant. In Precipitation Scavenging, Dry Deposition, and Resuspension, edited by H.R. Pruppacher, R.G. Semonin, and W.G.N. Slinn. p. 1121-1129. Vol. Volume 2. Elsevier Science Publishing, Inc. New York.

- 0871 Ribble, D.O. and M.H. Smith. 1983. Relative intestine length and feeding ecology of freshwater fishes. *Growth* 47:292-300.
- 0872 Leverage, G.J., P.F. Landrum, J.P. Giesy, and T. Fannin. 1983. Humic acids reduce bioaccumulation of some polycyclic aromatic hydrocarbons. *Canadian Journal of Fisheries and Aquatic Sciences* 40:63-69.
- 0873 Corey, J.C., A.L. Boni, J.R. Watts, D.C. Adriano, K.W. McLeod, and J.E. Pinder III. 1983. The relative importance of uptake and surface adherence in determining the radionuclide contents of subterranean crops. *Health Physics* 44:19-28.
- 0874 Newman, M.C. and A.W. McIntosh. 1983. Slow accumulation of lead from contaminated food sources by the freshwater gastropods, *Physa integra* and *Campeloma decisum*. *Archives of Environmental Contamination and Toxicology* 12:685-692.
- 0875 Lamb, T. 1983. On the problematic identification of *Kinosternon* (Testudines: Kinosternidae) in Georgia, with new state localities for *Kinosternon bauri*. *Georgia Journal of Science* 41:115-120.
- 0876 Novak, J.M. 1983. Multiple captures of *Peromyscus leucopus*: social behavior in a small rodent. *Journal of Mammalogy* 64:710-713.
- 0877 McLeod, K.W. and P.G. Murphy. 1983. Factors affecting growth of *Ptelea trifoliata* seedlings. *Canadian Journal of Botany* 61:2410-2415.
- 0878 Cothran, E.G. 1983. Morphologic relationships of the hybridizing ground squirrels *Spermophilus mexicanus* and *S. tridecemlineatus*. *Journal of Mammalogy* 64:591-602.
- 0879 Mayack, D.T. and J.S. Waterhouse. 1983. The effects of low concentrations of particulates from paper mill effluent on the macroinvertebrate community of a fast-flowing stream. *Hydrobiologia* 107:271-282.
- 0880 Congdon, J.D., D.W. Tinkle, G.L. Breitenbach, and R.C. van Loben Sels. 1983. Nesting ecology and hatching success in the turtle *Emydoidea blandingi*. *Herpetologica* 39:417-429.
- 0881 Cothran, E.G. and M.H. Smith. 1983. Chromosomal and genic divergence in mammals. *Systematic Zoology* 32:360-368.
- 0882 Lamb, T. 1983. The striped mud turtle (*Kinosternon bauri*) in South Carolina: a confirmation through multivariate character analysis. *Herpetologica* 39:383-390.

- 0883 Rice, J.A., J.E. Breck, S.M. Bartell, and J.F. Kitchell. 1983. Evaluating the constraints of temperature, activity and consumption on growth of largemouth bass. *Environmental Biology of Fishes* 9:263-275.
- 0884 Odum, E.P., J.E. Pinder III, and T.A. Christiansen. 1984. Nutrient losses from sandy soils during old-field succession. *The American Midland Naturalist* 111:148-154.
- 0885 Semlitsch, R.D. and G.B. Moran. 1984. Ecology of the redbelly snake (*Storeria occipitomaculata*) using mesic habitats in South Carolina. *The American Midland Naturalist* 111:33-40.
- 0886 Cooper, W.E. and L.J. Vitt. 1984. Detection of conspecific odors by the female broad-headed skink, *Eumeces laticeps*. *Journal of Experimental Zoology* 229:49-54.
- 0887 Giesy, J.P. and J.J. Alberts. 1984. Trace metal speciation: the interaction of metals with organic constituents of surface waters. p. 1-31. In The Effects of Trace Elements on Aquatic Ecosystems, Raleigh, NC.
- 0888 Cothran, E.G. and R.L. Honeycutt. 1984. Chromosomal differentiation of hybridizing ground squirrels (*Spermophilus mexicanus* and *S. tridecemlineatus*). *Journal of Mammalogy* 65:118-122.
- 0889 Brisbin, I.L., Jr. and M.S. Lenarz. 1984. Morphological comparisons of insular and mainland populations of southeastern white-tailed deer. *Journal of Mammalogy* 65:44-50.
- 0890 Breitenback, G.L., J.D. Congdon, and R.C. van Loben Sels. 1984. Winter temperatures of *Chrysemys picta* nests in Michigan: effects on hatchling survival. *Herpetologica* 40:76-81.
- 0891 Jensen, J.R., E.J. Christensen, and R.R. Sharitz. 1983. Mapping of thermally altered wetlands using high resolution multispectral scanner data. p. 318-336. In Renewable Resources Management - Applications of Remote Sensing, American Society of Photogrammetry. Falls Church, VA.
- 0892 Avery, H.W. and L.J. Vitt. 1984. How to get blood from a turtle. *Copeia* 1984:209-210.
- 0893 Vitt, L.J. and D.G. Blackburn. 1983. Reproduction in the lizard *Mabuya heathi* (Scincidae): a commentary on viviparity in new world *Mabuya*. *Canadian Journal of Zoology* 61:2798-2806.

- 0894 Feder, J.L., M.H. Smith, R.K. Chesser, M.J.W. Godt, and K. Asbury. 1984. Biochemical genetics of mosquitofish. II. Demographic differentiation of populations in a thermally altered reservoir. *Copeia* 1984:108-119.
- 0895 Landrum, P.F., S.M. Bartell, J.P. Giesy, G.J. Leversee, J.W. Bowling, J. Haddock, K. LaGory, S. Gerould, and M. Bruno. 1984. Fate of anthracene in an artificial stream: a case study. *Ecotoxicology and Environmental Safety* 8:183-201.
- 0896 Seigel, R.A. and H.S. Fitch. 1984. Ecological patterns of relative clutch mass in snakes. *Oecologia* 61:293-301.
- 0897 Fontaine, T.D., III. 1984. A non-equilibrium approach to modeling metal speciation in acid, aquatic systems: theory and process equations. *Ecological Modelling* 21:287-313.
- 0898 McAuliffe, J.R. and D.H. Bennett. 1981. Observations on the spawning habits of the yellowfin shiner, *Notropis lutipinnis*. *Journal of the Elisha Mitchell Scientific Society* 97:200-203.
- 0899 McLeod, K.W., J.J. Alberts, D.C. Adriano, and J.E. Pinder III. 1984. Plutonium contents of broadleaf vegetable crops grown near a nuclear fuel chemical separations facility. *Health Physics* 46:261-267.
- 0900 Fontaine, T.D., III. 1984. A non-equilibrium approach to modeling toxic metal speciation in acid, aquatic systems. *Ecological Modelling* 22:85-100.
- 0901 Fontaine, T.D., III. 1984. Application of risk and uncertainty analysis techniques to a heavy metal speciation model. *Ecological Modelling* 22:101-108.
- 0902 Lamb, T. 1984. The influence of sex and breeding condition on microhabitat selection and diet in the pig frog *Rana grylio*. *The American Midland Naturalist* 111:311-318.
- 0903 Cooper, W.E., Jr. and L.J. Vitt. 1984. Conspecific odor detection by the male broad-headed skink, *Eumeces laticeps*: effects of sex and site of odor source and of male reproductive condition. *Journal of Experimental Zoology* 230:199-209.
- 0904 McLeod, K.W., J.E. Pinder III, and J.R. Watts. 1984. Contribution of a nuclear fuel chemical separations facility to the plutonium content of a tobacco crop. *Health Physics* 46:1205-1211.
- 0905 Gatten, R.E., Jr., J.P. Caldwell, and M.E. Stockard. 1984. Anaerobic metabolism during intense swimming by anuran larvae. *Herpetologica* 40:164-169.

- 0906 Stribling, H.L., I.L. Brisbin Jr., J.R. Sweeney, and L.A. Stribling. 1984. Body fat reserves and their prediction in two populations of feral swine. *Journal of Wildlife Management* 48:635-639.
- 0907 Block, C.J., J.R. Spotila, E.A. Standora, and J.W. Gibbons. 1984. Behavioral thermoregulation of largemouth bass, *Micropterus salmoides*, and bluegill, *Lepomis macrochirus*, in a nuclear reactor cooling reservoir. *Environmental Biology of Fishes* 11:41-52.
- 0908 Morreale, S.J., J.W. Gibbons, and J.D. Congdon. 1984. Significance of activity and movement in the yellow-bellied slider turtle (*Pseudemys scripta*). *Canadian Journal of Zoology* 62:1038-1042.
- 0909 Jensen, J.R., E.J. Christensen, and R.R. Sharitz. 1984. Nontidal wetland mapping in South Carolina using airborne multispectral scanner data. *Remote Sensing of Environment* 16:1-12.
- 0910 Smith, M.W., W.R. Teska, and M.H. Smith. 1984. Food as a limiting factor and selective agent for genic heterozygosity in the cotton mouse *Peromyscus gossypinus*. *The American Midland Naturalist* 112:110-118.
- 0911 Spotila, J.R., R.E. Foley, J.P. Schubauer, R.D. Semlitsch, K.M. Crawford, E.A. Standora, and J.W. Gibbons. 1984. Opportunistic behavioral thermoregulation of turtles, *Pseudemys scripta*, in response to microclimatology of a nuclear reactor cooling reservoir. *Herpetologica* 40:299-308.
- 0912 Blackburn, D.G., L.J. Vitt, and C.A. Beuchat. 1984. Eutherian-like reproductive specializations in a viviparous reptile. *Proceedings of the National Academy of Science* 81:4860-4863.
- 0913 Wells, C.G., K.W. McLeod, C.E. Murphy, J.R. Jensen, J.C. Corey, W.H. McKee, and E.J. Christensen. 1984. Response of loblolly pine plantations to two sources of sewage sludge. p. 1-10. In TAPPI Resource Development Conference, Technical Association of the Pulp Paper Industry. Appleton, WI.
- 0914 Howell, F.G. and R.D. Ellender. 1984. Observations on growth and diet of *Argiope aurantia* Lucas (Araneidae) in a successional habitat. *Journal of Arachnology* 12:29-36.
- 0915 Thorp, J.H. and M.L. Cothran. 1984. Regulation of freshwater community structure at multiple intensities of dragonfly predation. *Ecology* 65:1546-1555.
- 0916 Chesser, R.K., M.W. Smith, and M.H. Smith. 1984. Biochemical genetics of mosquitofish. III. Incidence and significance of multiple insemination. *Genetica* 64:77-81.

- 0917 Blackburn, D.G., L.J. Vitt, and C.A. Beuchat. 1984. Eutherian-like reproductive specializations in a viviparous reptile. *Proceedings of the National Academy of Science* 81:4860-4863.
- 0918 Dolan, R.W. 1984. The effect of seed size and maternal source on individual size in a population of *Ludwigia leptocarpa* (Onagraceae). *American Journal of Botany* 71:1302-1307.
- 0919 Lesniak, A.P. and E.H. Liu. 1984. A solid-phase radio-binding assay for the characterization of lectin recognition. *Analytical Biochemistry* 142:140-147.
- 0920 Adriano, D.C., K.W. McLeod, and T.G. Ciravolo. 1984. Long-term root uptake of radiocesium by several crops. *Journal of Plant Nutrition* 7:1415-1432.
- 0921 Mulvey, M. and R.C. Vrijenhoek. 1984. Genetics of *Biomphalaria glabrata*: linkage analysis and crossing compatibilities among laboratory strains. *Malacologia* 25:513-524.
- 0922 Fitch, H.S. and R.A. Seigel. 1984. Ecological and taxonomic notes on Nicaraguan anoles. *Milwaukee Public Museum Contributions in Biology and Geology* 57:1-13.
- 0923 Adriano, D.C., G.L. Mills, J.L. Alfrey, and R.J. Hart. 1984. Fate and behavior of an organo-borate in the soil-plant system. p. 759-764. In Proceedings of the International Conference on Environmental Contamination, CEP Consultants, Ltd. Edinburgh, UK.
- 0924 Kovacic, D.A., T.V. St. John, and M.I. Dyer. 1984. Lack of vesicular-arbuscular mycorrhizal inoculum in a ponderosa pine forest. *Ecology* 65:1755-1759.
- 0925 Pinder, J.E., III, K.W. McLeod, J.J. Alberts, and D.C. Adriano. 1984. Uptake of ²⁴⁴Cm, ²³⁸Pu and other radionuclides by trees inhabiting a contaminated flood plain. *Health Physics* 47:375-384.
- 0926 Hoppe, K.M., P.E. Johns, and M.H. Smith. 1984. Biochemical variability in a population of beaver. *Journal of Mammalogy* 65:673-675.
- 0927 Alberts, J.J., J.P. Giesy, and D.W. Evans. 1984. Distribution of dissolved organic carbon and metal-binding capacity among ultrafilterable fractions isolated from selected surface waters of the southeastern United States. *Environmental Geology and Water Sciences* 6:91-101.
- 0928 Sibley, T.H. and J.J. Alberts. 1984. Adsorption of curium-244: effects of dissolved organics and sediment extractions. *Journal of Environmental Quality* 13:553-556.

- 0929 Smith, L.M., I.L. Brisbin Jr., and G.C. White. 1984. An evaluation of total trapline captures as estimates of furbearer abundance. *Journal of Wildlife Management* 48:1452-1455.
- 0930 Scribner, K.T., M.H. Smith, and J.W. Gibbons. 1984. Genetic differentiation among local populations of the yellow-bellied slider turtle (*Pseudemys scripta*). *Herpetologica* 40:382-387.
- 0931 Lamb, T. 1984. Amplexus displacement in the southern toad, *Bufo terrestris*. *Copeia* 1984:1023-1025.
- 0932 Janssen, J. and J.P. Giesy. 1984. A thermal effluent as a sporadic cornucopia: effects on fish and zooplankton. *Environmental Biology of Fishes* 11:191-203.
- 0933 Cooper, W.E., Jr. 1984. Female secondary sexual coloration and sex recognition in the keeled earless lizard, *Holbrookia propinqua*. *Animal Behaviour* 32:1142-1150.
- 0934 Donovan, L.A. and J.L. Gallagher. 1984. Anaerobic substrate tolerance in *Sporobolus virginicus* (L.) Kunth. *American Journal of Botany* 71:1424-1431.
- 0935 Lampert, W. and B.E. Taylor. 1985. Zooplankton grazing in a eutrophic lake: implications of diel vertical migration. *Ecology* 66:68-82.
- 0936 Smith, L.M. and J.A. Kadlec. 1985. Fire and herbivory in a Great Salt Lake marsh. *Ecology* 66:259-265.
- 0937 Dolan, R.W. and R.R. Sharitz. 1984. Population dynamics of *Ludwigia leptocarpa* (Onagraceae) and some factors affecting size hierarchies in a natural population. *Journal of Ecology* 72:1031-1041.
- 0938 Gladden, J.B., K.L. Brown, M.H. Smith, and A. Towns. 1985. Distribution of exposure rates in a reactor effluent stream flood plain system. *Health Physics* 48:49-59.
- 0939 Wooten, M.C. and M.H. Smith. 1985. Large mammals are genetically less variable? *Evolution* 39:210-212.
- 0940 Thorp, J.H., E.M. McEwan, M.F. Flynn, and F.R. Hauer. 1985. Invertebrate colonization of submerged wood in a cypress-tupelo swamp and blackwater stream. *The American Midland Naturalist* 113:56-68.
- 0941 Huenneke, L.F. 1985. Spatial distribution of genetic individuals in thickets of *Alnus incana* ssp. *rugosa*, a clonal shrub. *American Journal of Botany* 72:152-158.

- 0942 Sharitz, R.R., D.C. Adriano, J.E. Pinder III, J.C. Luvall, and T.G. Ciravolo. 1984. Growth and mineral nutrition of cattails inhabiting a thermally-graded South Carolina reservoir. I. Growth and the macronutrients. *Journal of Plant Nutrition* 7:1671-1698.
- 0943 Adriano, D.C., R.R. Sharitz, T.G. Ciravolo, J.C. Luvall, and S.A. Harding. 1984. Growth and mineral nutrition of cattails inhabiting a thermally-graded South Carolina reservoir. II. The micronutrients. *Journal of Plant Nutrition* 7:1699-1716.
- 0944 Henry, R.L., III. 1985. The impact of zooplankton size structure on phosphorus cycling in field enclosures. *Hydrobiologia* 120:3-9.
- 0945 Kennedy, P.K., M.L. Kennedy, and M.H. Smith. 1985. Microgeographic genetic organization of populations of largemouth bass and two other species in a reservoir. *Copeia* 1985:118-125.
- 0946 Semlitsch, R.D. and J.H.K. Pechmann. 1985. Diel pattern of migratory activity for several species of pond-breeding salamanders. *Copeia* 1985:89-91.
- 0947 Vitt, L.J. and R.A. Seigel. 1985. Life history traits of lizards and snakes. *The American Naturalist* 125:480-484.
- 0948 Johns, P.E., E.G. Cothran, M.H. Smith, and R.K. Chesser. 1982. Fat levels in male white-tailed deer during the breeding season. *Proceedings of the Annual Conference of Southeastern Association of Fish and Wildlife Agencies* 36:454-462.
- 0949 Johns, P.E., M.H. Smith, and R.K. Chesser. 1984. Annual cycle of the kidney fat index in a Southeastern white-tailed deer herd. *Journal of Wildlife Management* 48:969-973.
- 0950 Semlitsch, R.D. 1985. Reproductive strategy of a facultatively paedomorphic salamander *Ambystoma talpoideum*. *Oecologia (Berl.)* 65:305-313.
- 0951 McClenaghan, L.R., Jr., M.H. Smith, and M.W. Smith. 1985. Biochemical genetics of mosquitofish. IV. Changes of allele frequencies through time and space. *Evolution* 39:451-460.
- 0952 Pott, D.B., J.J. Alberts, and A.W. Elzerman. 1985. The influence of pH on the binding capacity and conditional stability constants of aluminum and naturally-occurring organic matter. *Chemical Geology* 48:293-304.
- 0953 Dunson, W.A. and J. Freda. 1985. Water permeability of the skin of the amphibious snake, *Agkistrodon piscivorus*. *Journal of Herpetology* 19:93-98.

- 0954 Alberts, J.J. and T.J. Dickson. 1985. Organic carbon and cation associations in humic material from pond water and sediment. *Organic Geochemistry* 8:55-64.
- 0955 Liu, E.H., M.H. Smith, M.J.W. Godt, R.K. Chesser, A.K. Lethco, and D.J. Henzler. 1985. Enzyme levels in natural mosquitofish populations. *Physiological Zoology* 58:242-252.
- 0956 Stangel, P.W. 1984. Incomplete first prebasic mold of Massachusetts house finches. *Journal of Field Ornithology* 56:1-8.
- 0957 Smith, M.H., R. Baccus, H.O. Hillestad, and M.N. Manlove. 1984. Population genetics. In White-Tailed Deer, edited by L.K. Halls. p. 119-134. Stackpole Books. New York.
- 0958 Adriano, D.C. 1985. Sources, essentiality and biogeochemical cycling of trace elements. In New Results in the Research of Barely Known Trace Elements, edited by I. Pais. p. 261-299.
- 0959 Brisbin, I.L., Jr. 1982. Reproductive potency of an aged male wood duck. *Oriole* 47:15-16.
- 0960 Semlitsch, R.D. 1985. Analysis of climatic factors influencing migrations of the salamander *Ambystoma talpoideum*. *Copeia* 1985:477-489.
- 0961 Loehle, C. 1985. Optimal stocking for semi-desert range: a catastrophe theory model. *Ecological Modelling* 27:285-297.
- 0962 Congdon, J.D. and J.W. Gibbons. 1985. Egg components and reproductive characteristics of turtles: Relationships to body size. *Herpetologica* 41:194-205.
- 0963 Vitt, L.J. and W.E. Cooper Jr. 1985. The evolution of sexual dimorphism in the skink *Eumeces laticeps*: an example of sexual selection. *Canadian Journal of Zoology* 63:995-1002.
- 0964 Semlitsch, R.D. 1983. Terrestrial movements of an Eastern tiger salamander, *Ambystoma tigrinum*. *Herpetological Review* 14:112-113.
- 0965 Cooper, W.E., Jr., C. Caffrey, and L.J. Vitt. 1985. Diel activity patterns in the banded gecko, *Coleonyx variegatus*. *Journal of Herpetology* 19:308-311.
- 0966 Vitt, L.J., J.M. Howland, and A.E. Dunham. 1985. The effect of formalin fixation on weight of lizard eggs. *Journal of Herpetology* 19:298-299.
- 0967 Anderson, C.S. 1985. The structure of sculpin populations along a stream size gradient. *Environmental Biology of Fishes* 13:93-102.

- 0968 Tolliver, D.K., M.H. Smith, and R.H. Leftwich. 1985. Genetic variability in insectivora. *Journal of Mammalogy* 68:405-410.
- 0969 Ryder, O.A., A.T. Bowling, P.C. Brisbin, P.M. Carroll, I.K. Gadi, S.K. Hansen, and E.A. Wedemeyer. 1984. Genetics of *Equus przewalskii* Poliakov, 1881: analysis of genetic variability in breeding lines, comparison of equid DNAs, and a brief description of a cooperative breeding program in North America. *Equus* 2:207-227.
- 0970 Cothran, M.L. and J.H. Thorp. 1985. Tests of prey preference and switching behavior of the dragonfly *Celithemis fasciata*. *Oikos* 44:350-355.
- 0971 Seigel, R.A. and H.S. Fitch. 1985. Annual variation in reproduction in snakes in a fluctuating environment. *Journal of Animal Ecology* 54:497-505.
- 0972 Semlitsch, R.D. and J.W. Gibbons. 1985. Phenotypic variation in metamorphosis and paedomorphosis in the salamander *Ambystoma talpoideum*. *Ecology* 66:1123-1130.
- 0973 Vangilder, L.D. and L.M. Smith. 1985. Differential distribution of wintering brant by necklace type. *Auk* 102:645-647.
- 0974 Mitz, S.V. and J.P. Giesy. 1985. Sewage effluent biomonitoring. I. Survival, growth, and histopathological effects in channel catfish. *Ecotoxicology and Environmental Safety* 10:22-39.
- 0975 Mitz, S.V. and J.P. Giesy. 1985. Sewage effluent biomonitoring. II. Biochemical indicators of ammonia exposure in channel catfish. *Ecotoxicology and Environmental Safety* 10:40-52.
- 0976 Newman, M.C., J.J. Alberts, and V.A. Greenhut. 1985. Geochemical factors complicating the use of *Aufwuchs* to monitor bioaccumulation of arsenic, cadmium, chromium, copper and zinc. *Water Research* 19:1157-1165.
- 0977 Brewbaker, J.L., C. Nagai, and E.H. Liu. 1985. Genetic polymorphisms of 13 maize peroxidases. *Journal of Heredity* 76:159-167.
- 0978 Tolliver, D.K., M.H. Smith, P.E. Johns, and M.W. Smith. 1985. Low levels of genetic variability in pikas from Colorado. *Canadian Journal of Zoology* 63:1735-1737.
- 0979 Brown, K.L. 1985. Demographic and genetic characteristics of dispersal in the mosquitofish, *Gambusia affinis* (Pisces: Poeciliidae). *Copeia* 1985:597-612.

- 0980 Licht, P., G.L. Breitenbach, and J.D. Congdon. 1985. Seasonal cycles in testicular activity, gonadotropin, and thyroxine in the painted turtle, *Chrysemys picta*, under natural conditions. *General and Comparable Endocrinology* 59:130-139.
- 0981 Robbins, L.W., M.H. Smith, M.C. Wooten, and R.K. Selander. 1985. Biochemical polymorphism and its relationship to chromosomal and morphological variation in *Peromyscus leucopus* and *Peromyscus gossypinus*. *Journal of Mammalogy* 66:498-510.
- 0982 Cooper, W.E., Jr. 1985. Female residency and courtship intensity in a territorial lizard, *Holbrookia propinqua*. *Amphibia-Reptilia* 6:63-69.
- 0983 Bagshaw, C. and I.L. Brisbin Jr. 1984. Long-term declines in radiocesium of two sympatric snake populations. *Journal of Applied Ecology* 21:407-413.
- 0984 Cooper, W.E., Jr., C. Caffrey, and L.J. Vitt. 1985. Aggregation in the banded gecko, *Coleonyx variegatus*. *Herpetologica* 41:342-350.
- 0985 Sharitz, R.R. and L.C. Lee. 1985. Limits on regeneration processes in southeastern riverine wetlands. In: *Riparian Ecosystems and Their Management: Reconciling Conflicting Uses*. U.S. Forest Service. General Technical Report. RM-120.
- 0986 Sharitz, R.R. and L.C. Lee. 1985. Recovery processes in southeastern riverine wetlands. In: *Riparian Ecosystems and Their Management: Reconciling Conflicting Uses*. U.S. Forest Service. General Technical Report. RM-120.
- 0987 Diggins, M.R. and J.H. Thorp. 1985. Winter-spring depth distribution of Chironomidae in a southeastern reservoir. *Freshwater Invertebrate Biology* 4:8-21.
- 0988 Alberts, J.J., M.C. Newman, and D.W. Evans. 1985. Seasonal variations of trace elements in dissolved and suspended loads for coal ash ponds and pond effluents. *Water Air and Soil Pollution* 26:111-128.
- 0989 Woodruff, D.S., M. Mulvey, and M.W. Yipp. 1985. Population genetics of *Biomphalaria straminea* in Hong Kong. *Journal of Heredity* 76:355-360.
- 0990 Scribner, K.T., M.C. Wooten, M.H. Smith, and P.E. Johns. 1985. Demographic and genetic characteristics of white-tailed deer populations subjected to still or dog hunting. In *Game Harvest Management*, p. 197-212.
- 0991 Pinder, J.E. and A.C. Doswell. 1985. Retention of ²³⁸Pu-bearing particles by corn plants. *Health Physics* 49:771-776.

- 0992 Loehle, C. 1985. Hirata's stability analysis refuted. *International Journal of Systems Science* 16:1451-1452.
- 0993 Vitt, L.J. and W.E. Cooper Jr. 1985. The relationship between reproduction and lipid cycling in the skink *Eumeces laticeps* with comments on brooding ecology. *Herpetologica* 41:419-432.
- 0994 Kovacic, D.A., M.I. Dyer, and A.T. Cringan. 1985. Understory biomass in ponderosa pine following mountain pine beetle infestation. *Forest Ecology and Management* 13:53-67.
- 0995 McArthur, J.V., M.E. Gurtz, C.M. Tate, and F.S. Gilliam. 1985. The interaction of biological and hydrological phenomena that mediate the qualities of water draining native tallgrass prairie on the Konza Prairie Research Natural Area. p. 478-482. In Proceedings from the National Conference on Perspectives on Nonpoint Source Pollution, Report 44015-85-001, U.S. Environmental Protection Agency, Office of Water Regulations & Standards. Washington, DC.
- 0996 Smith, L.M., L.D. Vangilder, and R.A. Kenamer. 1985. Foods of wintering Brant in eastern North America. *Journal of Field Ornithology* 56:286-289.
- 0997 Mulvey, M. and D.S. Woodruff. 1985. Genetics of *Biomphalaria glabrata*: linkage analysis of genes for pigmentation, enzymes, and resistance to *Schistosoma mansoni*. *Biochemical Genetics* 22:877-887.
- 0998 Cooper, W.E., Jr. and L.J. Vitt. 1985. Responses of the skinks, *Eumeces fasciatus* and *E. laticeps* to airborne conspecific odors: further appraisal. *Journal of Herpetology* 19:481-486.
- 0999 Lamb, T. and J.D. Congdon. 1985. Ash content: relationships to flexible and rigid eggshell types of turtles. *Journal of Herpetology* 19:527-530.
- 1000 Pinder, J.E., III, K.W. McLeod, J.R. Simmonds, and G.S. Linsley. 1985. Normalized specific activities for Pu deposition onto foliage. *Health Physics* 49:1280-1283.
- 1001 Snider, R.J. 1985. *Dicyrtoma (Ptenothrix) renatae*, new species from the Savannah River Plant and Georgia (Collembola: Dicyrtominae). *Florida Entomologist* 68:561-566.
- 1002 Snider, R.J. 1985. *Vesicephalus Crossleyi*, new species from the Savannah River Plant and Georgia (Collembola: Sminthuridae). *Florida Entomologist* 68:567-574.
- 1003 Snider, R.J. 1985. *Sminthurus bivittatus*, new species from the Southeastern United States (Collembola: Sminthuridae). *Florida Entomologist* 68:574-582.

- 1004 Snider, R.J. 1985. *Dicyrtoma (Ptenothrix) castanea*, new species from the Savannah River Plant (Collembola: Dicyrtominae). Florida Entomologist 68:582-587.
- 1005 Meffe, G.K. 1985. Life history patterns of *Gambusia marshi* (Poeciliidae) from Cuatro Ciénegas, Mexico. Copeia 1985:898-905.
- 1006 Semlitsch, R.D. 1986. Life history of the northern mole cricket, *Neocurtilla hexadactyla* (Orthoptera: Gryllotalpidae), utilizing Carolina-bay habitats. Annals of the Entomological Society of America 79:256-261.
- 1007 Congdon, J.D., J.L. Greene, and J.W. Gibbons. 1986. Biomass of freshwater turtles: A geographic comparison. The American Midland Naturalist 115:165-173.
- 1008 Caldwell, J.P. 1986. Selection of egg deposition sites: a seasonal shift in the southern leopard frog, *Rana sphenocephala*. Copeia 1986:249-253.
- 1009 Vangilder, L.D., L.M. Smith, and R.K. Lawrence. 1986. Nutrient reserves of premigratory Brant during spring. The Auk 103:237-241.
- 1010 Donovan, L.A. and K.W. McLeod. 1985. Morphological and root carbohydrate responses of bald cypress to water level and water temperature regimes. Journal of Thermal Biology 10:227-232.
- 1011 Cooper, W.E., Jr. and L.J. Vitt. 1985. Blue tails and autonomy: enhancement of predation avoidance in juvenile skinks. Zeitschrift fuer Tierpsychologie 70:265-276.
- 1012 Monk, C.D. and F.C. Gabrielson Jr. 1985. Effects of shade, litter and root competition on old-field vegetation in South Carolina. Bulletin of the Torrey Botanical Club 112:383-392.
- 1013 Taylor, B.E. 1985. Effects of food limitation on growth and reproduction of *Daphnia*. Archiv fuer Hydrobiologie Beihefte, Ergebnisse der Limnologie 21:285-296.
- 1014 Meffe, G.K. 1986. Conservation genetics and the management of endangered fishes. Fisheries 11:14-23.
- 1015 Kovacic, D.A., D.M. Swift, J.E. Ellis, and T.E. Hakonson. 1986. Immediate effects of prescribed burning on mineral soil nitrogen in ponderosa pine of New Mexico. Soil Science 141:71-76.

- 1016 Smith, M.H., W.V. Branan, R.L. Marchinton, P.E. Johns, and M.C. Wooten. 1986. Genetic and morphologic comparisons of red brocket, brown brocket, and white-tailed deer. *Journal of Mammalogy* 67:103-111.
- 1017 Coulter, M.C. 1986. Assortative mating and sexual dimorphism in the Common Tern. *The Wilson Bulletin* 98:93-100.
- 1018 Seigel, R.A. 1986. Ecology and conservation of an endangered rattlesnake, *Sistrurus catenatus*, in Missouri, USA. *Biological Conservation* 35:333-346.
- 1019 Gibbons, J.W. 1986. Movement patterns among turtle populations: Applicability to management of the desert tortoise. *Herpetologica* 42:104-113.
- 1020 Coulter, M.C., L. Bryan, J. Comer, L. Huff, S. Jewell, W. Lee, and L. McAllister. 1984. Notes on Wood Storks in east-central Georgia. *Oriole* 49:69-70.
- 1021 Knight, J.L. 1986. Variation in snout morphology in the North American snake *Pituophis melanoleucus* (Serpentes: Colubridae). *Journal of Herpetology* 20:77-79.
- 1022 Vitt, L.J. and W.E. Cooper Jr. 1986. Skink reproduction and sexual dimorphism: *Eumeces fasciatus* in the southeastern United States, with notes on *Eumeces inexpectatus*. *Journal of Herpetology* 20:65-76.
- 1023 Scribner, K.T. and R.J. Warren. 1986. Electrophoretic and morphologic comparisons of *Sylvilagus floridanus* and *S. audubonii* in Texas. *Southwestern Naturalist* 31:65-71.
- 1024 Lamb, T. and J.C. Avise. 1986. Directional introgression of mitochondrial DNA in a hybrid population of tree frogs: the influence of mating behavior. *Proceedings of the National Academy of Science* 83:2526-2530.
- 1025 Huenneke, L.F. and R.R. Sharitz. 1986. Microsite abundance and distribution of woody seedlings in a South Carolina cypress-tupelo swamp. *The American Midland Naturalist* 115:328-335.
- 1026 Cooper, W.E. and L.J. Vitt. 1986. Interspecific odour discrimination by a lizard (*Eumeces laticeps*). *Animal Behaviour* 34:367-376.
- 1027 Adriano, D.C., K.W. McLeod, and T.G. Ciravolo. 1986. Long-term availability of Cm and Pu to crop plants. *Health Physics* 50:647-651.
- 1028 Martin, C.E., K.W. McLeod, C.A. Eades, and A.F. Pitzer. 1985. Morphological and physiological responses to irradiance in the CAM epiphyte *Tillandsia usneoides* L. (Bromeliaceae). *Botanical Gazette* 146:489-494.

- 1029 Stribling, H.L., I.L. Brisbin Jr., and J.R. Sweeney. 1986. Portable counter calibration adjustments required to monitor feral swine radiocesium levels. *Health Physics* 50:663-665.
- 1030 Scott, M.L. and P.G. Murphy. 1986. Origin and composition of old-growth cedar-hardwood stand: the role of dune activity. *Michigan Botanist* 25:57-66.
- 1031 Cooper, W.E., Jr. and L.J. Vitt. 1986. Thermal dependence of tongue-flicking and comments on the use of tongue-flicking as an index of squamate behavior. *Ethology* 71:177-186.
- 1032 Cooper, W.E., Jr. and L.J. Vitt. 1986. Tracking of female conspecific odor trails by male broad-headed skinks (*Eumeces laticeps*). *Ethology* 71:242-248.
- 1033 Cooper, W.E., Jr., M.T. Mendonca, and L.J. Vitt. 1986. Induction of sexual receptivity in the female broad-headed skink, *Eumeces laticeps* by estradiol-17. *Hormones and Behavior* 20:235-242.
- 1034 Ford, N.B. and M.L. O'Bleness. 1986. Species and sexual specificity of pheromone trails of the garter snake, *Thamnophis marcianus*. *Journal of Herpetology* 20:259-262.
- 1035 Mayer, J.J. and R.M. Wetzel. 1986. *Catagonus wagneri*. *Mammalian Species* 259:1-5.
- 1036 Bergan, J.F. and L.M. Smith. 1986. Food robbery of wintering Ring-necked Ducks by American Coots. *The Wilson Bulletin* 98:306-308.
- 1037 Seigel, R.A., H.S. Fitch, and N.B. Ford. 1986. Variation in relative clutch mass in snakes among and within species. *Herpetologica* 42:179-185.
- 1038 Stangel, P.W. 1986. Lack of effects from sampling blood from small birds. *The Condor* 88:244-245.
- 1039 Lampert, W., W. Fleckner, H. Rai, and B.E. Taylor. 1986. Phytoplankton control by grazing zooplankton: a study on the spring clear-water phase. *Limnology and Oceanography* 31:478-490.
- 1040 Donovan, L.A. and J.L. Gallagher. 1985. Morphological responses of a marsh grass, *Sporobolus virginicus* (L.) Kunth, to saline and anaerobic stresses. *Wetlands* 5:1-13.
- 1041 Scott, M.L., R.R. Sharitz, and L.C. Lee. 1985. Disturbance in a cypress-tupelo wetland: an interaction between thermal loading and hydrology. *Wetlands* 5:53-68.

- 1042 Lee, L.C., T.M. Hinckley, and M.L. Scott. 1985. Plant water status relationships among major floodplain sites of the Flathead River, Montana. *Wetlands* 5:15-34.
- 1043 Hoppe, R.T., L.M. Smith, and D.B. Wester. 1986. Foods of wintering diving ducks in South Carolina. *Journal of Field Ornithology* 57:126-134.
- 1044 Scribner, K.T., J.E. Evans, S.J. Morreale, M.H. Smith, and J.W. Gibbons. 1986. Genetic divergence among populations of the yellow-bellied slider turtle (*Pseudemys scripta*) separated by aquatic and terrestrial habitats. *Copeia* 1986:691-700.
- 1045 Kennedy, C.R., A.O. Bush, and J.M. Aho. 1986. Patterns in helminth communities: why are birds and fish different? *Parasitology* 93:205-215.
- 1046 Stribling, H.L., I.L. Brisbin Jr., and J.R. Sweeney. 1986. Radiocesium concentrations in two populations of feral hogs. *Health Physics* 50:852-854.
- 1047 McArthur, J.V. and G.R. Marzolf. 1986. Interactions of the bacterial assemblages of a prairie stream with dissolved organic carbon from riparian vegetation. *Hydrobiologia* 134:193-199.
- 1048 Hepp, G.R. 1986. Effects of body weight and age on the time of pairing of American black ducks. *The Auk* 103:477-484.
- 1049 Schneider, R.L. and R.R. Sharitz. 1986. Seed bank dynamics in a southeastern riverine swamp. *American Journal of Botany* 73:1022-1030.
- 1050 Vitt, L.J. and W.E. Cooper Jr. 1986. Tail loss, tail color and predator escape in *Eumeces* (Lacertilia: Scincidae): age-specific differences in costs and benefits. *Canadian Journal of Zoology* 64:583-592.
- 1051 Pechmann, J.H.K. and R.D. Semlitsch. 1986. Diel activity patterns in the breeding migrations of winter-breeding anurans. *Canadian Journal of Zoology* 64:1116-1120.
- 1052 Brisbin, I.L., Jr., G.C. White, and P.B. Bush. 1986. PCB intake and the growth of waterfowl: multivariate analyses based on a reparameterized Richards sigmoid model. *Growth* 50:1-11.
- 1053 Brisbin, I.L., Jr., G.C. White, P.B. Bush, and L.A. Mayack. 1986. Sigmoid growth analyses of wood ducks: the effects of sex, dietary protein and cadmium on parameters of the Richards model. *Growth* 50:41-50.
- 1054 Meffe, G.K. 1986. Cannibalism, food availability, and reproduction in mosquitofish: a critique. *The American Naturalist* 127:897-901.

- 1055 Scribner, K.T., M.H. Smith, and P.E. Johns. 1984. Age, condition, and genetic effects on incidence of spike bucks. *Proceedings of the Annual Conference of Southeastern Association of Fish and Wildlife Agencies* 38:23-32.
- 1056 Cooper, W.E., Jr. and L.J. Vitt. 1986. Interspecific odour discriminations among syntopic congeners in scincid lizards (genus *Eumeces*). *Behaviour* 97:1-9.
- 1057 Vitt, L.J. 1986. Reproductive tactics of sympatric gekkonid lizards with a comment on the evolutionary and ecological consequences of invariant clutch size. *Copeia* 1986:773-786.
- 1058 Loehle, C. 1986. Phototropism of whole trees: effects of habitat and growth form. *The American Midland Naturalist* 116:190-196.
- 1059 Hoppe, R.T. and R.A. Kennamer. 1986. Little Blue Herons nesting among cattails. *The Wilson Bulletin* 98:482-483.
- 1060 Neufeld, H.S. 1986. Ecophysiological implications of tree architecture for two cypress taxa, *Taxodium distichum* (L.) Rich. and *T. ascendens*. *Bulletin of the Torrey Botanical Club* 113:118-124.
- 1061 Dunn, C.P. 1986. Shrub layer response to death of *Ulmus americana* in a southeastern Wisconsin lowland forests. *Bulletin of the Torrey Botanical Club* 113:142-148.
- 1062 Mendonca, M.T. and P.C.H. Pritchard. 1986. Offshore movements of post-nesting Kemp's ridley sea turtles (*Lepidochelys kempi*). *Herpetologica* 42:373-381.
- 1063 Vitt, L.J. and W.E. Cooper Jr. 1986. Foraging and diet of a diurnal predator (*Eumeces laticeps*) feeding on hidden prey. *Journal of Herpetology* 20:408-415.
- 1064 Cooper, W.E., Jr., W.R. Garstka, and L.J. Vitt. 1986. Female sex pheromone in the lizard *Eumeces laticeps*. *Herpetologica* 42:361-366.
- 1065 Alberts, J.J., J.E. Halverson, and K.A. Orlandini. 1986. The distribution of plutonium, americium and curium isotopes in pond and stream sediments of the Savannah River Plant, South Carolina, USA. *Journal of Environmental Radioactivity* 3:249-271.
- 1066 Bermingham, E., T. Lamb, and J.C. Avise. 1986. Size polymorphism and heteroplasmy in the mitochondrial DNA of lower vertebrates. *Journal of Heredity* 77:249-252.
- 1067 Leff, L.G. and M.D. Bachmann. 1986. Ontogenetic changes in predatory behavior of larval tiger salamanders (*Ambystoma tigrinum*). *Canadian Journal of Zoology* 64:1337-1344.

- 1068 Mayer, J.J. and I.L. Brisbin Jr. 1986. A note on the scent-marking behavior of two captive-reared feral boars. *Applied Animal Behavior Science* 16:85-90.
- 1069 Moring, J.R., P.D. Eiler, M.T. Negus, and K.E. Gibbs. 1986. Ecological importance of submerged pulpwood logs in a Maine reservoir. *American Fisheries Society* 115:335-342.
- 1070 Barnes, J.R., J.V. McArthur, and C.E. Cushing. 1986. Effect of excluding shredders on leaf litter decomposition in two streams. *Great Basin Naturalist* 46:204-207.
- 1071 Bertsch, P.M., R.I. Barnhisel, G.W. Thomas, W.J. Layton, and S.L. Smith. 1986. Quantitative determination of aluminum-27 by high-resolution nuclear magnetic resonance spectrometry. *Analytical Chemistry* 58:2583-2585.
- 1072 Brisbin, I.L., Jr., C.A. Ross, M.C. Downes, and B. Gammon. 1986. The compilation of a cross-indexed tropical bibliography for the American alligator: a study of trends in the literature concerning an endangered species. p. 124-131. In 7th Working Meeting of the Crocodile Specialist Group of the Species Survival Commission of the International Union for Conservation of Nature and Natural Resources, IUCNNR. Caracas, Venezuela.
- 1073 Knight, J.L. and R.K. Loraine. 1986. Notes on turtle egg predation by *Lampropeltis getulus* (Linnaeus) (Reptilia: Colubridae) on the Savannah River Plant, South Carolina. *Brimleyana* 12:1-4.
- 1074 Scott, D. 1986. Notes on the eastern hognose snake, *Heterodon platyrhinos*, Latreille (Squamata: Colubridae), on a Virginia barrier island. *Brimleyana* 12:51-55.
- 1075 Testa, J.W. 1986. Electromorph variation in Weddell seals (*Leptonychotes weddelli*). *Journal of Mammalogy* 67:606-610.
- 1076 Loehle, C. 1986. Buddy, can you paradigm? Or: the search for a proper paradigm for monitoring ecosystem level impacts. In Towards a Transboundary Monitoring Network, edited by B.L. Bandurski, P.T. Haug, and A.L. Hamilton. p. 736-739. Vol. Volume 2. International Joint Commission.
- 1077 Loehle, C. 1986. The role of ecosystem models in environmental monitoring. In Towards a Transboundary Monitoring Network, edited by B.L. Bandurski, P.T. Haug, and A.L. Hamilton. p. 739-743. Vol. Volume 2. International Joint Commission.
- 1078 Novak, S.S. and R.A. Seigel. 1986. Gram-negative septicemia in American alligators (*Alligator mississippiensis*). *Journal of Wildlife Diseases* 22:484-487.

- 1079 McLeod, K.W., C.E. Davis, K.C. Sherrod, and C.G. Wells. 1986. Understory response to sewage sludge fertilization of loblolly pine plantations. p. 308-323. In The Forest Alternative for Treatment and Utilization of Municipal and Industrial Wastes. Proceedings of the Forest Land Applications Symposium, edited by D.W. Cole, C.L. Henry, and W.L. Nutter. University of Washington Press. Seattle, WA.
- 1080 McKee, W.H., Jr., K.W. McLeod, C.E. Davis, M.R. McKevelin, and H.A. Thomas. 1986. Growth response of loblolly pine to municipal and industrial sewage sludge applied at four ages on upper coastal plain sites. p. 272-281. In The Forest Alternative for Treatment and Utilization of Municipal and Industrial Wastes. Proceedings of the Forest Lands Applications Symposium, edited by D.W. Cole, C.L. Henry, and W.L. Nutter. University of Washington Press. Seattle, WA.
- 1081 Ridgeway, G.L., L.A. Donovan, and K.W. McLeod. 1986. Response of loblolly pine to sewage sludge application: water relations. p. 301-307. In The Forest Alternative for Treatment and Utilization of Municipal and Industrial Wastes. Proceedings of the Forest Lands Applications Symposium, edited by D.W. Cole, C.L. Henry, and W.L. Nutter. University of Washington Press. Seattle, WA.
- 1082 Topa, M.A. and K.W. McLeod. 1986. Responses of *Pinus clausa*, *Pinus serotina* and *Pinus taeda* seedlings to anaerobic solution culture. II. Changes in tissue nutrient concentration and net acquisition. *Physiologia Plantarum* 68:532-539.
- 1083 Topa, M.A. and K.W. McLeod. 1986. Aerenchyma and lenticel formation in pine seedlings: a possible avoidance mechanism to anaerobic growth conditions. *Physiologia Plantarum* 68:540-550.
- 1084 Hauer, F.R., N.L. Poff, and P.L. Firth. 1986. Leaf litter decomposition across broad thermal gradients in southeastern coastal plain streams and swamps. *Journal of Freshwater Ecology* 3:545-552.
- 1085 McArthur, J.V., L.G. Leff, D.A. Kovacic, and J. Jaroscak. 1986. Green leaf decomposition in coastal plain streams. *Journal of Freshwater Ecology* 3:553-558.
- 1086 Loehle, C., P. Bertsch, and G. Mills. 1986. An evaluation of chemical speciation in the MEXAMS metal transport model. *Environmental Software* 1:106-112.
- 1087 Wooten, M.C. and M.H. Smith. 1986. Fluctuating asymmetry and genetic variability in a natural population of *Mus musculus*. *Journal of Mammalogy* 67:725-732.
- 1088 Kennedy, P.K., M.L. Kennedy, E.G. Zimmerman, R.K. Chesser, and M.H. Smith. 1986. Biochemical genetics of mosquitofish. V. Perturbation effects on genetic organization of populations. *Copeia* 1986:937-945.

- 1089 Cooper, W.E., Jr. 1986. Chromatic components of female secondary sexual coloration: influence on social behavior of male keeled earless lizards (*Holbrookia propinqua*). *Copeia* 1986:980-986.
- 1090 Ford, N.B. and G.A. Shuttlesworth. 1986. Effects of variation in food intake on locomotory performance of juvenile garter snakes. *Copeia* 1986:999-1001.
- 1091 Morreale, S.J. and J.W. Gibbons. 1986. Habitat suitability index models: Slider turtle. U.S. Fish and Wildlife Service. Biological Report. 82 (10.125).
- 1092 Aho, J.M., C.S. Anderson, and J.S. Terrell. 1986. Habitat suitability index models and instream flow suitability curves: Redbreast sunfish. U.S. Fish and Wildlife Service. Biological Report. 82 (10.119).
- 1093 Teska, W.R. and J.E. Pinder III. 1986. Effects of nutrition on age determination using eye lens weights. *Growth* 50:362-370.
- 1094 Smith, L.M., L.D. Vangilder, R.T. Hoppe, S.J. Morreale, and I.L. Brisbin Jr. 1986. Effect of diving ducks on benthic food resources during winter in South Carolina, USA. *Wildfowl* 37:136-141.
- 1095 Cooper, W.E., Jr. and L.J. Vitt. 1986. Lizard pheromones: behavioral responses and adaptive significance in skinks of the genus *Eumeces*. In Chemical Signals in Vertebrates 4, edited by D. Duvall, D. Muller-Schwarze, and R.M. Silverstein. p. 323-340. Plenum Publishing Corporation. New York.
- 1096 Meffe, G.K. 1987. Conserving fish genomes: philosophies and practices. *Environmental Biology of Fishes* 18:3-9.
- 1097 Lamb, T. and J.C. Avise. 1987. Morphological variability in genetically defined categories of anuran hybrids. *Evolution* 41:157-165.
- 1098 Bertsch, P.M., W.J. Layton, and R.I. Barnhisel. 1986. Speciation of hydroxy-aluminum solutions by wet chemical and aluminum-27 NMR methods. *Soil Science Society of America Journal* 50:1449-1454.
- 1099 Mayer, J.J., R.T. Hoppe, and R.A. Kennamer. 1985. Bald and Golden Eagles on the Savannah River Plant, South Carolina. *Oriole* 50:53-57.
- 1100 Sibley, T.H., E.A. Wurtz, and J.J. Alberts. 1986. Partition coefficients for ²⁴⁴Cm on freshwater and estuarine sediments. *Journal of Environmental Radioactivity* 3:203-217.
- 1101 Giesy, J.P., R.A. Geiger, N.R. Kevern, and J.J. Alberts. 1986. UO₂²⁺ - Humate interactions in soft, acid, humate-rich waters. *Journal of Environmental Radioactivity* 4:39-64.

- 1102 Cooper, W.E., Jr. and W.R. Gartska. 1987. Discrimination of male conspecific from male heterospecific odors by male scincid lizards (*Eumeces laticeps*). *Journal of Experimental Zoology* 241:253-256.
- 1103 Topa, M.A. and K.W. McLeod. 1986. Responses of *Pinus clausa*, *Pinus serotina* and *Pinus taeda* seedlings to anaerobic solution culture. I. Changes in growth and root morphology. *Physiologia Plantarum* 68:523-531.
- 1104 Alberts, J.J., J.E. Pinder III, E. Wurtz, and S. Lesneck. 1986. The effect of pH, solid phase, particle concentration and equilibration time on the partition coefficient of curium on natural sediments. In Application of Distribution Coefficient to Radiological Assessment Models, edited by T.H. Sibley and C. Myttenaere. p. 72-82. Elsevier Publishers. New York.
- 1105 Meffe, G.K. and M.L. Crump. 1987. Possible growth and reproductive benefits of cannibalism in the mosquitofish. *The American Naturalist* 129:203-212.
- 1106 Alberts, J.J., J.E. Pinder III, J.W. Bowling, D.M. Nelson, and K.A. Orlandini. 1986. ^{239,240}Pu, ²⁴¹Am and ²³²Th in lakes: the effects of seasonal anoxia. *Journal of Environmental Radioactivity* 4:167-176.
- 1107 Jensen, J.R., M.E. Hodgson, E. Christensen, H.E. Mackey Jr., L.R. Tinney, and R.R. Sharitz. 1986. Remote sensing inland wetlands: a multispectral approach. *Photogrammetric Engineering and Remote Sensing* 52:87-100.
- 1108 Spotila, J.R., E.A. Standora, S.J. Morreale, and G.J. Ruiz. 1987. Temperature dependent sex determination in the green turtle (*Chelonia mydas*): effects on the sex ration on a natural nesting beach. *Herpetologica* 43:74-81.
- 1109 Congdon, J.D., G.L. Breitenbach, R.C. van Loben Sels, and D.W. Tinkle. 1987. Reproduction and nesting ecology of snapping turtles (*Chelydra serpentina*) in southeastern Michigan. *Herpetologica* 43:39-54.
- 1110 Cooper, W.E., Jr. and L.J. Vitt. 1987. Intraspecific and interspecific aggression in lizards of the scincid genus *Eumeces*: chemical detection of conspecific sexual competitors. *Herpetologica* 43:7-14.
- 1111 Gatten, R.E., Jr. 1987. Cardiovascular and other physiological correlates of hibernation in aquatic and terrestrial turtles. *American Zoologist* 27:59-68.
- 1112 Scott, D.E., F.W. Whicker, and J.W. Gibbons. 1986. Effect of season on the retention of ¹³⁷Cs and ⁹⁰Sr by the yellow-bellied slider turtle (*Pseudemys scripta*). *Canadian Journal of Zoology* 64:2850-2853.

- 1113 McArthur, J.V. and G.R. Marzolf. 1987. Changes in soluble nutrients of prairie riparian vegetation during decomposition on a floodplain. *The American Midland Naturalist* 117:26-34.
- 1114 Muzika, R.M., J.B. Gladden, and J.D. Haddock. 1987. Structural and functional aspects of succession in southeastern floodplain forests following a major disturbance. *The American Midland Naturalist* 117:1-9.
- 1115 Scott, M.L. and P.G. Murphy. 1987. Regeneration patterns of northern white cedar, an old-growth forest dominant. *The American Midland Naturalist* 117:10-16.
- 1116 Meffe, G.K. and W.L. Minckley. 1987. Persistence and stability of fish and invertebrate assemblages in a repeatedly disturbed Sonoran Desert stream. *The American Midland Naturalist* 117:177-191.
- 1117 Topa, M.A. and K.W. McLeod. 1986. Effects of anaerobic growth conditions on phosphorus tissue concentrations and absorption rates of southern pine seedlings. *Tree Physiology* 2:327-340.
- 1118 Caldwell, J.P. 1987. Demography and life history of two species of chorus frogs (*Anura: Hylidae*) in South Carolina. *Copeia* 1987:114-127.
- 1119 Robbins, L.W., G.D. Hartman, and M.H. Smith. 1987. Dispersal, reproductive strategies, and the maintenance of genetic variability in mosquitofish (*Gambusia affinis*). *Copeia* 1987:156-164.
- 1120 Semlitsch, R.D. 1987. Relationship of pond drying to the reproductive success of the salamander *Ambystoma talpoideum*. *Copeia* 1987:61-69.
- 1121 Lagory, K.E. 1987. The influence of habitat and group characteristics on the alarm and flight response of white-tailed deer. *Animal Behaviour* 35:20-25.
- 1122 Cothran, E.G., R.K. Chesser, M.H. Smith, and P.E. Johns. 1987. Fat levels in female white-tailed deer during the breeding season and pregnancy. *Journal of Mammalogy* 68:111-118.
- 1123 Brisbin, I.L., Jr., R.A. Kennamer, G.C. White, P.B. Bush, and L.A. Mayack. 1987. Growth characteristics of wood ducks from two southeastern breeding locations. *The Wilson Bulletin* 99:91-94.
- 1124 Lagory, K.E. 1986. Habitat, group size, and the behaviour of white-tailed deer. *Behaviour* 98:168-179.
- 1125 Pinder, J.E., III and G.C. Kroh. 1987. Insect herbivory and photosynthetic pathways in old-field ecosystems. *Ecology* 68:254-259.

- 1126 McLeod, K.W., L.A. Donovan, N.J. Stumpff, and K.C. Sherrod. 1986. Biomass, photosynthesis and water use efficiency of woody swamp species subjected to flooding and elevated water temperature. *Tree Physiology* 2:341-346.
- 1127 Gibbons, J.W. 1987. Why do turtles live so long? *BioScience* 37:262-269.
- 1128 Ford, N.B. and J.P. Karges. 1987. Reproduction in the checkered garter snake, *Thamnophis marcianus*, from southern Texas and northeastern Mexico: seasonality and evidence for multiple clutches. *Southwestern Naturalist* 32:93-101.
- 1129 Mills, G.L., E. McFadden, and J.G. Quinn. 1987. Chromatographic studies of dissolved organic matter and copper-organic complexes isolated from estuarine waters. *Marine Chemistry* 20:313-325.
- 1130 Loehle, C. 1987. Optimizing ecosystem simulation model performance. *Natural Resource Modeling* 1:235-243.
- 1131 Adriano, D.C., S.W. Gettier, J. Shann, A.L. Page, and R.L. Chaney. 1986. Sources of trace element enrichment in soils. p. 224-236. In International Symposium on Trace Elements, edited by M. Anke, W. Baumann, and W. Braunlich. Jena, German Democratic Republic.
- 1132 Seigel, R.A. and N.B. Ford. 1987. Reproductive ecology. In Snakes: Ecology and Evolutionary Biology, edited by R.A. Seigel, J.T. Collins, and S.S. Novak. p. 210-249. Macmillan Publishing Company. New York.
- 1133 Gibbons, J.W. and R.D. Semlitsch. 1987. Activity patterns. In Snakes: Ecology and Evolutionary Biology, edited by R.A. Seigel, J.T. Collins, and S.S. Novak. p. 396-421. Macmillan Publishing Company. New York.
- 1134 Griffith, M.A. and T.T. Fendley. 1986. Pre and post dispersal movement behavior of subadult bobcats on the Savannah River Plant. p. 277-289. In Second International Cat Symposium: Cats of the World: Biology, Conservation and Management, edited by S.D. Miller and D. Everet. Ceaser Kleberg Wildlife Research Institute and National Wildlife Federation. Kingsville, TX.
- 1135 Brisbin, I.L., Jr., K.W. McLeod, and G.C. White. 1987. Sigmoid growth and the assessment of hormesis: A case for caution. *Health Physics* 52:553-559.
- 1136 Pinder, J.E., III, D.C. Adriano, T.G. Ciravolo, A.C. Doswell, and D.M. Yehling. 1987. The interception and retention of ^{238}Pu deposition by orange trees. *Health Physics* 52:707-715.

- 1137 Strojan, C.L., D.C. Randall, and F.B. Turner. 1987. Relationship of leaf litter decomposition rates to rainfall in the Mojave Desert. *Ecology* 68:741-744.
- 1138 Hepp, G.R., R.T. Hoppe, and R.A. Kennamer. 1987. Population parameters and philopatry of breeding female wood ducks. *Journal of Wildlife Management* 51:401-404.
- 1139 Cooper, W.E., Jr. and N. Burns. 1987. Social significance of ventrolateral coloration in the fence lizard, *Sceloporus undulatus*. *Animal Behaviour* 35:526-532.
- 1140 Valle, C.A. and M.C. Coulter. 1987. Present status of the flightless cormorant, Galapagos penguin and greater flamingo populations in the Galapagos Islands, Ecuador, after the 1982-83 El Nino. *The Condor* 89:276-281.
- 1141 Tolliver, D.K. and L.W. Robbins. 1987. Genetic variability with *Blarina carolinensis*, and among three sympatric species of shrews (*Insectivora: Soricidae*). *Journal of Mammalogy* 68:387-390.
- 1142 Griffith, M.A. and T.T. Fendley. 1986. Influence of density on movement behavior and home range size of adult bobcats on the Savannah River Plant. p. 261-275. In Second International Cat Symposium: Cats of the World: Biology, Conservation and Management, edited by S.D. Miller and D. Everet. Ceaser Kleberg Wildlife Research Institute and National Wildlife Federation. Kingsville, TX.
- 1143 Cooper, W.E., M.T. Mendonca, and L.J. Vitt. 1987. Induction of orange head coloration and activation of courtship and aggression by testosterone in the male broad-headed skink (*Eumeces laticeps*). *Journal of Herpetology* 21:96-101.
- 1144 Negus, M.T. 1987. The influence of submerged pulpwood on feeding and condition of fishes in a reservoir. *Hydrobiologia* 148:63-72.
- 1145 Bertsch, P.M. 1987. Conditions for Al₁₃ polymer formation in partially neutralized aluminum solutions. *Soil Science Society of America Journal* 51:825-828.
- 1146 Collins, B.S. and S.T.A. Pickett. 1987. Influence of canopy opening on the environment and herb layer in a northern hardwoods forest. *Vegetatio* 70:3-10.
- 1147 Loehle, C. 1987. Errors of construction, evaluation, and inference: a classification of sources of error in ecological models. *Ecological Modelling* 36:297-314.
- 1148 Cooper, W.E., Jr. and L.J. Vitt. 1987. Deferred agonistic behavior in a long-lived scincid lizard *Eumeces laticeps*. *Oecologia* 72:321-326.

- 1149 Loehle, C. 1987. Partitioning of reproductive effort in clonal plants: a benefit-cost model. *Oikos* 49:199-208.
- 1150 Mayer, J.J. and R.M. Wetzel. 1987. *Tayassu pecari*. *Mammalian Species* 293:1-7.
- 1151 Congdon, J.D. and J.W. Gibbons. 1987. Morphological constraint on egg size: a challenge to optimal egg size theory? *Proceedings of the National Academy of Science* 84:4125-4147.
- 1152 Scott, M.L. and J.L. Haskins. 1987. Effects of grazing by chrysomelid beetles on two wetland herbaceous species. *Bulletin of the Torrey Botanical Club* 114:13-17.
- 1153 Hepp, G.R., D.J. Stangohr, L.A. Baker, and R.A. Kennamer. 1987. Factors affecting variation in the egg and duckling components of wood ducks. *Auk* 104:435-443.
- 1154 Rhodes, O.E., Jr., K.T. Scribner, M.H. Smith, and P.E. Johns. 1987. Factors affecting the number of fetuses in a white-tailed deer herd. *Proceedings of the Annual Conference of Southeastern Association of Fish and Wildlife Agencies* 39:380-388.
- 1155 Brisbin, I.L., Jr., C.T. Collins, G.C. White, and D.A. McCallum. 1987. A new paradigm for the analysis and interpretation of growth data: the shape of things to come. *Auk* 104:552-554.
- 1156 Dunn, C.P. 1987. Post-settlement changes in tree composition of southeastern Wisconsin forested wetlands. *Michigan Botanist* 26:43-51.
- 1157 Cooper, W.E., Jr. and W.R. Gartska. 1987. Lingual responses to chemical fractions of urodaeal glandular pheromone of the skink *Eumeces laticeps*. *Journal of Experimental Zoology* 242:249-253.
- 1158 Jones, R.H. and D.J. Raynal. 1987. Root sprouting in American beech: production, survival, and the effect of parent tree vigor. *Canadian Journal of Forest Research* 17:539-544.
- 1159 Meffe, G.K. 1987. Embryo size variation in mosquitofish: optimality vs. plasticity in propagule size. *Copeia* 1987:762-768.
- 1160 Cooper, W.E., Jr. and W.R. Garstka. 1987. Aggregation in the broad-headed skink (*Eumeces laticeps*). *Copeia* 1987:807-810.
- 1161 Mitz, S.V. and P.M. Bertsch. 1987. Mobilization kinetics of Fe and Mn from sediments as influenced by redox status. p. 309-311. In Heavy Metals in the Environment, edited by S.E. Lindberg and T.C. Hutchinson. Volume II. CEP Consultants, Ltd. New Orleans, LA.

- 1162 Semlitsch, R.D. 1987. Interactions between fish and salamander larvae. *Oecologia* 72:481-486.
- 1163 Hodgson, M.E., J.R. Jensen, H.E. Mackey Jr., and M.C. Coulter. 1987. Remote sensing of wetland habitat: a wood stork example. *Photogrammetric Engineering and Remote Sensing* 53:1075-1080.
- 1164 Stangel, P.W. and R.D. Semlitsch. 1987. Experimental analysis of predation on the diel vertical migrations of a larval salamander. *Canadian Journal of Zoology* 65:1554-1558.
- 1165 Dunn, C.P. and M.L. Scott. 1987. Response of wetland herbaceous communities to gradients of light and substrate following disturbance by thermal pollution. *Vegetatio* 70:119-124.
- 1166 Kaufman, D.W. and G.A. Kaufman. 1987. Reproduction by *Peromyscus polionotus*: number, size, and survival of offspring. *Journal of Mammalogy* 68:275-280.
- 1167 Elrashidi, M.A., D.C. Adriano, S.M. Workman, and W.L. Lindsay. 1987. Chemical equilibria of selenium in soils: a theoretical development. *Soil Science* 144:141-152.
- 1168 Mulvey, M., T.M. Goater, G.W. Esch, and A.E. Crews. 1987. Genotype frequency differences in *Halipegus occidualis*-infected and uninfected *Helisoma anceps*. *Journal of Parasitology* 73:757-761.
- 1169 Cooper, W.E., Jr. and L.J. Vitt. 1987. Ethological isolation, sexual behavior and pheromones in the *Fasciatus* species group of the lizard genus *Eumeces*. *Ethology* 75:328-336.
- 1170 Loehle, C. 1987. Applying artificial intelligence techniques to ecological modeling. *Ecological Modelling* 38:191-212.
- 1171 McCort, W.D. 1987. Effects of thermal effluents from nuclear reactors. In Environmental Consequences of Energy Production: Problems and Prospects, edited by S.K. Majumdar, F.J. Brenner, and E.W. Miller. p. 386-401. Pennsylvania Academy of Science. Easton, PA.
- 1172 Gabriel, W., B.E. Taylor, and S. Kirsch-Prokosch. 1987. Cladoceran birth and death rates estimates: experimental comparisons of egg-ratio methods. *Freshwater Biology* 18:361-372.
- 1173 Lamb, T. 1987. Call site selection in a hybrid population of treefrogs. *Animal Behaviour* 35:1140-1144.

- 1174 Cooper, W.E., Jr. and D. Crews. 1987. Hormonal induction of secondary sexual coloration and rejection behaviour in female keeled earless lizards, *Holbrookia propinqua*. *Animal Behaviour* 35:1177-1187.
- 1175 Avise, J.C., J. Arnold, R.M. Ball, E. Bermingham, T. Lamb, J.E. Neigel, C.Z. Reeb, and N.C. Saunders. 1987. Intraspecific phylogeography: the mitochondrial DNA bridge between population genetics and systematics. *Annual Review of Ecology and Systematics* 18:489-522.
- 1176 Coulter, M.C. and J.A. Rodgers. 1987. The ecology and conservation of storks. *Colonial Waterbirds* 10:129-130.
- 1177 Johnson, R.E., M.C. Coulter, C.S. Luthin, C.E. King, and A.J. Valenzuela. 1987. Storks: status, conservation and captive breeding. *Colonial Waterbirds* 10:236-241.
- 1178 Comer, J.A., M.C. Coulter, and A.L. Bryan Jr. 1987. Overwintering locations of wood storks captured in East-central Georgia. *Colonial Waterbirds* 10:162-166.
- 1179 Coulter, M.C., A.L. Bryan Jr., H.E. Mackey Jr., J.R. Jensen, and M.E. Hodgson. 1987. Mapping of wood stork foraging habitat with satellite data. *Colonial Waterbirds* 10:178-180.
- 1180 Coulter, M.C., W.D. McCort, and A.L. Bryan Jr. 1987. Creation of artificial foraging habitat for wood storks. *Colonial Waterbirds* 10:203-210.
- 1181 Bryan, A.L., Jr. and M.C. Coulter. 1987. Foraging flight characteristics of wood storks in East-central Georgia, USA. *Colonial Waterbirds* 10:157-161.
- 1182 Dunn, C.P. and F. Stearns. 1987. A comparison of vegetation and soils in floodplain and basin forested wetlands of southeastern Wisconsin. *The American Midland Naturalist* 118:375-384.
- 1183 Dunn, C.P. and F. Stearns. 1987. Relationship of vegetation layers to soils in southeastern Wisconsin forested wetlands. *The American Midland Naturalist* 118:366-374.
- 1184 Mendonca, M.T. 1987. Timing of reproductive behaviour in male musk turtles, *Sternotherus odoratus*: effects of photoperiod, temperature and testosterone. *Animal Behaviour* 35:1002-1014.
- 1185 Seigel, R.A., M.M. Huggins, and N.B. Ford. 1987. Reduction in locomotor ability as a cost of reproduction in gravid snakes. *Oecologia* 73:481-485.

- 1186 Burkman, W.G., D.C. Adriano, and J.L. Afre. 1987. Phytoavailability of boron from organic sources. *Journal of Environmental Quality* 16:416-421.
- 1187 Chesser, R.K. and M.H. Smith. 1987. Relationship of genetic variation to growth and reproduction in the white-tailed deer. In Biology and Management of the Cervidae, edited by C.M. Wemmer. p. 168-177. Smithsonian Institution Press. Washington, DC.
- 1188 Meffe, G.K. and A.L. Sheldon. 1987. Habitat use by dwarf waterdogs (*Necturus punctatus*) in South Carolina streams, with life history notes. *Herpetologica* 43:490-496.
- 1189 Collins, J.B. and P.M. Bertsch. 1987. Competitive sorption of zinc and cadmium on goethite. p. 97-100. In Proceedings of the International Conference on Heavy Metals in the Environment, edited by S.E. Lindberg and T.C. Hutchinson. Volume 1. CEP Consultants, Ltd. Edinburg, UK.
- 1190 Gettier, S.W., W.G. Burkman, and D.C. Adriano. 1987. Factors affecting vanadium phytotoxicity. p. 469-471. In International Conference on Heavy Metals in the Environment, edited by S.E. Lindberg and T.C. Hutchinson. Volume 1. CEP Consultants, Ltd. Edinburg, UK.
- 1191 Gettier, S.W. and D.C. Adriano. 1987. The bioavailability of soil-added thallium and beryllium. p. 472-474. In International Conference on Heavy Metals in the Environment, edited by S.E. Lindberg and T.C. Hutchinson. Volume 1. CEP Consultants, Ltd. Edinburg, UK.
- 1192 McLeod, K.W., L.A. Donovan, and N.J. Stumpff. 1987. Responses of woody seedlings to elevated flood water temperatures. In The Ecology and Management of Wetlands, edited by D.D. Hook, W.H. McKee Jr., H.K. Smith, J. Gregory, J. V.G. Burrell, M.R. DeVoe, R.E. Sojka, S. Gilbert, R. Banks, L.H. Stolzy, C. Brooks, T.D. Matthews, and T.H. Shear. p. 441-451. Timber Press. Portland, OR.
- 1193 Loehle, C. and G. Namkoong. 1987. Constraints on tree breeding: growth tradeoffs, growth strategies, and defensive investments. *Forest Science* 33:1089-1097.
- 1194 Newman, M.C. and S.V. Mitz. 1988. Size dependence of zinc elimination and uptake from water by mosquitofish *Gambusia affinis* (Baird and Girard). *Aquatic Toxicology* 12:17-32.
- 1195 Valle, C.A., F. Cruz, J.B. Cruz, G. Merlin, and M.C. Coulter. 1987. The impact of the 1982-1983 El Nino-Southern oscillation on seabirds in the Galapagos Islands, Ecuador. *Journal of Geophysical Research* 92:14427-14444.

- 1196 Dunn, C.P. and R.R. Sharitz. 1987. Revegetation of a *Taxodium-Nyssa* forested wetland following complete vegetation destruction. *Vegetatio* 72:151-157.
- 1197 Alberts, J.J., J.W. Bowling, and K.A. Orlandini. 1987. The effect of seasonal anoxia on the distribution of ²³⁹Pu, ²⁴¹Am, ²⁴⁴Cm, and ¹³⁷Cs in pond systems of the southeastern United States. p. 371-390. In Proceedings of the Symposium on Environmental Research on Actinide Elements, edited by J.E. Pinder III, J.J. Alberts, K.W. McLeod, and R.G. Schreckhise. CONF-841142.
- 1198 McDonald, M.A. 1987. Distribution of *Microligea palustris* in Haiti. *The Wilson Bulletin* 99:688-690.
- 1199 Loehle, C. 1987. Hypothesis testing in ecology: psychological aspects and the importance of theory maturation. *Quarterly Review of Biology* 62:397-409.
- 1200 Kennamer, R.A. and G.R. Hepp. 1987. Frequency and timing of second broods in wood ducks. *The Wilson Bulletin* 99:655-662.
- 1201 Loehle, C. 1988. Philosophical tools: potential contributions to ecology. *Oikos* 51:97-104.
- 1202 Newman, M.C. and J.E. Pinder III. 1987. Coping with uncertainty: Limits of detection, limits of quantitation and nested sources of error. In AWWA Water Quality Technology Conference, American Water Works Association. Portland, OR.
- 1203 Negus, M.T., J.M. Aho, and C.S. Anderson. 1987. Influence of acclimation temperature and developmental stage on behavioral responses of lake chubsuckers to temperature gradients. *American Fisheries Society Symposium* 2:157-163.
- 1204 Simon, T.P., R. Wallus, and K.B. Floyd. 1987. Descriptions of protolarvae of seven species of the subgenus *Nothonotus* (Percidae: Etheostomatini) with comments on intrasubgeneric characteristics. *American Fisheries Society Symposium* 2:179-190.
- 1205 Semlitsch, R.D., D.E. Scott, and J.H.K. Pechmann. 1988. Time and size at metamorphosis related to adult fitness in *Ambystoma talpoideum*. *Ecology* 69:184-192.
- 1206 Loehle, C. 1988. Problems with the triangular model for representing plant strategies. *Ecology* 69:284-286.
- 1207 Ultsch, G.R. 1988. Blood gases, hematocrit, plasma ion concentrations, and acid-base status of musk turtles (*Sternotherus odoratus*) during simulated hibernation. *Physiological Zoology* 61:78-94.

- 1208 Cooper, W.E. and D. Crews. 1988. Sexual coloration, plasma concentrations of sex steroid hormones, and responses to courtship in the female keeled earless lizard (*Holbrookia propinqua*). *Hormones and Behavior* 22:12-25.
- 1209 Breshears, D.D., M.H. Smith, E.G. Cothran, and P.E. Johns. 1988. Genetic variability in white-tailed deer. *Heredity* 60:129-146.
- 1210 Semlitsch, R.D., J.H.K. Pechmann, and J.W. Gibbons. 1988. Annual emergence of juvenile mud snakes (*Farancia abacura*) at aquatic habitats. *Copeia* 1988:243-245.
- 1211 Cooper, W.E., Jr. and L.J. Vitt. 1988. Orange head coloration of the male broad-headed skink (*Eumeces laticeps*) a sexually selected social cue. *Copeia* 1988:1-6.
- 1212 Alberts, J.J., J.W. Bowling, and M. Emmons. 1988. Dissolved carbohydrate distribution and dynamics in two southeastern United States reservoirs. *Canadian Journal of Fisheries and Aquatic Sciences* 45:325-332.
- 1213 Stinner, B.R., G.J. House, J.K. Pechmann, D.E. Scott, and D.A. Crossley Jr. 1988. Phosphorus and cation dynamics of components and processes in conventional and nontillage soybean agroecosystems. *Agriculture, Ecosystems and Environment* 20:81-100.
- 1214 Zimmerman, E.G., E.H. Liu, M.H. Smith, and M.C. Wooten. 1988. Microhabitat variation in enzyme activities in the mosquitofish, *Gambusia affinis*. *Canadian Journal of Zoology* 66:515-521.
- 1215 Robbins, L.W. and V.M. Sarich. 1988. Evolutionary relationships in the family emballonuridae (*Chiroptera*). *Journal of Mammalogy* 69:1-13.
- 1216 Loehle, C. 1988. Robust parameter estimation for nonlinear models. *Ecological Modelling* 41:41-54.
- 1217 Latimer, B.E. and I.L. Brisbin Jr. 1987. Early growth rates and their relationships to mortalities of five breeds of chickens following exposure to acute gamma radiation stress. *Growth* 51:411-424.
- 1218 Spotila, J.R. 1988. Archie Carr: to the edge of hope - 1909-1987. *Herpetologica* 44:128-132.
- 1219 Fischer, R.U., E.A. Standora, and J.R. Spotila. 1987. Predator-induced changes in thermoregulation of bluegill, *Lepomis macrochirus*, from a thermally altered reservoir. *Canadian Journal of Fisheries and Aquatic Sciences* 44:1629-1634.

- 1220 Cooper, W.E., Jr. 1988. Aggressive behavior and courtship rejection in brightly and plainly colored female keeled earless lizards (*Holbrookia propinqua*). *Ethology* 77:265-278.
- 1221 Leff, L.G. and J.V. McArthur. 1988. Seston and dissolved organic carbon transport during storm flows in a natural and a disturbed coastal plain stream. *Journal of Freshwater Ecology* 4:271-276.
- 1222 Semlitsch, R.D. and J.W. Gibbons. 1988. Fish predation in size-structured populations of treefrog tadpoles. *Oecologia* 75:321-326.
- 1223 Loehle, C. 1988. Tree life history strategies: the role of defenses. *Canadian Journal of Forest Research* 18:209-222.
- 1224 Topa, M.A. and K.W. McLeod. 1988. Promotion of aerenchyma formation in *Pinus serotina* seedlings by ethylene. *Canadian Journal of Forest Research* 18:276-280.
- 1225 Ultsch, G.R. and J.F. Anderson. 1988. Gas exchange during hypoxia and hypercarbia of terrestrial turtles: a comparison of a fossorial species (*Gopherus polyphemus*) with a sympatric nonfossorial species (*Terrapene carolina*). *Physiological Zoology* 61:142-152.
- 1226 Alberts, J.J., J.W. Bowling, J.E. Schindler, and D.E. Kyle. 1988. Seasonal dynamics of physical and chemical properties of a warm monomictic reservoir. *Internationale Vereinigung fuer Theoretische und Angewandte Limnologie* 23:176-180.
- 1227 Young, D.P., Jr. and D.J. Davis. 1988. *Rhadinaea flavilata* (Pine Wood Snake). *Herp Review* 19:20.
- 1228 Coulter, M.C. 1988. Foraging and breeding ecology of wood storks in East-Central Georgia. p. 21-27. In Third Southeastern Nongame and Endangered Wildlife Symposium, edited by R.R. Odom, K.A. Riddleberger, and J.C. Ozier. Georgia Department of Natural Resources, Game and Fish Division.
- 1229 Stangel, P.W. 1988. Conservation genetics of endangered species. p. 206-212. In Third Southeastern Nongame and Endangered Wildlife Symposium, edited by R.R. Odom, K.A. Riddleberger, and J.C. Ozier. Georgia Department of Natural Resources, Game and Fish Division.
- 1230 McCort, W.D., L.C. Lee, and G.R. Wein. 1988. Mitigating for large-scale wetland loss: a realist endeavor? p. 359-367. In National Wetland Symposium: Mitigation of Impacts and Losses, edited by J.A. Kusler, M.L. Quammen, and G. Brooks. Association of State Wetland Managers.

- 1231 Mills, G.L., D. Schwind, and D.C. Adriano. 1988. Preconcentration and analysis of tetraphenylboron and diphenylborinic acid in natural waters using C₁₈ reverse-phase liquid chromatography. *Chemosphere* 17:937-942.
- 1232 Miller, S.L., I.L. Brisbin Jr., and R.W. Seerley. 1987. Indirect estimation of the digestible energy in the diets of swine by post-mortem analyses of digesta. *Acta Theriologica* 32:475-488.
- 1233 Collins, B.S. and S.T.A. Pickett. 1988. Response of herb layer cover to experimental canopy gaps. *The American Midland Naturalist* 119:282-290.
- 1234 Wein, G.R., S. Kroeger, and G.J. Pierce. 1987. Lacustrine vegetation establishment within a cooling reservoir. p. 206-218. In 14th Annual Conference on Wetlands Restoration and Creation, edited by F.J. Webb. Hillsborough Community College, Plant City, FL.
- 1235 Rhodes, O.E., Jr., J.M. Novak, M.H. Smith, and P.E. Johns. 1986. Assessment of fawn breeding in a South Carolina deer herd. *Proceedings of the Annual Conference of Southeastern Association of Fish and Wildlife Agencies* 40:430-437.
- 1236 Bertsch, P.M. and M.A. Anderson. 1988. Determination of aluminum extracted from soils by ion chromatography. *Soil Science Society of America Journal* 52:540-542.
- 1237 Lovich, J. 1988. Aggressive basking behavior in eastern painted turtles (*Chrysemys picta picta*). *Herpetologica* 44:197-202.
- 1238 Wooten, M.C., K.T. Scribner, and M.H. Smith. 1988. Genetic variability and systematics of *Gambusia* in the southeastern United States. *Copeia* 1988:283-289.
- 1239 Anderson, R.A. and W.H. Karasov. 1988. Energetics of the lizard *Cnemidophorus tigris* and life history consequences of food-acquisition mode. *Ecological Monographs* 52:79-110.
- 1240 Collins, B.S. and S.T.A. Pickett. 1988. Demographic responses of herb layer species to experimental canopy gaps in a northern hardwoods forest. *Journal of Ecology* 76:437-450.
- 1241 Mazzotti, F.J. and L.A. Brandt. 1988. A method of live-trapping wary crocodiles. *Herpetological Review* 19:40-41.
- 1242 Wein, G.R. and W.D. McCort. 1988. Sources of complexity in wetland mitigation. p. 41-50. In Wetlands: Increasing Our Wetland Resources, edited by J.

- Zelazny and J.S. Feierbend. National Wildlife Federation-Corporate Conservation Council. Washington, DC.
- 1243 Mayer, J.J. and I.L. Brisbin Jr. 1988. Sex identification of *Sus scrofa* based on canine morphology. *Journal of Mammalogy* 69:408-412.
- 1244 Semlitsch, R.D. 1988. Allotopic distribution of two salamanders: Effects of fish predation and competitive interactions. *Copeia* 1988:290-298.
- 1245 Adams, C.S. and W.E.J. Cooper. 1988. Oviductal morphology and sperm storage in the keeled earless lizard, *Holbrookia propinqua*. *Herpetologica* 44:190-197.
- 1246 Schoenberg, S.A., R. Benner, P. Sobecky, and R.E. Hodson. 1988. Adaptation of phytoplankton-degrading microbial communities to thermal reactor effluent in a new cooling reservoir. *Applied and Environmental Microbiology* 54:1481-1487.
- 1247 Esch, G.W., C.R. Kennedy, A.O. Bush, and J.M. Aho. 1988. Patterns in helminth communities in freshwater fish in Great Britain: alternative strategies for colonization. *Parasitology* 96:519-532.
- 1248 McArthur, J.V. and J.R. Barnes. 1988. Community dynamics of leaf litter breakdown in a Utah alpine stream. *Journal of the North American Benthological Society* 7:37-43.
- 1249 McArthur, J.V., J.R. Barnes, B.J. Hansen, and L.G. Leff. 1988. Seasonal dynamics of leaf litter breakdown in a Utah alpine stream. *Journal of the North American Benthological Society* 7:44-50.
- 1250 Kaplan, D.I., W.G. Burkman, and D.C. Adriano. 1988. Response of loblolly pine (*Pinus taeda* L.) seedlings to soil-applied organo-borates. *Water Air and Soil Pollution* 37:73-83.
- 1251 Anderson, M.A., P.M. Bertsch, and W.P. Miller. 1988. The distribution of lithium in selected soils and surface waters of the southeastern USA. *Applied Geochemistry* 3:205-212.
- 1252 Adriano, D.C., D.I. Kaplan, W.G. Burkman, and G.L. Mills. 1988. Long-term phytoavailability of soil-applied organo-borates. *Journal of Environmental Quality* 17:485-492.
- 1253 Meffe, G.K. and R.C. Vrijenhoek. 1988. Conservation genetics in the management of desert fishes. *Conservation Biology* 2:157-169.
- 1254 Benner, R. and J.V. McArthur. 1988. Effects of temperature on microbial utilization of *Lignocellulosic detritus* in a thermally impacted stream. *Microbial Ecology* 16:323-330.

- 1255 Pinder, J.E., III, T.G. Ciravolo, and J.W. Bowling. 1988. The interrelationships among plant biomass, plant surface area and the interception of particulate deposition by grasses. *Health Physics* 55:51-58.
- 1256 Pinder, J.E., III and P.R. Jackson. 1988. Plant photosynthetic pathways and grazing by phytophagous orthopterans. *The American Midland Naturalist* 120:201-211.
- 1257 Meffe, G.K. and T.M. Berra. 1988. Temporal characteristics of fish assemblage structure in an Ohio stream. *Copeia* 1988:684-690.
- 1258 Giesy, J.P. 1988. Phosphoadenylate concentrations and adenylate energy charge of largemouth bass (*Micropterus salmoides*): relationship with condition factor and blood cortisol. *Comparative Biochemistry and Physiology* 90A:367-377.
- 1259 Newman, M.C. 1988. Heavy metal speciation in coastal plains watershed of the southeastern United States: Temporal and spatial variation. In Heavy Metals in the Hydrological Cycle, edited by M. Astruc and J.N. Lester. p. 163-170. Selper, Ltd. London, England.
- 1260 Bickham, J.W., B.G. Hanks, M.J. Smolen, T. Lamb, and J.W. Gibbons. 1988. Flow cytometric analysis of the effects of low-level radiation exposure on natural populations of slider turtles (*Pseudemys scripta*). *Archives of Environmental Contamination and Toxicology* 17:837-841.
- 1261 Wein, G.R., S.T.A. Pickett, and B.S. Collins. 1988. Biomass allocation of *Erythronium americanum* populations in different irradiance levels. *Annals of Botany* 61:717-722.
- 1262 Sullivan, B.K. and T. Lamb. 1988. Hybridization between the toads *Bufo microscaphus* and *Bufo woodhousii* in Arizona: variation in release calls and allozymes. *Herpetologica* 44:325-333.
- 1263 Donovan, L.A., K.W. McLeod, K.C. Sherrod Jr., and N.J. Stumpff. 1988. Response of woody swamp seedlings to flooding and increased water temperatures. I. Growth, biomass, and survivorship. *American Journal of Botany* 75:1181-1190.
- 1264 Schneider, R.L. and R.R. Sharitz. 1988. Hydrochory and regeneration in a bald cypress-water tupelo swamp forest. *Ecology* 69:1055-1063.
- 1265 Shann, J.R. and D.C. Adriano. 1988. Design and assessment of a chamber to expose plants to simulated aerosol and rain. *Environmental Pollution* 54:63-74.
- 1266 Knight, J.L. 1988. Notes on *Rhadinaea fulviceps* cope (Serpentes: Colubridae) from Ecuador. *Journal of Herpetology* 22:344-345.

- 1267 Lovich, J.E. and T.R. Jaworski. 1988. Annotated checklist of amphibians and reptiles reported from Cedar Bog, Ohio. *Ohio Journal of Science* 88:139-143.
- 1268 Peters, E.L. and I.L. Brisbin Jr. 1988. Radiocaesium elimination in the yellow-bellied turtle (*Pseudemys scripta*). *Journal of Applied Ecology* 25:461-471.
- 1269 Trexler, J.C. 1988. Hierarchical organization of genetic variation in the sailfin molly, *Poecilia latipinna* (Pisces: Poeciliidae). *Evolution* 42:1006-1017.
- 1270 Jones, R.H. and D.J. Raynal. 1988. Root sprouting in American beech (*Fagus grandifolia*): effects of root injury, root exposure, and season. *Forest Ecology and Management* 25:79-90.
- 1271 Pinder, J.E., III and K.W. McLeod. 1988. Contaminant transport in agroecosystems through retention of soil particles on plant surfaces. *Journal of Environmental Quality* 17:602-607.
- 1272 Megonigal, J.P. and F.P. Day Jr. 1988. Organic matter dynamics in four seasonally flooded forest communities of the dismal swamp. *American Journal of Botany* 75:1334-1343.
- 1273 Stangel, P.W. 1988. Premetamorphic survival of the salamander *Ambystoma maculatum*, in eastern Massachusetts. *Journal of Herpetology* 22:345-347.
- 1274 Hepp, G.R., J.M. Novak, K.T. Scribner, and P.W. Stangel. 1988. Genetic distance and hybridization of black ducks and mallards: a morph of a different color? *Auk* 105:804-807.
- 1275 Shann, J.R. and D.C. Adriano. 1988. The chronic exposure of selected crop species to boron aerosols. *Environmental and Experimental Botany* 28:289-299.
- 1276 Stangel, P.W. and M.R. Lennartz. 1988. Survival of red-cockaded woodpecker nestlings unaffected by sampling blood and feather pulp for genetic studies. *Journal of Field Ornithology* 59:389-394.
- 1277 Dunn, C.R. and C. Loehle. 1988. Species-area parameter estimation: testing the null model of lack of relationship. *Journal of Biogeography* 15:721-728.
- 1278 Pinder, J.E., III, K.W. McLeod, and D.C. Adriano. 1988. Particulate transport processes in agroecosystems: Validation of predictive models. In Reliability of Radioactive Transfer Models, edited by G. Desmet. p. 141-150. Elsevier Science Publishers. New York, NY.

- 1279 Mulvey, M., M.C. Newman, and D.S. Woodruff. 1988. Genetic differentiation among West Indian populations of the schistosome-transmitting snail *Biomphalaria glabrata*. *Malacologia* 29:309-317.
- 1280 Taylor, B.E., R.A. Estes, J.H.K. Pechmann, and R.D. Semlitsch. 1988. Trophic relations in a temporary pond: larval salamanders and their microinvertebrate prey. *Canadian Journal of Zoology* 66:2191-2198.
- 1281 Rader, R.B. and J.V. Ward. 1988. Influence of regulation on environmental conditions and the macroinvertebrate community in the upper Colorado River. *Regulated Rivers: Research and Management* 2:597-618.
- 1282 Lovich, J.E. 1988. Geographic variation in the seasonal activity cycle of spotted turtles, *Clemmys guttata*. *Journal of Herpetology* 22:482-485.
- 1283 Gladden, J.B., F.R. Cantelmo, J.M. Croom, and R. Shapot. 1988. Evaluation of the Hudson River ecosystem in relation to the dynamics of fish populations. *American Fisheries Society Monograph* 4:37-52.
- 1284 Kennamer, R.A., W.F. Harvey, IV, and G.R. Hepp. 1988. Notes on hooded merganser nests in the coastal plains of South Carolina. *The Wilson Bulletin* 100:686-688.
- 1285 Mulvey, M., D.S. Woodruff, and M.P. Carpenter. 1988. Linkage relationships of seven enzyme and two pigmentation loci in the *Biomphalaria glabrata*. *Journal of Heredity* 79:473-476.
- 1286 Williamson, L.U., J.R. Spotila, and E.A. Standora. 1989. Growth, selected temperature and CTM of young snapping turtles, *Chelydra serpentina*. *Journal of Thermal Biology* 14:33-39.
- 1287 Loehle, C. 1988. Forest decline: endogenous dynamics, tree defenses, and the elimination of spurious correlation. *Vegetatio* 77:65-78.
- 1288 Anderson, M.A. and P.M. Bertsch. 1988. Dynamics of aluminum complexation in multiple ligand systems. *Soil Science Society of America Journal* 52:1597-1602.
- 1289 Meffe, G.K., D.L. Certain, and A.L. Sheldon. 1988. Selective mortality of post-spawning yellowfin shiners *Notropis lutipinnis* (Pisces: Cyprinidae). *Copeia* 1988:853-858.
- 1290 Loehle, C. and J.H.K. Pechmann. 1988. Evolution: the missing ingredient in systems ecology. *The American Naturalist* 132:884-899.
- 1291 McArthur, J.V., D.A. Kovacic, and M.H. Smith. 1988. Genetic diversity in natural populations of a soil bacterium across a landscape gradient. *Proceedings of the National Academy of Sciences* 85:9621-9624.

- 1292 Lamb, T., J.C. Avise, and J.W. Gibbons. 1989. Phylogeographic patterns in mitochondrial DNA of the desert tortoise (*Xerobates agassizi*), and evolutionary relationships among the North American gopher tortoises. *Evolution* 43:76-87.
- 1293 Taylor, B.E. and D.L. Mahoney. 1988. Extinction and recolonization: processes regulating zooplankton dynamics in a cooling reservoir. *Internationale Vereinigung fuer Theoretische und Angewandte Limnologie* 23:1536-1541.
- 1294 Rader, R.B. and J.V. Ward. 1989. The influence of environmental predictability/disturbance characteristics on the structure of a guild of mountain stream insects. *Oikos* 54:107-116.
- 1295 Bertsch, P.M., W.P. Miller, M.A. Anderson, and L.W. Zelazny. 1989. Coprecipitation of iron and aluminum during titration of mixed Al^{3+} , Fe^{3+} solutions. *Clay and Minerals* 37:12-18.
- 1296 Taylor, B.E. 1988. Analyzing population dynamics of zooplankton. *Limnology and Oceanography* 33:1266-1273.
- 1297 Vitt, L.J. 1988. Feeding responses of skinks (*Eumeces laticeps*) to velvet ants (*Dasymutilla occidentalis*). *Journal of Herpetology* 22:485-488.
- 1298 Hodgson, M.E., J.R. Jensen, H.E. Mackey Jr., and M.C. Coulter. 1988. Monitoring wood stork foraging habitat using remote sensing and geographic information systems. *Photogrammetric Engineering and Remote Sensing* 11:1601-1607.
- 1299 Meffe, G.K. and A.L. Sheldon. 1988. The influence of habitat structure on fish assemblage structure in southeastern blackwater streams. *The American Midland Naturalist* 120:225-240.
- 1300 Alberts, J.J., M.F. Weber, and D.W. Evans. 1988. The effect of pH and contact time on the concentration of As (III) and As (V) in coal ash systems. *Environmental Technology Letters* 9:63-70.
- 1301 Pechmann, J.H.K., D.E. Scott, J.W. Gibbons, and R.D. Semlitsch. 1989. Influence of wetland hydroperiod on diversity and abundance of metamorphosing juvenile amphibians. *Wetlands Ecology and Management* 1:3-11.
- 1302 Lovich, J.E. 1989. The spotted turtles of Cedar Bog: historical analysis of a declining population. p. 23-28. In Cedar Bog Symposium II, edited by R.C. Glotzhober, A. Kochman, and W.T. Schultz. Columbus, OH.
- 1303 Newman, M.C. and R. Mealy. 1988. Multivariate methods used to dissect water chemistry data from systems receiving thermal effluent. p. 165-185. In The

- Southeastern Workshop on Ecological Effects of Power Generation, edited by K. Mahadevan, R.K. Evans, P. Behrens, T. Biffar, and L. Olsen. Mote Marine Laboratory, Sarasota, FL.
- 1304 Brisbin, I.L., Jr. 1989. Radiocesium levels in a population of American alligators: a model for the study of environmental contaminants in free-living crocodilians. In Crocodiles: Proceedings of the 8th Working Meeting of the Crocodile Specialist Group of the Species Survival Commission of the International Union for Conservation of Nature and Natural Resources, IUCN. Quito, Ecuador.
- 1305 Staton, M.A., I.L. Brisbin Jr., and G.M. Pesti. 1986. Feed formulation for alligators: an overview and initial studies. In Crocodiles: Proceedings of the 8th Working Meeting of the Crocodile Specialist Group of the Species Survival Commission of the International Union for Conservation of Nature and Natural Resources, IUCN. Quito, Ecuador.
- 1306 Brisbin, I.L., Jr. and M.A. McDonald. 1986. Genetic patterns and the conservation of crocodilians: a review of strategies and options. In Crocodiles: Proceedings of the 8th Working Meeting of the Crocodile Specialist Group of the Species Survival Commission of the International Union for Conservation of Nature and Natural Resources, IUCN. Quito, Ecuador.
- 1307 Gibbons, J.W. 1988. The management of amphibians, reptiles and small mammals in North America: the need for an environmental attitude adjustment. p. 4-10. In Management of Amphibians, Reptiles and Small Mammals in North America, U.S. Department of Agriculture. Flagstaff, AZ.
- 1308 Rader, R.B. and J.V. Ward. 1989. Influence of impoundments on mayfly diets, life histories, and production. *Journal of the North American Benthological Society* 8:64-73.
- 1309 Cooper, W.E., Jr. and L.J. Vitt. 1989. Prey odor discrimination by the broad-headed skink (*Eumeces laticeps*). *Journal of Experimental Zoology* 249:11-16.
- 1310 Bertsch, P.M. and M.A. Anderson. 1989. Speciation of aluminum in aqueous solutions using ion chromatography. *Analytical Chemistry* 61:535-539.
- 1311 McArthur, J.V. 1988. Aquatic and terrestrial linkages: floodplain functions. p. 107-116. In The Forested Wetlands of the Southern United States, edited by D.D. Hook and R. Lea. U.S. Department of Agriculture, Forest Services, Southeastern Forest Experimental Station. General Technical Report SE-50. Orlando, FL.
- 1312 Novak, J.M., L.M. Smith, and L.D. Vangilder. 1989. Genetic variability within and among wintering populations of brant. *Journal of Heredity* 80:160-163.

- 1313 Congdon, J.D. and R.E. Gatten Jr. 1989. Movements and energetics of nesting *Chrysemys picta*. *Herpetologica* 45:94-100.
- 1314 Ford, N.B. and R.A. Seigel. 1989. Relationships among body size, clutch size, and egg size in three species of oviparous snakes. *Herpetologica* 45:75-83.
- 1315 Cooper, W.E., Jr., S.G. McDowell, and J. Ruffer. 1989. Strike-induced chemosensory searching in the colubrid snakes *Elaphe g. guttata* and *Thamnophis sirtalis*. *Ethology* 81:19-28.
- 1316 Carlson, C.L. and H.L. Ragsdale. 1988. Effects of simulated acid precipitation on cadmium- and zinc-amended soil and soil-pine systems. *Water Air and Soil Pollution* 42:329-339.
- 1317 Conner, W.H. and J.W. Day Jr. 1989. Response of coastal wetland forests to human and natural changes in the environment with emphasis on hydrology. p. 34-43. In The Forested Wetlands of the Southern United States, edited by D.D. Hook and R. Lea. U.S. Department of Agriculture, Forest Services, Southeastern Forest Experimental Station. General Technical Report SE-50. Orlando, FL.
- 1318 Scribner, K.T., J.H. Dowell, and R.J. Warren. 1989. Spatial genetic variability among introduced populations of the ring-necked pheasant. *Southwestern Naturalist* 34:27-34.
- 1319 Jones, R.H., R.R. Sharitz, and K.W. McLeod. 1989. Effects of flooding and root competition on growth of shaded bottomland hardwood seedlings. *The American Midland Naturalist* 121:165-175.
- 1320 Mayer, J.J. 1989. Occurrence of the nine-banded armadillo, *Dasypus novemcinctus* (Mammalia: Edentata), in South Carolina. *Brimleyana* 15:1-5.
- 1321 Allred, P.M. and J.P. Giesy. 1988. Effects of dissolved organic nitrogen enrichment on mass loss and chemical composition on leaf litter being processed in a blackwater stream. *Zeitschrift Fuer Angewandte Zoologie* 325-344.
- 1322 Allred, P.M. and J.P. Giesy. 1988. Use of in situ microcosms to study mass loss and chemical composition of leaf litter being processed in a blackwater stream. *Archiv fuer Hydrobiologie* 114:231-250.
- 1323 Mayack, D.T., J.H. Thorp, and M. Cothran. 1989. Effects of burial and floodplain retention on stream processing of allochthonous litter. *Oikos* 54:378-388.
- 1324 Jones, R.H., R.D. Nyland, and D.J. Raynal. 1989. Response of American beech regeneration to selection cutting of northern hardwoods in New York. *Northern Journal of Applied Forestry* 61:34-36.

- 1325 Pinder, J.E., III, K.W. McLeod, and D.C. Adriano. 1989. The accuracy of some simple models for predicting particulate interception and retention in agricultural systems. *Health Physics* 56:441-450.
- 1326 Vitt, L.J. and W.E. Cooper Jr. 1989. Maternal care in skinks (*Eumeces*). *Journal of Herpetology* 23:29-34.
- 1327 Elrashidi, M.A., D.C. Adriano, and W.L. Lindsay. 1989. Solubility, speciation, and transformations of selenium in soils. *Soil Science Society of America Journal* 23:51-63.
- 1328 Cooper, W.E., Jr. 1989. Strike-induced chemosensory searching occurs in lizards. *Journal of Chemical Ecology* 15:1311-1320.
- 1329 Avise, J.C., B.W. Bowen, and T. Lamb. 1989. DNA fingerprints from hypervariable mitochondrial genotypes. *Molecular Biology and Evolution* 6:258-269.
- 1330 Mitz, S.V. and M.C. Newman. 1989. Allometric relationship between oxygen consumption and body weight of mosquitofish, *Gambusia affinis*. *Environmental Biology of Fishes* 24:267-273.
- 1331 Loehle, C. 1989. Forest-level analysis of stability under exploitation: depensation responses and catastrophe theory. *Vegetatio* 79:109-115.
- 1332 Mills, G.L., G.S. Douglas, and J.G. Quinn. 1989. Dissolved organic copper isolated by C₁₈ reverse-phase extraction in an anoxic basin located in the Pettaquamscutt River estuary. *Marine Chemistry* 26:277-288.
- 1333 Dalton, B.R. 1989. Physicochemical and biological processes affecting the recovery of exogenously applied ferulic acid from tropical forest soils. *Plant and Soil* 115:13-22.
- 1334 Spotila, J.R. 1989. Constraints of bioenergetics on animal population dynamics: an introduction to the symposium. *Physiological Zoology* 62:195-198.
- 1335 Cooper, W.E., Jr. 1989. Prey odor discrimination in the varanoid lizards *Heloderma suspectum* and *Varanus exanthematicus*. *Ethology* 81:250-258.
- 1336 Cooper, W.E., Jr. 1989. Absence of prey odor discrimination by iguanid and agamid lizards in applicator tests. *Copeia* 1989:472-478.
- 1337 Scribner, K.T., M.H. Smith, and P.E. Johns. 1989. Environmental and genetic components of antler growth in white-tailed deer. *Journal of Mammalogy* 70:284-291.

- 1338 Lovich, J.E. and C.H. Ernst. 1989. Variation in the plastral formulae of selected turtles with comments on taxonomic utility. *Copeia* 1989:304-318.
- 1339 Leberg, P.L., I.L. Brisbin Jr., M.H. Smith, and G.C. White. 1989. Factors affecting the analysis of growth patterns of large mammals. *Journal of Mammalogy* 70:275-283.
- 1340 Stuwe, M. and K.T. Scribner. 1989. Low genetic variability in reintroduced alpine ibex (*Capra ibex ibex*) populations. *Journal of Mammalogy* 70:370-373.
- 1341 Spotila, J.R., E.A. Standora, D.P. Easton, and P.S. Rutledge. 1989. Bioenergetics, behavior, and resource partitioning in stressed habitats: biophysical and molecular approaches. *Physiological Zoology* 62:253-285.
- 1342 Congdon, J.D. 1989. Proximate and evolutionary constraints on energy relations of reptiles. *Physiological Zoology* 62:356-373.
- 1343 Robbins, L.W., D.K. Tolliver, and M.H. Smith. 1989. Nondestructive methods of obtaining genotypic data from fish. *Conservation Biology* 3:88-91.
- 1344 Bertsch, P.M., M.A. Anderson, and W.J. Layton. 1989. Aluminum-27 nuclear magnetic resonance studies of ferron-hydroxo-polynuclear Al interactions. *Magnetic Resonance in Chemistry* 27:283-287.
- 1345 Miller, K.V., O.E. Rhodes Jr., T.R. Litchfield, M.H. Smith, and R.L. Marchinton. 1987. Reproductive characteristics of yearling and adult male white-tailed deer. *Proceedings of the Annual Conference of Southeastern Association of Fish and Wildlife Agencies* 41:378-384.
- 1346 Roeding, C.E. and L.A. Smock. 1989. Ecology of macroinvertebrate shredders in a low-gradient sandy-bottomed stream. *Journal of the North American Benthological Society* 8:149-161.
- 1347 Cooper, W.E., Jr. and L.J. Vitt. 1989. Sexual dimorphism of head and body size in an iguanid lizard: paradoxical results. *The American Naturalist* 133:729-735.
- 1348 Brisbin, I.L., Jr., D.D. Breshears, K.L. Brown, M. Ladd, M.H. Smith, M.W. Smith, and A.L. Towns. 1989. Relationships between levels of radiocaesium in components of terrestrial and aquatic food webs of a contaminated streambed and floodplain community. *Journal of Applied Ecology* 26:173-182.
- 1349 Shea, M.M. and M.A. Watson. 1989. Patterns of leaf and flow removal: their effect on fruit growth in *Chamaenerion angustifolium* (fireweed). *American Journal of Botany* 76:884-890.

- 1350 Donovan, L.A., N.J. Stumpff, and K.W. McLeod. 1989. Thermal flooding injury of woody swamp seedlings. *Journal of Thermal Biology* 14:147-154.
- 1351 Dalton, B.R., U. Blum, and S.B. Weed. 1989. Differential sorption of exogenously applied ferulic, *p*-Coumaric, *p*-hydroxybenzoic, and vanillic acids in soil. *Soil Science Society of America Journal* 53:757-762.
- 1352 Zimmerman, L.C., E.A. Standora, and J.R. Spotila. 1989. Behavioural thermoregulation of largemouth bass (*Micropterus salmoides*): response of naive fish to the thermal gradient in a nuclear reactor cooling reservoir. *Journal of Thermal Biology* 14:123-132.
- 1353 Brisbin, I.L., Jr. 1989. Feral animals and zoological parks: conservation concerns for a neglected component of the world's biodiversity. p. 523-530. In Regional Conference Proceedings of the American Association of Zoological Parks and Aquariums, Atlanta, GA.
- 1354 Barnhisel, R.I. and P.M. Bertsch. 1989. Chapter 15. Chlorites and hydroxy-interlayered vermiculite and smectite. In Minerals in Soil Environments, p. 729-788. 2nd ed. Vol. 1 in SSSA Book Series. Soil Science Society of America. Madison, WI.
- 1355 Leff, L.G. and J.V. McArthur. 1989. Microbial colonization of limnephilid caddisfly larvae cases. *Archiv fuer Hydrobiologie* 116:81-84.
- 1356 Hepp, G.R., R.A. Kennamer, and W.F. Harvey IV. 1989. Recruitment and natal philopatry of wood ducks. *Ecology* 70:897-903.
- 1357 Diamond, S.A., M.C. Newman, M. Mulvey, P.M. Dixon, and D. Martinson. 1989. Allozyme genotype and time to death of mosquitofish, *Gambusia affinis* (Baird and Girard), during acute exposure to inorganic mercury. *Environmental Toxicology and Chemistry* 8:613-622.
- 1358 Ornes, W.H. and D.I. Kaplan. 1989. Macronutrient status of tall and short forms of *Spartina alterniflora* in a South Carolina salt marsh. *Marine Ecology Progress Series* 55:63-72.
- 1359 Leff, L.G. and M.D. Bachmann. 1988. Basis of selective predation by the aquatic larvae of the salamander, *Ambystoma tigrinum*. *Freshwater Biology* 19:87-94.
- 1360 Bergan, J.F., L.M. Smith, and J.J. Mayer. 1989. Time-activity budgets of diving ducks wintering in South Carolina. *Journal of Wildlife Management* 53:769-776.
- 1361 Harvey, W.F., IV., G.R. Hepp, and R.A. Kennamer. 1989. Body mass dynamics of wood ducks during incubation: individual variation. *Canadian Journal of Zoology* 67:570-574.

- 1362 Newman, M.C. and A.W. McIntosh. 1989. Appropriateness of *Aufwuchs* as a monitor of bioaccumulation. *Environmental Pollution* 60:83-100.
- 1363 Newman, M.C., S.A. Diamond, M. Mulvey, and P. Dixon. 1989. Allozyme genotype and time to death of mosquitofish, *Gambusia affinis* (Baird and Girard) during acute toxicant exposure: a comparison of arsenate and inorganic mercury. *Aquatic Toxicology* 15:141-156.
- 1364 Congdon, J.D., R.E. Gatten Jr., and S.J. Morreale. 1989. Overwintering activity of box turtles (*Terrapene carolina*) in South Carolina. *Journal of Herpetology* 23:179-181.
- 1365 Leff, L.G. and J.V. McArthur. 1989. Notes on the use of wood refugia by *Physella heterostropha* (Say) in a thermally disturbed swamp. *Journal of Thermal Biology* 14:179-182.
- 1366 McGregor, J.H. and W.R. Teska. 1989. Olfaction as an orientation mechanism in migrating *Ambystoma maculatum*. *Copeia* 1989:779-781.
- 1367 Ernst, C.H., R.T. Zappalorti, and J.E. Lovich. 1989. Overwintering sites and thermal relations of hibernating bog turtles, *Clemmys muhlenbergii*. *Copeia* 1989:
- 1368 Kelly, M.S. 1989. Distribution and biomass of aquatic macrophytes in an abandoned nuclear cooling reservoir. *Aquatic Botany* 35:133-152.
- 1369 Jackson, M.E., D.E. Scott, and R.A. Estes. 1989. Determinants of nest success in the marbled salamander (*Ambystoma opacum*). *Canadian Journal of Zoology* 67:2277-2281.
- 1370 Congdon, J.D. and J.W. Gibbons. 1989. Posthatching yolk reserves in hatchling American alligators. *Herpetologica* 45:305-309.
- 1371 Lydeard, C., M. Mulvey, and J.M. Aho. 1989. Genetic variability among natural populations of the liver fluke *Fascioloides magna* in white-tailed deer, *Odocoileus virginianus*. *Canadian Journal of Zoology* 67:2021-2025.
- 1372 Moran, M.A. and R.E. Hodson. 1989. Bacterial secondary production on vascular plant detritus: relationships to detritus composition and degradation rate. *Applied and Environmental Microbiology* 55:2178-2189.
- 1373 Dixon, P.M. and R.E. Cook. 1989. Science, planning, and the recovery of endangered plants. *Endangered Species Update* 6:9-14.

- 1374 Newman, M.C., P.M. Dixon, B.B. Looney, and J.E. Pinder III. 1989. Estimating mean and variance for environmental samples with below detection limit observations. *Water Resources Bulletin* 25:905-916.
- 1375 Leff, L.G. and J.V. McArthur. 1989. The effect of leaf pack composition on processing: a comparison of mixed and single species packs. *Hydrobiologia* 182:219-224.
- 1376 Newman, M.C. and D.K. Doubet. 1989. Size-dependence of mercury (II) accumulation kinetics in the mosquitofish, *Gambusia affinis* (Baird and Girard). *Archives of Environmental Contamination and Toxicology* 18:819-825.
- 1377 Conner, W.H. and M. Brody. 1989. Rising water levels and the future of southeastern Louisiana swamp forests. *Estuaries* 12:318-323.
- 1378 Carlson, C.L., D.I. Kaplan, and D.C. Adriano. 1989. Effects of selenium on germination and radicle elongation of selected agronomic species. *Environmental and Experimental Botany* 29:493-498.
- 1379 Hauer, F.R. 1989. Organic matter transport and retention in a blackwater stream recovering from flow augmentation and thermal discharge. *Regulated Rivers: Research and Management* 4:371-380.
- 1380 Aho, J.M. 1990. Helminth communities of amphibians and reptiles: comparative approaches to understanding patterns and processes. In Parasite Communities: Patterns and Processes, edited by G.W. Esch, A.O. Bush, and J.M. Aho. p. 157-195. Chapman and Hall. New York, NY.
- 1381 Harvey, W.F., IV., G.R. Hepp, and R.A. Kennamer. 1989. Age determination of female wood ducks during the breeding season. *Wildlife Society Bulletin* 17:254-258.
- 1382 Pinder, J.E., III and K.W. McLeod. 1989. Mass loading of soil particles on plant surfaces. *Health Physics* 57:935-942.
- 1383 Bertsch, P.M. 1989. Aqueous polynuclear aluminum species. In The Environmental Chemistry of Aluminum, edited by G. Sposito. p. 87-115. CRC Press, Inc. Boca Raton, FL.
- 1384 Bertsch, P.M. 1989. Aluminum speciation: methodology and applications. In Advances in Environmental Science. Acidic Precipitation, edited by D.C. Adriano and W. Salomons. p. 63-105. Vol. Vol. 4. Springer-Verlag. New York, NY.

- 1385 Jones, R.H. and K.W. McLeod. 1989. Shade tolerance in seedlings of Chinese tallow tree, American sycamore, and cherrybark oak. *Bulletin of the Torrey Botanical Club* 116:371-377.
- 1386 Bergan, J.F. and L.M. Smith. 1989. Differential habitat use by diving ducks wintering in South Carolina. *Journal of Wildlife Management* 53:1117-1126.
- 1387 Ford, N.B. and R.A. Seigel. 1989. Phenotypic plasticity in reproductive traits: evidence from a viviparous snake. *Ecology* 70:1768-1774.
- 1388 Dalton, B.R., U. Blum, and S.B. Weed. 1989. Plant phenolic acids in soils: sorption of ferulic acid by soil and soil components sterilized by different techniques. *Soil Biology and Biochemistry* 21:1011-1018.
- 1389 Collins, B.S. and G.R. Wein. 1990. Water relations and growth of *Heterotheca subaxillaris* in different soil and watering treatments in the greenhouse. *Environmental and Experimental Botany* 30:67-73.
- 1390 Anderson, M.A., P.M. Bertsch, and W.P. Miller. 1989. Exchange and apparent fixation of lithium in selected soils and clay minerals. *Soil Science* 148:46-52.
- 1391 Wallin, J.E. 1989. Bluehead chub (*Nocomis leptcephalus*) nests used by yellowfin shiners (*Notropis lutipinnis*). *Copeia* 1989:1077-1080.
- 1392 Semlitsch, R.D. and J.W. Gibbons. 1989. Lack of largemouth bass predation on hatchling turtles (*Trachemys scripta*). *Copeia* 1989:1030-1031.
- 1393 Haines, B.L. and C.L. Carlson. 1989. Effects of acid precipitation on trees. In Advances in Environmental Science. Acidic Precipitation: Biological and Ecological Effects, edited by D.C. Adriano and A.H. Johnson. p. 1-27. Vol. Vol. 2. Springer-Verlag. New York, NY.
- 1394 Jones, R.H. and R.R. Sharitz. 1989. Potential advantages and disadvantages of germinating early for trees in floodplain forests. *Oecologia* 81:443-449.
- 1395 Loehle, C. 1989. Catastrophe theory in ecology: a critical review and an example of the butterfly catastrophe. *Ecological Modelling* 49:125-152.
- 1396 Mills, G.L., D.I. Kaplan, D. Schwind, and D.C. Adriano. 1989. Surface-facilitated chemical degradation of tetraphenylboron in soil. *Journal of Environmental Quality* 19:135-140.
- 1397 Segal, D.S., R.H. Jones, and R.R. Sharitz. 1990. Release of NH₄-N, NO₃-N, and PO₄-P from litter in two bottomland hardwood forests. *The American Midland Naturalist* 123:160-170.

- 1398 Mayer, J.J., R.A. Kennamer, and F.A. Brooks. 1988. First nesting record for the bald eagle on the Savannah River Plant. *The Chat* 52:29-32.
- 1399 Cooper, W.E., Jr. and G.M. Burghardt. 1990. A comparative analysis of scoring methods for chemical discrimination of prey by squamate reptiles. *Journal of Chemical Ecology* 16:45-65.
- 1400 Carlson, C.A., F.M. Phillips, D. Elmore, and H.W. Bentley. 1990. Chlorine-36 tracing of salinity sources in the Dry Valleys of Victoria Land, Antarctica. *Geochimica et Cosmochimica Acta* 54:311-318.
- 1401 Brisbin, I.L., Jr., M.C. Newman, S.G. McDowell, and E.L. Peters. 1990. Prediction of contaminant accumulation by free-living organisms: applications of a sigmoidal model. *Environmental and Toxicological Chemistry* 9:141-149.
- 1402 Kaplan, D.I., D.C. Adriano, C.L. Carlson, and K.S. Sajwan. 1990. Vanadium: toxicity and accumulation by beans. *Water Air and Soil Pollution* 49:81-91.
- 1403 Ainley, D.G., H.R. Carter, D.W. Anderson, K.T. Briggs, M.C. Coulter, F. Cruz, J.B. Cruz, C.A. Valle, S.I. Fefer, S.A. Hatch, E.A. Schreiber, R.W. Schreiber, and N.G. Smith. 1990. Effects of the 1982-1983 El Nino - southern oscillation on Pacific Ocean bird populations. p. 1747-1758. In Acta XIX Congressus Internationalis Ornithologici, Vol. II. ACIO. Ottawa, Canada.
- 1404 Scott, D.E. 1990. Effects of larval density in *Ambystoma opacum*: An experiment in large-scale field enclosures. *Ecology* 71:296-306.
- 1405 Palmer, M.W. and P.M. Dixon. 1990. Small-scale environmental heterogeneity and the analysis of species distributions along gradients. *Journal of Vegetation Science* 1:57-65.
- 1406 Taylor, B.E., G.A. Wyngaard, and D.L. Mahoney. 1990. Hatching of *Diatomus stagnalis* eggs from a temporary pond after a prolonged dry period. *Archiv fuer Hydrobiologie* 117:271-278.
- 1407 Huenneke, L.F. and R.R. Sharitz. 1990. Substrate heterogeneity and regeneration of a swamp tree, *Nyssa aquatica*. *American Journal of Botany* 77:413-419.
- 1408 Day, F.P., Jr., J.P. Megonigal, and L.C. Lee. 1989. Cypress root decomposition in experimental wetland mesocosms. *Wetlands* 9:263-282.
- 1409 Conner, W.H. and K. Flynn. 1989. Growth and survival of baldcypress (*Taxodium distichum* [L.] Rich.) planted across a flooding gradient in a Louisiana bottomland forest. *Wetlands* 9:207-217.

- 1410 Frazer, N.B., J.W. Gibbons, and J.L. Greene. 1990. Exploring Fabens' growth interval model with data on a long-lived vertebrate *Trachemys scripta* (Reptilia: Testudinata). *Copeia* 1990:112-118.
- 1411 Meffe, G.K. 1990. Offspring size variation in eastern mosquitofish (*Gambusia holbrooki*: Poeciliidae) from contrasting thermal environments. *Copeia* 1990:10-18.
- 1412 Cooper, W.E., Jr. 1990. Prey odor detection by Teiid and Lacertid lizards and the relationship of prey odor detection to foraging mode in lizard families. *Copeia* 1990:237-242.
- 1413 Rader, R.B. and J.V. Ward. 1990. Diel migration and microhabitat distribution of a benthic stream assemblage. *Canadian Journal of Fisheries and Aquatic Sciences* 47:711-718.
- 1414 Lamb, T., J.M. Novak, and D.L. Mahoney. 1990. Morphological asymmetry and interspecific hybridization: a case study using hylid frogs. *Journal of Evolutionary Biology* 3:295-309.
- 1415 Ernst, C.H. and J.E. Lovich. 1990. A new species of *Cuora* (Reptilia: Testudines: Emydidae) from the Ryukyu Islands. *Proceedings of the Biological Society of Washington* 103:26-34.
- 1416 Schupp, E.W. 1990. Annual variation in seedfall, postdispersal predation, and recruitment of a neotropical tree. *Ecology* 71:504-515.
- 1417 Meffe, G.K. and A.L. Sheldon. 1990. Post-defaunation recovery of fish assemblages in Southeastern blackwater streams. *Ecology* 71:657-667.
- 1418 Leberg, P.L. and M.L. Kennedy. 1988. Demography and habitat relationships of raccoons in western Tennessee. *Proceedings of the Annual Conference of Southeastern Association of Fish and Wildlife Agencies* 42:272-282.
- 1419 Shorten, C.V., A.W. Elzerman, and G.L. Mills. 1990. Methods for the determination of PAH desorption kinetics in coal fines and coal contaminated sediments. *Chemosphere* 20:137-159.
- 1420 Mathews, N.E. and K.W. Dyer. 1990. Floodplain vegetation phenology in the southeast USA: optimizing the timing of aerial imagery acquisition. *Wetlands Ecology and Management* 1:65-72.
- 1421 Moorhead, K.K. 1990. Diversity of hydric soils in North Carolina, USA. *Environmental Management* 14:241-247.

- 1422 Anderson, M.A., P.M. Bertsch, and W.P. Miller. 1990. Beryllium in selected southeastern soils. *Journal of Environmental Quality* 19:347-348.
- 1423 Leberg, P.L., M.H. Smith, and O.E. Rhodes. 1990. The association between heterozygosity and growth of deer fetuses is not explained by effects of the loci examined. *Evolution* 44:454-458.
- 1424 Collins, B.S. and J.E. Pinder III. 1990. Spatial distribution of forbs and grasses in a South Carolina oldfield. *Journal of Ecology* 78:66-76.
- 1425 Newman, M.C. and P.M. Dixon. 1990. UNCENSOR: A program to estimate means and standard deviations for data sets with below detection limit observations. *American Environmental Laboratory* 4:26-30.
- 1426 Williams, J.B. and J.E. Pinder III. 1990. Ground water flow and runoff in a coastal plain stream. *Water Resources Bulletin* 26:343-352.
- 1427 Bertsch, P.M. 1990. The hydrolytic products of aluminum and their biological significance. *Environmental Geochemistry and Health* 12:7-14.
- 1428 Mahoney, D.L., M.A. Mort, and B.E. Taylor. 1990. Species richness of Calanoid copepods, cladocerans and other branchiopods in Carolina bay and temporary ponds. *The American Midland Naturalist* 123:244-258.
- 1429 Schneider, R.L., N.E. Martin, and R.R. Sharitz. 1989. Impact of dam operations on hydrology and associated floodplain forest of Southeastern rivers. p. 1113-1122. In Freshwater Wetlands and Wildlife, edited by R.R. Sharitz and J.W. Gibbons. U.S. Department of Energy Office of Scientific and Technical Information. CONF-8603101, DOE Symposium Series No. 61. Oak Ridge, TN.
- 1430 Brinson, M.M. and L.C. Lee. 1989. In-kind mitigation for wetland loss: statement of ecological issues and evaluation of examples. p. 1069-1085. In Freshwater Wetlands and Wildlife, edited by R.R. Sharitz and J.W. Gibbons. U.S. Department of Energy Office of Scientific and Technical Information. CONF-8603101. DOE Symposium Series No. 61. Oak Ridge, TN.
- 1431 Taylor, B.E., D.L. Mahoney, and R.A. Estes. 1989. Zooplankton production in a Carolina bay. p. 425-435. In Freshwater Wetlands and Wildlife, edited by R.R. Sharitz and J.W. Gibbons. U.S. Department of Energy, Office of Scientific and Technical Information. CONF-8603101, DOE Symposium Series No. 61. Oak Ridge, TN.
- 1432 Meffe, G.K. 1989. Fish utilization of springs and cienegas in the arid Southwest. p. 475-485. In Freshwater Wetlands and Wildlife, edited by R.R. Sharitz and J.W. Gibbons. U.S. Department of Energy, Office of Scientific and Technical Information. CONF-8603101, DOE Symposium Series No. 61. Oak Ridge, TN.

- 1433 Congdon, J.D. and J.W. Gibbons. 1989. Biomass productivity of turtles in freshwater wetlands: a geographic comparison. p. 583-592. In Freshwater Wetlands and Wildlife, edited by R.R. Sharitz and J.W. Gibbons. U.S. Department of Energy, Office of Scientific and Technical Information. CONF-8603101, DOE Symposium Series No. 61. Oak Ridge, TN.
- 1434 King, C.E. and M.C. Coulter. 1989. Status of storks in zoos: 1987 world survey. *International Zoo Yearbook* 28:225-229.
- 1435 Mills, G.L. and D. Schwind. 1990. Photochemical degradation rates of tetraphenylborate and diphenylboric acid sensitized by dissolved organic matter in stream water. *Environmental Toxicology and Chemistry* 9:569-574.
- 1436 Young, D.P., Jr. 1990. Resource defense by a migrating song sparrow. *Journal of Field Ornithology* 61:232-236.
- 1437 Smith, M.H., K.T. Scribner, L.H. Carpenter, and R.A. Garrott. 1990. Genetic characteristics of Colorado mule deer (*Odocoileus hemionus*) and comparisons with other cervids. *Southwestern Naturalist* 35:1-8.
- 1438 Newman, M.C. and J.F. Schalles. 1990. The water chemistry of Carolina bays: A regional survey. *Archives of Environmental Contamination and Toxicology* 118:147-168.
- 1439 Kovacic, D.A., A.A. Leff, T.G. Ciravolo, and K.W. McLeod. 1989. Potential cation leaching losses following disturbance across a Southeastern coastal plain landscape gradient. p. 113-126. In Freshwater Wetlands and Wildlife, edited by R.R. Sharitz and J.W. Gibbons. U.S. Department of Energy, Office of Scientific and Technical Information. CONF-8603101, DOE Symposium Series No. 61. Oak Ridge, TN.
- 1440 Roosenburg, W.M., J.R. Spotila, T.A. Tuel, E.A. Standora, H.W. Avery, and J.M. Aho. 1989. Population response to stress: population structure and movement of largemouth bass in a nuclear reactor cooling reservoir. p. 567-582. In Freshwater Wetlands and Wildlife, edited by R.R. Sharitz and J.W. Gibbons. U.S. Department of Energy, Office of Scientific and Technical Information. CONF-8603101, DOE Symposium Series No. 61. Oak Ridge, TN.
- 1441 Staton, M.A., L. McNease, T. Joanen, I.L. Brisbin Jr., and H.M. Edwards Jr. 1990. Supplemented nutria (*Myocastor coypu*) meat as a practical feed for American alligators (*Alligator mississippiensis*). p. 199-220. In 9th Working Meeting of the Crocodile Specialist Group of the Species Survival Commission of IUCN - The World Conservation Union, IUCN. Lae, Papua New Guinea.

- 1442 Dixon, P.M. and B. May. 1990. Genetic diversity and population structure of a rare plant, northern monkshood (*Aconitum noveboracense*). New York State Museum Bulletin 471:167-175.
- 1443 DeBiase, A.E., R.W. Sanders, and K.G. Porter. 1990. Relative nutritional value of ciliate protozoa and algae as food for *Daphnia*. Microbial Ecology 19:199-210.
- 1444 Schoenberg, S.A., R. Benner, A. Armstrong, P. Sobecky, and R.E. Hodson. 1990. Effects of acid stress on aerobic decomposition of algal and aquatic macrophyte detritus: direct comparison in a radiocarbon assay. Applied and Environmental Microbiology 56:237-244.
- 1445 Mayer, J.J., I.L. Brisbin Jr., and J.M. Sweeney. 1989. Temporal dynamics of color phenotypes in an isolated population of feral swine. Acta Theriologica 34:247-252.
- 1446 Lovich, J.E., C.H. Ernst, and J.F. McBreen. 1990. Growth, maturity, and dimorphism in the wood turtle, *Clemmys insculpta*. Canadian Journal of Zoology 68:672-677.
- 1447 Cooper, W.E., Jr. 1990. Prey odor discrimination by anguid lizards. Herpetologica 46:183-190.
- 1448 Sajwan, K.S., D.I. Kaplan, B.N. Mitra, and H.K. Pande. 1990. Effects of nitrogen and water management practices on yield, grain quality, and milling out-turn of rice. Applied Agricultural Research 5:198-204.
- 1449 DeSanto, T.L., S.G. McDowell, and K.L. Bildstein. 1990. Plumage and behavioral development of nestling white ibises. The Wilson Bulletin 102:226-238.
- 1450 Kaplan, D.I., W.G. Burkman, D.C. Adriano, G.L. Mills, and K.S. Sajwan. 1990. Determination of boron in soils containing inorganic and organic boron sources. Soil Science Society of America Journal 54:708-714.
- 1451 Staton, M.A., H.M. Edwards Jr., I.L. Brisbin Jr., T. Joanen, and L. McNease. 1990. Protein and energy relationships in the diet of the American alligator (*Alligator mississippiensis*). Journal of Nutrition 1990:775-785.
- 1452 Staton, M.A., H.M. Edwards Jr., I.L. Brisbin Jr., T. Joanen, and L. McNease. 1990. Essential fatty acid nutrition of the American alligator (*Alligator mississippiensis*). Journal of Nutrition 1990:674-685.
- 1453 Richardson, W.B. 1990. A comparison of detritus processing between permanent and intermittent headwater streams. Journal of Freshwater Ecology 5:341-357.

- 1454 Leff, L.G. and J.V. McArthur. 1990. Effect of nutrient content on leaf decomposition in a coastal plain stream: A comparison of green and senescent leaves. *Journal of Freshwater Ecology* 5:269-277.
- 1455 Jones, R.H. and R.R. Sharitz. 1990. Effects of root competition and flooding on growth of Chinese tallow tree seedlings. *Canadian Journal of Forest Research* 20:573-578.
- 1456 Goater, T.M., M. Mulvey, and G.W. Esch. 1990. Electrophoretic differentiation of two *Halipegus* (Trematoda: Hemiuridae) congeners in an amphibian population. *Journal of Parasitology* 76:431-434.
- 1457 Sharitz, R.R., R.L. Schneider, and L.C. Lee. 1990. Chapter 6. Composition and regeneration of a disturbed river floodplain in South Carolina. In Ecological Processes and Cumulative Impacts: Illustrated by Bottomland Hardwood Wetland Ecosystems, edited by J.G. Gosselink, L.C. Lee, and T.A. Muir. p. 195-218. Lewis Publishers, Inc. Chelsea, MI.
- 1458 Dunn, C.P. and R.R. Sharitz. 1990. The history of *Murdannia keisak* (Commelinaceae) in the southeastern United States. *Castanea* 55:122-129.
- 1459 Moorhead, K.K. and K.R. Reddy. 1990. Carbon and nitrogen transformations in wastewater during treatment with *Hydrocotyle umbellata* L. *Aquatic Botany* 37:153-161.
- 1460 Dunn, C.P. and R.R. Sharitz. 1990. The relationship of light and plant geometry to self-thinning of an aquatic annual herb, *Murdannia keisak* (Commelinaceae). *New Phytologist* 115:559-565.
- 1461 Donovan, L.A., K.W. McLeod, and K.L. Grant. 1990. Direct heat injury of roots of woody swamp species. *Journal of Thermal Biology* 15:245-249.
- 1462 Bandoni, S.M., M. Mulvey, D.K. Koech, and E.S. Loker. 1990. Genetic structure of Kenyan populations of *Biomphalaria pfeifferi* (Gastropoda: Planorbidae). *Journal of Molluscan Studies* 56:383-391.
- 1463 Gibbons, J.W. and J.E. Lovich. 1990. Sexual dimorphism in turtles with emphasis on the slider turtle (*Trachemys scripta*). *Herpetological Monographs* 4:1-29.
- 1464 Kovacic, D.A., T.G. Ciravolo, K.W. McLeod, and J.S. Erwin. 1990. Potential nitrate leaching losses and nitrogen mineralization in an Atlantic Coastal Plain watershed following disturbance: Preliminary results. In Ecological Processes and Cumulative Impacts: Illustrated by Bottomland Hardwood Wetland Ecosystems, edited by J.G. Gosselink, L.C. Lee, and T.A. Muir. p. 103-122. Lewis Publishers, Inc. Chelsea, MI.

- 1465 Gibbons, J.W. 1990. Chapter 1. The slider turtle. In Life History and Ecology of the Slider Turtle, edited by J.W. Gibbons. p. 3-18. Smithsonian Institution Press. Washington, DC.
- 1466 Gibbons, J.W. 1990. Chapter 2. Turtle studies at SREL: A research perspective. In Life History and Ecology of the Slider Turtle, edited by J.W. Gibbons. p. 19-44. Smithsonian Institution Press. Washington, D.C.
- 1467 Congdon, J.D. and J.W. Gibbons. 1990. Chapter 3. The evolution of turtle life histories. In Life History and Ecology of the Slider Turtle, edited by J.W. Gibbons. p. 45-54. Smithsonian Institution Press. Washington, D.C.
- 1468 Smith, M.H. and K.T. Scribner. 1990. Chapter 6. Population genetics of the slider turtle. In Life History and Ecology of the Slider Turtle, edited by J.W. Gibbons. p. 74-81. Smithsonian Institution Press. Washington, D.C.
- 1469 Congdon, J.D. and J.W. Gibbons. 1990. Chapter 8. Turtle eggs: their ecology and evolution. In Life History and Ecology of the Slider Turtle, edited by J.W. Gibbons. p. 109-123. Smithsonian Institution Press. Washington, D.C.
- 1470 Gibbons, J.W. and J.L. Greene. 1990. Chapter 9. Reproduction in the slider and other species of turtles. In Life History and Ecology of the Slider Turtle, edited by J.W. Gibbons. p. 124-134. Smithsonian Institution. Washington, D.C.
- 1471 Dunham, A.E. and J.W. Gibbons. 1990. Chapter 10. Growth of the slider turtle. In Life History and Ecology of the Slider Turtle, edited by J.W. Gibbons. p. 135-145. Smithsonian Institution Press. Washington, D.C.
- 1472 Gibbons, J.W. 1990. Chapter 14. Sex ratios and their significance among turtle populations. In Life History and Ecology of the Slider Turtle, edited by J.W. Gibbons. p. 171-182. Smithsonian Institution. Washington, D.C.
- 1473 Frazer, N.B., J.W. Gibbons, and J.L. Greene. 1990. Chapter 15. Life tables of a slider turtle population. In Life History and Ecology of the Slider Turtle, edited by J.W. Gibbons. p. 183-200. Smithsonian Institution Press. Washington, D.C.
- 1474 Gibbons, J.W., J.L. Greene, and J.D. Congdon. 1990. Chapter 16. Temporal and spatial movement patterns of sliders and other turtles. In Life History and Ecology of the Slider Turtle, edited by J.W. Gibbons. p. 201-215. Smithsonian Institution. Washington, D.C.
- 1475 Schubauer, J.P., J.W. Gibbons, and J.R. Spotila. 1990. Chapter 18. Home range and movement patterns of slider turtles inhabiting Par Pond. In Life History and Ecology of the Slider Turtle, edited by J.W. Gibbons. p. 223-232. Smithsonian Institution Press. Washington, DC.

- 1476 Lovich, J.E., C.J. McCoy, and W.R. Garstka. 1990. Chapter 19. The development and significance of melanism in the slider turtle. In Life History and Ecology of the Slider Turtle, edited by J.W. Gibbons. p. 233-256. Smithsonian Institution Press. Washington, D.C.
- 1477 Parmenter, R.R. and H.W. Avery. 1990. Chapter 20. The feeding ecology of the slider turtle. In Life History and Ecology of the Slider Turtle, edited by J.W. Gibbons. p. 257-265. Smithsonian Institution Press. Washington, D.C.
- 1478 Hinton, T.G. and D.E. Scott. 1990. Chapter 21. Radioecological techniques for herpetology, with an emphasis on freshwater turtles. In Life History and Ecology of the Slider Turtle, edited by J.W. Gibbons. p. 267-287. Smithsonian Institution Press. Washington, D.C.
- 1479 Spotila, J.R., R.E. Foley, and E.A. Standora. 1990. Chapter 22. Thermoregulation and climate space of the slider turtle. In Life History and Ecology of the Slider Turtle, edited by J.W. Gibbons. p. 288-298. Smithsonian Institution Press. Washington, D.C.
- 1480 Gibbons, J.W. 1990. Chapter 24. Recommendations for future research on freshwater turtles: what are the questions? In Life History and Ecology of the Slider Turtle, edited by J.W. Gibbons. p. 311-317. Smithsonian Institution Press. Washington, D.C.
- 1481 Newman, M.C. and I.L. Brisbin Jr. 1990. Variation of ^{137}Cs levels between sexes, body sizes and collection localities of mosquitofish, *Gambusia holbrooki* (Girard 1859), inhabiting a reactor cooling reservoir. *Journal of Environmental Radioactivity* 12:131-141.
- 1482 Lovich, J. 1990. Spring movement patterns of two radio-tagged male spotted turtles. *Brimleyana* 16:67-71.
- 1483 Bergan, J.F. 1990. Kleptoparasitism of a river otter, *Lutra canadensis*, by a bobcat, *Felis rufus*, in South Carolina (Mammalia: Carnivora). *Brimleyana* 16:63-65.
- 1484 Kaplan, D.I., D.C. Adriano, and K.S. Sajwan. 1990. Thallium toxicity in bean. *Journal of Environmental Quality* 19:359-365.
- 1485 Richardson, W.B., S.A. Wickham, and S.T. Threlkeld. 1990. Foodweb response to the experimental manipulation of a benthivore (*Cyprinus carpio*), zooplanktivore (*Menidia beryllina*) and benthic insects. *Archiv fuer Hydrobiologie* 119:143-165.
- 1486 Rader, R.B. and J.V. Ward. 1990. Mayfly growth and population density in constant and variable temperature regimes. *The Great Basin Naturalist* 50:97-106.

- 1487 Bildstein, K.L. and I.L. Brisbin Jr. 1990. Lands for long-term research in conservation biology. *Conservation Biology* 4:301-308.
- 1488 Scribner, K.T. and M.H. Smith. 1990. Chapter 18. Genetic variability and antler development. In Horns, Pronghorns, and Antlers. Evolution, Morphology, Physiology, and Social Significance, edited by G.A. Bubenik and A.B. Bubenik. p. 460-473. Springer-Verlag. New York, NY.
- 1489 Gosselink, J.G. and L.C. Lee. 1989. Cumulative impact assessment in bottomland hardwood forests. *Journal of the Society of Wetlands Scientists (Wetlands, Volume 9, Special Issue)* 174 p.
- 1490 Stangel, P.W., J.A. Rodgers Jr., and A.L. Bryan. 1990. Genetic variation and population structure of the Florida wood stork. *Auk* 107:614-619.
- 1491 Dunning, J.B., Jr. and B.D. Watts. 1990. Regional differences in habitat occupancy by Bachman's sparrow. *Auk* 107:463-472.
- 1492 Scribner, K.T. and R.J. Warren. 1990. Seasonal demography and movements of cottontail rabbits on isolated playa basins. *Journal of Wildlife Management* 54:403-409.
- 1493 Anderson, R.A. and L.J. Vitt. 1990. Sexual selection versus alternative causes of sexual dimorphism in teiid lizards. *Oecologia* 84:145-157.
- 1494 Travis, J., J.C. Trexler, and M. Mulvey. 1990. Multiple paternity and its correlates in female *Poecilia latipinna* (Poeciliidae). *Copeia* 1990:722-729.
- 1495 Lamb, T. and J. Lovich. 1990. Morphometric validation of the striped mud turtle (*Kinosternon baurii*) in the Carolinas and Virginia. *Copeia* 1990:613-618.
- 1496 Hernandez-Martich, J.D. and M.H. Smith. 1990. Patterns of genetic variation in eastern mosquitofish (*Gambusia holbrooki* Girard) from the Piedmont and Coastal Plain of three drainages. *Copeia* 1990:619-630.
- 1497 Brandt, L.A. and F.J. Mazzotti. 1990. The behavior of juvenile *Alligator mississippiensis* and *Caiman crocodilus* exposed to low temperature. *Copeia* 1990:867-871.
- 1498 Brinson, M.M. and K.K. Moorhead. 1990. Sea level rise and fringe wetlands in North Carolina: recommendations from a workshop on management and research. *Journal of the Elisha Mitchell Scientific Society* 105:149-157.

- 1499 Leberg, P.L. 1990. Genetic considerations in the design of introduction programs. Transactions of the 55th North American Wildlife and Natural Resources Conference 1990:609-619.
- 1500 Kenamer, R.A., W.F. Harvey IV., and G.R. Hepp. 1990. Embryonic development and nest attentiveness of wood ducks during egg laying. The Condor 92:587-592.
- 1501 Coulter, M.C. 1990. Creation and management of artificial foraging habitat for wood storks. p. 262-267. In Ecosystem Management: Rare species and significant habits. Proceedings from the 15th Annual Natural Areas Conference, edited by R.S. Mitchell, C.J. Sheviak, and D.J. Leopold. New York State Museum, Albany, NY.
- 1502 Lovich, J.E. and J.W. Gibbons. 1990. Age at maturity influences adult sex ratio in the turtle *Malaclemys terrapin*. Oikos 59:126-134.
- 1503 Cooper, W.E., Jr., L.J. Vitt, R. Hedges, and R.B. Huey. 1990. Locomotor impairment and defense in gravid lizards (*Eumeces laticeps*): behavioral shift in activity may offset costs of reproduction in an active forager. Behavioral Ecology and Sociobiology 27:153-157.
- 1504 Leff, L.G., J.L. Burch, and J.V. McArthur. 1990. Spatial distribution, seston removal, and potential competitive interactions of the bivalves *Corbicula fluminea* and *Elliptio complanata* in a coastal plain stream. Freshwater Biology 24:409-416.
- 1505 Plummer, M.V. 1990. High predation on green snakes, *Opheodrys aestivus*. Journal of Herpetology 24:327-328.
- 1506 Hepp, G.R., R.A. Kenamer, and W.F. Harvey IV. 1990. Incubation as a reproductive cost in female wood ducks. Auk 107:756-764.
- 1507 Semlitsch, R.D. and J.W. Gibbons. 1990. Effects of egg size on success of larval salamanders in complex aquatic environments. Ecology 71:1789-1795.
- 1508 Liu, E.H., E.M. Iglich, R.R. Sharitz, and M.H. Smith. 1990. Population genetic structure of baldcypress (*Taxodium distichum*) in a thermally affected swamp forest. Silvae Genetica 39:129-133.
- 1509 McDonald, M.A. and M.H. Smith. 1990. Speciation, heterochrony, and genetic variation in Hispaniolan palm-tanagers. Auk 107:707-717.
- 1510 Teska, W.R., M.H. Smith, and J.M. Novak. 1990. Food quality, heterozygosity, and fitness correlates in *Peromyscus polionotus*. Evolution 44:1318-1325.

- 1511 McAlpine, S. 1990. Continued decline of elk populations within Guadalupe Mountains National Park, Texas. *Southwestern Naturalist* 35:362-363.
- 1512 Pinder, J.E., III, K.W. McLeod, D.C. Adriano, J.C. Corey, and A.L. Boni. 1990. Atmospheric deposition, resuspension, and root uptake of Pu in corn and other grain-producing agroecosystems near a nuclear fuel facility. *Health Physics* 59:853-867.
- 1513 Grant, B.W. 1990. Trade-offs in activity time and physiological performance for thermoregulating desert lizards, *Sceloporus merriami*. *Ecology* 71:2323-2333.
- 1514 Whicker, F.W., J.E. Pinder III, J.W. Bowling, J.J. Alberts, and I.L. Brisbin, Jr. 1990. Distribution of long-lived radionuclides in an abandoned reactor cooling reservoir. *Ecological Monographs* 60:471-496.
- 1515 Grant, B.W. and A.E. Dunham. 1990. Elevational covariation in environmental constraints and life histories of the desert lizard *Sceloporus merriami*. *Ecology* 71:1765-1776.
- 1516 Cooper, W.E., Jr. 1990. Chemical detection of predators by a lizard, the broad-headed skink (*Eumeces laticeps*). *Journal of Experimental Zoology* 256:162-167.
- 1517 Bernard, E.C. 1990. New species, clarifications, and changes in status within *Eosentomon* Berlese (Hexapoda: Protura: Eosentomidae) from the United States. *Proceedings of the Biological Society of Washington* 103:861-890.
- 1518 Jagoe, C.H. and T.A. Haines. 1990. Morphometric effects of low pH and limed water on the gills of Atlantic salmon (*Salmo salar*). *Canadian Journal of Fisheries and Aquatic Sciences* 47:2451-2460.
- 1519 Lamb, T., J.W. Bickham, J.W. Gibbons, M.J. Smolen, and S. McDowell. 1990. Genetic damage in a population of slider turtles (*Trachemys scripta*) inhabiting a radioactive reservoir. *Archives of Environmental Contamination and Toxicology* 20:138-142.
- 1520 Meffe, G.K. 1990. Genetic approaches to conservation of rare fishes: examples from North American desert species. *Journal of Fish Biology* 37A:105-112.
- 1521 Lovich, J.E., W.R. Garstka, and W.E. Cooper Jr. 1990. Female participation in courtship behavior of the turtle *Trachemys s. scripta*. *Journal of Herpetology* 24:422-424.
- 1522 Titus, J.H. 1990. Microtopography and woody plant regeneration in a hardwood floodplain swamp in Florida. *Bulletin of the Torrey Botanical Club* 117:429-437.

- 1523 Meffe, G.K. 1991. Life history changes in eastern mosquitofish (*Gambusia holbrooki*) induced by thermal elevation. *Canadian Journal of Fisheries and Aquatic Sciences* 48:60-66.
- 1524 Jones, R.H. and K.W. McLeod. 1990. Growth and photosynthetic responses to a range of light environments in Chinese tallowtree and Carolina ash seedlings. *Forest Science* 36:851-862.
- 1525 Potter, C.M., I.L. Brisbin, Jr., S.G. McDowell, and F.W. Whicker. 1989. Distribution of ¹³⁷Cs in the American coot (*Fulica americana*). *Journal of Environmental Radioactivity* 9:105-115.
- 1526 Snelson, F.F., Jr., S.H. Gruber, F.L. Murru, and T.H. Schmid. 1990. Southern stingray, *Dasyatis americana*: host for a symbiotic cleaner wrasse. *Copeia* 1990:961-965.
- 1527 Taylor, B.E. and D.L. Mahoney. 1990. Zooplankton in Rainbow Bay, a Carolina bay pond: population dynamics in a temporary habitat. *Freshwater Biology* 24:597-612.
- 1528 Snelson, F.F., Jr. 1990. Redescription, geographic variation, and subspecies of the minnow *Notropis ardens* (Pisces: Cyprinidae). *Copeia* 1990:966-984.
- 1529 Frazer, N.B., J.W. Gibbons, and T.J. Owens. 1990. Turtle trapping: preliminary tests of conventional wisdom. *Copeia* 1990:1150-1152.
- 1530 Garstka, W.R., W.E. Cooper Jr., K.W. Wasmund, and J.E. Lovich. 1991. Male sex steroids and hormonal control of male courtship behavior in the yellow-bellied slider turtle, *Trachemys scripta*. *Comparative Biochemistry and Physiology* 98A:271-280.
- 1531 Boulon, R.H., Jr. and N.B. Frazer. 1990. Growth of wild juvenile Caribbean green turtles, *Chelonia mydas*. *Journal of Herpetology* 24:441-445.
- 1532 Novak, J.M., K.T. Scribner, W.D. DuPont, and M.H. Smith. 1990. Catch-effort estimation of white-tailed deer population size. *Journal of Wildlife Management* 55:31-38.
- 1533 Chesser, R.K. 1991. Gene diversity and female philopatry. *Genetics* 127:437-447.
- 1534 Scribner, K.T., M.H. Smith, R.A. Garrott, and L.H. Carpenter. 1991. Temporal, spatial, and age-specific changes in genotypic composition of mule deer. *Journal of Mammalogy* 72:126-137.

- 1535 LaGory, K.E., C. Bagshaw III, and I.L. Brisbin Jr. 1991. Niche differences between male and female white-tailed deer on Ossabaw Island, Georgia. *Applied Animal Behavior Science* 29:205-214.
- 1536 McCallum, D.A. 1990. Variable cone crops, migration, and dynamics of a population of mountain chickadees (*Parus gambeli*). In Population Biology of Passerine Birds, edited by J.B.e. al. p. 103-116. Vol. Vol. 24. NATO ASI Series "Ecological Sciences," Springer-Verlag. Berlin Heidelberg.
- 1537 Moran, M.A. and R.E. Hodson. 1990. Bacterial production on humic and nonhumic components of dissolved organic carbon. *Limnology and Oceanography* 35:1744-1756.
- 1538 Rosenberg, D.K., C.A. Valle, M.C. Coulter, and S.A. Harcourt. 1990. Monitoring Galapagos penguins and flightless cormorants in the Galapagos Islands. *The Wilson Bulletin* 102:525-532.
- 1539 Tucker, A.D. and N.B. Frazer. 1991. Reproductive variation in leatherback turtles, *Dermochelys coriacea*, at Culebra National Wildlife Refuge, Puerto Rico. *Herpetologica* 47:115-124.
- 1540 Anderson, M.A., L.W. Zelazny, and P.M. Bertsch. 1991. Fluoro-aluminum complexes on model and soil exchangers. *Soil Science Society of America Journal* 55:71-75.
- 1541 Brisbin, I.L., Jr., C.D. McCreedy, H.S. Zippler, and M.A. Staton. 1990. Extended maintenance of American alligators on a dry formulated ration. p. 16-31. In Proceedings of the 10th Working Meeting Crocodile Specialist Group Species Survival Commission of IUCN - The World Conservation Union, Vol. I. IUCN. Gainesville, FL.
- 1542 Carlson, C.A. 1990. Subsurface leachate migration from a reject coal pile in South Carolina. *Water Air and Soil Pollution* 53:345-366.
- 1543 Kaplan, D.I., K.S. Sajwan, D.C. Adriano, and S. Gettier. 1990. Phytoavailability and toxicity of beryllium and vanadium. *Water Air and Soil Pollution* 53:203-212.
- 1544 Pinder, J.E., III, K.W. McLeod, R.F. Lide, and K.C. Sherrod. 1991. Mass loading of soil particles on a pasture grass. *Journal of Environmental Radioactivity* 13:341-354.
- 1545 Odum, E.P. 1991. The Savannah River Site as a National Environmental Research Park. In Integrated Environmental Managment, edited by J. Cairns and T.V. Crawford. p. 79-85. Lewis Publishers. Chelsea, MI.

- 1546 Brisbin, I.L., Jr. 1991. Chapter 2. Avian Radioecology. In Current Ornithology, edited by D.M. Power. p. 69-140. Vol. Vol. 8. Plenum Publishing Corporation.
- 1547 Belk, M.C. and D. Smith. 1991. *Ammospermophilus leucurus*. *Ammospermophilus leucurus* (Merriam, 1889), white-tailed antelope squirrel. *Mammalian Species* 368:1-8.
- 1548 Lovich, J.E. 1990. Gaping behavior in basking eastern painted turtles. *Journal of the Pennsylvania Academy of Science* 64:78-80.
- 1549 Lydeard, C., P.L. Leberg, and M.H. Smith. 1990. Effects of predation on population demography and genetics of the eastern mosquitofish. *Georgia Journal of Science* 48:144-151.
- 1550 Belk, M.C., C.L. Pritchett, and H.D. Smith. 1990. Patterns of microhabitat use by *Sorex monticolus* in summer. *Great Basin Naturalist* 50:387-389.
- 1551 Congdon, J.D. and R.C. van Loben Sels. 1991. Growth and body size in blanding's turtles (*Emydoidea blandingi*): relationships to production. *Canadian Journal of Zoology* 69:239-245.
- 1552 Carlson, C.L., D.C. Adriano, and P.M. Dixon. 1991. Effects of soil-applied selenium on the growth and selenium content of a forage species. *Journal of Environmental Quality* 20:363-368.
- 1553 McCallum, D.A. and P.M. Dixon. 1990. Reducing bias in estimates of the Richards growth function shape parameter. *Growth, Development and Aging* 54:135-141.
- 1554 Boone, J.L., J. Laerm, and M.H. Smith. 1991. The Cumberland Island cotton mouse: a unique subspecies? *Park Science* 10:7.
- 1555 Pinder, J.E., III. 1991. The accuracy of single-layered and multi-layered dynamic filtration models for particulate interception and retention in plant canopies. *Journal of Environmental Radioactivity* 14:37-53.
- 1556 Taylor, B.E., J.M. Aho, D.L. Mahoney, and R.A. Estes. 1991. Population dynamics and food habits of bluegill (*Lepomis macrochirus*) in a thermally stressed reservoir. *Canadian Journal of Fisheries and Aquatic Sciences* 48:768-775.
- 1557 Brisbin, I.L., Jr. 1990. A consideration of feral swine (*Sus scrofa*) as a component of conservation concerns and research priorities for the suidae. *Bongo* 1990:283-293.

- 1558 Frazer, N.B., J.W. Gibbons, and J.L. Greene. 1991. Growth, survivorship and longevity of painted turtles *Chrysemys picta* in a southwestern Michigan marsh. *The American Midland Naturalist* 125:245-258.
- 1559 Hepp, G.R., P. Connolly, R.A. Kennamer, and W.F. Harvey IV. 1991. Wood duck hatch date: Relationship to pairing chronology, plasma leutinizing hormone, and steroid hormones during autumn and winter. *Hormones and Behavior* 25:242-257.
- 1560 Plummer, M.V. 1991. Patterns of feces production in free-living green snakes, *Opheodrys aestivus*. *Journal of Herpetology* 25:222-226.
- 1561 Fischer, R.U., F.J. Mazzotti, J.D. Congdon, and R.E. Gatten Jr. 1991. Post-hatching yolk reserves: parental investment in American alligators from Louisiana. *Journal of Herpetology* 25:253-256.
- 1562 Moorhead, K.K. 1991. Evaluating wetland losses with hydric soils. *Wetlands Ecology and Management* 1:123-129.
- 1563 Staton, M.A., H.M. Edwards Jr., I.L. Brisbin Jr., L. McNease, and T. Joanen. 1990. Dietary energy sources for the American alligator, *Alligator mississippiensis* (Daudin). *Aquaculture* 89:245-261.
- 1564 Chin, P.-K.F. and G.L. Mills. 1991. Kinetics and mechanisms of kaolinite dissolution: effects of organic ligands. *Chemical Geology* 90:307-317.
- 1565 Wyngaard, G.A., B.E. Taylor, and D.L. Mahoney. 1991. Emergence and dynamics of cyclopoid copepods in an unpredictable environment. *Freshwater Biology* 25:219-232.
- 1566 George, L.S., C.E. Dallas, I.L. Brisbin Jr., and D.L. Evans. 1991. Flow cytometric DNA analysis of ducks accumulating ¹³⁷Cs on a reactor reservoir. *Ecotoxicology and Environmental Safety* 21:337-347.
- 1567 Stangel, P.W., J.A. Rodgers Jr., and A.L. Bryan. 1991. Low genetic differentiation between two disjunct white ibis colonies. *Colonial Waterbirds* 14:13-16.
- 1568 Richardson, W.B. 1991. Seasonal dynamics, benthic habitat use, and drift of zooplankton in a small stream in southern Oklahoma, USA. *Canadian Journal of Zoology* 69:748-756.
- 1569 Cooper, W.E., Jr. and L.J. Vitt. 1991. Influence of detectability and ability to escape on natural selection of conspicuous autotomous defenses. *Canadian Journal of Zoology* 69:757-764.

- 1570 Chagnon, N.L. and S.I. Guttman. 1989. Biochemical analysis of allozyme cooper and cadmium tolerance in fish using starch gel electrophoresis. *Environmental Toxicology and Chemistry* 8:1141-1147.
- 1571 Brisbin, I.L., Jr. and S.N. Austad. 1991. Testing the individual odour theory of canine olfaction. *Animal Behaviour* 42:63-69.
- 1572 Titus, J.H. 1991. Seed bank of a hardwood floodplain swamp in Florida. *Castanea* 56:117-127.
- 1573 Wolff, J.O. and D.M. Cicirello. 1991. Comparative paternal and infanticidal behavior of sympatric white-footed mice (*Peromyscus leucopus noveboracensis*) and deermice (*P. maniculatus nubiterrae*). *Behavioral Ecology* 2:38-45.
- 1574 Carlson, C.L. and D.C. Adriano. 1991. Growth and elemental content of two tree species growing on abandoned coal fly ash basins. *Journal of Environmental Quality* 20:581-587.
- 1575 Tadesse, W., J.W. Shuford, R.W. Taylor, D.C. Adriano, and K.S. Sajwan. 1991. Comparative availability to wheat of metals from sewage sludge and inorganic salts. *Water Air and Soil Pollution* 55:397-408.
- 1576 Sandhu, S.S. and G.L. Mills. 1991. Chapter 17. Mechanisms of mobilization and attenuation of inorganic contaminants in coal ash basins. p. 342-364. In Emerging Technologies in Hazardous Waste Management II, edited by D.W. Tedder and F.G. Pohland. American Chemical Society. Atlantic City, NJ.
- 1577 Meffe, G.K. 1991. Failed invasion of a southeastern blackwater stream by bluegills: Implications for conservation of native communities. *Transactions of the American Fisheries Society* 120:333-338.
- 1578 Masters, R.D. and N.E. Mathews. 1990. Notes on reproduction of old (≥ 9 years) free-ranging white-tailed deer, *Odocoileus virginianus*, in the Adirondacks, New York. *Canadian Field-Naturalist* 105:286-287.
- 1579 Dunning, J.B., Jr. and B.D. Watts. 1991. Habitat occupancy by Bachman's sparrow in the Francis Marion National Forest before and after hurricane Hugo. *Auk* 108:723-725.
- 1580 Aho, J.M., A.O. Bush, and R.W. Wolfe. 1991. Helminth parasites of Bowfin (*Amia calva*) from South Carolina. *Journal of the Helminthological Society of Washington* 58:171-175.
- 1581 Pechmann, J.H.K., D.E. Scott, R.D. Semlitsch, J.P. Caldwell, L.J. Vitt, and J.W. Gibbons. 1991. Declining amphibian populations: The problem of separating human impacts from natural fluctuations. *Science* 253:892-895.

- 1582 Schupp, E.W. and D.H. Feener Jr. 1991. Chapter 13. Phylogeny, lifeform, and habitat dependence of ant-defended plants in a Panamanian forest. In Ant-Plant Interactions, edited by C.R. Huxley and D.F. Cutler. p. 175-259. Oxford University Press. Oxford.
- 1583 Seigel, R.A. and N.B. Ford. 1991. Phenotypic plasticity in the reproductive characteristics of an oviparous snake, *Elaphe guttata*: Implications for life history studies. *Herpetologica* 47:301-307.
- 1584 Rhodes, O.E., Jr., L.M. Smith, and M.H. Smith. 1991. Conservation and genetic resources in waterfowl. Transactions of the 56th North American Wildlife and Natural Resources Conference 1991:462-472.
- 1585 Newman, M.C. and M.G. Heagler. 1991. Chapter 4. Allometry of metal bioaccumulation and toxicity. In Metal Ecotoxicology, Concepts and Applications, edited by M.C. Newman and A.W. McIntosh. p. 91-130. Lewis Publishers, Inc. Chelsea, MI.
- 1586 Newman, M.C. 1991. A statistical bias in the derivation of hardness-dependent metals criteria. *Environmental Toxicology and Chemistry* 10:1295-1297.
- 1587 Schultz, D.L. 1991. Parental investment in temporally varying environments. *Evolutionary Ecology* 5:415-427.
- 1588 Chesser, R.K. 1991. Influence of gene flow and breeding tactics on gene diversity within populations. *Genetics* 129:573-583.
- 1589 Odum, E.P. 1987. Early University of Georgia Research, 1952-1962. p. 43-83. In The Savannah River and Its Environs. Proceedings of a Symposium in Honor of Dr. Ruth Patrick, edited by J.C. Corey. E.I. duPont de Nemours and Co., Savannah River Laboratory, Aiken, SC (Available from: U.S. Department of Commerce, National Technical Information Service, DP-1745). Aiken, SC.
- 1590 Vaitkus, M.R. and L.E. Eddleman. 1991. Tree size and understory phytomass production in a western juniper woodland. *Great Basin Naturalist* 51:236-243.
- 1591 Carlson, C.L., D.C. Adriano, K.S. Sajwan, S.L. Abels, D.P. Thoma, and J.T. Driver. 1991. Effects of selected trace metals on germinating seeds of six plant species. *Water Air and Soil Pollution* 59:231-240.
- 1592 Uglem, G.L., O.R. Larson, J.M. Aho, and K.J. Lee. 1991. Fine structure and sugar transport functions of the tegument in *Clinostomum marginatum* (Digenea: Clinostomatidae): Environmental effects on the adult phenotype. *Journal of Parasitology* 77:658-662.

- 1593 Aho, J.M., G.L. Uglem, J.P. Moore, and O.R. Larson. 1991. Bacteria associated with the tegument of *Clinostomum marginatum* (Digenea). *Journal of Parasitology* 77:784-786.
- 1594 Dixon, P.M. and M.C. Newman. 1991. Chapter 8. Analyzing toxicity data using statistical models for time-to-death: An introduction. In Metal Ecotoxicology, Concepts and Applications, edited by M.C. Newman and A.W. McIntosh. p. 207-242. Lewis Publishers, Inc. Chelsea, MI.
- 1595 Leff, L.G., J.L. Burch, and J.V. McArthur. 1991. Bacterial use of dissolved organic carbon from Carolina bays. *The American Midland Naturalist* 126:308-316.
- 1596 Mulvey, M. and S.A. Diamond. 1991. Chapter 11. Genetic factors and tolerance acquisition in populations exposed to metals and metalloids. In Metal Ecotoxicology, Concepts and Applications, edited by M.C. Newman and A.W. McIntosh. p. 301-321. Lewis Publishers, Inc. Chelsea, MI.
- 1597 Brisbin, I.L., Jr. and M.C. Newman. 1991. Sigmoid models for the uptake, concentration and effects of metals in consumer organisms. *Water, Air and Soil Pollution* 57-58:691-696.
- 1598 Ornes, W.H., K.S. Sajwan, M.G. Dosskey, and D.C. Adriano. 1991. Bioaccumulation of selenium by floating aquatic plants. *Water Air and Soil Pollution* 57-58:53-57.
- 1599 Diamond, S.A., M.C. Newman, M. Mulvey, and S.I. Guttman. 1991. Allozyme genotype and time-to-death of mosquitofish, *Gambusia holbrooki*, during acute inorganic mercury exposure: a comparison of populations. *Aquatic Toxicology* 21:119-134.
- 1600 Mulvey, M., J.M. Aho, C. Lydeard, P.L. Leberg, and M.H. Smith. 1991. Comparative population genetic structure of a parasite (*Fascioloides magna*) and its definitive host. *Evolution* 45:1628-1640.
- 1601 Dosskey, M.G., D.C. Adriano, C.E. Murphy, and J.C. Corey. 1991. Effectiveness of a slow-release herbicide system for control of root intrusions into buried hazardous waste. *Hazardous Waste and Hazardous Materials* 8:293-301.
- 1602 Brandt, L.A. 1991. Growth of juvenile alligators in Par Pond, Savannah River Site, South Carolina. *Copeia* 1991:1123-1129.
- 1603 Lydeard, C., M.C. Wooten, and M.H. Smith. 1991. Occurrence of *Gambusia affinis* in the Savannah and Chattahoochee drainages: Previously undescribed geographic contacts between *G. affinis* and *G. holbrooki*. *Copeia* 1991:1111-1116.

- 1604 Rhodes, O.E., Jr., M.H. Smith, and R.K. Chesser. 1991. Prenatal reproductive losses in white-tailed deer. In The Biology of Deer, edited by R.D. Brown. p. 390-397. Springer-Verlag. New York.
- 1605 Leberg, P., M.H. Smith, and I.L. Brisbin Jr. 1991. Influence of sex, habitat and genotype on the growth patterns of white-tailed deer. In The Biology of Deer, edited by R.D. Brown. p. 343-350. Springer-Verlag. New York.
- 1606 Stangel, P. 1991. Genic differentiation among avian populations. p. 2442-2453. In Birds as Indicators of Global Change. Proceedings of the XX International Ornithological Congress, IOC. Christchurch, New Zealand.
- 1607 Brisbin, I.L., Jr. 1991. Birds as indicators of global contamination processes: the Chernobyl connection. p. 2503-2509. In Birds as Indicators of Global Change. Proceedings of the XX International Ornithological Congress, Christchurch, New Zealand.
- 1608 Matthysen, E., S.L.L. Gaunt, and D.A. McCallum. 1991. A note on the vocalizations of the Chinese nuthatch. *The Wilson Bulletin* 103:706-710.
- 1609 Frazer, N.B., J.W. Gibbons, and J.L. Greene. 1991. Life history and demography of the common mud turtle *Kinosternon subrubrum* in South Carolina, USA. *Ecology* 72:2218-2231.
- 1610 Leberg, P.L. 1991. Influences of fragmentation and bottlenecks on genetic divergence of wild turkey populations. *Conservation Biology* 5:522-530.
- 1611 Gatten, R.E., Jr., J.D. Congdon, F.J. Mazzotti, and R.U. Fischer. 1991. Glycolysis and swimming performance in juvenile American alligators. *Journal of Herpetology* 25:406-411.
- 1612 Bryan, A.L., Jr. and M.C. Coulter. 1991. Conspecific aggression in a Wood Stork colony in Georgia. *The Wilson Bulletin* 103:693-697.
- 1613 Brandt, L.A. 1991. Long-term changes in a population of *Alligator mississippiensis* in South Carolina. *Journal of Herpetology* 25:419-424.
- 1614 Dunn, C.P. and R.R. Sharitz. 1991. Population structure, biomass allocation, and phenotypic plasticity in *Murdannia keisak* (Commelinaceae). *American Journal of Botany* 78:1712-1723.
- 1615 Lovich, J.E., A. Tucker D., D.E. Kling, J.W. Gibbons, and T.D. Zimmerman. 1991. Behavior of hatchling diamondback terrapins (*Malaclemys terrapin*) released in a South Carolina salt marsh. *Herpetological Review* 22:81-83.

- 1616 Lovich, J.E., A.F. Laemmerzahl, C.H. Ernst, and J.F. McBreen. 1991. Relationships among turtles of the genus *Clemmys* (Reptilia, Testudines, Emydidae) as suggested by plastron scute morphology. *Zoologica Scripta* 20:425-429.
- 1617 Meffe, G.K. 1992. Plasticity of life-history characters in eastern mosquitofish (*Gambusia holbrooki*: Poeciliidae) in response to thermal stress. *Copeia* 1992:94-102.
- 1618 Novak, J.M., G.L. Mills, and P.M. Bertsch. 1992. Estimating the percent aromatic carbon in soil and aquatic humic substances using ultraviolet absorbance spectrometry. *Journal of Environmental Quality* 21:144-147.
- 1619 Gabriel, W. and B.E. Taylor. 1991. Optimal resource allocation in cladocerans. *Internationale Vereinigung fuer Theoretische und Angewandte Limnologie* 24:2784-2787.
- 1620 McCloskey, J.T. and J.T. Oris. 1991. Effect of water temperature and dissolved oxygen concentration on the photo-induced toxicity of anthracene to juvenile bluegill sunfish (*Lepomis macrochirus*). *Aquatic Toxicology* 21:145-156.
- 1621 Cooper, W.E., Jr. 1992. Elevation in tongue-flick rate after biting prey in the broad-headed skink, *Eumeces laticeps*. *Journal of Chemical Ecology* 18:455-467.
- 1622 Jones, R.H. and R.R. Sharitz. 1990. Dynamics of advance regeneration in four South Carolina bottomland hardwood forests. p. 567-578. In Proceedings of the Sixth Biennial Southern Silvicultural Research Conference, edited by S.S. Coleman and D.G. Neary. U.S. Forest Service, General Technical Report SE-70. Asheville, NC.
- 1623 Hinton, T.G., F.W. Whicker, J.E. Pinder III, and S.A. Ibrahim. 1992. Comparative kinetics of ^{47}Ca , ^{85}Sr and ^{226}Ra in the freshwater turtle, *Trachemys scripta*. *Journal of Environmental Radioactivity* 16:25-47.
- 1624 Wallin, J.E. 1992. The symbiotic nest association of yellowfin shiners, *Notropis lutipinnis*, and bluehead chubs, *Nocomis leptocephalus*. *Environmental Biology of Fishes* 33:287-292.
- 1625 Howland, J.M. 1992. Life history of *Cophosaurus texanus* (Sauria: Iguanidae): Environmental correlates and interpopulational variation. *Copeia* 1992:82-93.
- 1626 Anderson, M.A., P.M. Bertsch, S.B. Feldman, and L.W. Zelazny. 1991. Interactions of acidic metal-rich coal pile runoff with a subsoil. *Environmental Science and Technology* 25:2038-2046.

- 1627 Taylor, B.E. and W. Gabriel. 1992. To grow or not to grow: optimal resource allocation for *Daphnia*. *The American Naturalist* 139:248-266.
- 1628 Kramer, V.J., M.C. Newman, M. Mulvey, and G.R. Ultsch. 1992. Glycolysis and krebs cycle metabolites in mosquitofish, *Gambusia holbrooki*, Girard 1859, exposed to mercuric chloride: allozyme genotype effects. *Environmental Toxicology and Chemistry* 11:357-364.
- 1629 Lee, C.J., M.C. Newman, and M. Mulvey. 1992. Time to death of mosquitofish (*Gambusia holbrooki*) during acute inorganic mercury exposure: population structure effects. *Archives of Environmental Contamination and Toxicology* 22:284-287.
- 1630 Lidicker, W.Z., Jr., J.O. Wolff, L.N. Lidicker, and M.H. Smith. 1992. Utilization of a habitat mosaic by cotton rats during a population decline. *Landscape Ecology* 6:259-268.
- 1631 Novak, J.M. and P.M. Bertsch. 1991. The influence of topography on the nature of humic substances in soil organic matter at a site in the Atlantic coastal plain of South Carolina. *Biogeochemistry* 15:111-126.
- 1632 Parker, D.R. and P.M. Bertsch. 1992. Identification and quantification of the "Al₁₃" tridecameric polycation using ferron. *Environmental Science and Technology* 26:908-914.
- 1633 Parker, D.R. and P.M. Bertsch. 1992. Formation of the "Al₁₃" tridecameric polycation under diverse synthesis conditions. *Environmental Science and Technology* 26:914-921.
- 1634 Heagler, M.G. and M. Mulvey. 1992. Time effects on enzyme activity in the mosquitofish, *Gambusia holbrooki*. *Environmental Toxicology and Chemistry* 11:605-607.
- 1635 Leberg, P.L. 1992. Effects of population bottlenecks on genetic diversity as measured by allozyme electrophoresis. *Evolution* 46:477-494.
- 1636 Rhodes, O.E., Jr., J.M. Novak, M.H. Smith, and P.E. Johns. 1991. Frequency distribution of conception dates in a white-tailed deer herd. *Acta Theriologica* 36:131-140.
- 1637 Ford, N.B. and V. Cobb. 1992. Timing of courtship in two colubrid snakes of the southern United States. *Copeia* 1992:573-577.
- 1638 McDonald, M.A., M.H. Smith, M.W. Smith, J.M. Novak, P.E. Johns, and A.L. DeVries. 1992. Biochemical systematics of notothenioid fishes from Antarctica. *Biochemical Systematics and Ecology* 20:233-241.

- 1639 Stangel, P.W., M.R. Lennartz, and M.H. Smith. 1992. Genetic variation and population structure of red-cockaded woodpeckers. *Conservation Biology* 6:283-292.
- 1640 Holmes, D.J. 1992. Sternal odors as cues for social discrimination by female Virginia opossums, *Didelphis virginiana*. *Journal of Mammalogy* 73:286-291.
- 1641 Lovich, J.E. 1992. Aspects of the ecology of an isolated population of brook trout (*Salvelinus fontinalis*) in Fairfax County, Virginia. *Journal of the Pennsylvania Academy of Science* 65:107-111.
- 1642 K.T. Scribner, M.C. Wooten, M.H. Smith, P.K. Kennedy, and O.E. Rhodes Jr. 1992. Variation in life history and genetic traits of Hawaiian mosquitofish populations. *Journal of Evolutionary Biology* 5:267-288.
- 1643 Scott, D.E. and R.D. Dueser. 1992. Habitat use by insular populations of *Mus* and *Peromyscus*: What is the role of competition? *Journal of Animal Ecology* 61:329-338.
- 1644 Dosskey, M.G. and D.C. Adriano. 1991. Trace metal impact on plants: mediation by soil and mycorrhizae. p. 105-115. In The Deposition and Fate of Trace Metals in Our Environment, edited by E.S. Verry and S.J. Vermette. U.S. Department of Energy, General Technical Report NC-150. Philadelphia, PA.
- 1645 Kramer, V.J., M.C. Newman, and G.R. Ultsch. 1992. Changes in concentrations of glycolysis and Krebs cycle metabolites in mosquitofish, *Gambusia holbrooki*, induced by mercuric chloride and starvation. *Environmental Biology of Fishes* 34:315-320.
- 1646 Spotila, J.R. and M.P. O'Connor. 1992. Introduction to the Workshop: biophysical ecology: methods, microclimates, and models. *American Zoologist* 32:151-153.
- 1647 O'Connor, M.P. and J.R. Spotila. 1992. Consider a spherical lizard: animals, models, and approximations. *American Zoologist* 32:179-193.
- 1648 Grant, B.W. and W.P. Porter. 1992. Modeling global macroclimatic constraints on ectotherm energy budgets. *American Zoologist* 32:154-178.
- 1649 Megonigal, J.P. and F.P. Day. 1992. Effects of flooding on root and shoot production of bald cypress in large experimental enclosures. *Ecology* 73:1182-1193.
- 1650 Sharitz, R.R., L.R. Boring, D.H. Van Lear, and J.E. Pinder III. 1992. Integrating ecological concepts with natural resource management of southern forests. *Ecological Applications* 2:226-237.

- 1651 Sawyer, D.T. and T.T. Fendley. 1990. Seasonal home range size and movement behavior of the gray fox on the Savannah River Site, South Carolina. Proceedings of the Annual Conference of Southeastern Association of Fish and Wildlife Agencies 44:379-389.
- 1652 Lyne, T.B., J.W. Bickham, T. Lamb, and J.W. Gibbons. 1992. The application of bioassays in risk assessment of environmental pollution. Risk Analysis 12:361-365.
- 1653 Frazer, N.B. 1992. Sea turtle conservation and halfway technology. Conservation Biology 6:179-184.
- 1654 Brisbin, I.L., Jr. 1992. Conservation priorities for wild pigs: development of a strategic plan for North American zoos. p. 491-497. In Regional Conference Proceedings of the American Association of Zoological Parks and Aquariums,
- 1655 Pinder, J.E., III, J.J. Alberts, J.W. Bowling, D.M. Nelson, and K.A. Orlandini. 1992. The annual cycle of plutonium in the water column of a warm, monomictic reservoir. Journal of Environmental Radioactivity 17:59-81.
- 1656 Leff, L.G., J.V. McArthur, and L.J. Shimkets. 1992. Information spiraling: movement of bacteria and their genes in streams. Microbial Ecology 24:11-24.
- 1657 Jones, T.R. and J.P. Collins. 1992. Analysis of a hybrid zone between subspecies of the tiger salamander (*Ambystoma tigrinum*) in central New Mexico, USA. Journal of Evolutionary Biology 5:375-402.
- 1658 Rhodes, O.E., Jr. and M.H. Smith. 1992. Genetic perspectives in wildlife management: the case of large herbivores. In Wildlife 2001: Populations, edited by D. McCullough and R. Barrett. p. 985-996. Elsevier Science Publishers, Ltd. New York.
- 1659 Newman, M.C. and M.S. Alpin. 1992. Enhancing toxicity data interpretation and prediction of ecological risk with survival time modeling: An illustration using sodium chloride toxicity to mosquitofish (*Gambusia holbrooki*). Aquatic Toxicology 23:85-96.
- 1660 Schupp, E.W. 1992. The Janzen-Connell model for tropical tree diversity: population implications and the importance of spatial scale. The American Naturalist 140:526-530.
- 1661 Smith, M.H. and O.E. Rhodes Jr. 1992. Genetics and biodiversity in wildlife management. Transactions of the 57th North American Wildlife and Natural Resource Conference 1992:243-251.

- 1662 Meffe, G.K. 1992. Techno-arrogance and halfway technologies: salmon hatcheries on the Pacific Coast of North America. *Conservation Biology* 6:350-354.
- 1663 Seigel, R.A. and N.B. Ford. 1992. Effect of energy input on variation in clutch size and offspring size in a viviparous reptile. *Functional Ecology* 6:382-385.
- 1664 McArthur, J.V., L.G. Leff, and M.H. Smith. 1992. Genetic diversity of bacteria along a stream continuum. *Journal of the North American Benthological Society* 11:269-277.
- 1665 Moorhead, K.K. and A.E. Cook. 1992. A comparison of hydric soils, wetlands, and land use in Coastal North Carolina. *Wetlands* 12:99-105.
- 1666 Schnabel, A. and M.A. Asmussen. 1992. Comparative effects of pollen and seed migration on the cytonuclear structure of plant populations. II. Paternal cytoplasmic inheritance. *Genetics* 132:253-267.
- 1667 Grant, B.W., A.D. Tucker, J.E. Lovich, A.M. Mills, P.M. Dixon, and J.W. Gibbons. 1992. The use of coverboards in estimating patterns of reptile and amphibian biodiversity. In *Wildlife 2001*, edited by D.R. McCullough and R.H. Barrett. p. 379-403. Elsevier Science Publishing, Inc. London, England.
- 1668 Ross, D.A. and J.E. Lovich. 1992. Does the color pattern of two species of turtles imitate duckweed? *Journal of the Pennsylvania Academy of Science* 66:39-42.
- 1669 Hefner, J.M. and K.K. Moorhead. 1991. Mapping pocosins and associated wetlands in North Carolina. *Wetlands II*:377-389.
- 1670 Klubek, B., C.L. Carlson, J. Oliver, and D.C. Adriano. 1992. Characterization of microbial abundance and activity from three coal ash basins. *Soil Biology and Biochemistry* 24:1119-1125.
- 1671 Pappas, M.J. and B.J. Brecke. 1992. Habitat selection of juvenile Blanding's turtles, *Emydoidea blandingii*. *Journal of Herpetology* 26:233-234.
- 1672 Newman, M.C. 1992. Zinc elimination kinetics in mosquitofish: a clarification. *Aquatic Toxicology* 24:153-156.
- 1673 Aldridge, R.D. and R.D. Semlitsch. 1992. Male reproductive biology of the southeastern crowned snake (*Tantilla coronata*). *Amphibia-Reptilia* 13:219-225.
- 1674 Aldridge, R.D. and R.D. Semlitsch. 1992. Female reproductive biology of the southeastern crowned snake (*Tantilla coronata*). *Amphibia-Reptilia* 13:209-218.

- 1675 Novak, J.M., P.M. Bertsch, and G.L. Mills. 1992. Carbon-13 NMR spectra of soil water-soluble organic carbon. *Journal of Environmental Quality* 21:537-539.
- 1676 Dosskey, M.G., L. Boersma, and R.G. Linderman. 1991. Role for the photosynthate demand of ectomycorrhizas in the response of Douglas fir seedlings to drying soil. *New Phytology* 117:327-334.
- 1677 Dosskey, M.G., R.G. Linderman, and L. Boersma. 1992. Comparison of biomass allocation in ectomycorrhizal and nonmycorrhizal Douglas fir seedlings of similar nutrition and overall size. *Plant and Soil* 142:147-150.
- 1678 Berna, H.J. and J.W. Gibbons. 1991. *Agkistrodon piscivorus piscivorus* (Eastern cottonmouth) diet. *Herpetological Review* 22:130-131.
- 1679 Lovich, J.E. and C.J. McCoy. 1992. Review of the *Graptemys pulchra* group (reptilia: testudines: emydidae), with descriptions of two new species. *Annals of Carnegie Museum* 61:293-315.
- 1680 Lovich, J.E. and J.W. Gibbons. 1992. A review of techniques for quantifying sexual size dimorphism. *Growth, Development and Aging* 56:269-281.
- 1681 Fletcher, D.E. and B.M. Burr. 1992. Reproductive biology, larval description, and diet of the North American bluehead shiner, *Pteronotropis hubbsi* (Cypriniformes: Cyprinidae), with comments on conservation status. *Ichthyological Exploration of Freshwaters* 3:193-218.
- 1682 Sobecky, P.A., M.A. Schell, M.A. Moran, and R.E. Hodson. 1992. Adaptation of model genetically engineered microorganisms to lake water: growth rate enhancements and plasmid loss. *Applied and Environmental Microbiology* 58:3630-3637.
- 1683 Holmes, D.J. 1992. Odors as cues for orientation to mothers by weanling Virginia opossums. *Chemical Ecology* 18:2251-2259.
- 1684 Aldridge, R.D. 1992. Oviductal anatomy and seasonal sperm storage in the southeastern crowned snake (*Tantilla coronata*). *Copeia* 1992:1103-1106.
- 1685 Lovich, J.E., D.W. Herman, and K.M. Fahey. 1992. Seasonal activity and movements of bog turtles (*Clemmys muhlenbergii*) in North Carolina. *Copeia* 1992:1107-1111.
- 1686 Depkin, F.C., M.C. Coulter, and A.L. Bryan Jr. 1992. Food of nestling wood storks in east-central Georgia. *Colonial Waterbirds* 15:219-225.
- 1687 Moorhead, K.K. 1992. Wetland resources of coastal North Carolina. *Wetlands* 12:184-191.

- 1688 Richardson, W.B. 1992. Microcrustacea in flowing water: experimental analysis of washout times and a field test. *Freshwater Biology* 28:217-230.
- 1689 Vaitkus, M.R., T.G. Ciravolo, K.W. McLeod, E.M. Mavity, and K.L. Novak. 1993. Growth and photosynthesis of seedlings of five bottomland tree species following nutrient enrichment. *The American Midland Naturalist* 129:42-51.
- 1690 McDiarmid, R.W., D.E. Scott, and A.D. Tucker. 1992. Field research panel: amphibians. p. 53-61. In The Care and Use of Amphibians, Reptiles and Fish in Research, edited by D.O. Schaeffer, K.M. Kleinow, and L. Krulisch. SCAW/LSUSVM. New Orleans, LA.
- 1691 Heagler, M.G., M.C. Newman, M. Mulvey, and P.M. Dixon. 1993. Allozyme genotype in mosquitofish, *Gambusia holbrooki*, during mercury exposure: temporal stability, concentration effects and field verification. *Environmental Toxicology and Chemistry* 12:385-395.
- 1692 Benabib, M. and J.D. Congdon. 1992. Metabolic and water-flux rates of free-ranging tropical lizards *Sceloporus variabilis*. *Physiological Zoology* 65:788-802.
- 1693 Mulvey, M. and J.M. Aho. 1993. Parasitism and mate competition: liver flukes in white-tailed deer. *Oikos* 66:187-192.
- 1694 Shea, M.M., P.M. Dixon, and R.R. Sharitz. 1993. Size differences, sex ratio, and spatial distribution of male and female water tupelo *Nyssa aquatica* (Nyssaceae). *American Journal of Botany* 80:26-30.
- 1695 Herbert, B.E., P.M. Bertsch, and J.M. Novak. 1993. Pyrene sorption by water-soluble organic carbon. *Environmental Science and Technology* 27:298-403.
- 1696 Anderson, R.A. 1993. Analysis of foraging in the lizard, *Cnemidophorus tigris*: salient features and environmental effects. In Biology of Whiptail Lizards (Genus *Cnemidophorus*), edited by J.W. Wright and L.J. Vitt. p. 83-116. Oklahoma Museum of Natural History. Norman, OK.
- 1697 Vitt, L.J. and G.L. Breitenbach. 1993. Life histories and reproductive tactics among lizards in the genus *Cnemidophorus* (Sauria: Teiidae). In Biology of Whiptail Lizards (Genus *Cnemidophorus*), edited by J.W. Wright and L.J. Vitt. p. 211-243. Oklahoma Museum of Natural History. Norman, OK.
- 1698 Floyd, M.A., J.C. Morse, and J.V. McArthur. 1993. Aquatic insects of Upper Three Runs Creek, Savannah River Site, South Carolina. Part IV: Caddisflies (Trichoptera) of the lower reaches. *Journal of Entomological Science* 28:85-95.

- 1699 Jagoe, C.H., V.E. Matey, T.A. Haines, and V.T. Komov. 1993. Effect of beryllium on fish in acid water is analogous to aluminum toxicity. *Aquatic Toxicology* 24:241-256.
- 1700 Kirkman, L.K. and R.R. Sharitz. 1993. Growth in controlled water regimes of three grasses common in freshwater wetlands of the southeastern USA. *Aquatic Botany* 44:345-359.
- 1701 McCloskey, J.T. and J.T. Oris. 1993. Effect of anthracene and solar ultraviolet radiation exposure on gill ATPase and selected hematologic measurements in the bluegill sunfish (*Lepomis macrochirus*). *Aquatic Toxicology* 24:207-218.
- 1702 Fletcher, D.E. 1993. Nest association of dusky shiners (*Notropis cummingsae*) and redbreast sunfish (*Lepomis auritus*), a potentially parasitic relationship. *Copeia* 1993:159-167.
- 1703 Aho, J.M., M. Mulvey, K.C. Jacobson, and G.W. Esch. 1992. Genetic differentiation among congeneric acanthocephalans in the yellow-bellied slider turtle. *Journal of Parasitology* 78:974-981.
- 1704 Leff, L.G., J.R. Dana, J.V. McArthur, and L.J. Shimkets. 1993. Detection of Tn5-like sequences in kanamycin-resistant stream bacteria and environmental DNA. *Applied and Environmental Microbiology* 59:417-421.
- 1705 Mathews, N.E. and W.F. Porter. 1993. Effect of social structure on genetic structure of free-ranging white-tailed deer in the adirondack mountains. *Journal of Mammalogy* 74:33-43.
- 1706 McCreedy, C.D. and H.P. Weeks Jr. 1993. Growth of cottontail rabbits (*Sylvilagus floridanus*) in response to ancillary sodium. *Journal of Mammalogy* 74:217-223.
- 1707 Leff, L.G., J.V. McArthur, and L.J. Shimkets. 1993. Evaluation of sources of bacteria in coastal plain streams using gram staining. *Archiv fuer Hydrobiologie* 126:461-468.
- 1708 Weeks, S.C. 1993. The effects of recurrent clonal formation on clonal invasion patterns and sexual persistence: a Monte Carlo simulation of the frozen niche-variation model. *The American Naturalist* 141:409-427.
- 1709 Leberg, P.I. 1993. Strategies for population reintroduction: effects of genetic variability on population growth and size. *Conservation Biology* 7:194-199.
- 1710 Burke, V.J., M. Osentoski, R.D. Nagle, and J.D. Congdon. 1993. Common snapping turtles associated with ant mounds. *Journal of Herpetology* 27:114-115.

- 1711 Hales, L.S., Jr. and M.C. Belk. 1992. Validation of otolith annuli of bluegills in a southeastern thermal reservoir. *Transactions of the American Fisheries Society* 121:823-830.
- 1712 Hepp, G.R. and R.A. Kennamer. 1992. Characteristics and consequences of nest-site fidelity in wood ducks. *Auk* 109:812-818.
- 1713 Collins, B.S. and G.R. Wein. 1993. Understory vines: distribution and relation to environment on a southern mixed hardwood site. *Bulletin of the Torrey Botanical Club* 120:38-44.
- 1714 Richardson, W.B. and S.T. Threlkeld. 1993. Complex interactions of multiple aquatic consumers: an experimental mesocosm manipulation. *Canadian Journal of Fisheries and Aquatic Sciences* 50:29-42.
- 1715 Meffe, G.K., A.H. Ehrlich, and D. Ehrenfeld. 1993. Human population control: the missing agenda. *Conservation Biology* 7:1-3.
- 1716 Minckley, W.L. and G.K. Meffe. 1987. Chapter 12. Differential selection by flooding in stream-fish communities of the arid American Southwest. In Community and Evolutionary Ecology of North American Stream Fishes, edited by W.J. Matthews and D.C. Heins. p. 93-104. University of Oklahoma Press. Norman, OK.
- 1717 Sharitz, R.R. and W.J. Mitsch. 1993. Chapter 8. Southern floodplain forests. In Biodiversity of the Southeastern United States/Lowland Terrestrial Communities, edited by W.H. Martin, S.G. Boyce, and A.C. Echternacht. p. 311-371. John Wiley & Sons, Inc.
- 1718 Richardson, C.J. and J.W. Gibbons. 1993. Chapter 7. Pocosins, Carolina bays, and mountain bogs. In Biodiversity of the Southeastern United States: Terrestrial Communities, edited by W.H. Martin, S.G. Boyce, and A.C. Echternacht. p. 257-310. John Wiley and Sons. New York.
- 1719 Weeks, S.C. 1993. Phenotypic plasticity of life-history traits in clonal and sexual fish (*Poeciliopsis*) at high and low densities. *Oecologia* 93:307-314.
- 1720 Cooper, W.E., Jr. and L.J. Vitt. 1993. Female mate choice of large male broad-headed skinks. *Animal Behaviour* 45:683-693.
- 1721 Wolff, J.O. 1992. Parents suppress reproduction and stimulate dispersal in opposite-sex juvenile white-footed mice. *Nature* 359:409-410.

- 1722 Scribner, K.T. 1993. Hybrid zone dynamics are influenced by genotype-specific variation in life-history traits: experimental evidence from hybridizing *Gambusia* species. *Evolution* 47:632-646.
- 1723 Megonigal, J.P., W.H. Patrick Jr., and S.P. Faulkner. 1993. Wetland identification in seasonally flooded forest soils: soil morphology and redox dynamics. *Soil Science Society of America Journal* 57:140-149.
- 1724 Austad, S.N. 1993. Retarded senescence in an insular population of Virginia opossums (*Didelphis virginiana*). *Journal of Zoology (London)* 229:695-708.
- 1725 Lydeard, C. 1993. Phylogenetic analysis of species richness: has viviparity increased the diversification of actinopterygian fishes? *Copeia* 1993:514-518.
- 1726 Shann, J.R. and P.M. Bertsch. 1993. Differential cultivar response to polynuclear hydroxo-aluminum complexes. *Soil Science Society of America Journal* 57:116-120.
- 1727 Scott, D.E. 1992. Timing of reproduction of paedomorphic and metamorphic *Ambystoma talpoideum*. *The American Midland Naturalist* 129:397-402.
- 1728 Newman, M.C. 1993. Regression analysis of log-transformed data: statistical bias and its correction. *Environmental Toxicology and Chemistry* 12:1129-1133.
- 1729 Semlitsch, R.D., D.E. Scott, J.H.K. Pechmann, and J.W. Gibbons. 1993. Phenotypic variation in the arrival time of breeding salamanders: individual repeatability and environmental influences. *Journal of Animal Ecology* 62:334-340.
- 1730 Congdon, J.D., S.W. Gotte, and R.W. McDiarmid. 1992. Ontogenetic changes in habitat use by juvenile turtles, *Chelydra serpentina* and *Chrysemys picta*. *The Canadian Field-Naturalist* 106:241-248.
- 1731 Wilkinson, K.J., P.M. Bertsch, C.H. Jagoe, and P.G.C. Campbell. 1993. Surface complexation of Al on isolated fish gill cells. *Environmental Science and Technology* 27:1132-1138.
- 1732 Kaplan, D.I., P.M. Bertsch, D.C. Adriano, and W.P. Miller. 1993. Soil-borne mobile colloids as influenced by water flow and organic carbon. *Environmental Science and Technology* 27:1193-2000.
- 1733 Britson, C.A. and W.H.N. Gutzke. 1993. Antipredator mechanisms of hatchling freshwater turtles. *Copeia* 1993:435-440.
- 1734 Cooper, W.E. and K.J. Alfieri. 1993. Caudal autonomy in the Eastern garter snake, *Thamnophis s. sirtalis*. *Amphibia-Reptilia* 14:86-89.

- 1735 Schupp, E.W. 1993. Quantity, quality and the effectiveness of seed dispersal by animals. *Vegetatio* 107/108:15-29.
- 1736 Dosskey, M.G., L. Boersma, and R.G. Linderman. 1993. Effect of phosphorus fertilization on water stress in Douglas fir seedlings during soil drying. *Plant and Soil* 150:33-39.
- 1737 Bajt, S., S.B. Clark, S.R. Sutton, M.L. Rivers, and J.V. Smith. 1993. Synchrotron x-ray microprobe determination of chromate content using x-ray absorption near-edge structure. *Analytical Chemistry* 65:1800-1804.
- 1738 Fedynich, A.M. and O.E. Rhodes Jr. 1993. Mallard x American wigeon hybrid on the southern high plains of Texas. *Southwestern Naturalist* 38:179-181.
- 1739 McAlpine, S. 1993. Genetic heterozygosity and reproductive success in the green treefrog, *Hyla cinerea*. *Heredity* 70:553-558.
- 1740 Brisbin, I.L., Jr. and S.N. Austad. 1993. The use of trained dogs to discriminate human scent: a reply. *Animal Behavior* 46:191-192.
- 1741 Carlson, C.L. and D.C. Adriano. 1993. Environmental impacts of coal combustion residues. *Journal of Environmental Quality* 22:227-247.
- 1742 Dixon, P.M. and K.A. Garrett. 1993. Sampling ecological information: choice of sample size, reconsidered. *Ecological Modelling* 68:67-73.
- 1743 Burke, V.J. 1993. *Lepidochelys kempii* (Kemp's Ridley sea turtle) and *Caretta caretta* (Loggerhead sea turtle) diet. *Herpetological Review* 24:31-32.
- 1744 Scribner, K.T. and J.C. Avise. 1993. Cytonuclear genetic architecture in mosquitofish populations and the possible roles of introgressive hybridization. *Molecular Ecology* 2:139-149.
- 1745 Coulter, M.C. and A.L. Bryan Jr. 1993. The foraging ecology of wood storks (*Mycteria americana*) in east-central Georgia. I. Characteristics of foraging sites. *Colonial Waterbirds* 16:59-70.
- 1746 Sharitz, R.R., M.R. Vaitkus, and A.E. Cook. 1992. Hurricane damage to an old-growth floodplain forest in the southeast. Seventh Biennial Southern Silvicultural Research Conference, Mobile AL 1992:203-210.
- 1747 Leberg, P.L. 1990. Influence of genetic variability on population growth: implications for conservation. *Journal of Fish Biology* 37:193-195.

- 1748 Semlitsch, R.D. and S.C. Walls. 1993. Competition in two species of larval salamanders: a test of geographic variation in competitive ability. *Copeia* 1993:587-595.
- 1749 Meffe, G.K. and F.F. Snelson Jr. 1993. Annual lipid cycle in eastern mosquitofish (*Gambusia holbrooki*: Poeciliidae) from South Carolina. *Copeia* 1993:596-604.
- 1750 Nesbit, D.H. and G.K. Meffe. 1993. Cannibalism frequencies in wild populations of the eastern mosquitofish (*Gambusia holbrooki*: Poeciliidae) in South Carolina. *Copeia* 1993:867-870.
- 1751 Boone, J.L., J. Laerm, and M.H. Smith. 1993. Taxonomic status of *Peromyscus gossypinus anastasiae* (Anastasia Island cotton mouse). *Journal of Mammalogy* 74:363-375.
- 1752 Leberg, P.L. and M.H. Smith. 1993. Influence of density on growth of white-tailed deer. *Journal of Mammalogy* 74:723-731.
- 1753 Anderson, M.A., P.M. Bertsch, and L.W. Zelazny. 1993. Chapter 7. Multicomponent transport through soil subjected to coal pile runoff under steady saturated flow. In Trace Elements in Coal and Coal Combustion Residues, edited by R.F. Keefer and K.S. Sajwan. p. 137-164. Lewis Publishers. Boca Raton, FL.
- 1754 Boone, J.L. and J. Laerm. 1993. Cotton mice, *Peromyscus gossypinus* LeConte (Rodentia: Cricetidae), from the Great Dismal Swamp and surrounding areas. *Brimleyana* 18:125-129.
- 1755 Martin, H.W., D.A. Graetz, S.J. Locascio, and D.R. Hensel. 1993. Nitrification inhibitor influences on potato. *Agronomy Journal* 85:651-655.
- 1756 Hinton, T.G., P. Kopp, S. Ibrahim, I. Bubryak, A. Syomov, and L. Tobler. 1993. Contaminated soil on Chernobyl vegetation. p. 407-421. In Proceedings of the Twenty-Sixth Midyear Topical Meeting of the Health Physics Society: Environmental Health Physics, edited by R.L. Kathren, D.H. Denham, and K. Salmon. Columbia Chapter, Health Physics Society. Coeur d'Alene, ID.
- 1757 Whicker, F.W., D.J. Niquette, and T.G. Hinton. 1993. To remediate or not: a case history. p. 473-485. In Proceedings of the Twenty-Sixth Midyear Topical Meeting of the Health Physics Society: Environmental Health Physics, edited by R.L. Kathren, D.H. Denham, and K. Salmon. Columbia Chapter, Health Physics Society. Coeur d'Alene, ID.
- 1758 Hinton, T.G. 1993. Variation among model predictions within an IAEA validation exercise. p. 138-143. In Proceedings of the Topical Meeting on Environmental Transport and Dosimetry, American Nuclear Society, Inc. Charleston, SC.

- 1759 Wolff, J.O. 1993. What is the role of adults in mammalian juvenile dispersal? *Oikos* 68:173-176.
- 1760 Congdon, J.D. and R.C. van Loben Sels. 1993. Relationships of reproductive traits and body size with attainment of sexual maturity and age in Blanding's turtles (*Emydoidea blandingii*). *Journal of Evolutionary Biology* 6:547-557.
- 1761 Cooper, W.E. 1993. Tree selection by the broad-headed skink, *Eumeces laticeps*: size, holes, and cover. *Amphibia-Reptilia* 14:285-294.
- 1762 Dosskey, M.G. and D.C. Adriano. 1993. Trace element toxicity in VA mycorrhizal cucumber grown on weathered coal fly ash. *Soil Biology and Biochemistry* 25:1547-1552.
- 1763 Sandhu, S.S., G.L. Mills, and K.S. Sajwan. 1993. Chapter 8. Leachability of Ni, Cd, Cr, and As from coal ash impoundments of different ages on the Savannah River Site. In Trace Elements in Coal and Coal Combustion Residues, edited by R.F. Keefer and K.S. Sajwan. p. 165-182. Lewis Publishers, Inc. Boca Raton, FL.
- 1764 Menon, M.P., K.S. Sajwan, G.S. Ghuman, J. James, and K. Chandra. 1993. Chapter 12. Elements in coal and coal ash residues and their potential for agricultural crops. In Trace Elements in Coal and Coal Combustion Residues, edited by R.F. Keefer and K.S. Sajwan. p. 259-287. Lewis Publishers, Inc. Boca Raton, FL.
- 1765 Hepp, G.R. and R.A. Kennamer. 1993. Effects of age and experience on reproductive performance of wood ducks. *Ecology* 74:2027-2036.
- 1766 Rhodes, O.E., Jr. and L.M. Smith. 1993. Relationships between genetic variation and carcass components in wintering American wigeons. *Auk* 110:354-360.
- 1767 McCreedy, C.D. and H.P. Weeks Jr. 1992. Sodium provision and wild cottontail rabbits: morphological change in adrenal glands. *Journal of Wildlife Management* 56:669-676.
- 1768 Taylor, B.E., A.E. DeBiase, and D.L. Mahoney. 1993. Development of the zooplankton assemblage in a new cooling reservoir. *Archiv fuer Hydrobiologie* 128:129-148.
- 1769 Collins, B. and G.R. Wein. 1993. Competition between native and immigrant *Polygonum* congeners. *Canadian Journal of Botany* 71:939-945.
- 1770 Kennamer, R.A., C.D. McCreedy, and I.L. Brisbin Jr. 1993. Patterns of radiocesium contamination in eggs of free-ranging wood ducks. *Journal of Wildlife Management* 57:716-724.

- 1771 Brisbin, I.L., Jr. 1993. Conserving threatened components of the world's faunal biodiversity: the untapped resource of children's zoo programs. p. 276-282. In Regional Conference Proceedings of the American Association of Zoological Parks and Aquariums,
- 1772 Brisbin, I.L., Jr. and C. Bagshaw. 1993. Survival, weight changes, and shedding frequencies of captive scarlet snakes, *Cemophora coccinea*, maintained on an artificial liquid diet. *Herpetological Review* 24:27-29.
- 1773 Brisbin, I.L., Jr. 1994. Chapter 17. Applications of a modified Richards sigmoid model to assess the uptake and effects of environmental contaminants upon birds. p. 161-170. In Proceedings of the Ninth Pellston Workshop: Wildlife Ecology and Population Modeling, edited by R.J. Kendall and T.E. Lacher Jr. Lewis Publishers. Boca Raton, FL.
- 1774 Dixon, P.M. and K.A. Garrett. 1994. Chapter 41. Statistical issues for field experimenters. In Wildlife Ecology and Population Modeling: Integrated Studies of Agroecosystems, edited by R.J. Kendall and T.E. Lacher Jr. p. 439-450. Lewis Publishers. Boca Raton, FL.
- 1775 Taylor, B.E. and W. Gabriel. 1993. Optimal adult growth of *Daphnia* in a seasonal environment. *Functional Ecology* 7:513-521.
- 1776 Belk, M.C. 1993. Growth and mortality of juvenile sunfishes (*Lepomis* sp.) under heavy predation. *Ecology of Freshwater Fish* 2:91-98.
- 1777 Chesser, R.K., K.B. Willis, and N.E. Mathews. 1993. Chapter 18. Impacts of toxicants on population dynamics and gene diversity in avian species. p. 171-188. In Proceedings of the Ninth Pellston Workshop: Wildlife Toxicology and Population Modeling. Integrated Studies of Agroecosystems, edited by R.J. Kendall and T.E. Lacher Jr. SETAC Special Publication Series. Lewis Publishers. Boca Raton, FL.
- 1778 Chesser, R.K., O.E. Rhodes Jr., D.W. Sugg, and A. Schnabel. 1993. Effective sizes for subdivided populations. *Genetics* 135:1221-1232.
- 1779 Rhodes, O.E., Jr., M.H. Smith, K.T. Scribner, and P.E. Johns. 1987. Factors affecting productivity of a white-tailed deer herd. p. 219-222. In Global Trends in Wildlife Management. Transactions of the 18th UIGB Congress, edited by B. Bobek, K. Perzanowski, and W. Regelin. Swiat Press. Krakow, Poland.
- 1780 Smith, M.H., K.T. Scribner, P.E. Johns, and O.E. Rhodes Jr. 1987. Genetics and antler development. p. 323-326. In Global Trends in Wildlife Management.

- Transactions of the 18th IUGB Congress, edited by B. Bobek, K. Perzanowski, and W. Regelin. Swiat Press. Krakow, Poland.
- 1781 Wolff, J.O. 1993. Why are female small mammals territorial? *Oikos* 68:364-370.
- 1782 Oliver, W.L.B. and I.L. Brisbin Jr. 1993. Introduced and feral pigs: problems, policy, and priorities. In Pigs, Peccaries and Hippos, edited by W.L.R. Oliver. p. 179-191. Status Survey and Conservation Action Plan of the IUCN World Conservation Union. Gland, Switzerland.
- 1783 Oliver, W.L.R., I.L. Brisbin Jr., and S. Takahashi. 1993. The Eurasian wild pig (*Sus scrofa*). In Pigs, Peccaries and Hippos, edited by W.L.R. Oliver. p. 112-121. Status Survey and Conservation Action Plan of the IUCN World Conservation Union. Gland, Switzerland.
- 1784 DeBiase, A.E. and B.E. Taylor. 1993. New occurrences of *Eurytemora affinis* and *Epischura fluviatilis*, freshwater calanoid copepod species of the family Temoridae, in South Carolina. *The American Midland Naturalist* 130:386-392.
- 1785 Frazer, N.B., J.L. Greene, and J.W. Gibbons. 1993. Temporal variation in growth rate and age at maturity of male painted turtles, *Chrysemys picta*. *The American Midland Naturalist* 130:314-324.
- 1786 Cooper, W.E. and L.J. Vitt. 1994. Tree and substrate selection in the semi-arboreal scincid lizard *Eumeces laticeps*. *Herpetological Journal* 4:20-23.
- 1787 Avery, H.W., J.R. Spotila, J.D. Congdon, R.U. Fischer, E.A. Standora, and S.B. Avery. 1993. Roles of diet protein and temperature in the growth and nutritional energetics of juvenile slider turtles, *Trachemys scripta*. *Physiological Zoology* 66:902-925.
- 1788 Mayer, J.J. and I.L. Brisbin Jr. 1993. Distinguishing feral hogs from introduced wild boar and their hybrids: a review of past and present efforts. p. 28-49. In Feral Swine: A Compendium for Resource Managers, edited by C.W. Hanselka and J.F. Cadenhead. Texas Agricultural Extension Service. San Angelo, TX.
- 1789 Leberg, P.L., M.H. Smith, I.L. Brisbin Jr., and K.T. Scribner. 1987. Optimization strategies in a deer harvest program. p. 555-558. In Global Trends in Wildlife Management. Transactions of the IUGB Congress, edited by B. Bobek, K. Perzanowski, and W. Regelin. Swiat Press. Krakow, Poland.
- 1790 Hensley, F.R. 1993. Ontogenetic loss of phenotypic plasticity of age at metamorphosis in tadpoles. *Ecology* 74:2405-2412.

- 1791 Tinkle, D.W., A.E. Dunham, and J.D. Congdon. 1993. Life history and demographic variation in the lizard *Sceloporus graciosus*: a long-term study. *Ecology* 74:2413-2429.
- 1792 Wolff, J.O. 1993. Does the "chitty effect" occur in *Peromyscus*? *Journal of Mammalogy* 74:846-851.
- 1793 Scribner, K.T. and R.K. Chesser. 1993. Environmental and demographic correlates of spatial and seasonal genetic structure in the eastern cottontail (*Sylvilagus floridanus*). *Journal of Mammalogy* 74:1026-1044.
- 1794 Scribner, K.T. 1993. Conservation genetics of managed ungulate populations. *Acta Theriologica* 38, Suppl. 2:89-101.
- 1795 Chesser, R.K., D.W. Sugg, O.E. Rhodes Jr., J. Novak, and M.H. Smith. 1993. Evolution of mammalian social structure. *Acta Theriologica* 38, Suppl. 2:163-174.
- 1796 Novak, J.M., O.E. Rhodes Jr., M.H. Smith, and R.K. Chesser. 1993. Morphological asymmetry in mammals: genetics and homeostasis reconsidered. *Acta Theriologica* 38, Suppl. 2:7-18.
- 1797 Bowling, J.W., J.E. Pinder III, R.F. Lide, K.A. Orlandini, and W.R. Penrose. 1992. Sedimentation flux of plutonium in a warm, monomictic reservoir. *Journal of Environmental Radioactivity* 22:111-126.
- 1798 Breshears, D.D., F.W. Whicker, and T.E. Hakonson. 1993. Orchestrating environmental research and assessment for remediation. *Ecological Applications* 3:590-594.
- 1799 Leff, L.G., J.V. McArthur, and L.J. Shimkets. 1993. Spatial and temporal variability of antibiotic resistance in freshwater bacterial assemblages. *FEMS Microbiology Ecology* 13:135-144.
- 1800 Golley, F.B., J.E. Pinder III, P.J. Smallidge, and N.J. Lambert. 1994. Limited invasion and reproduction of loblolly pines in a large South Carolina old field. *Oikos* 69:21-27.
- 1801 Mills, M.S. and S.R. Yeomans. 1993. *Heterodon platirhinos* (Eastern hognose snake) diet. *Herpetological Review* 24:62.
- 1802 Weeks, S.C. and O.E. Gaggiotti. 1993. Patterns of offspring size at birth in clonal and sexual strains of *Poeciliopsis* (Poeciliidae). *Copeia* 1993:1003-1009.

- 1803 Burke, V.J., E.A. Standora, and S.J. Morreale. 1993. Diet of juvenile Kemp's ridley and loggerhead sea turtles from Long Island, New York. *Copeia* 1993:1176-1180.
- 1804 Layman, S.R. 1993. Life history of the Savannah darter, *Etheostoma fricksium*, in the Savannah River drainage, South Carolina. *Copeia* 1993:959-968.
- 1805 Belk, M.C. and L.S. Hales Jr. 1993. Predation-induced differences in growth and reproduction of bluegills (*Lepomis macrochirus*). *Copeia* 1993:1034-1044.
- 1806 Congdon, J.D., A.E. Dunham, and R.C. van Loben Sels. 1993. Delayed sexual maturity and demographics of Blanding's turtles (*Emydoidea blandingii*): Implications for conservation and management of long-lived organisms. *Conservation Biology* 7:826-833.
- 1807 Anderson, M.A. and P.M. Bertsch. 1993. Electrophoretic mobility and particle size of clays using laser doppler velocimetry-photon correlation spectroscopy. *Soil Science Society of America Journal* 57:1641-1643.
- 1808 Young, P.J., J.P. Megonigal, R.R. Sharitz, and F.P. Day. 1993. False ring formation in baldcypress (*Taxodium distichum*) saplings under two flooding regimes. *Wetlands* 13:293-298.
- 1809 Kramer, V.J. and M.C. Newman. 1994. Inhibition of glucosephosphate isomerase allozymes of the mosquitofish, *Gambusia holbrooki*, by mercury. *Environmental Toxicology and Chemistry* 13:9-14.
- 1810 Hartman, G.D. and J.D. Krenz. 1993. Estimating population density of moles *Scalopus aquaticus* using assessment lines. *Acta Theriologica* 38:305-314.
- 1811 Lydeard, C. and M.C. Belk. 1993. Management of indigenous fish species impacted by introduced mosquitofish: An experimental approach. *The Southwestern Naturalist* 38:370-373.
- 1812 Floyd, M.A. 1992. The biology and distribution of *Oecetis* larvae in North America (Trichoptera: Leptoceridae). *Proceedings of the 7th International Symposium on Trichoptera* 1992:87-91.
- 1813 Winkelman, D.L. and J.M. Aho. 1993. Direct and indirect effects of predation on mosquitofish behavior and survival. *Oecologia* 96:300-303.
- 1814 Cooper, W.E., Jr. and N. Greenberg. 1992. Reptilian coloration and behavior. In Biology of the Reptilia, edited by C. Gans and D. Crews. p. 298-422. Vol. Volume 18, Physiology E. Hormones, Brain, and Behavior, edited by C. Gans. University of Chicago Press. Chicago, IL. (Reprints are not available for

- distribution at SREL. Book can be purchased from The University of Chicago Press, 5801 Ellis Avenue, Chicago, IL 60637-1496).
- 1815 Fisher, S.K., C.H. Jagoe, C.E. Dallas, R.K. Chesser, M.H. Smith, and I.L. Brisbin Jr. 1993. Assessment of genetic damage as a biomarker in the remediation of contaminated or polluted sites. p. 629-634. In Proceedings of the U.S. Department of Energy Environmental Remediation Conference, U.S. Department of Energy. Augusta, GA.
- 1816 Martin, H.W. and R.L. Brigmon. 1994. Biogeochemistry of sulfide oxidizing bacteria in phreatic karst. In Breakthroughs in Karst Geomicrobiology and Redox Geochemistry, edited by I.D. Sasowski and M.V. Palmer. Karst Waters Institute. Colorado Springs, CO.
- 1817 Brigmon, R.L., H.W. Martin, and S.G. Zam. 1994. Microbial ecology of *Thiothrix* spp. in the Floridan aquifer. p. 4-5. In Breakthroughs in Karst Geomicrobiology and Redox Geochemistry, edited by I.D. Sasowsky and M.V. Palmer. Karst Waters Institute. Colorado Springs, CO.
- 1818 Rhodes, O.E., Jr., L.M. Smith, and R.K. Chesser. 1993. Temporal components of genetic variation in migrating and wintering American wigeon. *Canadian Journal of Zoology* 71:2229-2235.
- 1819 Carlson, C.L. and C.A. Carlson. 1994. Impacts of coal pile leachate on a forested wetland in South Carolina. *Water, Air, and Soil Pollution* 72:89-109.
- 1820 Smith, G.R., R.E. Ballinger, and J.D. Congdon. 1993. Thermal ecology of the high-altitude bunch grass lizard, *Sceloporus scalaris*. *Canadian Journal of Zoology* 71:2152-2155.
- 1821 Newman, M.C., M.M. Keklak, and M.S. Doggett. 1994. Quantifying animal size effects on toxicity: a general approach. *Aquatic Toxicology* 28:1-12.
- 1822 Burke, V.J., S.J. Morreale, and E.A. Standora. 1994. Diet of the Kemp's ridley sea turtle, *Lepidochelys kempii*, in New York waters. *Fishery Bulletin* 92:26-32.
- 1823 Kirkman, L.K. and R.R. Sharitz. 1994. Vegetation disturbance and maintenance of diversity in intermittently flooded Carolina bays in South Carolina. *Ecological Applications* 4:177-188.
- 1824 Whicker, F.W., T.G. Hinton, D.J. Niquette, and J. Seel. 1993. Health risks to hypothetical residents of a radioactively contaminated lake bed. p. 619-624. In ER'93 - Environmental Remediation Conference, Department of Energy. Augusta, GA.

- 1825 Mahaney, P.A. 1994. Effects of freshwater petroleum contamination on amphibian hatching and metamorphosis. *Environmental Toxicology and Chemistry* 13:259-265.
- 1826 Rhodes, O.E., Jr. and R.K. Chesser. 1994. Genetic concepts for habitat conservation: the transfer and maintenance of genetic variation. *Journal of Landscape and Urban Planning* 28:55-62.
- 1827 Plummer, M.V. and J.D. Congdon. 1994. Radiotelemetric study of activity and movements of racers (*Coluber constrictor*) associated with a Carolina bay in South Carolina. *Copeia* 1994:20-26.
- 1828 Burke, V.J., N.B. Frazer, and J.W. Gibbons. 1993. Conservation of turtles: the Chelonian dilemma. p. 35-38. In Proceedings of the 13th Annual Symposium on Sea Turtle Biology and Conservation, U.S. Department of Commerce, National Oceanic and Atmospheric Administration. Jekyll Island, GA.
- 1829 Keeland, B.D. and R.R. Sharitz. 1993. Accuracy of tree growth measurements using dendrometer bands. *Canadian Journal of Forest Research* 23:2454-2457.
- 1830 Mulvey, M. and S.M. Bandoni. 1994. Genetic variability in the M-line stock of *Biomphalaria glabrata* (Mollusca: Planorbidae). *Journal of the Helminthological Society of Washington* 61:103-108.
- 1831 Meyer, A. and C. Lydeard. 1993. The evolution of copulatory organs, internal fertilization, placentae and viviparity in killifishes (Cyprinodontiformes) inferred from a DNA phylogeny of the tyrosine kinase gene *X-src*. *Proceedings of the Royal Society (London) Series B* 254:153-162.
- 1832 Purdue, J.R. and E.J. Reitz. 1993. Decrease in body size of white-tailed deer (*Odocoileus virginianus*) during the late Holocene in South Carolina and Georgia. In Morphological Change in Quaternary Mammals of North America, edited by R.A. Martin and A.D. Barnosky. p. 281-298. Cambridge University Press. Great Britain.
- 1833 Schnabel, A., J.L. Hamrick, and P.V. Wells. 1993. Influence of Quaternary history on the population genetic structure of Douglas-fir (*Pseudotsuga menziesii*) in the Great Basin. *Canadian Journal of Forest Research* 23:1900-1906.
- 1834 Burke, V.J., J.W. Gibbons, and J.L. Greene. 1993. Prolonged nesting forays by common mud turtles (*Kinosternon subrubrum*). *The American Midland Naturalist* 131:190-195.
- 1835 Meffe, G.K. 1994. Human population control: the missing awareness. *Conservation Biology* 8:310-313.

- 1836 Hunter, D.B. and P.M. Bertsch. 1994. *In situ* measurements of tetraphenylboron degradation kinetics on clay mineral surfaces by IR. *Environmental Science and Technology* 28:686-691.
- 1837 Martin, H.W., D.A. Graetz, S.J. Locascio, and D.R. Hensel. 1994. Contrasts of nitrapyrin, dicyandiamide, and isobutylidene diurea effects on total inorganic soil nitrogen. *Communications in Soil Science and Plant Analysis* 25:547-565.
- 1838 Dunning, J.B., Jr. 1994. Tropical mass extinctions and the scientific method. *Bulletin of the Ecological Society of America* 75:44-45.
- 1839 Hinton, T.G. 1993. Sensitivity analysis of ecosys-87: an emphasis on the ingestion pathway as a function of a radionuclide and type of disposition. *Health Physics* 66:513-531.
- 1840 Dosskey, M.G. and P.M. Bertsch. 1994. Forest sources and pathways of organic matter transport to a blackwater stream: a hydrologic approach. *Biogeochemistry* 24:1-19.
- 1841 McArthur, J.V., J.M. Aho, R.B. Rader, and G.L. Mills. 1994. Interspecific leaf interactions during decomposition in aquatic and floodplain ecosystems. *Journal of the North American Benthological Society* 13:57-67.
- 1842 Leff, L.G. and J.V. McArthur. 1994. Effect of macroinvertebrates on detachment of bacteria from biofilms in stream microcosms. *Journal of the North American Benthological Society* 13:74-79.
- 1843 Krenz, J.D. and D.E. Scott. 1994. Terrestrial courtship affects mating locations in *Ambystoma opacum*. *Herpetologica* 50:46-50.
- 1844 Pechmann, J.H.K. and H.M. Wilbur. 1994. Putting declining amphibian populations in perspective: natural fluctuations and human impacts. *Herpetologica* 50:65-84.
- 1845 Bildstein, K.L., D.E. Gawlik, D.P. Ferral, I.L. Brisbin Jr., and G.R. Wein. 1994. Wading bird use of established and newly created reactor cooling reservoirs at the Savannah River Site, near Aiken, South Carolina, USA. *Hydrobiologia* 279/280:71-82.
- 1846 Bertsch, P.M., D.B. Hunter, S.R. Sutton, S. Bajt, and M.L. Rivers. 1994. *In situ* chemical speciation of uranium in soils and sediments by micro x-ray absorption spectroscopy. *Environmental Science and Technology* 28:980-984.
- 1847 Brisbin, I.L., Jr. 1990. Growth curve analyses and their application to the conservation and captive management of crocodylians. p. 116-145. In Proceedings

- of the Ninth Working Meeting of the Crocodile Specialist Group, edited by F.W. King. Vol. 1. SSC/IUCN. Gland, Switzerland.
- 1848 Wolff, J.O. 1994. Reproductive success of solitarily and communally nesting white-footed mice and deer mice. *Behavioral Ecology* 5:206-209.
- 1849 Ford, N.B. and R.A. Seigel. 1994. An experimental study of the trade-offs between age and size at maturity: effects of energy availability. *Functional Ecology* 8:91-96.
- 1850 Meffe, G.K. and F.F. Snelson Jr. 1993. Lipid dynamics during reproduction in two livebearing fishes, *Gambusia holbrooki* and *Poecilia latipinna*. *Canadian Journal of Fisheries and Aquatic Sciences* 50:2185-2191.
- 1851 Keklak, M.M., M.C. Newman, and M. Mulvey. 1994. Enhanced uranium tolerance of an exposed population of Eastern mosquitofish (*Gambusia holbrooki* Girard 1859). *Archives of Environmental Contamination and Toxicology* 27:20-24.
- 1852 Grant, B.W., K.L. Brown, G.W. Ferguson, and J.W. Gibbons. 1994. Changes in amphibian biodiversity associated with 25 years of pine forest regeneration: implications for biodiversity management. In Biological Diversity: Problems and Challenges, edited by S.K. Majumdar, F.J. Brenner, J.E. Lovich, J.F. Schalles, and E.W. Miller. p. 355-367. The Pennsylvania Academy of Science.
- 1853 Kaplan, D.I., D.B. Hunter, P.M. Bertsch, S. Bajt, and D.C. Adriano. 1994. Application of synchrotron x-ray fluorescence spectroscopy and energy dispersive x-ray analysis to identify contaminant metals on groundwater colloids. *Environmental Sciences and Technology* 28:1186-1189.
- 1854 Mulvey, M., J.M. Aho, and O.E. Rhodes Jr. 1994. Parasitism and white-tailed deer: timing and components of female reproduction. *Oikos* 70:177-182.
- 1855 White, T.D. and R.A. Anderson. 1994. Locomotor patterns and costs as related to body size and form in teiid lizards. *Journal of Zoology* 233:107-128.
- 1856 Smith, M.H., K.B. Willis, and P.E. Johns. 1990. Spatial-genetic variation in a white-tailed deer herd. p. 80-84. In Transactions of the 19th International Union of Game Biologists, IUGB. Trondheim.
- 1857 Jones, R.H., D.S. Segal, and R.R. Sharitz. 1994. Cation dynamics in bottomland hardwood forest litter. *The American Midland Naturalist* 131:248-256.
- 1858 Newman, M.C. and C.H. Jagoe. 1994. Ligands and the bioavailability of metals in aquatic environments. p. 39-61. In Bioavailability: Physical, Chemical and Biological Interactions, edited by J.L. Hamelink, P.F. Landrum, H.L. Bergman,

- and W.H. Benson. Lewis Publishers. Proceedings of the Thirteenth Pellston Workshop, Pellston, MI.
- 1859 Belk, M.C. and C. Lydeard. 1994. Effect of *Gambusia holbrooki* on a similar-sized, syntopic Poeciliid, *Heterandria formosa*: competitor or predator? *Copeia* 1994:296-302.
- 1860 Scribner, K.T., J.D. Congdon, R.K. Chesser, and M.H. Smith. 1993. Annual differences in female reproductive success affect spatial and cohort-specific genotypic heterogeneity in painted turtles. *Evolution* 47:1360-1373.
- 1861 Loehle, C. and G. Wein. 1994. Landscape habitat diversity: a multiscale information theory approach. *Ecological Modelling* 73:311-329.
- 1862 Benson, W.H., J.J. Alberts, H.E. Allen, C.D. Hunt, and M.C. Newman. 1994. Synopsis of discussion session on the bioavailability of inorganic contaminants. p. 63-71. In Bioavailability: Physical, Chemical and Biological Interactions, edited by J.L. Hamelink, P.F. Landrum, H.L. Bergman, and W.H. Benson. Lewis Publishers. Proceedings of the Thirteenth Pellston Workshop, Pellston, MI.
- 1863 McDonald, M.A. and M.H. Smith. 1994. Behavioral and morphological correlates of heterochrony in Hispaniolan Palm-Tanagers. *The Condor* 96:433-446.
- 1864 Brisbin, I.L., Jr., R.P. Coppinger, M.H. Feinstein, S.N. Austad, and J.J. Mayer. 1994. The New Guinea Singing Dog: taxonomy, captive studies and conservation priorities. *Science in New Guinea* 20:27-38.
- 1865 Lovich, J.E. 1994. Biodiversity and zoogeography of non-marine turtles in southeast Asia. In Biological Diversity: Problems and Challenges, edited by S.K. Majumdar, F.J. Brenner, J.E. Lovich, J.F. Schalles, and E.W. Miller. p. 380-391. The Pennsylvania Academy of Science.
- 1866 Martin, H.W. 1994. More on beautyberry. *Palmetto* 14:5-6.
- 1867 Martin, H.W. and W.G. Harris. 1992. Mineralogy of clay sediments in three Phreatic caves of the Suwannee River Basin. *The National Speleological Society Bulletin* 54:69-76.
- 1868 Sugg, D.W. and R.K. Chesser. 1994. Effective population sizes with multiple paternity. *Genetics* 137:1147-1155.
- 1869 Fisher, S.K., C.E. Dallas, C. Jagoe, M.H. Smith, I.L. Brisbin Jr., and R.K. Chesser. 1994. Sources of error associated with sample collection and preparation of nucleated blood cells for flow cytometric analysis. *Cell Biology and Toxicology* 10:145-153.

- 1870 Scott, D.E. 1994. The effect of larval density on adult demographic traits in *Ambystoma opacum*. *Ecology* 75:1383-1396.
- 1871 Brisbin, I.L., Jr., J.M. Benner, L.A. Brandt, R.A. Kennamer, and T.M. Murphy. 1992. Long-term population studies of American alligators inhabiting a reservoir: initial responses to water level drawdown. p. 53-76. In Crocodiles - Proceedings of the 11th Working Meeting of the Crocodile Specialist Group of the SSC of the IUCN - The World Conservation Union, Vol. 1. IUCN. Victoria Falls, Zimbabwe.
- 1872 Sheldon, A.L. and G.K. Meffe. 1993. Multivariate analysis of feeding relationships of fishes in blackwater streams. *Environmental Biology of Fishes* 37:161-171.
- 1873 DeCourcy, K.R. and T.A. Jenssen. 1994. Structure and use of male territorial headbob signals by the lizard, *Anolis carolinensis*. *Animal Behavior* 47:251-262.
- 1874 Niewiarowski, P.H. and A.E. Dunham. 1994. The evolution of reproductive effort in squamate reptiles: costs, trade-offs and assumptions reconsidered. *Evolution* 48:137-145.
- 1875 Jones, R.H., R.R. Sharitz, P.M. Dixon, D.S. Segal, and R.L. Schneider. 1994. Woody plant regeneration in four floodplain forests. *Ecological Monographs* 64:345-367.
- 1876 Scribner, K.T. and J.C. Avise. 1994. Population cage experiments with a vertebrate: the temporal demography and cytonuclear genetics of hybridization in *Gambusia* fishes. *Evolution* 48:155-171.
- 1877 Edwards, A.E., R. Wyatt, and R.R. Sharitz. 1994. Seed buoyancy and viability of the wetland milkweed *Asclepias perennis* and an upland milkweed, *Asclepias exaltata*. *Bulletin of the Torrey Botanical Club* 121:160-169.
- 1878 Voelz, N.J., N.L. Poff, and J.V. Ward. 1994. Differential effects of a brief thermal disturbance on caddisflies (Trichoptera) in a regulated river. *The American Midland Naturalist* 132:173-182.
- 1879 Newman, M.C., M. Mulvey, A. Beeby, R.W. Hurst, and L. Richmond. 1994. Snail (*Helix aspersa*) exposure history and possible adaptation to lead as reflected in shell composition. *Archives of Environmental Contamination and Toxicology* 27:346-351.
- 1880 Scribner, K.T. and J.C. Avise. 1994. Cytonuclear genetics of experimental fish hybrid zones inside Biosphere 2. *Proceedings of the National Academy of Science* 91:5066-5069.

- 1881 Martin, H.W. and W.C. Liebhardt. 1994. Tomato response to long-term potassium and lime application on a sandy ultisol high in nonexchangeable potassium. *Journal of Plant Nutrition* 17:1751-1768.
- 1882 Gibbons, J.W. 1994. Management of the desert tortoise and other reptiles and amphibians: Time for an environmental attitude adjustment. p. 169-173. In Desert Tortoise Council Proceedings of 1987-1991 Symposia, Las Vegas, NV.
- 1883 Rader, R.B., J.V. McArthur, and J.M. Aho. 1994. The relative importance of mechanisms determining decomposition in a southeastern blackwater stream. *The American Midland Naturalist* 132:19-31.
- 1884 Jenssen, T.A. and S.C. Nunez. 1994. Male and female reproductive cycle of the Jamaican lizard, *Anolis opalinus*. *Copeia* 1994:767-780.
- 1885 Schierenbeck, K.A., R.N. Mack, and R.R. Sharitz. 1994. Effects of herbivory on growth and biomass allocation in native and introduced species of *Lonicera*. *Ecology* 75:1661-1672.
- 1886 Fischer, R.U., D.E. Scott, J.D. Congdon, and S.A. Busa. 1994. Mass dynamics during embryonic development and parental investment in cottonmouth neonates. *Journal of Herpetology* 28:364-369.
- 1887 Page, R.D.M. and C. Lydeard. 1994. Towards a cladistic biogeography of the Caribbean. *Cladistics* 10:21-41.
- 1888 Moorhead, K.K. and R.A. Nordstedt. 1993. Batch anaerobic digestion of water hyacinth: effects of particle size, plant nitrogen content, and inoculum volume. *Bioresource Technology* 44:71-76.
- 1889 Dixon, P. 1994. Testing spatial segregation using a nearest-neighbor contingency table. *Ecology* 75:1940-1948.
- 1890 Frazer, N.B. 1994. Sea turtle headstarting and hatchery programs. In Principles of Conservation Biology, edited by G.K. Meffe and C.R. Carroll. p. 374-380. Sinauer Associates. New York.
- 1891 Frazer, N.B., C.J. Limpus, and J.L. Greene. 1994. Growth and estimated age at maturity of Queensland loggerheads. p. 42-45. In Proceedings of the 14th Annual Symposium on Sea Turtle Biology and Conservation, edited by K.A. Bjorndal, A.B. Bolten, D.A. Johnson, and P.J. Eliazar. NOAA Technical Memorandum NMFS-SEFSC-351. Hilton Head, SC.
- 1892 Leberg, P.L., P.W. Stangel, H. Hillestad, R.L. Marchinton, and M.H. Smith. 1994. Genetic structure of reintroduced wild turkey and white-tailed deer populations. *Journal of Wildlife Management* 58:698-711.

- 1893 Tucker, A.D. and N.B. Frazer. 1994. Seasonal variation in clutch size of the turtle, *Dermochelys coriacea*. *Journal of Herpetology* 28:102-109.
- 1894 Schultz, I.R. and W.L. Hayton. 1994. Body size and the toxicokinetics of trifluralin in rainbow trout. *Toxicology and Applied Pharmacology* 129:138-145.
- 1895 Brisbin, I.L., Jr. 1993. Birds as monitors of radionuclide contamination. In Birds as Monitors of Environmental Change, edited by R.W. Furness and J.J.D. Greenwood. p. 144-178. Chapman & Hall. London.
- 1896 Ellison, A.M., P.M. Dixon, and J. Ngai. 1994. A null model for neighborhood models of plant competitive interactions. *Oikos* 71:225-238.
- 1897 Staton, M.A., H.M. Edwards Jr., I.L. Brisbin, T. Joanen, and L. McNease. 1992. The influence of environmental temperature and dietary factors on utilization of dietary energy and protein in purified diets by alligators, *Alligator mississippiensis* (Daudin). *Aquaculture* 107:369-381.
- 1898 Benabib, M. 1994. Reproduction and lipid utilization of tropical populations of *Sceloporus variabilis*. *Herpetological Monographs* 8:160-180.
- 1899 Congdon, J.D., A.E. Dunham, and R.C. van Loben Sels. 1994. Demographics of common snapping turtles (*Chelydra serpentina*): Implications for conservation and management of long-lived organisms. *American Zoologist* 34:397-408.
- 1900 Anderson, R.A. 1994. Functional and population responses of the lizard *Cnemidophorus tigris* to environmental fluctuations. *American Zoologist* 34:409-421.
- 1901 Bryce, A.L., W.A. Kornicker, A.W. Elzerman, and S.B. Clark. 1994. Nickel adsorption to hydrous ferric oxide in the presence of EDTA: Effects of component addition sequence. *Environmental Science and Technology* 28:2353-2359.
- 1902 Lamb, T. and C. Lydeard. 1994. A molecular phylogeny of the gopher tortoises, with comments on familial relationships within the Testudinoidae. *Molecular Phylogenetics and Evolution* 3:283-291.
- 1903 Novak, J.M. and L. Burras. 1994. Influence of summer storms on the solution geochemistry in a coastal plain hydrosequence. *International Journal of Ecology and Environmental Sciences* 20:15-30.
- 1904 Bandoni, S.M., M. Mulvey, and E.S. Loker. 1995. Phylogenetic analysis of eleven species of *Biomphalaria* Preston, 1910 (Gastropoda: Planorbidae) based on comparisons of allozymes. *Biological Journal of the Linnean Society* 54:1-27.

- 1905 Adriano, D.C. and M. Chino. 1994. Biogeochemical aspects of lead, germanium, and tin. *Main Group Metal Chemistry* 17:101-120.
- 1906 Smith, M.H. and O.E. Rhodes Jr. 1993. Genetic applications in wildlife management: An introduction. p. 110-112. In XXI IUGB Congress: Forests and Wildlife...Towards the 21st Century, edited by I.D. Thompson. Vol. 1. International Union of Game Biologists. Halifax, Canada.
- 1907 Smith, M.H. and K.L. Risenhoover. 1993. Association between production of offspring and genetic variability in cervids. p. 113-118. In XXI IUGB Congress: Forests and Wildlife...Towards the 21st Century, edited by I.D. Thompson. Vol. 1. International Union of Game Biologists. Halifax, Canada.
- 1908 Rhodes, O.E., Jr. and R.S. Johns. 1993. Relationships between heterozygosity and conception date in white-tailed deer from South Carolina. p. 119-125. In XXI IUGB Congress: Forests and Wildlife...Towards the 21st Century, edited by I.D. Thompson. Vol. 1. International Union of Game Biologists. Halifax, Canada.
- 1909 Leberg, P.L. 1993. Genetic variation, morphology, and age structure in wild turkeys. p. 126-131. In XXI IUGB Congress: Forests and Wildlife...Towards the 21st Century, edited by I.D. Thompson. Vol. 1. International Union of Game Biologists. Halifax, Canada.
- 1910 Gibbons, J.W. 1994. Reproductive patterns of reptiles and amphibians: considerations for captive breeding and conservation. In Captive Management and Conservation of Amphibians and Reptiles, A Volume Honoring Roger Conant, edited by J.B. Murphy, K. Adler, and J.T. Collins. p. 119-123. Vol. Contributions to Herpetology, Vol. II. Society for the Study of Amphibians and Reptiles. Ithaca, NY.
- 1911 Ford, N.B. and R.A. Seigel. 1994. Phenotypic plasticity: implications for captive-breeding and conservation programs. In Captive Management and Conservation of Amphibians and Reptiles, A Volume Honoring Roger Conant, edited by J.B. Murphy, K. Adler, and J.T. Collins. p. 175-182. Vol. Contributions to Herpetology, Vol. II. Society for the Study of Amphibians and Reptiles. Ithaca, NY.
- 1912 Jones, R.H., R.R. Sharitz, S.M. James, and P.M. Dixon. 1994. Tree population dynamics in seven South Carolina mixed-species forests. *Bulletin of the Torrey Botanical Club* 121:360-368.
- 1913 Burke, V.J. 1994. Human nature and peer review: An argument for anonymity. *Herpetological Review* 25:157-158.

- 1914 Tuberville, T.D. and V.J. Burke. 1994. Do flag markers attract turtle nest predators? *Journal of Herpetology* 28:514-516.
- 1915 Sever, D.M., J.D. Krenz, K.M. Johnson, and L.C. Rania. 1995. Morphology and evolutionary implications of the annual cycle of secretion and sperm storage in spermathecae of the salamander *Ambystoma opacum* (Amphibia: Ambystomatidae). *Journal of Morphology* 223:35-46.
- 1916 McCloskey, J.T., M.C. Newman, and P.M. Dixon. 1995. Effect of metal and metalloid contaminated sediment on the spatial distribution of Asiatic clams (*Corbicula fluminea*). *Archives of Environmental Contamination and Toxicology* 28:203-208.
- 1917 McCloskey, J.T. and M.C. Newman. 1995. Sediment preference in the Asiatic clam (*Corbicula fluminea*) and viviparid snail (*Campeloma decisum*) as a response to low-level metal and metalloid contamination. *Archives of Environmental Contamination and Toxicology* 28:195-202.
- 1918 Boileau, M.G. and B.E. Taylor. 1994. Chance events, habitat age, and the genetic structure of pond populations. *Archiv fuer Hydrobiologie* 132:191-202.
- 1919 McAlpine, S., O.E. Rhodes Jr., C.D. McCreedy, and I.L. Brisbin Jr. 1994. Genetic structure in a wintering population of American Coots (*Fulica americana*). *The Wilson Bulletin* 106:738-743.
- 1920 Liu, J., J.B. Dunning Jr., and H.R. Pulliam. 1995. Potential effects of a forest management plan on Bachman's sparrows (*Aimophila aestivalis*): Linking a spatially explicit model with GIS. *Conservation Biology* 9:62-75.
- 1921 White, J.D., G.C. Kroh, and J.E. Pinder III. 1995. Mapping forest at Lassen Volcanic National Park, California, using Landsat Thematic Mapper Data and a Geographical Information System. *Photogrammetric Engineering and Remote Sensing* 61:299-305.
- 1922 Howard, R.D., H.H. Whiteman, and T.I. Schueller. 1994. Sexual selection in American toads: a test of a good-genes hypothesis. *Evolution* 48:1286-1300.
- 1923 Lamb, T., C. Lydeard, R.B. Walker, and J.W. Gibbons. 1994. Molecular systematics of map turtles (*Graptemys*): a comparison of mitochondrial restriction site versus sequence data. *Systematic Biology* 43:543-559.
- 1924 Kaplan, D.I., P.M. Bertsch, D.C. Adriano, and K. Orlandini. 1994. Actinide association with groundwater colloids in a coastal plain aquifer. *Radiochimica Acta* 67/67:181-187.

- 1925 Brigmon, R.L., H.W. Martin, T.L. Morris, G. Bitton, and S.G. Zam. 1994. Biogeochemical ecology of *Thiothrix* spp. in underwater limestone caves. *Geomicrobiology Journal* 12:141-159.
- 1926 Leff, L.G., J.R. Dana, J.V. McArthur, and L.J. Shimkets. 1995. Comparison of methods of DNA extraction from stream sediments. *Applied and Environmental Microbiology* 61:1141-1143.
- 1927 Seigel, R.A. and J.W. Gibbons. 1995. Workshop on the ecology, status, and management of the diamondback terrapin (*Malaclemys terrapin*), Savannah River Ecology Laboratory, 2 Augusta 1994: Final results and recommendations. *Chelonian Conservation and Biology* 1:240-243.
- 1928 Pulliam, H.R., J. Liu, J.B. Dunning Jr., D.J. Stewart, and T.D. Bishop. 1994. Modelling animal populations in changing landscapes. *The Ibis* 137:S120-S126.
- 1929 Hinton, T.G., P. Kopp, S. Ibrahim, I. Bubryak, A. Syomov, L. Tobler, and C. Bell. 1995. A comparison of techniques used to estimate the amount of resuspended soil on plant surfaces. *Health Physics* 68:523-531.
- 1930 Dunning, J.B., Jr., D.J. Stewart, B.J. Danielson, B.R. Noon, T. Root, R.H. Lamberson, and E.E. Stevens. 1995. Spatially explicit population models: current forms and future uses. *Ecological Applications* 5:3-11.
- 1931 Bryan, A.L., Jr., M.C. Coulter, and C.J. Pennycuick. 1995. Foraging strategies and energetic costs of foraging flights by breeding wood storks. *The Condor* 97:133-140.
- 1932 Heulett, S.T., S.C. Weeks, and G.K. Meffe. 1995. Lipid dynamics and growth relative to resource level in juvenile eastern mosquitofish (*Gambusia holbrooki*: Poeciliidae). *Copeia* 1995:97-104.
- 1933 Sugg, D.W., R.K. Chesser, J.A. Brooks, and B.T. Grasman. 1995. The association of DNA damage to concentrations of mercury and radiocesium in largemouth bass. *Environmental Toxicology and Chemistry* 14:661-668.
- 1934 Moorhead, K.K. and M.M. Brinson. 1995. Response of wetlands to rising sea level in the lower coastal plain of North Carolina. *Ecological Applications* 5:261-271.
- 1935 Leff, L.G., R.M. Kernan, J.V. McArthur, and L.J. Shimkets. 1995. Identification of aquatic *Burkholderia* (*Pseudomonas*) *cepacia* by hybridization with species-specific rRNA gene probes. *Applied and Environmental Microbiology* 61:1634-1636.

- 1936 Schupp, E.W. 1995. Seed-seedling conflicts, habitat choice, and patterns of plant recruitment. *American Journal of Botany* 82:399-409.
- 1937 Onken, B.M. and L.R. Hossner. 1995. Plant uptake and determination of arsenic species in soil solution under flooded conditions. *Journal of Environmental Quality* 24:373-381.
- 1938 Peters, E.L., S.A. Ibrahim, C.R. Tracy, F.W. Whicker, and K.A. Nagy. 1995. Estimation of the metabolic rate of the desert iguana (*Dipsosaurus dorsalis*) by a radionuclide technique. *Physiological Zoology* 68:316-341.
- 1939 Fitzsimmons, N.N., S.W. Buskirk, and M.H. Smith. 1995. Population history, genetic variability, and horn growth in bighorn sheep. *Conservation Biology* 9:314-323.
- 1940 Kemner, K.M., W.T. Elam, D.B. Hunter, and P.M. Bertsch. 1995. EXAFS studies of CsBr-dibenzo-18-crown-6 ether solutions. *Physica B* 208/209:735-736.
- 1941 Yeomans, S.R. 1995. Water-finding in adult turtles: random search or oriented behaviour? *Animal Behaviour* 49:977-987.
- 1942 Whiteman, H.H., S.A. Wissinger, and A.J. Bohonak. 1995. Seasonal movement patterns in a subalpine population of the tiger salamander, *Ambystoma tigrinum nebulosum*. *Canadian Journal of Zoology* 72:1780-1787.
- 1943 Lide, R.F., V.G. Meentemeyer, J.E. Pinder III, and L.M. Beatty. 1995. Hydrology of a Carolina bay located on the upper coastal plain of western South Carolina. *Wetlands* 15:47-57.
- 1944 Fisher, S.K., J.T. Lingenfelser, C.H. Jagoe, and C.E. Dallas. 1995. Evaluation of the effects of cryopreservation of isolated erythrocytes and leukocytes of largemouth bass (*Micropterus salmoides*) by flow cytometry. *Journal of Fish Biology* 46:432-441.
- 1945 Wise, M., L.J. Shimkets, and J.V. McArthur. 1995. Genetic structure of a lotic population of *Burkholderia* (*Pseudomonas*) *cepacia*. *Applied and Environmental Microbiology* 61:1791-1798.
- 1946 Vaitkus, M.R. and K.W. McLeod. 1995. Photosynthesis and water-use efficiency of two sandhill oaks following additions of water and nutrients. *Bulletin of the Torrey Botanical Club* 122:30-39.
- 1947 Figiel, C.R., Jr., B. Collins, and G. Wein. 1995. Variation in survival and biomass of two wetland grasses at different nutrient and water levels over a six week period. *Bulletin of the Torrey Botanical Club* 122:24-29.

- 1948 Weeks, S.C. 1995. Comparisons of life-history traits between clonal and sexual fish (*Poeciliopsis*: Poeciliidae) raised in monoculture and mixed treatments. *Evolutionary Ecology* 9:258-274.
- 1949 Leeper, D.A. and B.E. Taylor. 1995. Plankton composition, abundance and dynamics in a severely stressed cooling reservoir. *Journal of Plankton Research* 17:821-843.
- 1950 Hartman, G.D. 1994. Seasonal effects on sex ratios in moles collected by trapping. *The American Midland Naturalist* 133:298-303.
- 1951 Young, P.J., B.D. Keeland, and R.R. Sharitz. 1994. Growth response of baldcypress [*Taxodium distichum* (L.) Rich.] to an altered hydrologic regime. *The American Midland Naturalist* 133:206-212.
- 1952 Seel, J.F., F.W. Whicker, and D.C. Adriano. 1995. Uptake of ¹³⁷Cs in vegetable crops grown on a contaminated lakebed. *Health Physics* 68:793-799.
- 1953 Cooper, W.E., Jr. 1995. Evolution and function of lingual shape in lizards, with emphasis on elongation, extensibility, and chemical sampling. *Journal of Chemical Ecology* 21:477-504.
- 1954 Vaughan, C., K. Fisher, M.A. Rodriguez, P. Johns, and M. Smith. 1995. Variabilidad genetica en la poblacion de venado cola blanca en la isla San Lucas, Costa Rica, y las implicaciones para su manejo. *Ecologia y manejo del venado cola blanca en Mexico y Costa Rica* 91-102.
- 1955 Walker, D., V.J. Burke, I. Barak, and J.C. Avise. 1995. A comparison of mtDNA restriction sites versus control region sequences in phylogeographic assessment of the musk turtle (*Sternotherus minor*). *Molecular Ecology* 4:365-373.
- 1956 Tucker, A.D., N. FitzSimmons, and J.W. Gibbons. 1995. Resource partitioning by the estuarine turtle, *Malaclemys terrapin*: trophic, spatial, and temporal foraging constraints. *Herpetologica* 51:167-181.
- 1957 Mulvey, M., G.P. Keller, and G.K. Meffe. 1994. Single- and multiple-locus genotypes and life history responses of *Gambusia holbrooki* reared at two temperatures. *Evolution* 48:1810-1819.
- 1958 Dunning, J.B., Jr., R. Borgella Jr., K. Clements, and G.K. Meffe. 1995. Patch isolation, corridor effects, and colonization by a resident sparrow in a managed pine woodland. *Conservation Biology* 9:542-550.
- 1959 Lydeard, C., M.C. Wooten, and A. Meyer. 1995. Molecules, morphology and area cladograms: a cladistic and biogeographic analysis of *Gambusia* (Teleostei: poeciliidae). *Systematic Biology* 44:221-236.

- 1960 Lamb, T., J.W. Bickham, T.B. Lyne, and J.W. Gibbons. 1995. The slider turtle as an environmental sentinel: multiple tissue assays using flow cytometric analysis. *Ecotoxicology* 4:5-13.
- 1961 Seaman, J.C., P.M. Bertsch, and W.P. Miller. 1995. Chemical controls on colloid generation and transport in a sandy aquifer. *Environmental Science and Technology* 29:1808-1815.
- 1962 Risch, T.S., F.S. Dobson, and J.O. Murie. 1995. Is the mean litter size the most productive? A test in Columbian ground squirrels. *Ecology* 76:1643-1654.
- 1963 Buhlmann, K.A. 1995. Habitat use, terrestrial movements, and conservation of the turtle, *Deirochelys reticularia* in Virginia. *Journal of Herpetology* 29:173-181.
- 1964 Mulvey, M., M.C. Newman, A. Chazal, M.G. Heagler, and L.S. Hales Jr. 1995. Genetic and demographic responses of mosquitofish (*Gambusia holbrooki* Girard 1859) populations stressed by mercury. *Environmental Toxicology and Chemistry* 14:1411-1418.
- 1965 Pinder, J.E., III, J.W. Bowling, R.L. Lide, and L.M. Beatty. 1995. The distribution of ¹³⁷Cs in sediments of the littoral zone of a former reactor cooling pond. *Journal of Environmental Radioactivity* 28:57-71.
- 1966 Rowe, C.L. and W.A. Dunson. 1995. Impacts of hydroperiod on growth and survival of larval amphibians in temporary ponds of Central Pennsylvania, USA. *Oecologia* 102:397-403.
- 1967 Chlopecka, A. 1994. The availability of Cd and Zn to cereal crops grown in soil amended with Cd or Zn carbonate. p. 475-485. In Biogeochemistry of Trace Elements, edited by Domy C. Adriano, Zueng-Sang Chen, and Shang-Shyng Yang. Vol. 16. Science and Technology Letters. Northwood, UK.
- 1968 Clark, S.B. 1995. Separation and determination of radiostrontium in calcium carbonate matrices of biological origin. *Journal of Radioanalytical and Nuclear Chemistry* 194:297-302.
- 1969 Martin, H. and G. Sick. 1995. American beautyberry for borrow pit reclamation in South Carolina. *Restoration and Management Notes*. Vol. 13 (Summer 1995):90-97. Reprinted by permission of The University of Wisconsin.
- 1970 Rader, R.B. and J.V. McArthur. 1995. The relative importance of refugia in determining the drift and habitat selection of predaceous stoneflies in a sandy-bottomed stream. *Oecologia* 103:1-9.

- 1971 Fedynich, A.M. and O.E. Rhodes Jr. 1995. Hemosporid (Apicomplexa, Hematozoa, Hemosporida) community structure and pattern in wintering wild turkeys. *Journal of Wildlife Diseases* 31:404-409.
- 1972 Scribner, K.T. and M. Stuwe. 1995. Genetic relationships among alpine ibex *Capra ibex* populations re-established from a common ancestral source. *Biological Conservation* 69:137-143.
- 1973 Lydeard, C., M.C. Wooten, and A. Meyer. 1995. Cytochrome *b* sequence variation and a molecular phylogeny of the live-bearing fish genus *Gambusia* (Cyprinodontiformes: Poeciliidae). *Canadian Journal of Zoology* 73:213-227.
- 1974 Koetsier, P. and C.F. Bryan. 1995. Effects of abiotic factors on macroinvertebrate drift in the lower Mississippi River. *The American Midland Naturalist* 134:63-74.
- 1975 Poiani, K.A. and P.M. Dixon. 1995. Seed banks of Carolina bays: Potential contributions from surrounding landscape vegetation. *The American Midland Naturalist* 134:140-154.
- 1976 Garrett, K.A. 1995. Selecting a sampling method for weed densities: The case of weed removal in strips. *Weed Science* 43:394-401.
- 1977 Fedynich, A.M. and O.E. Rhodes Jr. 1995. Mallard-like ducks in the Playa Lakes Region. *The Wilson Bulletin* 107:548-551.
- 1978 Martin, H.W., R.L. Brigmon, and T.L. Morris. 1995. Diving protocol for sterile sampling of aquifer bacteria in underwater caves. *The National Speleological Society Bulletin* 57:24-30.
- 1979 Belk, M.C. 1995. Variation in growth and age at maturity in bluegill sunfish: genetic or environmental effects? *Journal of Fish Biology* 47:237-247.
- 1980 Kaplan, D.I., P.M. Bertsch, and D.C. Adriano. 1995. Facilitated transport of contaminant metals through an acidified aquifer. *Ground Water* 33:708-717.
- 1981 Ratnaswamy, M.J., C.L. Rogers, R.J. Warren, M.H. Smith, and K.A.K. Stromayer. 1993. Electrophoretic comparison of road-killed deer and live-captured deer sampled by muscle biopsy. *Proceedings of the Annual Conference of the Southeastern Association of Fish and Wildlife Agencies* 47:211-221.
- 1982 Buhlmann, K.A., J.W. Gibbons, and I.L. Brisbin, Jr. 1995. Observations of a white-winged dove (*Zenaida asiatica*) on the Upper Coastal Plain of South Carolina. *The Chat* 59:95-96.

- 1983 Kean, C. and T.D. Tuberville. 1995. *Seminatrix pygaea* (Black swamp snake) size. Herpetological Review 26:103.
- 1984 Hensley, F.R. 1994. *Sternotherus minor* (Loggerhead musk turtle) foraging depth. Herpetological Review 26:99.
- 1985 Mills, T. 1995. Natural history of the Scarlet kingsnake *Lampropeltis triangulum elapsoides* in South Carolina. The Vivarium 7:24-29.
- 1986 Meffe, G.K. and S. Viederman. 1995. Combining science and policy in conservation biology. Wildlife Society Bulletin 23:327-332.
- 1987 Leeper, D.A. and K.G. Porter. 1995. Toxicity of the mixotrophic chrysophyte *Poterioochromonas malhamensis* to the Cladoceran *Daphnia ambigua*. Archiv fuer Hydrobiologie 134:207-222.
- 1988 Mills, M.S. and C.J. Hudson. 1995. *Nerodia taxispilota* (brown water snake) diet. Herpetological Review 26:149.
- 1989 Whiteman, H.H., T.M. Mills, D.E. Scott, and J.W. Gibbons. 1995. Confirmation of range extension for the pine woods snake, *Rhadinaea flavilata*. Herpetological Review 26:158.
- 1990 Lee, J.R. 1995. Review: Handbook of Snakes of the United States and Canada. Vols. 1-2. Albert H. Wright and Anna A. Wright. 1994. Cornell University Press, Ithaca, NY. Vol. 1 564 p., Vol. 2 540 p. Copeia 1995:753-754.
- 1991 Rhodes, O.E., Jr., L.M. Smith, and R.K. Chesser. 1995. Apportionment of genetic variance in migrating and wintering mallards. Canadian Journal of Zoology 73:1182-1185.
- 1992 Hartman, G.D. 1995. Age determination, age structure, and longevity in the mole, *Scalopus aquaticus* (Mammalia: Insectivora). Journal of Zoology 237:107-122.
- 1993 Trauth, S.E., D.M. Sever, and R.D. Semlitsch. 1994. Cloacal anatomy of paedomorphic female *Ambystoma talpoideum* (Caudata: Ambystomatidae), with comments on intermorph mating and sperm storage. Canadian Journal of Zoology 72:2147-2157.
- 1994 Jenssen, T.A., N. Greenberg, and K.A. Hovde. 1995. Behavioral profile of free-ranging male lizards, (*Anolis carolinensis*), across breeding and post-breeding seasons. Herpetological Monographs 9:41-62.
- 1995 Hardegree, W.S., D.B. Wenner, J.F. Dowd, and K.W. McLeod. 1995. Using ¹⁸O/¹⁶O data to examine the mixing of water masses in floodplain wetlands. Wetlands Ecology and Management 3:189-194.

- 1996 Rhodes, O.E., Jr., D.J. Buford, M.S. Miller, and R.S. Lutz. 1995. Genetic structure of reintroduced Rio Grande wild turkeys in Kansas. *Journal of Wildlife Management* 59:771-775.
- 1997 Keeland, B.D. and R.R. Sharitz. 1995. Seasonal growth patterns of *Nyssa sylvatica* var. *biflora*, *Nyssa aquatica*, and *Taxodium distichum* as affected by hydrologic regime. *Canadian Journal of Forest Research* 25:1084-1096.
- 1998 Sheldon, A.L. and G.K. Meffe. 1995. Path analysis of collective properties and habitat relationships of fish assemblages in coastal plain streams. *Canadian Journal of Fisheries and Aquatic Sciences* 52:23-33.
- 1999 Hinton, T.G., J.M. Stoll, and L. Tobler. 1995. Soil contamination of plant surfaces from grazing and rainfall interactions. *Journal of Environmental Radioactivity* 29:11-26.
- 2000 Bertsch, P.M. and D.R. Parker. 1996. Aqueous polynuclear aluminum species. p. 117-168. In *The Environmental Chemistry of Aluminum*, edited by G. Sposito. 2nd ed., CRC Press. Boca Raton, FL.
- 2001 Schultz, I.R., W.L. Hayton, and B.H. Kemmenoe. 1995. Disposition and toxicokinetics of diquat in channel catfish. *Aquatic Toxicology* 33:297-310.
- 2002 Seigel, R.A., R.K. Loraine, and J.W. Gibbons. 1995. Reproductive cycles and temporal variation in fecundity in the black swamp snake, *Seminatrix pygaea*. *The American Midland Naturalist* 134:371-377.
- 2003 Wagele, J.W., N.J. Voelz, and J.V. McArthur. 1995. Older than the Atlantic Ocean: discovery of a freshwater *Microcerberus* (Isopoda) in North America and erection of *Coxicerberus*, new genus. *The Journal of Crustacean Biology* 15:733-745.
- 2004 Brisbin, I.L., Jr. 1995. Conservation of the wild ancestors of domestic animals. *Conservation Biology* 9:1327-1328.
- 2005 Sugg, D.W., L.A. Fitzgerald, and H.L. Snell. 1995. Growth rate, timing of reproduction, and size dimorphism in the Southwestern earless lizard (*Cophosaurus texanus scitulus*). *The Southwestern Naturalist* 40:193-202.
- 2006 Cook, A.E. and J.E. Pinder, III. 1996. Relative accuracy of rectifications using coordinates determined from maps and the global positioning system. *Photogrammetric Engineering and Remote Sensing* 62:73-77.
- 2007 Su, C., J.B. Harsh, and P.M. Bertsch. 1992. Sodium and chloride sorption by imogolite and allophanes. *Clays and Clay Minerals* 40:280-286.

- 2008 McLeod, K.W., G.R. Wein, and R.R. Sharitz. 1993. Wetland restoration for habitat reconstruction and contaminant stabilization. p. 1043-1047. In ER'93 - Environmental Remediation Conference, U.S. Department of Energy. Augusta, GA.
- 2009 Reed, M.R. and K.W. McLeod. 1994. Planting unconsolidated sediments with flood-tolerant species. p. 137-146. In 21st Annual Conference on Wetlands Restoration and Creation, edited by Frederick J. Webb, Jr. Hillsborough Community College. Tampa, FL.
- 2010 McLeod, K.W., M.R. Reed, and T.G. Ciravolo. 1994. Selection of woody species for bottomland restoration. p. 106-118. In 21st Annual Conference on Wetlands Restoration and Creation, edited by Frederick J. Webb, Jr. Hillsborough Community College. Tampa, FL.
- 2011 Buhlmann, K.A. and T.R. Johnson. 1995. *Deirochelys reticularia miaria* (Western Chicken Turtle). *Herpetological Review* 26:209.
- 2012 Mills, G.L. and L.R. Sullivan. 1995. Indirect photolysis of tetraphenylborate sensitized by humic acid. *Chemosphere* 31:4541-4547.
- 2013 Mills, G.L., C.P. Wolfe, and B.R. Dalton. 1995. Free and humic-bound carbohydrates leached from leaves of four floodplain tree species. *Communications in Soil Science and Plant Analysis* 26:3335-3341.
- 2014 Burke, V.J. and J.W. Gibbons. 1995. Terrestrial buffer zones and wetland conservation: A case study of freshwater turtles in a Carolina bay. *Conservation Biology* 9:1365-1369.
- 2015 Jagoe, C.H. 1996. Responses at the tissue level: quantitative methods in histopathology applied to ecotoxicology. p. 163-196. In Ecotoxicology: A Hierarchical Treatment, edited by M.C. Newman and C.H. Jagoe. Lewis Publishers. Chelsea, MI.
- 2016 Chesser, R.K. and D.W. Sugg. 1996. Toxicants as selective agents in population and community dynamics. p. 293-317. In Ecotoxicology: A Hierarchical Treatment, edited by M.C. Newman and C.H. Jagoe. Lewis Publishers. Chelsea, MI.
- 2017 Newman, M.C. 1996. Ecotoxicology as a science. p. 1-9. In Ecotoxicology: A Hierarchical Treatment, edited by M.C. Newman and C.H. Jagoe. Lewis Publishers. Chelsea, MI.
- 2018 Newman, M.C. and P.M. Dixon. 1996. Ecologically meaningful estimates of lethal effect in individuals. p. 225-253. In Ecotoxicology: A Hierarchical

- Treatment, edited by M.C. Newman and C.H. Jagoe. Lewis Publishers. Chelsea, MI.
- 2019 Whitaker, J.O., Jr., G.D. Hartman, and R. Hein. 1994. Food and ectoparasites of the southern short-tailed shrew, *Blarina carolinensis* (Mammalia: Soricidae), from South Carolina. *Brimleyana* 21:97-105.
- 2020 Seaman, J.C., P.M. Bertsch, and W.P. Miller. 1995. Ionic tracer movement through highly weathered sediments. *Journal of Contaminant Hydrology* 20:127-143.
- 2021 Whiteman, H.H., R.D. Howard, and K.A. Whitten. 1995. Effects of pH on embryo tolerance and adult behavior in the tiger salamander, *Ambystoma tigrinum tigrinum*. *Canadian Journal of Zoology* 73:1529-1537.
- 2022 Lovich, J.E. and T. Lamb. 1995. Morphometric similarity between the turtles *Kinosternon subrubrum hippocrepis* and *K. baurii*. *Journal of Herpetology* 29:621-624.
- 2023 Semlitsch, R.D., J.W. Gibbons, and T.D. Tuberville. 1995. Timing of reproduction and metamorphosis in the Carolina Gopher frog (*Rana capito capito*) in South Carolina. *Journal of Herpetology* 29:612-614.
- 2024 Hernandez-Martich, J.D., J.M. Novak, M.H. Smith, and P.E. Johns. 1995. Genetic structure of mosquitofish populations in the Altamaha and Ogeechee drainages of Georgia: Reporting an undescribed form in the Ocmulgee River. *Biochemical Systematics and Ecology* 23:617-625.
- 2025 Jagoe, C.H. and D. Welter. 1995. Quantitative comparisons of the morphology and ultrastructure of erythrocyte nuclei from seven freshwater fish species. *Canadian Journal of Zoology* 73:1951-1959.
- 2026 Hinton, T.G., M. McDonald, Y. Ivanov, N. Arkhipov, and A. Arkhipov. 1996. Foliar absorption of resuspended ¹³⁷Cs relative to other pathways of plant contamination. *Journal of Environmental Radioactivity* 30:15-30.
- 2027 Bandoni, S.M., M. Mulvey, and E.S. Loker. 1995. Intraspecific and interspecific patterns of allozyme variation among species of *Biomphalaria* Preston, 1910 (Gastropoda: Planorbidae). *Biochemical Systematics and Ecology* 23:593-616.
- 2028 Herbert, B.E. and P.M. Bertsch. 1995. Characterization of dissolved and colloidal organic matter in soil solution: A review. p. 63-88. In Eighth North American Forest Soils Conference: Carbon Forms and Functions in Forest Soils, edited by William W. McFee and J. Michael Kelly. Soil Science Society of America. Gainesville, FL.

- 2029 Scribner, K.T., S.J. Morreale, M.H. Smith, and J.W. Gibbons. 1995. Factors contributing to temporal and age-specific genetic variation in the freshwater turtle *Trachemys scripta*. *Copeia* 1995:970-977.
- 2030 Sheldon, A.L. and G.K. Meffe. 1995. Short-term recolonization by fishes of experimentally defaunated pools of a coastal plain stream. *Copeia* 1995:828-837.
- 2031 Newman, M.C. and R.H. Jago. 1996. Bioaccumulation models with time lags: Dynamics and stability criteria. *Ecological Modelling* 84:281-286.
- 2032 Buhlmann, K.A., T.K. Lynch, J.W. Gibbons, and J.L. Greene. 1995. Prolonged egg retention in the turtle *Deirochelys reticularia* in South Carolina. *Herpetologica* 51:457-462.
- 2033 Frazer, N.B. 1995. Preface: Herpetological research at a National Environmental Research Park. *Herpetologica* 51:383-386.
- 2034 Krenz, J.D. and D.M. Sever. 1995. Mating and oviposition in paedomorphic *Ambystoma talpoideum* precedes the arrival of terrestrial males. *Herpetologica* 51:387-393.
- 2035 Burke, V.J., J.L. Greene, and J.W. Gibbons. 1995. The effect of sample size and study duration on metapopulation estimates for slider turtles (*Trachemys scripta*). *Herpetologica* 51:451-456.
- 2036 Scott, D.E. and M.R. Fore. 1995. The effect of food limitation on lipid levels, growth, and reproduction in the marbled salamander, *Ambystoma opacum*. *Herpetologica* 51:462-471.
- 2037 Scott, D.E., R.U. Fischer, J.D. Congdon, and S.A. Busa. 1995. Whole body lipid dynamics and reproduction in the Eastern cottonmouth, *Agkistrodon piscivorus*. *Herpetologica* 51:472-487.
- 2038 Seigel, R.A., J.W. Gibbons, and T.K. Lynch. 1995. Temporal changes in reptile populations: Effects of a severe drought on aquatic snakes. *Herpetologica* 51:424-434.
- 2039 Congdon, J.D., R.U. Fischer, and R.E. Gatten, Jr. 1995. Effects of incubation temperatures on characteristics of hatchling American alligators. *Herpetologica* 51:497-504.
- 2040 McAlpine, S. and M.H. Smith. 1995. Genetic correlates of fitness in the green treefrog, *Hyla cinerea*. *Herpetologica* 51:393-400.

- 2041 Jenssen, T.A., J.D. Congdon, R.U. Fischer, R. Estes, D. Kling, and S. Edmands. 1995. Morphological characteristics of the lizard, *Anolis carolinensis*, from South Carolina. *Herpetologica* 51:401-411.
- 2042 Mills, M.S., C.J. Hudson, and H.J. Berna. 1995. Spatial ecology and movements of the brown water snake (*Nerodia taxispilota*). *Herpetologica* 51:412-423.
- 2043 Niewiarowski, P.H. 1995. Effects of supplemental feeding and thermal environment on growth rates of eastern fence lizards, *Sceloporus undulatus*. *Herpetologica* 51:487-496.
- 2044 Pechmann, J.H.K. 1995. Use of large field enclosures to study the terrestrial ecology of pond-breeding amphibians. *Herpetologica* 51:434-450.
- 2045 Pinder, J.E., III, F.B. Golley, and R.F. Lide. 1995. Factors affecting limited reproduction by loblolly pine in a large old field. *Bulletin of the Torrey Botanical Club* 122:306-311.
- 2046 Sever, D.M., L.C. Rania, and J.D. Krenz. 1996. The annual cycle of sperm storage in the spermathecae of the red-spotted newt, *Notophthalmus viridescens* (Amphibia: Salamandridae). *Journal of Morphology* 227:155-170.
- 2047 Koetsier, P. and C.F. Bryan. 1996. Is macroinvertebrate drift a density-dependent mechanism of the benthos in the lower Mississippi River? *Journal of Freshwater Ecology* 11:1-10.
- 2048 Rowe, C.L. and W.A. Dunson. 1995. Individual and interactive effects of salinity and initial fish density on a salt marsh assemblage. *Marine Ecology Progress Series* 128:271-278.
- 2049 Collins, B. and G. Wein. 1995. Seedbank and vegetation of a constructed wetland. *Wetlands* 15:374-385.
- 2050 Battaglia, L.L., J.R. Keough, and D.W. Pritchett. 1995. Early secondary succession in a southeastern U.S. alluvial floodplain. *Journal of Vegetation Science* 6:769-776.
- 2051 Strojan, C.L. 1996. Summary. p. 399-402. In Ecotoxicology: A Hierarchical Treatment, edited by M.C. Newman and C.H. Jagoe. Lewis Publishers. Boca Raton, FL.
- 2052 Kaplan, D.I., M.E. Sumner, P.M. Bertsch, and D.C. Adriano. 1996. Chemical conditions conducive to the release of mobile colloids from ultisol profiles. *Soil Science Society of America* 60:269-274.

- 2053 Bryan, A.L., Jr., T.M. Murphy, K.L. Bildstein, I.L. Brisbin, Jr., and J.J. Mayer. 1996. Use of reservoirs and other artificial impoundments by Bald Eagles in South Carolina. p. 287-298. In Raptors in Human Landscapes, edited by D.M. Bird, D.E. Varland, and J.J. Negro. Academic Press. London.
- 2054 Boone, M.D. and O.E. Rhodes, Jr. 1996. Genetic structure among subpopulations of the eastern wild turkey (*Meleagris gallopavo silvestris*). *American Midland Naturalist* 135:168-171.
- 2055 Sever, D.M., L.C. Rania, and J.D. Krenz. 1996. Reproduction of the salamander, *Siren intermedia* Le Conte with especial reference to oviductal anatomy and mode of fertilization. *Journal of Morphology* 227:335-348.
- 2056 Dunson, W.A. and C.L. Rowe. 1996. The effects of species manipulation on growth and survival of an assemblage of juvenile estuarine fish. *Journal of Fish Biology* 48:120-130.
- 2057 Chlopecka, A., J.R. Bacon, M.J. Wilson, and J. Kay. 1996. Forms of cadmium, lead, and zinc in contaminated soils from Southwest Poland. *Journal of Environmental Quality* 25:69-79.
- 2058 Jung, R.E. and C.H. Jagoe. 1995. Effects of low pH and aluminum on body size, swimming performance and susceptibility to predation of green treefrog (*Hyla cinerea*) tadpoles. *Canadian Journal of Zoology* 73:2171-2183.
- 2059 Bryce, A.L. and S.B. Clark. 1996. Nickel desorption kinetics from hydrous ferric oxide in the presence of EDTA. *Colloids and Surfaces A: Physicochemical and Engineering Aspects* 107:123-130.
- 2060 Jagoe, C., A. Faivre, and M. Newman. 1996. Morphological and morphometric changes in the gills of mosquitofish (*Gambusia holbrooki*) after exposure to mercury (II). *Aquatic Toxicology* 34:163-183.
- 2061 Colwell, S.V., R.A. Kennamer, and I.L. Brisbin, Jr. 1996. Radiocesium patterns in wood duck eggs and nesting females in a contaminated reservoir. *Journal of Wildlife Management* 60:186-194.
- 2062 Peters, E.L. and I.L. Brisbin, Jr. 1996. Environmental influences on the ¹³⁷Cs kinetics of the yellow-bellied turtle (*Trachemys scripta*). *Ecological Monographs* 66:115-136.
- 2063 Nagle, R.D., R.C. van Loben Sels, and J.D. Congdon. 1995. Observations of agonistic and mutualistic interactions between birds and non-avian vertebrates on the E.S. George Reserve, Michigan. *Canadian Field Naturalist* 109:464-466.

- 2064 Chlopecka, A. 1996. Forms of Cd, Cu, Pb, and Zn in soil and their uptake by cereal crops when applied jointly as carbonates. *Water, Air, and Soil Pollution* 87:297-309.
- 2065 Kelly, M.S. and J.E. Pinder, III. 1996. Foliar uptake of ¹³⁷Cs from the water column by aquatic macrophytes. *Journal of Environmental Radioactivity* 30:271-280.
- 2066 Newman, M.C. and J.T. McCloskey. 1996. Predicting relative toxicity and interactions of divalent metal ions: Microtox® bioluminescence assay. *Environmental Toxicology and Chemistry* 15:275-281.
- 2067 Plummer, M.V. and J.D. Congdon. 1996. Rates of metabolism and water flux in free-ranging racers, *Coluber constrictor*. *Copeia* 1996:8-14.
- 2068 Coulter, M.C. and A.L. Bryan, Jr. 1995. Factors affecting reproductive success of wood storks (*Mycteria americana*) in east-central Georgia. *The Auk* 112:237-243.
- 2069 Baker, R.J., M.J. Hamilton, R.A. Van Den Bussche, L.E. Wiggins, D.W. Sugg, M.H. Smith, M.D. Lomakin, S.P. Gaschak, E.G. Bundova, G.A. Rudenskaya, and R.K. Chesser. 1996. Small mammals from the most radioactive sites near the Chernobyl nuclear power plant. *Journal of Mammalogy* 77:155-170.
- 2070 Lee, J.R. 1996. *Agkistrodon piscivorus piscivorus* (Eastern cottonmouth) coloration. *Herpetological Review* 27:22.
- 2071 Sloan, K.N., K.A. Buhlmann, and J.E. Lovich. 1996. Stomach contents of commercially harvested adult alligator snapping turtles, *Macrolemys temminckii*. *Chelonian Conservation and Biology* 2:96-99.
- 2072 Lovich, J.E. 1996. Possible demographic and ecologic consequences of sex ratio manipulation in turtles. *Chelonian Conservation and Biology* 2:114-117.
- 2073 Tuberville, T.D., P.G. Dudley, and A.J. Pollard. 1996. Responses of invertebrate herbivores to stinging trichomes of *Urtica dioica* and *Laportea canadensis*. *Oikos* 75:83-88.
- 2074 Wise, M.G., J.V. McArthur, C. Wheat, and L.J. Skimkets. 1996. Temporal variation in genetic diversity and structure of a lotic population of *Burkholderia (Pseudomonas) cepacia*. *Applied and Environmental Microbiology* 62:1558-1562.
- 2075 Sharitz, R.R. 1993. Coarse woody debris and woody seedling recruitment in southeastern forests. p. 29-34. In Proceedings of the Workshop on Coarse Woody Debris in Southern Forests: Effects on Biodiversity, edited by J.W. McMinn and

- D.A. Crossley. U.S. Department of Energy and USDA Forest Service. Athens, GA.
- 2076 Meffe, G.K., S.C. Weeks, M. Mulvey, and K.L. Kandl. 1995. Genetic differences in thermal tolerance of eastern mosquitofish (*Gambusia holbrooki*; Poeciliidae) from ambient and thermal ponds. *Canadian Journal of Fisheries and Aquatic Sciences* 52:2704-2711.
- 2077 Peters, E.L., I.L. Brisbin, Jr., and R.A. Kennamer. 1995. Alternative agriculture as a substitute for environmental remediation. p. 523-537. In Proceedings of an International Symposium on Environmental Impact of Radioactive Releases: Organized by the International Atomic Energy Agency, 8-12 May, Vienna, Austria.
- 2078 Holling, C.S. and G.K. Meffe. 1996. Command and control and the pathology of natural resource management. *Conservation Biology* 10:328-337.
- 2079 Baker, R.J., R.A. Van Den Bussche, A.J. Wright, L.E. Wiggins, M.J. Hamilton, E.P. Reat, M.H. Smith, M.D. Lomakin, and R.K. Chesser. 1996. High levels of genetic change in rodents of Chernobyl. *Nature* 380:707-708.
- 2080 Lovich, J.E., S.W. Gotte, C.H. Ernst, J.C. Harshbarger, A.F. Laemmerzahl, and J.W. Gibbons. 1996. Prevalence and histopathology of shell disease in turtles from Lake Blackshear, Georgia. *Journal of Wildlife Disease* 32:259-265.
- 2081 Mulvey, M., M.C. Newman, and A.N. Beeby. 1996. Genetic and conchological comparison of snails (*Helix aspersa*) differing in shell deposition of lead. *Journal of Molluscan Studies* 62:213-223.
- 2082 Liu, H.P., J.B. Mitton, and S.K. Wu. 1996. Paternal mitochondrial DNA differentiation far exceeds maternal mitochondrial DNA and allozyme differentiation in the freshwater mussel, *Anodonta grandis grandis*. *Evolution* 50:952-957.
- 2083 Rhodes, O.E., Jr., L.M. Smith, and M.H. Smith. 1996. Relationships between genetic variation and body size in wintering mallards. *The Auk* 113:339-345.
- 2084 Shine, R. and R.A. Seigel. 1996. A neglected life-history trait: clutch size variance in snakes. *Journal of Zoology* 239:209-223.
- 2085 Meffe, G.K. 1996. Genetic and ecological guidelines for species reintroduction programs. *Journal of Great Lakes Research* 21:3-9.
- 2086 Fischer, R.U., J.D. Congdon, and M. Brock. 1996. Total body electrical conductivity (TOBEC): a tool to estimate lean mass and nonpolar lipids of an aquatic organism? *Copeia* 2:459-462.

- 2087 Kennett, R. and O. Tory. 1996. Diet of two freshwater turtles, *Chelodina rugosa* and *Elseya dentata* (Testudines: Chelidae) from the wet-dry tropics of northern Australia. *Copeia* 2:409-419.
- 2088 Sugg, D.W., M.D. Lomakin, J.A. Brooks, M.H. Smith, J.W. Bickham, R.J. Baker, and R.K. Chesser. 1996. DNA damage and radiocesium in channel catfish from Chernobyl. *Environmental Toxicology and Chemistry* 15:1057-1063.
- 2089 Ballinger, R.E. and J.D. Congdon. 1996. Status of the bunch grass lizard *Sceloporus scalaris*, in the Chiricahua Mountains of southeastern Arizona. *Bulletin of the Maryland Herpetological Society* 32:67-69.
- 2090 Plague, G.R. 1996. Examination of the feeding behavior of larval *Tropisternus* (Coleoptera: Hydrophilidae). *Journal of the Kansas Entomological Society* 69:104-107.
- 2091 Snodgrass, J.W., A.L. Bryan, Jr., R.F. Lide, and G.M. Smith. 1996. Factors affecting the occurrence and structure of fish assemblages in isolated wetlands of the Upper Coastal Plain, USA. *Canadian Journal of Fisheries and Aquatic Sciences* 53:443-454.
- 2092 Newman, M.C. 1996. Measuring metals and metalloids in water, sediment and biological tissues. p. 493-516. In Techniques in Aquatic Toxicology, edited by G.K. Ostrander. CRC Press. Boca Raton,FL.
- 2093 Weeks, S.C. and G.K. Meffe. 1996. Quantitative genetic and optimality analysis of life-history plasticity in the Eastern mosquitofish, *Gambusia holbrooki*. *Evolution* 50:1358-1365.
- 2094 Kemner, K.M., D.B. Hunter, W.T. Elam, and P.M. Bertsch. 1996. XAFS studies of solution phase complexes of cesium with dibenzo-18-crown-6 ethers. *Journal of Physical Chemistry* 100:11698-11703.
- 2095 Woodward, L.A., M. Mulvey, and M.C. Newman. 1996. Mercury contamination and population-level response in chironomids: Can allozyme polymorphism indicate exposure? *Environmental Toxicology and Chemistry* 15:1309-1316.
- 2096 Newman, M.C. and J.T. McCloskey. 1996. Time-to-event analyses of ecotoxicity data. *Ecotoxicology* 5:187-196.
- 2097 Moorhead, K.K. and J.V. McArthur. 1996. Spatial and temporal patterns of nutrient concentrations in foliage of riparian species. *The American Midland Naturalist* 136:29-41.

- 2098 Bodie, J.R., K.R. Smith, and V.J. Burke. 1996. A comparison of diel nest temperature and nest site selection for two sympatric species of freshwater turtles. *American Midland Naturalist* 136:181-186.
- 2099 Whiteman, H.H., S.A. Wissinger, and W.S. Brown. 1996. Growth and foraging consequences of facultative paedomorphosis in the tiger salamander, *Ambystoma tigrinum nebolosum*. *Evolutionary Ecology* 10:433-446.
- 2100 Tuberville, T.D., J.W. Gibbons, and J.L. Greene. 1996. Invasion of new habitats by male freshwater turtles. *Copeia* 3:713-715.
- 2101 Richards, C. and L. P.L. 1996. Temporal changes in allele frequencies and a population's history of severe bottleneck. *Conservation Biology* 10:832-839.
- 2102 Megonigal, J.P., S.P. Faulkner, and W.H. Patrick, Jr. 1996. The microbial activity season in southeastern hydric soils. *Soil Science Society of America Journal* 60:1263-1266.
- 2103 Reese, R.E. and K.K. Moorhead. 1996. Spatial characteristics of soil properties in a Carolina bay wetland. *Soil Science Society of America Journal* 60:1273-1277.
- 2104 Belk, M.C. and M.H. Smith. 1995. Pelage coloration in oldfield mice (*Peromyscus polionotus*): antipredator adaptation? *Journal of Mammalogy* 77:882-890.
- 2105 Stockwell, C.A., M. Mulvey, and G.L. Vinyard. 1996. Translocations and the preservation of allelic diversity. *Conservation Biology* 10:1133-1141.
- 2106 Romanek, C.S. and R.W. Gauldie. 1996. A predictive model of otolith growth in fish based on the chemistry of the endolymph. *Comparative Biochemical Physiology* 114A:71-79.
- 2107 Kennett, R. 1996. Growth and maturity of two freshwater turtles, *Chelodina rugosa* and *Elseya dentata*, from the wet-dry tropics of Northern Australia. *Herpetologica* 52:383-395.
- 2108 Seaman, J.C., P.M. Bertsch, S.F. Korom, and W.P. Miller. 1996. Physicochemical controls on non-conservative anion migration in coarse-textured alluvial sediments. *Ground Water* 34:778-782.
- 2109 Jenssen, T.A., J.D. Congdon, R.U. Fischer, R. Estes, D. Kling, S. Edmands, and H. Berna. 1996. Behavioural, thermal, and metabolic characteristics of a wintering lizard (*Anolis carolinensis*) from South Carolina. *Functional Ecology* 10:201-209.

- 2110 Sugg, D.W., F.S. Dobson, R.K. Chesser, and J.F. Hoogland. 1996. Population genetics meets behavioral ecology. *Trends in Ecology and Evolution* 11:338-342.
- 2111 Simon, L., H.W. Martin, and D.C. Adriano. 1996. Chicory (*Cichorium intybus* L.) and dandelion (*Taraxacum officinale* web.) as phytoindicators of cadmium contaminants. *Water, Air and Soil Pollution* 91:351-362.
- 2112 Pickens, R.M. and C.H. Jagoe. 1996. Relationships between precipitation and surface water chemistry in three Carolina bays. *Archiv fur Hydrobiologie* 137:187-209.
- 2113 Schultz, I.R., E.L. Peters, and M.C. Newman. 1996. Toxicokinetics and disposition of inorganic mercury and cadmium in channel catfish after intravascular administration. *Toxicology and Applied Pharmacology* 140:39-50.
- 2114 Kandl, K.L. and A.J. Thompson. 1996. Responses of eastern mosquitofish (*Gambusia holbrooki*) to acute salinity stress: do family effects obscure inbreeding and genotype effects? *Canadian Journal of Fisheries and Aquatic Sciences* 53:753-760.
- 2115 Crane, M. and M.C. Newman. 1996. Scientific method in environmental toxicology. *Environmental Reviews* 4:112-122.
- 2116 McCloskey, J.T., M.C. Newman, and S.B. Clark. 1996. Predicting the relative toxicity of metal ions using ion characteristics: Microtox bioluminescence assay. *Environmental Toxicology and Chemistry* 15:1730-1737.
- 2117 McArthur, J.V. and K.K. Moorhead. 1996. Characterization of riparian species and stream detritus using multiple stable isotopes. *Oecologia* 232-238.
- 2118 Congdon, J.D. and J.W. Gibbons. 1996. Structure and dynamics of a turtle community over two decades. p. 137-159. In Long-Term Studies of Vertebrate Communities, edited by M. Cody and J. Smallwood. Academic Press, Inc.
- 2119 Chlopecka, A. 1996. Assessment of form of Cd, Zn, and Pb in contaminated calcareous and gleyed soil in Southwest Poland. *The Science of the Total Environment* 188:253-262.
- 2120 Hartman, G.D. 1996. Genetic variation in a subterranean mammal, *Scalopus aquaticus* (Insectivora: Talpidae). *Biological Journal of the Linnean Society* 59:115-125.
- 2121 Semlitsch, R.D., D.E. Scott, J.H.K. Pechmann, and J.W. Gibbons. 1996. Structure and dynamics of an amphibian community: evidence from a 16-year study of a natural pond. p. 217-248. In Long-term Studies of Vertebrate Communities, edited by M.L. Cody and J. Smallwood. Academic Press, Inc.

- 2122 Onken, B.M. and L.R. Hossner. 1996. Determination of arsenic species in soil solution under flooded conditions. *Soil Science Society of America Journal* 60:1385-1392.
- 2123 Sowder, A.G., S.B. Clark, and R.A. Fjeld. 1996. The effect of silica and phosphate on the transformation of schoepite to becquerelite and other uranyl phases. *Radiochimica Acta* 74:45-49.
- 2124 Risch, T.S. and M.J. Brady. 1996. Trap height and capture success of arboreal small mammals: evidence from southern flying squirrels (*Glaucomys volans*). *American Midland Naturalist* 136:346-351.
- 2125 Houck, L.D., M.T. Mendonca, T.K. Lynch, and D.E. Scott. 1996. Courtship behavior and plasma levels of androgens and corticosterone in male marbled salamanders, *Ambystoma opacum* (Ambystomatidae). *General and Comparative Endocrinology* 104:243-252.
- 2126 Clark, S.B., W.B. Johnson, M.A. Malek, S.M. Serkiz, and T.G. Hinton. 1996. A comparison of sequential extraction techniques to estimate geochemical controls on the mobility of fission product, actinide, and heavy metal contaminants in soils. *Radiochimica Acta* 74:173-179.
- 2127 Liu, H.-P. and J.B. Mitton. 1995. Tissue-specific maternal and paternal mitochondrial DNA in the freshwater mussel, *Anodonta grandis grandis*. *The Journal of Molluscan Studies* 62:393-394.
- 2128 Chlopecka, A. and D.C. Adriano. 1996. Mimicked in-situ stabilization of metals in a cropped soil: Bioavailability and chemical form of zinc. *Environmental Science and Technology* 30:3294-3303.
- 2129 Chazal, A.C., J.D. Krenz, and D.E. Scott. 1996. Relationship of larval density and heterozygosity to growth and survival of juvenile marbled salamanders (*Ambystoma opacum*). *Canadian Journal of Zoology* 74:1122-1129.
- 2130 Batson, V.L., P.M. Bertsch, and B.E. Herbert. 1996. Transport of anthropogenic uranium from sediments to surface waters during episodic storm events. *Journal of Environmental Quality* 25:1129-1137.
- 2131 Chesser, R.K. and R.J. Baker. 1996. Effective sizes and dynamics of uniparentally and diparentally inherited gene characters. *Genetics* 144:1225-1235.
- 2132 Brooks, M.J., B.E. Taylor, and J.A. Grant. 1996. Carolina bay geoarchaeology and holocene landscape evolution on the upper coastal plain of South Carolina. *Geoarchaeology* 11:481-504.

- 2133 Martin, H.W., T.R. Young, D.I. Kaplan, L. Simon, and D.C. Adriano. 1996. Evaluation of three herbaceous index plant species for bioavailability of soil cadmium, chromium, nickel, and vanadium. *Journal of Plant and Soil* 182:199-207.
- 2134 McLeod, K.W., J.K. McCarron, and W.H. Conner. 1996. Effects of flooding and salinity on photosynthesis and water relations of four southeastern coastal plain forest species. *Wetlands Ecology and Management* 4:31-42.
- 2135 Lydeard, C., M. Mulvey, and G.M. Davis. 1996. Molecular systematics and evolution of reproductive traits of North American freshwater unionacean mussels (Mollusca: Bivalvia) as inferred from 16S rRNA gene sequences. *The Royal Society (London) Series B* 351:1593-1603.
- 2136 Liu, H.-P., J.B. Mitton, and S.J. Herrmann. 1996. Genetic differentiation in and management recommendations for the freshwater mussel, *Pyganodon grandis* (Say, 1829). *American Malacological Bulletin* 13:117-124.
- 2137 Winkelman, D.L. 1996. Reproduction under predatory threat: tradeoffs between nest guarding and predator avoidance in male dollar sunfish (*Lepomis marginatus*). *Copeia* 4:845-851.
- 2138 Peters, E.L. 1996. Estimating the energy metabolism of goldfish (*Carassius auratus*) and southern toads (*Bufo terrestris*) from ⁸⁶Rb elimination rates. *Copeia* 4:791-804.
- 2139 Pauley, E.F., S.C. Nodvin, N.S. Nicholas, A.K. Rose, and T.B. Coffey. 1996. Vegetation, biomass, and nitrogen pools in a spruce-fir forest of the Great Smoky Mountains National Park, USA. *Bulletin of the Torrey Botanical Club* 123:318-329.
- 2140 Kirkman, L.K., R.F. Lide, G.R. Wein, and R.R. Sharitz. 1996. Vegetation changes and land-use legacies of depression wetlands of the western coastal plain of South Carolina: 1951-1992. *Wetlands* 16:564-576.
- 2141 Keeland, B.D. and R.R. Sharitz. 1997. The effects of water level fluctuations on weekly tree growth in a southeastern USA swamp. *American Journal of Botany* 84:131-139.
- 2142 Duff, M.C., C. Amrhein, P.M. Bertsch, and D.B. Hunter. 1997. The chemistry of uranium in evaporation pond sediment in the San Joaquin Valley, California, USA, using x-ray fluorescence and XANES techniques. *Geochimica et Cosmochimica Acta* 61:73-81.

- 2143 Avise, J.C., P.C. Pierce, M.J. Van Den Avyle, M.H. Smith, W.S. Nelson, and M.A. Asmussen. 1997. Cytonuclear introgressive swamping and species turnover of bass after an introduction. *Journal of Heredity* 88:14-20.
- 2144 Rowe, C.L., O.M. Kinney, A.P. Fiori, and J.D. Congdon. 1996. Oral deformities in tadpoles (*Rana catesbeiana*) associated with coal ash deposition: effects on grazing ability and growth. *Freshwater Biology* 36:723-730.
- 2145 Cross, W.H., W.M. Cross, P.R. Jackson, P.M. Dixon, and J.E. Pinder, III. 1997. Corresponding development of plant and phytophagous orthopteran communities during southeastern old-field succession. *American Midland Naturalist* 137:188-193.
- 2146 Wise, M.G., J.V. McArthur, and L.J. Shimkets. 1996. 16S rRNA gene probes for *Deinococcus* species. *Systematic and Applied Microbiology* 19:365-369.
- 2147 Bertsch, P.M. and P.R. Bloom. 1996. Aluminum. p. 517-550. In Methods of Soil Analysis. Part 3. Chemical Methods, edited by D.L. Sparks. 3rd ed., Agronomy no. 9 Vol. Soil Science Society of America and American Society of Agronomy. Madison, WI.
- 2148 Frankenberger, W.T., Jr., M.A. Tabatabai, D.C. Adriano, and H.E. Doner. 1996. Bromine, Chloride, & Fluorine. p. 833-867. In Methods of Soil Analysis. Part 3. Chemical Methods, edited by D.L. Sparks. 3rd ed., Agronomy no.9 Vol. Soil Science Society of America and American Society of Agronomy. Madison, WI.
- 2149 Lee, J.R., V.J. Burke, and J.W. Gibbons. 1997. Behavior of hatchling *Alligator mississippiensis* exposed to ice. *Copeia* 1:224-226.
- 2150 Jagoe, C.H., P.L. Shaw-Allen, and S. Brundage. 1996. Gill Na⁺, K⁺-ATPase activity in largemouth bass (*Micropterus salmoides*) from three reservoirs with different levels of mercury contamination. *Aquatic Toxicology* 36:161-176.
- 2151 Walker, D., W.S. Nelson, K.A. Buhlmann, and J.C. Avise. 1997. Mitochondrial DNA phylogeography and subspecies issues in the monotypic freshwater turtle (*Sternotherus odoratus*). *Copeia* 1:16-21.
- 2152 Teppen, B.J., K. Rasmussen, P.M. Bertsch, D.M. Miller, and L. Schafer. 1997. Molecular dynamics modeling of clay minerals. 1. gibbsite, kaolinite, pyrophyllite, and beidellite. *Journal of Physical Chemistry* 101:1579-1587.
- 2153 Gibbons, J.W., V.J. Burke, J.E. Lovich, R.D. Semlitsch, T.D. Tuberville, J.R. Bodie, J.L. Green, P.H. Niewiarowski, H.H. Whiteman, D.E. Scott, J.H.K. Pechmann, C.R. Harrison, S.H. Bennett, J.D. Krenz, M.S. Mills, K.A. Buhlmann, J.R. Lee, R.A. Seigel, A.D. Tucker, T.M. Mills, T. Lamb, M.E. Dorcas, N.B. Frazer, J.D. Congdon, M.H. Smith, D.H. Nelson, M.B. Dietsch, H.G. Hanlin, J.A.

- Ott, and D.J. Karapatakis. 1997. Perceptions of species abundance, distribution, and diversity: lessons from four decades of sampling on a government-managed reserve. *Environmental Management* 21:259-268.
- 2154 Onken, B.M. and S.J. Traina. 1997. The sorption of pyrene and anthracene to humic acid-mineral complexes: effect of fractional organic carbon content. *Journal of Environmental Quality* 26:126-132.
- 2155 Onken, B.M. and S.J. Traina. 1997. The sorption of nonionic organic solutes to humic acid-mineral complexes: effect of cosolutes. *Journal of Environmental Quality* 26:132-138.
- 2156 McCreedy, C.D., C.H. Jagoe, L.T. Glickman, and I.L. Brisbin, Jr. 1997. Bioaccumulation of Cesium-137 in yellow bullhead catfish (*Ameiurus natalis*) inhabiting an abandoned nuclear reactor reservoir. *Environmental Toxicology and Chemistry* 16:328-335.
- 2157 Megonigal, J.P., W.H. Conner, S. Kroeger, and R.R. Sharitz. 1997. Aboveground production in southeastern floodplain forests: A test of the subsidy-stress hypothesis. *Ecology* 78:370-384.
- 2158 Gates, W.P., B.J. Teppen, and P.M. Bertsch. 1997. Sorption of aromatics in the interlayer space of organo-clays. p. 41-48. In *Industrial Minerals Symposium*, Verlag der Gesellschaft für Geowissenschaften e. V. Neubrandenburg, Germany.
- 2159 Wise, M.G., J.V. McArthur, and L.J. Shimkets. 1997. Bacterial diversity of a carolina bay as determined by 16S rRNA gene analysis: confirmation of novel taxa. *Applied and Environmental Microbiology* 63:1505-1514.
- 2160 Taylor, B.E. and D.E. Scott. 1997. Effects of larval density dependence on population dynamics of *Ambystoma opacum*. *Herpetologica* 53:132-145.
- 2161 Dorcas, M.E. and C.R. Peterson. 1997. Head-body temperature differences in free-ranging rubber boas. *Journal of Herpetology* 31:87-93.
- 2162 Koetsier, P., J.V. McArthur, and L. Leff. 1997. Spatial and temporal response of stream bacteria to sources of dissolved organic carbon in a blackwater stream system. *Freshwater Biology* 37:79-89.
- 2163 Yanochko, G.M., C.H. Jagoe, and I.L. Brisbin, Jr. 1997. Tissue mercury concentrations in alligators (*Alligator mississippiensis*) from the Florida Everglades and the Savannah River Site, South Carolina. *Archives of Environmental Contamination and Toxicology* 32:323-328.

- 2164 Woodruff, D.S. and M. Mulvey. 1997. Neotropical schistomiasis: African affinities of the host snail *Biomphalaria glabrata* (Gastropoda: Planorbidae). *Biological Journal of the Linnean Society* 60:505-516.
- 2165 Allen, B.P., E.F. Pauley, and R.R. Sharitz. 1997. Hurricane impacts on liana populations in an old-growth southeastern bottomland forest. *Journal of the Torrey Botanical Society* 124:34-42.
- 2166 Draney, M.L. 1997. Ethical obligations toward insect pests. *Ethics and the Environment* 2:5-23.
- 2167 Dorcas, M.E., C.R. Peterson, and M.E.T. Flint. 1997. The thermal biology of digestion in rubber boas (*Charina bottae*): physiology, behavior, and environmental constraints. *Physiological Zoology* 70:292-300.
- 2168 Morreale, S.J. and V.J. Burke. 1997. Conservation and biology of sea turtles in the northeastern United States. p. 41-46. In Conservation and Biology of Northeastern Turtles, edited by T. J. Tynning. Serpent's Tale. Worcester, MA.
- 2169 Brisbin, I.L., Jr. and T.S. Risch. 1997. Primitive dogs, their ecology and behavior: unique opportunities to study the early development of the human-canine bond. *Journal of the American Veterinary Medical Association* 210:1122-1126.
- 2170 Sugg, D.W., R.K. Chesser, and J.C. Long. 1997. Assessment of genetic information in 2170 morphometric traits: geographic patterns and evolutionary interpretation. *Journal of Mammalogy* 78:405-416.
- 2171 Masion, A. and P.M. Bertsch. 1997. Aluminium speciation in the presence of wheat root cell walls: a wet chemical study. *Plant, Cell & Environment* 20:505-512.
- 2172 Sullivan, E.J., D.B. Hunter, and R.S. Bowman. 1997. Topological and thermal properties of surfactant-modified clinoptilolite studied by tapping-modeTM atomic force microscopy and high-resolution thermogravimetric analysis. *Clays and Clay Minerals* 45:42-53.
- 2173 Kaplan, D.I., P.M. Bertsch, and D.C. Adriano. 1997. Mineralogical and physicochemical differences between mobile and nonmobile colloidal phases in reconstructed pedons. *Soil Science Society America Journal* 61:641-649.
- 2174 Dixon, P., N. Friday, P. Ang, S. Heppell, and M. Kshatriya. 1997. Sensitivity analysis of structure population models for management and conservation. p. 471-513. In Structured-population models in marine, terrestrial, and freshwater systems, edited by Tuljapurkar & Caswell. International Thomson Publishing. New York.

- 2175 Garrett, K.A. and P.M. Dixon. 1997. Environmental pseudointeraction: the effects of ignoring the scale of environmental heterogeneity in competition studies. *Theoretical Population Biology* 51:37-48.
- 2176 Keeland, B.D., W.H. Conner, and R.R. Sharitz. 1997. A comparison of wetland tree growth response to hydrologic regime in Louisiana and South Carolina. *Forest Ecology and Management* 90:237-250.
- 2177 Fore, S.A. and S.I. Guttman. 1996. Spatial and temporal genetic structure of *Asclepias verticillata* (whorled milkweed) among prairie patches in a forested landscape. *Canadian Journal of Botany* 74:1289-1297.
- 2178 McArthur, J.V. and R.C. Tuckfield. 1997. Information length: spatial and temporal parameters among stream bacterial assemblages. *Journal of the North American Benthological Society* 16:347-357.
- 2179 Koetsier, P. and J.V. McArthur. 1997. New concepts in stream ecology: proceedings of a symposium. *Journal of the North American Benthological Society* 16:303-304.
- 2180 McLeod, K.W. and T.G. Ciravolo. 1997. Differential sensitivity of *Nyssa aquatica* and *Taxodium distichum* seedlings grown in fly ash amended sand. *Wetlands* 17:330-335.
- 2181 Peles, J.D. and G.W. Barrett. 1997. Assessment of metal uptake and genetic damage in small mammals inhabiting a fly ash basin. *Bulletin of Environmental Contamination and Toxicology* 59:279-284.
- 2182 Howard, R.D., R.S. Moorman, and H.H. Whiteman. 1997. Differential effects of mate competition and mate choice on eastern tiger salamanders. *Animal Behaviour* 53:1345-1356.
- 2183 Pederson, N.A., R.H. Jones, and R.R. Sharitz. 1997. Age structure and possible origins of old *Pinus taeda* stands in a floodplain forest. *Journal of the Torrey Botanical Society* 124:111-123.
- 2184 Ford, R.G., P.M. Bertsch, and K.J. Farley. 1997. Changes in transition and heavy metal partitioning during hydrous iron oxide aging. *Environmental Science and Technology* 31:2028-2033.
- 2185 Burger, J., J. Sanchez, J.W. Gibbons, and M. Gochfeld. 1997. Risk perception, federal spending, and the Savannah River Site: attitudes of hunters and fishermen. *Risk Analysis* 17:313-320.

- 2186 Dudka, S. and D.C. Adriano. 1997. Environmental impacts of metal ore mining and processing: a review. *Journal of Environmental Quality* 26:590-602.
- 2187 Dosskey, M.G. and P.M. Bertsch. 1997. Transport of dissolved organic matter through a sandy forest soil. *Soil Science Society of America Journal* 61:920-927.
- 2188 Onken, B.M. and D.C. Adriano. 1997. Arsenic availability in soil with time under saturated and subsaturated conditions. *Soil Science Society of America Journal* 61:746-752.
- 2189 Pinder, J.E., III, G.C. Kroh, J.D. White, and A.M.B. May. 1997. The relationships between vegetation type and topography in Lassen Volcanic National Park. *Plant Ecology* 131:17-29.
- 2190 Kennamer, R.A., S.K. Alsum, and S.V. Colwell. 1997. Composition of wood duck eggs in relation to egg size, laying sequence, and skipped days of laying. *The Auk* 114:479-487.
- 2191 Lide, R.F. 1997. When is a depression wetland a Carolina bay? *Southeastern Geographer* 37:90-98.
- 2192 Brisbin, I.L., K.F. Gaines, C.H. Jagoe, and P.A. Consolie. 1997. Population studies of American alligators (*Alligator mississippiensis*) inhabiting a reservoir: responses to long-term drawdown and subsequent refill. p. 446-477. In Proceedings of the 13th Working Meeting of the IUCN/SSC Crocodile Specialist Group, IUCN-The World Conservation Union. Gland, Switzerland.
- 2193 Dobson, F.S., R.K. Chesser, J.L. Hoogland, D.W. Sugg, and D.W. Foltz. 1997. Do black-tailed prairie dogs minimize inbreeding? *Evolution* 51:970-978.
- 2194 van Loben Sels, R.C., J.D. Congdon, and J.T. Austin. 1997. Life history and ecology of the Sonoran mud turtle (*Kinosternon sonoriense*) in Southeastern Arizona: a preliminary report. *Chelonian Conservation and Biology* 2:338-344.
- 2195 Hinton, T.G., P.D. Fledderman, J.E. Lovich, J.D. Congdon, and J.W. Gibbons. 1997. Radiographic determination of fecundity: is the technique safe for developing turtle embryos? *Chelonian Conservation and Biology* 2:409-414.
- 2196 Gates, W.P., D.B. Hunter, P.R. Nuessle, and P.M. Bertsch. 1997. A time resolved XANES study of an organo-clay redox system. *Journal of de Physique IV France* 7:785-787.
- 2197 Lingenfelser, S.K., C.E. Dallas, C.H. Jagoe, R.K. Chesser, M.H. Smith, and M. Lomakin. 1997. Variation in blood cell DNA in *Carassius carassius* from ponds near Chernobyl, Ukraine. *Ecotoxicology* 6:187-203.

- 2198 Tucker, A.D., S.R. Yeomans, and J.W. Gibbons. 1997. Shell strength of mud snails (*Ilyanassa obsoleta*) may deter foraging by diamondback terrapins (*Malaclemys terrapin*). *American Midland Naturalist* 138:224-229.
- 2199 Buhlmann, K.A. and J.C. Mitchell. 1997. Ecological notes on the amphibians and reptiles of the naval surface warfare center, Dahlgren Laboratory, King George County, Virginia. *Banisteria* 9:45-51.
- 2200 Hunter, D.B., P.M. Bertsch, K.M. Kemner, and S.B. Clark. 1997. Distribution and chemical speciation of metals and metalloids in biota collected from contaminated environments by spatially resolved XRF, XANES, and EXAFS. *Journal de Physique IV France* 7:767-771.
- 2201 Bertsch, P.M., D.B. Hunter, P.R. Nuesse, and S.B. Clark. 1997. Molecular characterization of contaminants in soils by spatially resolved XRF & XANES spectroscopy. *Journal de Physique IV France* 7:817-818.
- 2202 Whicker, F.W., T.G. Hinton, and D.J. Niquette. 1997. Effects of a partial drawdown on the dynamics of ^{137}Cs in an abandoned reactor cooling reservoir. p. 193-202. In Freshwater and Estuarine Radioecology, edited by G. Desmet et al.
- 2203 Hinton, T.G. and F.W. Whicker. 1997. A screening model approach to determine probable impacts to fish from historic releases of radionuclides. p. 425-432. In Freshwater and Estuarine Radioecology, edited by G. Desmet et al.
- 2204 Scribner, K.T., M.H. Smith, and R.K. Chesser. 1997. Spatial and temporal variability of microgeographic genetic structure in white-tailed deer. *Journal of Mammalogy* 78:744-755.
- 2205 Chlopecka, A. and D.C. Adriano. 1997. Zinc uptake by plants on amended polluted soils. p. 527-532. In XII International Plant Nutrition Colloquium, edited by T.A.e. al. Kluwer Academic Publishers. Tokyo, Japan.
- 2206 Demuth, J.P. and K.A. Buhlmann. 1997. Diet of the turtle *Deirochelys reticularia* on the Savannah River Site, South Carolina. *Journal of Herpetology* 31:450-453.
- 2207 Plummer, M.V. 1997. Population ecology of green snakes (*Opheodrys aestivus*) revisited. *Herpetological Monographs* 11:102-123.
- 2208 Snodgrass, J.W. 1997. Temporal and spatial dynamics of beaver-created patches as influenced by management practices in a south-eastern North American landscape. *Journal of Applied Ecology* 34:1043-1056.
- 2209 Lingenfelser, S.F., C.E. Dallas, C.H. Jagoe, M.H. Smith, I.L. Brisbin, Jr., and R.K. Chesser. 1997. Variation in DNA content of blood cells of largemouth bass

- from contaminated and uncontaminated waters. *Environmental Toxicology and Chemistry* 16:2136-2143.
- 2210 Seaman, J.C., P.M. Bertsch, and R.N. Strom. 1997. Characterization of colloids mobilized from Southeastern coastal plain sediments. *Environmental Science and Technology* 31:2782-2790.
- 2211 Kemner, K.M., D.B. Hunter, E.J. Gall, P.M. Bertsch, J.P. Kirkland, and W.T. Elam. 1997. Molecular characterization of Cr phases in contaminated soils by Cr and Fe EXAFS: A tool for evaluating chemical remediation strategies. *Journal de Physique IV France* 7:811-812.
- 2212 Kemner, K.M., D.B. Hunter, B.M. Bertsch, J.P. Kirkland, and W.T. Elam. 1997. Determination of site specific binding environments of surface sorbed cesium on clay minerals by Cs-EXAFS. *Journal de Physique IV France* 7:777-779.
- 2213 Mitchell, J.C., S.C. Rinehart, J.F. Pagels, K.A. Buhlmann, and C.A. Pague. 1997. Factors influencing amphibian and small mammal assemblages in central Appalachian forests. *Forest Ecology and Management* 96:65-76.
- 2214 Niewiarowski, P.H., J.D. Congdon, A.E. Dunham, L.J. Vitt, and D.W. Tinkle. 1997. Tales of lizard tails: effects of tail autotomy on subsequent survival and growth of free-ranging hatchling *Uta stansburiana*. *Journal of Zoology* 75:542-548.
- 2215 Mulvey, M., C. Lydeard, D.L. Pyer, K.M. Hicks, J. Brim-Box, J.D. Williams, and R.S. Butler. 1997. Conservation genetics of North American freshwater mussels *Amblema* and *Megaloniaias*. *Conservation Biology* 11:868-878.
- 2216 Jagoe, R.H. and M.C. Newman. 1997. Bootstrap estimation of community NOEC values. *Ecotoxicology* 6:293-306.
- 2217 Sharitz, R.R. and C.A. Gresham. 1997. Pocosins and Carolina Bays. p. 343-377. In Southern Forested Wetlands Ecology and Management, edited by M.G. Messina and W.H. Conner. Lewis Publishers. Boca Raton.
- 2218 Beck, C.W. and B.D. Watts. 1997. The effect of cover and food on space use by wintering song sparrows and field sparrows. *Canadian Journal of Zoology* 75:1636-1641.
- 2219 Hopkins, W.A., M.T. Mendonca, and J.D. Congdon. 1997. Increased circulating levels of testosterone and corticosterone in southern toads, *Bufo terrestris*, exposed to coal combustion waste. *General and Comparative Endocrinology* 108:237-246.

- 2220 Ford, R.G., P.M. Bertsch, and J.C. Seaman. 1997. Goethite morphologies investigated via x-ray diffraction of oriented samples. *Clays and Clay Minerals* 45:769-772.
- 2221 Connor, D.M., T.G. Hinton, and C.M. Bell. 1997. Variance partitioning as a guide for sampling and comparing spatial distributions of Hg and ¹³⁷Cs in sediments. *The Science of the Total Environment* 206:167-176.
- 2222 Jagoe, C.H and T.A. Haines. 1997. Changes in gill morphology of Atlantic salmon (*Salmo salar*) smolts due to addition of acid and aluminum to stream water. *Environmental Pollution* 97:137-146.
- 2223 Beck, C.W. 1997. Effect of changes in resource level on age and size at metamorphosis in *Hyla squirella*. *Oecologia* 112:187-192.
- 2224 Tataru, C.P., M.C. Newman, J.T. McCloskey, and P.L. Williams. 1997. Predicting relative metal toxicity with ion characteristics: *Caenorhabditis elegans* LC50. *Aquatic Toxicology* 39:279-290.
- 2225 Weeks, S.C. and G.K. Meffe. 1997. "Grandfather Effects" on offspring size in the eastern mosquitofish, *Gambusia holbrooki*. *Copeia* 4:869-874.
- 2226 Hernandez-Martich, J.D. and M.H. Smith. 1997. Downstream gene flow and genetic structure of *Gambusia holbrooki* (eastern mosquitofish) populations. *Heredity* 79:295-301.
- 2227 May, A.M.B., J.E. Pinder, III, and G.C. Kroh. 1997. A comparison of Landsat Thematic Mapper and SPOT multi-spectral imagery for the classification of shrub and meadow vegetation in northern California, U.S.A. *International Journal of Remote Sensing* 18:3719-3728.
- 2228 Seigel, R.A., C.A. Sheil, and J.S. Doody. 1998. Changes in a population of an endangered rattlesnake *Sistrurus catenatus* following a severe flood. *Biological Conservation* 83:127-131.
- 2229 Collins, B.S. and G.R. Wein. 1997. Mass allocation and self-burial of *Aristida tuberculosa* florets. *Journal of the Torrey Botanical Society* 124:306-311.
- 2230 DeBiase, A.E. and B.E. Taylor. 1997. *Aglaodiaptomus atomicus*, a new species (Crustacea: Copepoda: Calanoida: Diaptomidae) from freshwater wetland ponds in South Carolina, U.S.A., and a redescription of *A. saskatchewanensis* (Wilson 1958). *Proceedings of the Biological Society of Washington* 110:569-580.
- 2231 Foré, S.A., J.L. Vankat, and R.L. Schaefer. 1997. Temporal variation in the woody understory of an old-growth *Fagus-Acer* forest and implications for overstory recruitment. *Journal of Vegetation Science* 8:607-614.

- 2232 Jones, R.H., B.P. Allen, and R.R. Sharitz. 1997. Why do early-emerging tree seedlings have survival advantages?: A test using *Acer rubrum* (Aceraceae). *American Journal of Botany* 84:1714-1718.
- 2233 Chlopecka, A. and D.C. Adriano. 1997. Influence of zeolite, apatite and Fe-oxide on Cd and Pb uptake by crops. *The Science of the Total Environment* 207:195-206.
- 2234 Mohler, H.J., F.W. Whicker, and T.G. Hinton. 1997. Temporal trends of ¹³⁷Cs in an abandoned reactor cooling reservoir. *Journal of Environmental Radioactivity* 37:251-268.
- 2235 Draney, M.L. 1997. Ground-layer spiders (Araneae) of a Georgia piedmont floodplain agroecosystem: species list, phenology and habitat selection. *The Journal of Arachnology* 25:333-351.
- 2236 De Steven, D. and R.R. Sharitz. 1997. Differential recovery of a deepwater swamp forest across a gradient of disturbance intensity. *Wetlands* 17:476-484.
- 2237 Conner, W.H., K.W. McLeod, and J.K. McCarron. 1997. Flooding and salinity effects on growth and survival of four common forested wetland species. *Wetlands Ecology and Management* 5:99-109.
- 2238 Martin, H.W. and D.I. Kaplan. 1998. Temporal changes in cadmium, thallium, and vanadium mobility in soil and phytoavailability under field conditions. *Water, Air, and Soil Pollution* 101:399-410.
- 2239 Rowe, C.L., O.M. Kinney, R.D. Nagle, and J.D. Congdon. 1998. Elevated maintenance costs in an anuran (*Rana catesbeiana*) exposed to a mixture of trace elements during the embryonic and early larval periods. *Physiological Zoology* 71:27-35.
- 2240 Fitzsimmons, N.N., S.W. Buskirk, and M.H. Smith. 1997. Genetic changes in reintroduced Rocky Mountain bighorn sheep populations. *Journal of Wildlife Management* 61:863-872.
- 2241 Gessaman, J.A., R.D. Nagle, and J.D. Congdon. 1998. Evaluation of the cyclopropane absorption method of measuring avian body fat. *The Auk* 115:175-187.
- 2242 Thomas, R.B., D.W. Beckman, K. Thompson, K.A. Buhlmann, J.W. Gibbons, and D.L. Moll. 1997. Estimation of age for *Trachemys scripta* and *Deirochelys reticularia* by counting annual growth layers in claws. *Copeia* pp. 842-845.

- 2243 Stephens, J.A., F.W. Whicker, and S.A. Ibrahim. 1998. Sorption of Cs and Sr to profundal sediments of a Savannah River Site reservoir. *Journal of Environmental Radioactivity* 38:293-315.
- 2244 Teppen, B.J., C.-H. Yu, D.M. Miller, and L. Schafer. 1998. Molecular dynamics simulations of sorption of organic compounds at the clay mineral / aqueous solution interface. *Journal of Computational Chemistry* 19:144-153.
- 2245 Fedynich, A.M., A.L. Bryan, Jr., and M.J. Harris. 1998. Hematozoa in the endangered wood stork from Georgia. *Journal of Wildlife Diseases* 34:165-167.
- 2246 Whiteman, H.H. 1997. Maintenance of polymorphism promoted by sex-specific fitness payoffs. *Evolution* 51:2039-2044.
- 2247 Rowe, C.L., O.M. Kinney, and J.D. Congdon. 1998. Oral deformities in tadpoles of the bullfrog (*Rana catesbeiana*) caused by conditions in a polluted habitat. *Copeia* 244-246.
- 2248 Beck, C. W. 1998. Mode fertilization and parental care in anurans. *Animal Behaviour* 55:439-449.
- 2249 Voelz, N.J., J.V. McArthur, and R.B. Rader. 1998. Upstream mobility of the Asiatic clam *corbicula fluminea*: identifying potential dispersal agents. *Journal of Freshwater Ecology* 13:39-45.
- 2250 Spitz, F., G. Valet, and I.L. Brisbin, Jr. 1998. Variation in body mass of wild boars from Southern France. *Journal of Mammalogy* 79:251-259.
- 2251 Burger, J., R.A. Kennamer, I.L. Brisbin, Jr., and M. Gochfeld. 1997. Metal Levels in mourning doves from South Carolina: potential hazards to doves and hunters. *Environmental Research* 75:173-186.
- 2252 Jagoe, C.H., R.K. Chesser, M.H. Smith, M.D. Lomakin, S.K. Lingens, and C.E. Dallas. 1997. Levels of cesium, mercury and lead in fish, and cesium in pond sediments in an inhabited region of the Ukraine near Chernobyl. *Environmental Pollution* 98:223-232.
- 2253 Dorcas, M.E. and C.R. Peterson. 1998. Daily body temperature variation in free-ranging rubber boas. *Herpetologica* 54:88-103.
- 2254 Close, L.M. and R.A. Seigel. 1997. Differences in body size among populations of red-eared sliders (*Trachemys scripta elegans*) subjected to different levels of harvesting. *Chelonian Conservation and Biology* 2:563-566.
- 2255 Gibbons, J.W. 1997. Measuring declines and natural variation in turtle populations: spatial lessons from long-term studies. p. 243-246. In International

- Conference on Conservation, Restoration, and Management of Tortoises and Turtles, edited by J.V. Abbema. New York Turtle and Tortoise Society. Purchase, NY.
- 2256 Buhlmann, K.A., J.C. Mitchell, and M.G. Rollins. 1997. New approaches for the conservation of bog turtles, *Clemmys muhlenbergii*, in Virginia. p. 359-363. In International Conference on Conservation, Restoration, and Management of Tortoises and Turtles, edited by J.V. Abbema. New York Turtle and Tortoise Society. Purchase, NY.
- 2257 Frazer, N.B. 1997. Turtle conservation and halfway technology: What is the problem? p. 422-425. In International Conference on Conservation, Restoration, and Management of Tortoises and Turtles, edited by J.V. Abbema. New York Turtle and Tortoise Society. Purchase, NY.
- 2258 Gariboldi, J., C. Jagoe, and A.L. Bryan, Jr. 1998. Dietary exposure to mercury in nestling wood storks (*Mycteria americana*) in Georgia. Archives of Environmental Contamination and Toxicology 34:398-405.
- 2259 Snodgrass, J.W. and G.K. Meffe. 1998. Influence of beavers on stream fish assemblages: effects of pond age and watershed position. Ecology 79:928-942.
- 2260 Kennamer, R.A., I.L. Brisbin, C.D. McCreedy, and J. Burger. 1998. Radiocesium in mourning doves: effects of a contaminated reservoir drawdown and risk to human consumers. Journal of Wildlife Management 62:497-508.
- 2261 Buhlmann, K.A. and J.W. Gibbons. 1997. Imperiled aquatic reptiles of the southeastern United States: historical review and current conservation status. p. 201-232. In Conference on Aquatic Fauna in Peril: The Southeastern Perspective, edited by George Benz and David Collins. Southeast Aquatic Research Institute, Lenz Design & Communications, Decatur, Ga, 554p.
- 2262 Shearer, C.R.H. and N.B. Frazer. 1997. The National Environmental Research Park: A new model for federal land use. American Bar Association's Natural Resources and The Environment 12:46-51.
- 2263 Seaman, J.C. 1998. Retardation of fluorobenzoate tracers in highly weathered soil and groundwater systems. Soil Science Society of America Journal 62:354-361.
- 2264 Dixon, P.M., A.R. Olsen, and B.M. Kahn. 1998. Measuring trends in ecological resources. Ecological Applications 8:225-227.
- 2265 Philippi, T., P.M. Dixon, and B.E. Taylor. 1998. Detecting trends in species composition. Ecological Applications 8:300-308.

- 2266 Leeper, D.A. and B.E. Taylor. 1998. Insect emergence from a South Carolina (USA) temporary wetland pond, with emphasis on the chironomidae (diptera). *Journal of the North American Benthological Society* 17:54-72.
- 2267 Plague, G., J.B. Wallace, and J.W. Grubaugh. 1998. Linkages between trophic variability and distribution of *Pteronarcys* spp. (Plecoptera: Pteronarcyidae) along a stream continuum. *American Midland Naturalist* 139:224-234.
- 2268 Ryan, T.J. and R.D. Semlitsch. 1998. Intraspecific heterochrony and life history evolution: decoupling somatic and sexual development in a facultatively paedomorphic salamander. *Proceedings of the National Academy of Sciences USA* 95:5643-5648.
- 2269 Dixon, P.M. 1998. Assessing effect and no effect with equivalence tests. p. 275-301. In Risk Assessment: Logic and Measurement, edited by M.C. Newman and C.L. Strojan. Ann Arbor Press. Chelsea, Michigan.
- 2270 Hinton, T.G. 1998. Estimating human and ecological risks from exposure to radiation. p. 143-166. In Risk Assessment: Logic and Measurement, edited by M. Newman and C. Strojan. Ann Arbor Press, Inc. Chelsea.
- 2271 Plague, G.R. and J.V. McArthur. 1998. Genetic diversity vs. geographic distribution of five congeneric caddisflies. *Hydrobiologia* 362:1-8.
- 2272 Brisbin, I.L. 1998. Comment on the proposed conservation of usage of 15 mammal specific names based on wild species, which are antedated by or contemporary with those based on domestic animals. *Bulletin of Zoological Nomenclature* 55:43-46.
- 2273 McDonald, L.M., V.P. Evangelou, and P.M. Bertsch. 1998. The potential role of sediment mineralogy in regulating aluminum concentrations in lakewater. *Water, Air and Soil Pollution* 104:41-55.
- 2274 Lovich, J.E. and J.W. Gibbons. 1997. Conservation of covert species: protecting species we don't even know. p. 426-429. In Proceedings from An International Conference on Conservation, Restoration, and Management of Tortoises and Turtles, New York Turtle and Tortoise Society.
- 2275 Newman, M.C. and R.H. Jagoe. 1998. Allozymes reflect the population-level effect of mercury: simulations of the mosquitofish (*Gambusia holbrooki* Girard) GPI-2 response. *Ecotoxicology* 7:141-150.
- 2276 Grant, J.A., M.J. Brooks, and B.E. Taylor. 1998. New constraints on the evolution of Carolina bays from ground-penetrating radar. *Geomorphology* 22:325-345.

- 2277 Raimondo, S.M., C. Rowe, and J.C. Congdon. 1998. Exposure to coal ash impacts swimming performance and predator avoidance in larval bullfrogs (*Rana catesbeiana*). *Journal of Herpetology* 32:289-292.
- 2278 Walker, D., P.E. Moler, K.A. Buhlmann, and J.C. Avise. 1998. Phylogeographic patterns in *Kinosternon subrubrum* and *K. bairii* based on mitochondrial DNA restriction analyses. *Herpetologica* 54:174-184.
- 2279 Sullivan, E.J., D.B. Hunter, and R.S. Bowman. 1998. Fourier transform raman spectroscopy of sorbed HDTMA and the mechanism of chromate sorption to surfactant-modified clinoptilolite. *Environmental Science and Technology* 32:1948-1955.
- 2280 Gibbons, J.W. 1998. Graduate education at a field research laboratory: facing the challenge. *Herpetologica* 54:S21-S30.
- 2281 McCarron, J.K., K.W. McLeod, and W.H. Conner. 1998. Flood and salinity stress of wetland woody species buttonbush (*Cephalanthus occidentalis*) and swamp tupelo (*Nyssa sylvatica* var. *biflora*). *Wetlands* 18:165-175.
- 2282 Wohl, D.L. and J V. McArthur. 1998. Actinomycete-flora associated with submersed freshwater macrophytes. *FEMS Microbiology Ecology* 26:135-140.
- 2283 Hopkins, W.A., M.T. Mendonca, C.L. Rowe, and J.D. Congdon. 1998. Elevated trace element concentrations in southern toads, *Bufo terrestris*, exposed to coal combustion waste. *Archives of Environmental Contamination and Toxicology* 35:325-329.
- 2284 Gaines, K.F., A.L. Bryan, Jr., P.M. Dixon, and M.J. Harris. 1998. Foraging habitat use by wood storks nesting in the coastal zone of Georgia, USA. *Colonial Waterbirds* 21:43-52.
- 2285 Collins, B. and G. Wein. 1998. Soil resource heterogeneity effects on early succession. *OIKOS* 82:238-245.
- 2286 Gaiser, E.E. and K.L. Lang. 1998. Distribution of Cladoceran zooplankton among prairie pothole wetlands in northwest Iowa. *Lake and Reservoir Management* 14:37-51.
- 2287 Gaiser, E.E., T.E. Philippi, and B.E. Taylor. 1998. Distribution of diatoms among intermittent ponds on the Atlantic Coastal Plain: development of a model to predict drought periodicity from surface- sediment assemblages. *Journal of Paleolimnology* 20:71-90.

- 2288 McCloskey, J.T., I.R. Schultz, and M.C. Newman. 1998. Estimating the oral bioavailability of methylmercury to channel catfish (*Ictalurus punctatus*). *Environmental Toxicology and Chemistry* 17:1524-1529.
- 2289 Klubek, B., C. Schmidt, and D.C. Adriano. 1998. Abundance of iron-oxidizing thiobachilli and biological sulfur oxidation potential from soil impacted by coal and coal refuse piles. *Water, Air, and Soil Pollution* 106:1-16.
- 2290 Nagle, R.D., V.J. Burke, and J.D. Congdon. 1998. Egg components and hatchling lipid reserves: parental investment in kinosternid turtles from the southeastern United States. *Comparative Biochemistry and Physiology Part B* 120:145-152.
- 2291 Hinton, T.G., J.A. Gessaman, R.D. Nagle, and J.D. Congdon. 1998. An evaluation of whole body potassium-40 content for estimating lean and fat mass in pigeons. *The Condor* 100:579-582.
- 2292 Jenssen, T.A., K.A. Hovde, and K.G. Taney. 1998. Size-related habitat use by non-breeding *Anolis carolinensis* lizards. *Copeia* 3:774-779.
- 2293 McArthur, J.V. 1998. Physiologic and genetic determinants of lotic bacterial distribution and abundance. *Verh. Internat. Verein. Limnol.* 26:1080-1082.
- 2294 Jagoe, C.H., B. Arnold-Hill, G.M. Yanochko, P.V. Winger, and I.L. Brisbin, Jr. 1998. Mercury in alligators (*Alligator mississippiensis*) in the southeastern United States. p. 255-262. In International Conference on Mercury as a Global Pollutant, The Science of the Total Environment. Hamburg, Germany.
- 2295 Leff, L.G., J.V. McArthur, and L.J. Shimkets. 1998. Persistence and dissemination of introduced bacteria in freshwater microcosms. *Microbial Ecology* 202-211.
- 2296 Hunter, D.B. and P.M. Bertsch. 1998. In situ examination of uranium contaminated soil particles by micro-X-ray absorption and micro-fluorescence spectroscopies. *Journal of Radioanalytical and Nuclear Chemistry* 234:237-242.
- 2297 Jagoe, C.H., C.E. Dallas, R.K. Chesser, M.H. Smith, S.K. Lingenfelser, J.T. Lingenfelser, K. Holloman, and M. Lomakin. 1998. Contamination near Chernobyl: radiocaesium, lead and mercury in fish and sediment radiocaesium from waters within the 10 km zone. *Ecotoxicology* 7:201-209.
- 2298 Chesser, R.K. 1998. Relativity of behavioral interactions in socially structured populations. *Journal of Mammalogy* 79:713-724.
- 2299 Dobson, F.S., R.K. Chesser, J.L. Hoogland, D.W. Sugg, and D.W. Foltz. 1998. Breeding groups and gene dynamics in a socially structured population of prairie dogs. *Journal of Mammalogy* 79:671-680.

- 2300 Romanek, C.S., E.C. Perry, A.H. Treiman, R.A. Socki, J.H. Jones, and E.K. Gibson, Jr. 1998. Oxygen isotopic record of silicate alteration in the Shergotty-Nakhla-Chassigny meteorite Lafayette. *Meteoritics & Planetary Science* 33:775-784.
- 2301 Burke, V.J., S.L. Rathbun, J.R. Bodie, and J.W. Gibbons. 1997. Effect of density on predation rate for turtle nests in a complex landscape. *OIKOS* 83:3-11.
- 2302 Rea, T.E., D.J. Karapatakis, K.K. Guy, J.E. Pinder, III, and H.E. Mackey, Jr.. 1997. The relative effects of water depth, fetch and other physical factors on the development of macrophytes in a small southeastern US pond. *Aquatic Botany* 61:289-299.
- 2303 Peles, J.D., K.V. Miller, and M. Smith. 1997. Multilocus heterozygosity and reproductive characteristics in male white-tailed deer. *Journal Wildlife Research* 2:149-153.
- 2304 Tataru, C.P., M.C. Newman, J.T. McCloskey, and P.L. Williams. 1998. Use of ion characteristics to predict relative toxicity of mono-, di- and trivalent metal ions: *Caenorhabditis elegans* LC50. *Aquatic Toxicology* 42:255-269.
- 2305 Adriano, D.C., A. Chlopecka, and D.I. Kaplan. 1998. Role of soil chemistry in soil remediation and ecosystem conservation. p. 361-386. In Soil Chemistry and Ecosystem Health, St. Louis, MO.
- 2306 Hinton, T.G., M.A. Malek, C. Sherony, and S.B. Clark. 1998. Operationally defined availability from sequential extractions compared to plant uptake of ¹³⁷Cs and ⁹⁰Sr. *Journal of Radioanalytical and Nuclear Chemistry* 235:185-190.
- 2307 McLeod, K.W. and T.G. Ciravolo. 1998. Boron tolerance and potential boron removal by bottomland tree seedlings. *Wetlands* 18:431-436.
- 2308 Kinard, W.F., D.B. Hunter, and S.B. Clark. 1998. Applications of laser photoacoustic spectroscopy using an optical parametric oscillator to the study of complexation equilibria in dilute aqueous solutions. *Journal of Radioanalytical and Nuclear Chemistry* 235:11-16.
- 2309 Collins, B. and G. Wein. 1998. Soil heterogeneity effects on canopy structure and composition during early succession. *Plant Ecology* 138:217-230.
- 2310 Komoroski, M. J., R. Nagle, and J. D. Congdon. 1998. Relationships of lipids to ovum size in amphibians. *Physiological Zoology* 71:633-641.
- 2311 Gist, D.H. and J.D. Congdon. 1998. Oviductal sperm storage as a reproductive tactic of turtles. *The Journal of Experimental Zoology* 282:526-534.

- 2312 Jones, R.H. and R.R. Sharitz. 1998. Survival and growth of woody plant seedlings in the understorey of floodplain forests in South Carolina. *Journal of Ecology* 86:574-587.
- 2313 Treiman, A.H. and C.S. Romanek. 1998. Bulk and stable isotopic compositions of carbonate minerals in Martian meteorite Allan Hills 84001: no proof of high formation temperature. *Meteoritics & Planetary Science* 33:737-742.
- 2314 Stockwell, C.A., M. Mulvey, and A.G. Jones. 1998. Genetic evidence for two evolutionarily significant units of white sands pupfish. *Animal Conservation* 1:213-225.
- 2315 Burger, J., R.A. Kennamer, I.L. Brisbin, Jr., and M. Gochfeld. 1998. A risk assessment for consumers of mourning doves. *Risk Analysis* 18:563-573.
- 2316 Garrett, K.A. and P.M. Dixon. 1998. When does the spatial pattern of weeds matter? Predictions from neighborhood models. *Ecological Applications* 8:1250-1259.
- 2317 Semlitsch, R.D. and J.R. Bodie. 1998. Are small, isolated wetlands expendable? *Conservation Biology* 12:1129-1133.
- 2318 Semlitsch, R.D. 1998. Biological delineation of terrestrial buffer zones for pond-breeding salamanders. *Conservation Biology* 5:1113-1119.
- 2319 Aars, J., R.A. Ims, H.P. Liu, M. Mulvey, and M.H. Smith. 1998. Bank voles in linear habitats show restricted gene flow as revealed by mitochondrial DNA (mtDNA). *Molecular Ecology* 7:1383-1389.
- 2320 Gates, W.P., A. Jaunet, D. Tessier, M.A. Cole, H.T. Wilkinson, and J.W. Stucki. 1998. Swelling and texture of iron-bearing smectites reduced by bacteria. *Clays and Clay Minerals* 46:487-497.
- 2321 Kinney, O.M., R.D. Nagle, and J.D. Congdon. 1998. Water transport by nesting painted turtles (*Chrysemys picta marginata*) in Michigan. *Chelonian Conservation and Biology* 3:71-76.
- 2322 Buhlmann, K.A. and T.D. Tuberville. 1998. Use of passive integrated transponder (PIT) tags for marking small freshwater turtles. *Chelonian Conservation and Biology* 3:102-104.
- 2323 Thomas-Keprta, K.L., D.S. McKay, S.J. Wentworth, T.O. Stevens, A.E. Taunton, C.C. Allen, A. Coleman, E.K. Gibson, Jr., and C.S. Romanek. 1998. Bacterial mineralization patterns in basaltic aquifers: implications for possible life in martian meteorite ALH84001. *Geology* 26:1031-1034.

- 2324 Chesser, R.K. 1998. Heteroplasmy and organelle gene dynamics. *Genetics* 150:1309-1327.
- 2325 Leeper, D.A. and B.E. Taylor. 1998. Abundance, biomass and production of aquatic invertebrates in Rainbow Bay, a temporary wetland in South Carolina, USA. *Arch. Hydrobiol.* 143:335-362.
- 2326 Yun, W., S.T. Pratt, R.M. Miller, Z. Cai, D.B. Hunter, A.G. Jarstfer, K.M. Kemner, B. Lai, H.R. Lee, D.B. Legnini, W. Rodrigues, and C.I. Smith. 1998. X-ray imaging and microspectroscopy of plants and fungi. *Journal of Synchrotron Radiation* 5:1390-1395.
- 2327 Conner, W.H., K.W. McLeod, and J.K. McCarron. 1997. Survival and growth of four bottomland oak species in response to increases in flooding and salinity. *Forest Science* 44:618-624.
- 2328 Duff, M.C., C.F.V. Mason, and D.B. Hunter. 1998. Comparison of acid and base leach for the removal of uranium from contaminated soil and catch-box media. *Canadian Journal of Soil Science* 78:675-683.
- 2329 Draney, M.L. 1997. *Sougambus georgiensis* Chamberlin & Ivie, a junior synonym of *Goneatara platyrhinus* (Crosby & Bishop) (Araneae, Linyphiidae, Erigoninae). *The Journal of Arachnology* 26:247-248.
- 2330 Rowe, C.L. 1998. Elevated standard metabolic rate in a freshwater shrimp (*Palaemonetes paludosus*) exposed to trace element-rich coal combustion waste. *Comparative Biochemistry and Physiology Part A* 121:299-304.
- 2331 Dorcas, M.E., J.W. Gibbons, and H.G. Dowling. 1998. *Seminatrix* Cope, black swamp snake. *Catalogue of American Amphibians and Reptiles.* 679.1-679.5.
- 2332 Zhang, C., H. Vali, C.S. Romanek, T.J. Phelps, and S.V. Liu. 1998. Formation of single-domain magnetite by a thermophilic bacterium. *American Mineralogist* 83:1409-1418.
- 2333 Sheen, J.P. and H.H. Whiteman. 1998. Head and body size relationships in polymorphic tiger salamander larvae from Colorado. *Copeia* 4:1089-1093.
- 2334 Arey, J.S., J.C. Seaman, and P.M. Bertsch. 1999. Immobilization of uranium in contaminated sediments by hydroxyapatite addition. *Environmental Science & Technology* 33:337-342.
- 2335 Stockwell, C.A. and M. Mulvey. 1998. Phosphogluconate dehydrogenase polymorphism and salinity in the white sands pupfish. *Evolution* 52:1856-1860.

- 2336 DeWoody, J.A., D.E. Fletcher, S.D. Wilkins, W.S. Nelson, and J.C. Avise. 1998. Molecular genetic dissection of spawning, parentage, and reproductive tactics in a population of redbreast sunfish *Lepomis auritus*. *Evolution* 52:1802-1810.
- 2337 Philippi, T.E. 1998. Prolonged diapause and models of species coexistence: a cautionary tale from annual plants in deserts. *Arch. Hydrobiol. Spec. Issues Advanc. Limnol.* 52:19-31.
- 2338 Williams-Howze, J., B.E. Taylor, P.M. Biesiot, and G. Seaborn. 1998. Lipid analysis of *Aglaodiaptomus stagnalis* Forbes and their desiccation resistant diapause eggs. *Arch. Hydrobiol. Spec. Issues Advanc. Limnol.* 52:493-506.
- 2339 Peterson, A.T. and I.L. Brisbin. 1999. Genetic endangerment of wild red junglefowl *Gallus gallus*? *Bird Conservation International* 9:387-394.
- 2340 Hopkins, W.A., M.T. Mendonca, and J.D. Congdon. 1999. Responsiveness of the hypothalamo-pituitary-interrenal axis in an amphibian (*Bufo terrestris*) exposed to coal combustion wastes. *Comparative Biochemistry and Physiology Part C* 122:191-196.
- 2341 Bryan, A.L., Jr. and J.C. Gariboldi. 1998. Food of nestling wood storks in coastal Georgia. *Colonial Waterbirds* 21:152-158.
- 2342 DeWoody, J.A. 1999. Nucleotide variation in the *p53* tumor-suppressor gene of voles from Chernobyl, Ukraine. *Mutation Research* 439:25-36.
- 2343 Dobson, F.S., T.S. Risch, and J.O. Murie. 1999. Increasing returns in the life history of Columbian ground squirrels. *Journal of Animal Ecology* 68:73-86.
- 2344 Distler, J.K., M.E. Dorcas, J.W. Gibbons, and K.L. Kandal. 1999. Winter mortality in the Green Anole, *Anolis carolinensis* (Lacertilia: Polychridae). *Brimleyana* 25:140-143.
- 2345 Snodgrass, J.W., J.W. Ackerman, A.L. Bryan, Jr., and J. Burger. 1999. Influence of hydroperiod, isolation, and heterospecifics on the distribution of aquatic salamanders (*Siren* and *Amphiuma*) among depression wetlands. *Copeia* 1:107-113.
- 2346 Ratnaswamy, M.J., M.H. Smith, R.J. Warren, C.L. Rogers, and K.A.K. Stromayer. 1999. Genetic effects of a population bottleneck on a restored deer herd in a National Military Park. *Natural Areas Journal* 19:41-46.
- 2347 Bowne, D.R., J.D. Peles, and G.W. Barrett. 1999. Effects of landscape spatial structure on movement patterns of the hispid cotton rat (*Sigmodon hispidus*). *Landscape Ecology* 14:53-65.

- 2348 Hunter, D.B., W.P. Gates, P.M. Bertsch, and K.M. Kemner. 1999. Degradation of tetraphenylboron at hydrated smectite surfaces studied by time resolved IR and x-ray absorption spectroscopies. p. 282-300. In Mineral-Water Interfacial Reactions, edited by D.L. Sparks and T.J. Grundl. American Chemical Society.
- 2349 Duff, M.C., D.B. Hunter, P.M. Bertsch, and C. Amrhein. 1999. Factors influencing uranium reduction and solubility in evaporation pond sediments. *Biogeochemistry* 45:95-114.
- 2350 Seaman, J.C., P.M. Bertsch, and L. Schwallie. 1999. In situ Cr (VI) reduction within coarse-textured, oxide-coated soil and aquifer systems using Fe (II) solutions. *Environmental Science & Technology* 33:938-944.
- 2351 DeWoody, J.A., R.K. Chesser, and R.J. Baker. 1999. A translocated mitochondrial cytochrome *b* pseudogene in voles (Rodentia: *Microtus*). *Journal of Molecular Evolution* 48:380-382.
- 2352 Hinton, T.G., C.M. Bell, F.W. Whicker, and T. Philippi. 1999. Temporal changes and factors influencing ¹³⁷Cs concentration in vegetation colonizing an exposed lake bed over a three-year period. *Journal of Environmental Radioactivity* 44:1-19.
- 2353 Pinder, J.E., III. and K.W. McLeod. 1999. Indications of relative drought stress in longleaf pine from thematic mapper data. *Photogrammetric Engineering and Remote Sensing* 65:495-501.
- 2354 Brisbin, I.L., Jr., C.H. Jagoe, K.F. Gaines, and J.C. Gariboldi. 1998. Environmental contaminants as concerns for the conservation biology of crocodilians. p. 155-173. In Proceedings of the 14th Working meeting of the Crocodile Specialist Group of the SSC of the IUNC - The World Conservation Union, Gland, Switzerland.
- 2355 Hinton, T.G. 1999. Risks from exposure to radiation. p. 251-278. In Fundamentals of Ecotoxicology, edited by M.C. Newman. Ann Arbor Press. Chelsea, MI.
- 2356 Moorhead, K.K. 1999. Contiguity and edge characteristics of wetlands in five coastal counties of North Carolina, USA. *Wetlands* 19:276-282.
- 2357 Bertsch, P.M. and J.C. Seaman. 1999. Characterization of complex mineral assemblages: Implications for contaminant transport and environmental remediation. *Proceedings of the National Academy of Sciences*. 96:3350-3357.
- 2358 Battaglia, L.L., R.R. Sharitz, and P.R. Minchin. 1999. Patterns of seedling and overstory composition along a gradient of hurricane disturbance in an old-growth bottomland hardwood community. *Canadian Journal of Forest*

Research 29:144-156.

- 2359 Sharitz, R.S. and D.P. Batzer. 1999. An introduction to freshwater wetlands in North America and their invertebrates. p. 1-22. In Invertebrates in Freshwater Wetlands of North America: Ecology and Management, edited by D.P. Batzer, R.B. Rader, and S.A. Wissinger. John Wiley & Sons, Inc.
- 2360 Taylor, B.E., D.A. Leeper, M.A. McClure, and A.E. DeBiase. 1999. Carolina bays: Ecology of aquatic invertebrates and perspectives on conservation. p. 167-196. In Invertebrates of Freshwater Wetlands of North America: Ecology and Management, edited by D.P. Batzer, R.B. Rader, and S.A. Wissinger. John Wiley & Sons, Inc.
- 2361 Lombi, E., W.W. Wenzel, and D.C. Adriano. 1998. Soil contamination, risk reduction and remediation. p. 183-197. In Land Contamination & Reclamation, edited by P. Birch. EPP Publications. Surrey, United Kingdom.
- 2362 Jackson, B.P., W.P. Miller, A.W. Schumann, and M.E. Sumner. 1999. Trace element solubility from land application of fly ash/organic waste mixtures. *Journal of Environmental Quality* 28:639-647.
- 2363 Whicker, F.W., T.G. Hinton, K.A. Orlandini, and S.B. Clark. 1999. Uptake of natural and anthropogenic actinides in vegetable crops grown on a contaminated lake bed. *Journal of Environmental Radioactivity* 45:1-12.
- 2364 Peters, E.L. and M.C. Newman. 1999. ¹³⁷Cs elimination by chronically-contaminated largemouth bass (*Micropterus salmoides*). *Health Physics Society* 76:260-268.
- 2365 Ford, R.G., K.M. Kemner, and P.M. Bertsch. 1999. Influence of sorbate-sorbent interactions on the crystallization kinetics of nickel- and lead-ferrihydrite coprecipitates. *Geochimica et Cosmochimica Acta* 63:39-48.
- 2366 Reid, J.W., D.L. Strayer, J.V. McArthur, S.E. Stibbe, and J.J. Lewis. 1999. Rheocyclops, a new genus of copepods from the southeastern and central U.S.A. (Copepoda: Cyclopoida: Cyclopidae). *Journal of Crustacean Biology* 19:384-396.
- 2367 Fletcher, D.E. 1999. Male ontogeny and size-related variation in mass allocation of bluenose shiners (*Pteronotropis welaka*). *Copeia* 2:479-486.
- 2368 Fletcher, D.E. and S.D. Wilkins. 1999. Glue secretion and adhesion by larvae of sailfin shiner (*Pteronotropis hypselopterus*). *Copeia* 2:274-280.
- 2369 Hopkins, W.A., S.L. Rowe, and J.D. Congdon. 1999. Elevated trace element concentrations and standard metabolic rate in banded water snakes (*Nerodia*

- fasciata*) exposed to coal combustion wastes. Environmental Toxicology and Chemistry 18:1258-1263.
- 2370 Mulvey, M., Liu, H.-P., and K.L. Kandl. 1998. Application of molecular genetic markers to conservation of freshwater bivalves. Journal of Shellfish Research 17:1395-1405.
- 2371 Peles, J.D., O.E. Rhodes, Jr., and M.H. Smith. 1999. Multilocus heterozygosity, body condition, and reproductive characteristics in male white-tailed deer fawns. The Journal of the Elisha Mitchell Scientific Society 115:91-97.
- 2372 Mohr, J.R. and M.E. Dorcas. 1999. A comparison of anuran calling patterns at two Carolina bays in South Carolina. The Journal of the Elisha Mitchell Scientific Society 115:63-70.
- 2373 Ott, J.A. and D.E. Scott. 1999. Effects of toe-clipping and PIT-tagging on growth and survival in metamorphic *Ambystoma opacum*. Journal of Herpetology 33:344-348.
- 2374 Stockwell, C.A. and S.C. Weeks. 1999. Translocations and rapid evolutionary responses in recently established populations of western mosquitofish (*Gambusia affinis*). Animal Conservation 2:103-110.
- 2375 Burger, J., J. Sanchez, J.W. Gibbons, J. Ondrroff, R. Ramos, M.J. McMahon, K.F. Gaines, C. Lord, M. Fulmer, and M. Gochfeld. 1999. Attitudes and perceptions about ecological resources and hazards of people living around the Savannah River Site. Environmental Monitoring and Assessment 57:195-211.
- 2376 Ford, R.G. and P.M. Bertsch. 1999. Distinguishing between surface and bulk dehydration-dehydroxylation reactions in synthetic goethites by high-resolution thermogravimetric analysis. Clays and Clay Minerals 47:329-337.
- 2377 Peles, J.D., F.W. Weathersbee, Jr., P.E. Johns, J. Griess, D.L. Baker, and M.H. Smith. 1999. Genetic variation in a recently isolated population of mule deer (*Odocoileus hemionus*). The Southwestern Naturalist 44:236-240.
- 2378 Duff, M.D., D.B. Hunter, I.R. Triay, P.M. Bertsch, D.T. Reed, S.R. Sutton, G. Shea-McCarthy, J. Kitten, P. Eng, S.J. Chipera, and D.T. Vaniman. 1999. Mineral associations and average oxidation states of sorbed Pu on tuff. Environmental Science & Technology 33:2163-2169.
- 2379 Bertsch, P.M. and D.B. Hunter. 1998. Elucidating fundamental mechanisms in soil and environmental chemistry: The role of advanced analytical spectroscopic, and microscopic methods. SSSA Special Publication Future Prospects for Soil Chemistry 55:103-122.

- 2380 Sever, D.M. and T.J. Ryan. 1999. Ultrastructure of the reproductive system of the black swamp snake (*Seminatrix pygaea*): Part I. Evidence for oviducal sperm storage. *Journal of Morphology* 241:1-18.
- 2381 Socki, R.A., C.S. Romanek, and E.K. Gibson, Jr. 1999. On-line technique for measuring stable oxygen and hydrogen isotopes from microliter quantities of water. *Analytical Chemistry* 71:2250-2253.
- 2382 Schultz, I.R., M.G. Barron, M.C. Newman, and A.M. Vicks. 1999. Blood flow distribution and tissue allometry in channel catfish. *Journal of Fish Biology* 54:1275-1286.
- 2383 Mayer, J.J., J.M. Novak, and I.L. Brisbin, Jr. 1998. Evaluation of molar size as a basis for distinguishing wild boar from domestic swine: Employing the present to decipher the past. *MASCA Research Papers in Science and Archaeology* 15:39-53.
- 2384 McLeod, K.W., J.K. McCarron, and W.H. Conner. 1999. Photosynthesis and water relations of four oak species: impact of flooding and salinity. *Trees* 13:178-187.
- 2385 Miller, S.P. and J.D. Bever. 1999. Distribution of arbuscular mycorrhizal fungi in stands of the wetland grass *Panicum hemitomon* along a wide hydrologic gradient. *Oecologia* 119:586-592.
- 2386 Scribner, K.T., S. Datta, J. Arnold, and J.C. Avise. 1999. Empirical evaluation of cytonuclear models incorporating genetic drift and tests for neutrality of mtDNA variants: data from experimental *Gambusia* hybrid zones. *Genetica* 105:101-108.
- 2387 Snodgrass, J.W. and G.K. Meffe. 1999. Habitat use and temporal dynamics of blackwater stream fishes in and adjacent to beaver ponds. *Copeia* 3:628-639.
- 2388 Schultz, D.L. 1999. Population structure, reproduction, and lipid cycling in the dusky shiner (*Notropis cummingsae*) in contrasting streams. *Copeia* 3:669-683.
- 2389 Duff, M.C., M. Newville, D.B. Hunter, P.M. Bertsch, S.R. Sutton, I.R. Triay, D.T. Vaniman, P. Eng, and M.L. Rivers. 1999. Micro-XAS studies with sorbed plutonium on tuff. *Journal of Synchrotron Radiation* 6:350-352.
- 2390 Draney, M.L. and D.A. Crossley, Jr. 1999. Relationship of habitat age to phenology among ground-dwelling linyphiidae (*Araneae*) in the southeastern United States. p. 211-216. In XIV International Congress of Arachnology, *The Journal of Arachnology*. Chicago, IL.
- 2391 Kennamer, R.A., I.L. Brisbin, Jr., K.F. Gaines, and W.L. Stephens, Jr. 1999. Temporal and spatial patterns of avifauna on wetlands in the vicinity of Bush

- Field Airport, Augusta, Georgia, USA. p. 269-300. In 1999 Joint Meetings of Birdstrike Committee USA/Birdstrike Committee Canada, Pacific Northwest Planners. Richmond, British Columbia. Pacific Northwest Planners, New Westminster, BC Canada.
- 2392 Boone, J.L., M.H. Smith, and J. Laerm. 1999. Allozyme variation in the cottonmouse (*Peromyscus gossypinus*). *Journal of Mammalogy* 80:833-844.
- 2393 McLeod, K.W. and T. G. Ciravolo. 1999. Species selection and seedling establishment for restoration of bottomland forests. In *First Biennial North American Forest Ecology Workshop*. 1999. Raleigh, NC.
- 2394 Glenn, T.C., W. Stephan, and M.J. Braun. 1999. Effects of a population bottleneck on whooping crane mitochondrial DNA variation. *Conservation Biology* 13:1097-1107.
- 2395 Johnson, K.P., J. Stout, I.L. Brisbin, Jr., R.M. Zink, and J. Burger. 1999. Lack of demonstrable effects of pollutants on *cyt b* sequences in wood ducks from a contaminated nuclear reactor cooling pond. *Environmental Research Section A* 81:146-150.
- 2396 Pinder, J.E., III, T.E. Rea, and D.E. Funsch. 1999. Deforestation, reforestation and forest fragmentation on the upper coastal plain of South Carolina and Georgia. *The American Midland Naturalist* 142:213-228.
- 2397 Arnold, B.S., C.H. Jagoe, and T.S. Gross. 1999. Use of implantable pellets to administer low levels of methyl mercury to fish. p. 413-422. In Environmental Toxicology and Risk Assessment: Standardization of Biomarkers for Endocrine Disruption and Environmental Assessment: Eighth Volume, ASTM STP 1364, edited by D.S. Henshel, M.C. Black, and M.C. Harrass. American Society for Testing and Materials, West Conshohocken, PA.
- 2398 Sowder, A.G., S.B. Clark, and R.A. Fjeld. 1999. The transformation of uranyl oxide hydrates: The effect of dehydration on synthetic metaschoepite and its alteration to becquerelite. *Environmental Science & Technology* 33:3552-3557.
- 2399 Plague, G.R. 1999. Evolution of net-spinning caddisflies: a hypothetical mechanism for the reproductive isolation of conspecific competitors. *Oikos* 87:204-208.
- 2400 Saunders, P.A., K.G. Porter, and B.E. Taylor. 1999. Population dynamics of *Daphnia* spp. and implications for trophic interactions in a small, monomictic lake. *Journal of Plankton Research* 21:1823-1845.

- 2401 Olson, J.J., G.L. Mills, B.E. Herbert, and P.J. Morris. 1999. Biodegradation rates of separated diesel components. *Environmental Toxicology and Chemistry* 18:2448-2453.
- 2402 Burger, J., W.L. Stephens, Jr., C.S. Boring, M. Kuklinski, J.W. Gibbons, and M. Gochfeld. 1999. Factors in exposure assessment: Ethnic and socioeconomic differences in fishing and consumption of fish caught along the Savannah River. *Risk Analysis* 19:427-438.
- 2403 Dallas, C.E., S.F. Lingenfelter, J.T. Lingenfelter, K. Holloman, C.H. Jagoe, J.A. Kind, R.K. Chesser, and M.H. Smith. 1998. Flow cytometric analysis of erythrocyte and leukocyte DNA in fish from Chernobyl-contaminated ponds in the Ukraine. *Ecotoxicology* 7:211-219.
- 2404 Wise, M.G., J V McArthur, and L.J. Shimkets. 1999. Methanotroph diversity in landfill soil: Isolation of novel Type 1 and Type II methanotrophs whose presence was suggested by culture-independent 16S ribosomal DNA analysis. *Applied and Environmental Microbiology* 65:4887-4897.
- 2405 Van Den Bussche, R.A., S.A. Harmon, R.J. Baker, A.L. Bryan, Jr., J.A. Rodgers, Jr., M.J. Harris, and I.L. Brisbin, Jr. 1999. Low levels of genetic variability in North American populations of the wood stork (*Mycteria americana*). *The Auk* 116:1083-1092.
- 2406 Tataru, C.P., M. Mulvey, and M.C. Newman. 1999. Genetic and demographic responses of mosquitofish (*Gambusia holbrooki*) populations exposed to mercury for multiple generations. *Environmental Toxicology and Chemistry* 18:2840-2845.
- 2407 McCreedy, C.D., J.P. Robinson, C.E. Dallas, and Charles H. Jagoe. 1999. Quality control in the application of flow cytometry to studies of environmentally-induced genetic damage. p. 401-412. In Environmental Toxicology and Risk Assessment: Standardization of Biomarkers for Endocrine Disruption and Environmental Assessment: Eighth Volume, ASTM STP 1364, edited by D.S. Henshel, M.C. Black, and M.C. Harrass. American Society for Testing and Materials. West Conshohocken, PA.
- 2408 Beck, C.W. and J.D. Congdon. 1998. Effects of individual variation in age and size at metamorphosis on growth and survivorship of southern toad (*Bufo terrestris*) metamorphs. *Canadian Journal of Zoology* 77:944-951.
- 2409 Knox, A.S., A.P. Gamerainger, D.C. Adriano, R.K. Kolka, and D.I. Kaplan. 1999. Sources and practices contributing to soil contamination. p. 53-87. In Bioremediation of Contaminated Soils, edited by D.C. Adriano, J.M. Bollag, W.T. Frankenberger, Jr., and R.C. Sims. 37 Vol. American Society of Agronomy, Crop Science Society of America. Madison, WI.

- 2410 Punshon, T., A.S. Knox, D.C. Adriano, J.C. Seaman, and J.T. Weber. 1999. Flue gas desulfurization (FGD) residue: Potential applications and environmental issues. p. 7-28. In Biogeochemistry of Trace Elements in Coal and Coal Combustion Byproducts, edited by Sajwan et al., Kluwer Academic/Plenum Publishers. New York.
- 2411 Mitchell, J.C. and K.A. Buhlmann. 1999. Amphibians and reptiles of the Shenandoah Valley sinkhole pond system in Virginia. *Banisteria* 13:129-142.
- 2412 Buhlmann, K.A., J.C. Mitchell, and L.R. Smith. 1999. Descriptive ecology of the Shenandoah Valley sinkhole pond system in Virginia. *Banisteria* 13:23-51.
- 2413 Seaman, J.C. 2000. Thin-foil SEM analysis of soil and groundwater colloids: reducing instrument and operator bias. *Environmental Science and Technology* 34:187-191.
- 2414 Sharitz, R.R., H.E. Shealy, Jr., and W.D. Marshall. 1998. Wetland resource evaluation in the Edisto River Basin, USA. p. 347-358. In Wetlands for the Future, INTECOL's V International Wetlands Conference, edited by A.J. McComb and J.A. Davis. Geneagles Publishing. Adelaide, Australia.
- 2415 Trust, K.A., K.T. Rummel, A.M. Scheuhammer, I.L. Brisbin, Jr., and M.J. Hooper. 2000. Contaminant exposure and biomarker responses in spectacled eiders (*Somateria fischeri*) from St. Lawrence Island, Alaska. *Archives of Environmental Contamination and Toxicology* 38:107-113.
- 2416 Burger, J. and J. W. Gibbons. 1998. Trace elements in egg contents and egg shells of slider turtles (*Trachemys scripta*) from the Savannah River Site. *Archives of Environmental Contamination and Toxicology* 34:382-386.
- 2417 Congdon, J.D. and A.E. Dunham. 1999. Defining the beginning: the importance of research design. p. 83-87. In Research and Management Techniques for the Conservation of Sea Turtles, edited by K.L. Eckert, K.A. Bjorndal, F.A. Abreu-Grobois, and M. Donnelly. 4 Vol. IUCN/SSC Marine Turtle Specialist Group.
- 2418 Allen, B.P. and R.R. Sharitz. 1999. Post-hurricane vegetation dynamics in old-growth forests of Congaree Swamp National Monument. p. 306-312. In On the Frontiers of Conservation: 10th Conference on Research and Resource Management in Parks and on Public Lands, edited by D. Harmon. The George Wright Society, Inc. Asheville, NC.
- 2419 Congdon, J.C., R.D. Nagle, A.E. Dunham, O.M. Kinney, and S.R. Yeomans. 1999. The relationship of body size to survivorship of hatchling snapping turtles (*Chelydra serpentina*): an evaluation of the "bigger is better" hypothesis. *Oecologia* 121:224-235.

- 2420 Beck, C.W. and L.A. Powell. 2000. Evolution of female mate choice based on male age: Are older males better mates? *Evolutionary Ecology Research* 2:107-118.
- 2421 Kroh, G.C., J.D. White, S.K. Heath, and J.E. Pinder, III. 1999. Colonization of a volcanic mudflow by an upper montane coniferous forest at Lassen Volcanic National Park, California. *American Midland Naturalist* 143:126-140.
- 2422 Burger, J., J. Sanchez, J.W. Gibbons, and M. Gochfeld. 1998. Gender differences in recreational use, environmental attitudes, and perceptions of future land use at the Savannah River Site. *Environment and Behavior* 30:472-486.
- 2423 Schultz, D.L. 1999. Comparison of lipid levels during spawning in annual and perennial darters of the subgenus *Boleosoma*, *Etheostoma perlongum*, and *Etheostoma olmstedi*. *Copeia* 4:906-916.
- 2424 Chesser, R.K., D.W. Sugg, M.D. Lomakin, R.A. Van Den Bussche, J.A. DeWoody, C.H. Jagoe, C.E. Dallas, F.W. Whicker, M.H. Smith, S.P. Gaschak, I.V. Chizhevsky, V.V. Lyabik, E.G. Buntova, K. Holloman, and R.J. Baker. 2000. Concentrations and dose rate estimates of ^{134,137}cesium and ⁹⁰strontium in small mammals at Chernobyl, Ukraine. *Environmental Toxicology and Chemistry* 19:305-312.
- 2425 Newman, M.C. and J.T. McCloskey. 2000. The individual tolerance concept is not the sole explanation for the probit dose-effect model. *Environmental Toxicology and Chemistry* 19:520-526.
- 2426 Gaines, K.F., C.G. Lord, C.S. Boring, I.L. Brisbin, Jr., M. Gochfeld, and J. Burger. 2000. Raccoons as a potential vectors of radionuclide contamination to human food chains from a nuclear industrial site. *Journal of Wildlife Management* 64:199-208.
- 2427 Winker, K., T.C. Glenn, and G.R. Graves. 1999. Dinucleotide microsatellite loci in a migratory wood warbler (Parulidae: *Limnothlypis swainsonii*) and amplification among other songbirds. *Molecular Ecology* 8:1553-1556.
- 2428 Miller, S.P. 2000. Arbuscular mycorrhizal colonization of semi-aquatic grasses along a wide hydrologic gradient. *The New Phytologist* 145:145-155.
- 2429 Jackson, B.P., P.J. Lasier, W.P. Miller, and P.W. Winger. 2000. Effects of calcium, magnesium and sodium on alleviating cadmium toxicity to *Hyalella azteca*. *Bulletin of Environmental Contamination and Toxicology* 64:279-286.
- 2430 Thomas, R.C., C.S. Romanek, D.P. Coughlin, and D.E. Crowe. 2000. Treatment of acid mine drainage using anaerobic constructed treatment wetlands: predicting

- longevity with substrate neutralization potential. p. 449-458. In Mining and the Environment II, edited by D. Goldsack, N. Belzile, P. Yearwood, and G. Hall. Laurentian University, Sudbury, Ontario, Canada.
- 2431 Snodgrass, J.W., C.H. Jagoe, A.L. Bryan, Jr., H.A. Brant, and J. Burger. 2000. Effects of trophic status and wetland morphology, hydroperiod, and water chemistry on mercury concentrations in fish. *Can. J. Fish Aquat. Sci.* 57:171-180.
- 2432 Hopkins, W.A., J. Congdon, and J.K. Ray. 2000. Incidence and impact of axial malformations in larval bullfrogs (*Rana catesbeiana*) developing in sites polluted by a coal-burning power plant. *Environmental Toxicology and Chemistry* 19:862-868.
- 2433 Jackson, B.P. and W.P. Miller. 2000. Soil solution chemistry of a fly ash-, poultry litter- and sewage sludge-amended soil. *Journal of Environmental Quality* 29:430-436.
- 2434 Ishak, C.F., J.C. Seaman, M.E. Sumner, and W.P. Miller. 1999. Contaminant mobility in soil columns amended with fly ash and flue gas desulfurization gypsum. p. 247-258. In Biogeochemistry of Trace Elements in Coal and Coal Combustion Byproducts, edited by K.S. Sajwan. Kluwer Academic/Plenum Publishers, New York.
- 2435 Tuberville, T.D., J.R. Bodie, J.B. Jensen, L. LaClaire, and J.W. Gibbons. 2000. Apparent decline of the southern hog-nosed snake, (*Heterodon simus*). *Journal of the Elisha Mitchell Scientific Society* 116:19-40.
- 2436 McLeod, K.W., M.R. Reed, and L.D. Wike. 2000. Elevation, competition control, and species affect bottomland forest restoration. *Wetlands* 20:162-168.
- 2437 Nagle, R.D., O.M. Kinney, J.D. Congdon, and C.W. Beck. 2000. Winter survivorship of hatchling painted turtles (*Chrysemys picta*) in Michigan. *Canadian Journal of Zoology* 78:226-233.
- 2438 Snodgrass, J.W., M.J. Komoroski, A.L. Bryan, Jr., and J. Burger. 2000. Relationships among isolated wetland size, hydroperiod, and amphibian species richness: implications for wetland regulations. *Conservation Biology* 14:414-419.
- 2439 Duff, M.C., D.E. Morris, D. Hunter, and P. Bertsch. 2000. Spectroscopic characterization of uranium in evaporation basin sediments. *Geochimica et Cosmochimica Acta* 64:1535-1550.
- 2440 Gaines, K.F., A.L. Bryan, Jr., and P.M. Dixon. 2000. The effects of drought on foraging habitat selection of breeding wood storks in coastal Georgia. *Waterbirds* 23:64-73.

- 2441 Adriano, D.C., A.C. Doswell, T.G. Ciravolo, J.E. Pinder, III., and K.W. McLeod. 2000. Radionuclide content of selected root vegetables as influenced by culinary preparation. *Journal of Environmental Radioactivity* 49:307-317.
- 2442 Lewis, G.P., B.E. Taylor, J.E. Pinder, III, and P.M. Dixon. 2000. Apparent decline of the sediment ¹³⁷Cs inventory of an abandoned reactor cooling reservoir: export or uncertainty? *Journal of Environmental Radioactivity* 49:293-306.
- 2443 Peles, J.D., O.E. Rhodes, Jr., and M.H. Smith. 2000. Spermatozoan numbers and testicular characteristics of male white-tailed deer fawns during the mating season. *Acta Theriologica* 45:95-102.
- 2444 Leiden, Y.A., M.E. Dorcas, and J.W. Gibbons. 2000. Herpetofaunal diversity in coastal plain communities of South Carolina. *The Journal of the Elisha Mitchell Scientific Society* 115:270-280.
- 2445 Bridges, A.S. and M.E. Dorcas. 2000. Temporal variation in anuran calling behavior: Implications for surveys and monitoring programs. *Copeia* 2:587-592.
- 2446 Beck, C.W. and J.D. Congdon. 2000. Effects of age and size at metamorphosis on performance and metabolic rates of Southern Toad, *Bufo terrestris*, metamorphs. *Functional Ecology* 14:32-38.
- 2447 Ryan, T.J. and R.C. Bruce. 2000. Life history evolution and adaptive radiation of hemidactyliine salamanders. p.303-326. In Biology of Plethodontid Salamanders, edited by Bruce *et al.* Kluwer Academic/Plenum Publishers, New York.
- 2448 Peles, J.D., T. Philippi, M.H. Smith, I.L. Brisbin, Jr., and J.W. Gibbons. 2000. Seasonal variation in radiocesium levels of largemouth bass (*Micropterus salmoides*): Implications for humans and sensitive wildlife species. *Environmental Toxicology and Chemistry* 19:1830-1836.
- 2449 Doelsch, E., J. Rose, A. Masion, J.Y. Bottero, D. Nahon, and P.M. Bertsch. 2000. Speciation and crystal chemistry of iron(III) chloride hydrolyzed in the presence of SiO₄ ligands. 1. An Fe K-edge EXAFS study. *Langmuir* 16:4726-4731.
- 2450 Donovan, L.A., J.B. West, and K.W. McLeod. 2000. *Quercus* species differ in water and nutrient characteristics in a resource-limited fall-line sandhill habitat. *Tree Physiology* 20:929-936.
- 2451 Schulze, D.G. and P.M. Bertsch. 1999. Overview of synchrotron X-ray sources and synchrotron X-rays. p. 2-18. In Synchrotron X-ray Methods in Clay Science, edited by D.G. Schulze, J.W. Stucki and P.M. Bertsch, The Clay Minerals Society.

- 2452 Bertsch, P.M. and D.G. Schulze. 1999. Obtaining access to synchrotron-based techniques. p. 241-244. In Synchrotron X-ray Methods in Clay Science, edited by D.G. Schulze, J.W. Stucki and P.M. Bertsch, The Clay Mineral Society.
- 2453 Ulsh, B.A., M.C. Mühlmann-Díaz, F.W. Whicker, T.G. Hinton, J.D. Congdon, and J.S. Bedford. 2000. Chromosome translocations in turtles: a biomarker in a sentinel animal for ecological dosimetry. *Radiation Research* 153:752-759.
- 2454 Abraham, J.P., F.W. Whicker, T.G. Hinton, and D.J. Rowan. 2000. Inventory and spatial pattern of ¹³⁷Cs in a pond: a comparison of two survey methods. *Journal of Environmental Radioactivity* 51:157-171.
- 2455 Hopkins, W.A., J.W. Snodgrass, J.H. Roe, B.P. Jackson, J.C. Gariboldi, and J.D. Congdon. 2000. Detrimental effects associated with trace element uptake in lake chubsuckers (*Erimyzon sucetta*) exposed to polluted sediments. *Archives of Environmental Contamination and Toxicology* 39:193-199.
- 2456 Sever, D.M., T.J. Ryan, T. Morris, D. Patton, and S. Swafford. 2000. Ultrastructure of the reproductive system of the black swamp snake (*Seminatrix pygaea*): Part II. annual oviducal cycle. *Journal of Morphology* 245:146-160.
- 2457 Conner, W.H., K.W. McLeod, L.W. Inabinette, V.H. Parrish, and M.R. Reed. 1999. Successful planting of tree seedlings in wet areas. p. 201-204. In Proceedings of the Tenth Biennial Southern Silvicultural Research, edited by J.D. Haywood. USDA Forest Service Asheville, N.C.
- 2458 Taylor, G.J., J.L. McDonald-Stephens, D.B. Hunter, P.M. Bertsch, D. Elmore, Z. Rengel, and R.J. Reid. 2000. Direct measurement of aluminum uptake and distribution in single cells of *Chara corallina*. *Plant Physiology* 123:987-996.
- 2459 Purdue, J.R., M.H. Smith, and J.C. Patton. 2000. Female philopatry and extreme spatial genetic heterogeneity in white-tailed deer. *Journal of Mammalogy* 81:179-185.
- 2460 Risch, T.S. and F.C. Rohwer. 2000. Effects of parental quality and egg size on growth and survival of herring gull chicks. *Canadian Journal of Zoology* 78:967-973.
- 2461 Bender, J., M.C. Duff, P. Phillips, and M. Hill. 2000. Bioremediation and bioreduction of dissolved U(VI) by microbial mat consortium supported on silica gel particles. *Environmental Science and Technology* 34:3235-3241.
- 2462 Gaiser, E. E. and J. Johansen. 2000. Freshwater diatoms from Carolina bays and other isolated wetlands on the Atlantic Coastal Plain of South Carolina, U.S.A., with descriptions of seven taxa new to science. *Diatom Research* 15:75-130.

- 2463 Snodgrass, J.W., A.L. Bryan, Jr., and J. Burger. 2000. Development of expectations of larval amphibian assemblage structure in Southeastern depression wetlands. *Ecological Applications* 10:1219-1229.
- 2464 Knox, A.S., J. Seaman, D.C. Adriano, and G. Pierzynski. 2000. Chemophytostabilization of metals in contaminated soils. p. 811-836. In *Bioremediation of Contaminated Soils*, edited by D.L. Wise, D.J. Trantolo, E.J. Cichon, H.I. Inyang and U. Stottmeister, Marcel Dekker, Inc. New York.
- 2465 Ryan, T.J. and W. A. Hopkins. 2000. Interaction of sex and size and the standard metabolic rate of paedomorphic *Ambystoma talpoideum*: Size does matter. *Copeia* 3:808-812.
- 2466 DeWoody, J.A., D.E. Fletcher, S.D. Wilkins, and J.C. Avise. 2000. Parentage and nest guarding in the tessellated darter (*Etheostoma olmstedi*) assayed by microsatellite markers (Perciformes: Percidae). *Copeia* 3:740-747.
- 2467 Gibbons, J. W., D.E. Scott, T.J. Ryan, K. A. Buhlmann, T.D. Tuberville, B.S. Metts, J. L. Greene, T. Mills, Y. Leiden, S. Poppy, and C. Winne. 2000. The global decline of reptiles, déjà vu amphibians. *BioScience* 50:653-666.
- 2468 Hinton, T. 2000. Strong inference, science fairs, and radioecology. *Journal of Environmental Radioactivity* 51:277-279.
- 2469 Edwards, A.L., and R.R. Sharitz. 2000. Population genetics of two rare perennials in isolated wetlands: *Sagittaria isoetiformis* and *S. teres* (Alismataceae). *American Journal of Botany* 87:1147-1158.
- 2470 Bandoni, S.M., M Mulvey, and E.S. Loker. 2000. Population structure and taxonomic discrimination among three species of *Biomphalaria* Preston, 1910 (Gastropoda: Planorbidae) from Kenya. *Zoological Journal of the Linnean Society* 129:387-401.
- 2471 Seaman, J.C. and P.M. Bertsch. 2000. Selective colloid mobilization through surface-charge manipulation. *Environmental Science & Technology* 34:3749-3755.
- 2472 Brady, M.J., T.S. Risch, F.S. Dobson. 2000. Availability of nest sites does not limit population size of southern flying squirrels. *Canadian Journal of Zoology* 78:1144-1149.
- 2473 McArthur, J. V., and R. C. Tuckfield. 2000. Spatial patterns in antibiotic resistance among stream bacteria: effects of industrial pollution. *Applied and Environmental Microbiology* 66:3722-3726.

- 2474 Fredrickson, J. K., J. M. Zachara, D. W. Kennedy, M. C. Duff, Y. A. Gorby, S. W. Li, and K. M. Krupka. 2000. Reduction of U(VI) in goethite (α -FeOOH) suspensions by a dissimilatory metal-reducing bacterium. *Geochimica et Cosmochimica Acta* 64:3085-3098.
- 2475 Hopkins, W.A. 2000. Reptile toxicology: Challenges and opportunities on the last frontier in vertebrate ecotoxicology. *Environmental Toxicology and Chemistry* 19:2391-2393.
- 2476 Knox, A. S., J. C. Seaman, M. J. Mench, and J. Vangronsveld. 2000. Remediation of metal- and radionuclides- contaminated soils by *in situ* stabilization techniques. p. 21-60. I. K. Iskandar, editor. In Environmental Restoration of Metals-Contaminated Soil. Lewis Publishers, Boca Raton, FL.
- 2477 Kreher, S. A., S. A. Foré, and B. S. Collins. 2000. Genetic variation within and among patches of the clonal species, *Vaccinium stamineum* L. *Molecular Ecology* 9:1247-1252.
- 2478 Collins, B., and G. Wein. 2000. Stem elongation response to neighbor shade in sprawling and upright *Polygonum* species. *Annals of Botany* 86:739-744.
- 2479 Fletcher, D. E., S. D. Wilkins, J V. McArthur, and G. K. Meffe. 2000. Influence of riparian alteration on canopy coverage and macrophyte abundance in southeastern USA blackwater streams. *Ecological Engineering* 15:S67-S78.
- 2480 McLeod, K. W. 2000. Species selection trials and silvicultural techniques for the restoration of bottomland hardwood forests. *Ecological Engineering* 15:S35-S46.
- 2481 Hartman, G. D., J. O. Whitaker, Jr., and J. R. Munsee. 2000. Diet of the mole *Scalopus aquaticus* from the coastal plain region of South Carolina. *American Midland Naturalist* 144:342-351.
- 2482 Jackson, B. P., and W. P. Miller. 2000. Effectiveness of phosphate and hydroxide for desorption of arsenic and selenium species from iron oxides. *Soil Science Society of America* 64:1616-1622.
- 2483 Barton, C., E. A. Nelson, R. K. Kolka, K. W. McLeod, W. H. Conner, M. Lakly, D. Martin, J. Wigginton, C. C. Trettin, and J. Wisniewski. 2000. Restoration of a severely impacted riparian wetland system - The Pen Branch Project. *Ecological Engineering* 15:S3-S15.
- 2484 Lakly, M. B., and J V. McArthur. 2000. Macroinvertebrate recovery of a post-thermal stream: habitat structure and biotic function. *Ecological Engineering* 15:S87-S100.

- 2485 DeBiase, A. E., and B. E. Taylor. 2000. A new calanoid copepod species from South Carolina, U.S.A.: *Aglaodiaptomus savagei* (Crustacea: Copepoda: Calanoida: Diaptomidae). *Proceedings of the Biological Society of Washington*.113:681-689.
- 2486 Vulava, V. M., and J. C. Seaman. 2000. Mobilization of lead from highly weathered porous material by extracting agents. *Environmental Science & Technology* 34:4828-4834.
- 2487 Voelz, N. J., and J V. McArthur. 2000. An exploration of factors influencing lotic insect species richness. *Biodiversity and Conservation* 9:1543-1570.
- 2488 Romanek, C. S., K. F. Gaines, A. L. Bryan, Jr., and I.L. Brisbin. 2001. Foraging ecology of the endangered wood stork recorded in the stable isotope signature of feathers. *Oecologia* 125:584-594.
- 2489 Bryan, A. L., Jr., M. C. Coulter, and I. L. Brisbin, Jr. 2000. Mitigation for the endangered wood stork on Savannah River Site. *Studies in Avian Biology* 21:50-56.
- 2490 Brisbin, I. L., Jr., and R. A. Kennamer. 2000. Long-term studies of radionuclide contamination of migratory waterfowl at the Savannah River Site: implications for habitat management and nuclear waste site remediation. *Studies in Avian Biology* 21:57-64.
- 2491 Kennamer, R. A., and G. R. Hepp. 2000. Integration of research with long-term monitoring: breeding wood ducks on the Savannah River Site. *Studies in Avian Biology* 21:39-49.
- 2492 Plague, G. R., and J. V. McArthur. 2000. Polymorphic larval retreats in the net-spinning caddishfly *Macrostemum carolina* (Trichoptera: Hydropsychidae): form and putative function. *Florida Entomologist* 83:497-500.
- 2493 DeWoody, J. A., D. E. Fletcher, M. Mackiewicz, S. D. Wilkins, and J. C. Avise. 2000. The genetic mating system of spotted sunfish (*Lepomis punctatus*): mate numbers and the influence of male reproductive parasites. *Molecular Ecology* 9:2119-2128.
- 2494 Sowder, A. G., S. B. Clark, and R. A. Fjeld. 2000. Dehydration of synthetic autunite hydrates. *Radiochim. Acta* 88:533-538.
- 2495 Dobson, F. S., R. K. Chesser, and B. Zinner. 2000. The evolution of infanticide: genetic benefits of extreme nepotism and spite. *Ethology Ecology & Evolution* 12:131-148.

- 2496 Dick, W. A., Y. Hao, R. C. Stehouwer, J. M. Bigham, W. E. Wolfe, D. C. Adriano, J. H. Beeghly, and R. J. Haefner. 2000. Beneficial uses of flue gas desulfurization by-products: examples and case studies of land application. p. 505-535. In Land Application of Agricultural, Industrial, and Municipal By-Products. SSSA Book Series No. 6. Soil Science Society of America, Madison, WI.
- 2497 Buhlmann, K. A., and J. C. Mitchell. 2000. Age of adult eastern tiger salamanders (*Ambystoma tigrinum tigrinum*) in a Virginia sinkhole pond complex: Implications for conservation. *The Journal of the Elisha Mitchell Scientific Society* 116:239-244.
- 2498 Medland, V. L., and B. E. Taylor. 2001. Strategies of emergence from diapause for cyclopoid copepods in a temporary pond. *Arch. Hydrobiol.* 150:329-349.
- 2499 Metts, B. S., J. D. Lanham, and K. R. Russell. 2001. Evaluation of herpetofaunal communities on upland streams and beaver-impounded streams in the upper piedmont of South Carolina. *American Midland Naturalist* 145:54-65.
- 2500 Ryan, T. J., and C. T. Winne. 2001. Effects of hydroperiod on metamorphosis in *Rana sphenocephala*. *American Midland Naturalist* 145:46-53.
- 2501 Edwards, A. L., and A. S. Weakley. 2001. Population biology and management of rare plants in depression wetlands of the southeastern coastal plain, USA. *Natural Areas Journal* 21:12-35.
- 2502 Battaglia, L. L., S. A. Fore and R. R. Sharitz. 2000. Seedling emergence, survival and size in relation to light and water availability in two bottomland hardwood species. *Journal of Ecology* 88:1041-1050.
- 2503 Collins, B., P. S. White, and D. W. Imm. 2001. Introduction to ecology and management of rare plants of the southeast. *Natural Areas Journal* 21:4-11.
- 2504 Philippi, T., B. Collins, S. Guisti, and P. M. Dixon. 2001. A multistage approach to population monitoring for rare plant populations. *Natural Areas Journal* 21:111-116.
- 2505 Imm, D. W., H. E. Shealy, Jr., K. W. McLeod, and B. Collins. 2001. Rare plants of Southeastern hardwood forests and the role of predictive modeling. *Natural Areas Journal* 21:36-49.
- 2506 Miller, S. P., and R. R. Sharitz. 2000. Manipulation of flooding and arbuscular mycorrhiza formation influences growth and nutrition of two semiaquatic grass species. *Functional Ecology* 14:738-748.

- 2507 Winne, C. T., and T. J. Ryan. 2001. Aspects of sex-specific differences in the expression of an alternative life cycle in the salamander *Ambystoma talpoideum*. *Copeia* 1:143-149.
- 2508 Koetsier, P., and J. V. McArthur. 2000. Organic matter retention by macrophyte beds in 2 southeastern USA, low-gradient, headwater streams. *Journal of the North American Benthological Society* 19:633-647.
- 2509 Peles, J. D., A. L. Bryan, Jr., C. T. Garten, Jr., D. O. Ribble, and M. H. Smith. 2000. Ecological-half life of ¹³⁷Cs in fish from a stream contaminated by nuclear reactor effluents. *Science of the Total Environment* 263:255-262.
- 2510 Hoyle, M. E., and J. W. Gibbons. 2000. Use of marked population of diamondback terrapins (*Malaclemys terrapin*) to determine impacts of recreational crab pots. *Chelonian Conservation and Biology* 3:735-737.
- 2511 Winne, C. T., T. J. Ryan, Y. Leiden, and M. E. Dorcas. 2001. Evaporative water loss in two natricine snakes, *Nerodia fasciata* and *Seminatrix pygaea*. *Journal of Herpetology* 35:129-133.
- 2512 Congdon, J. D., R. D. Nagle, O. M. Kinney, M. Osentoski, H. W. Avery, R. C. van Loben Sels, and D. W. Tinkle. 2000. Nesting ecology and embryo mortality: Implications for hatchling success and demography of Blanding's turtles (*Emydoidea blandingii*). *Chelonian Conservation and Biology* 3:569-579.
- 2513 Pappas, M. J., B. J. Brecke, and J. D. Congdon. 2000. The Blanding's turtles (*Emydoidea blandingii*) of Weaver Dunes, Minnesota. *Chelonian Conservation and Biology* 3:557-568.
- 2514 Plague, G. R., M. Mulvey, T. C. Glenn, and J. V. McArthur. 2001. Molecular genetic markers provide no evidence for reproductive isolation among retreat building phenotypes of the net-spinning caddisfly *Macrostemum carolina*. *Molecular Ecology* 10:243-248.
- 2515 Adriano, D. C., and J. T. Weber. 2001. Influence of fly ash on soil physical properties and turfgrass establishment. *Journal of Environmental Quality* 30:596-601.
- 2516 Seaman, J. C., J. S. Arey, and P. M. Bertsch. 2001. Immobilization of nickel and other metals in contaminated sediments by hydroxyapatite addition. *Journal of Environmental Quality* 30:460-469.
- 2517 Rowe, C. L., W. A. Hopkins, and V. R. Coffman. 2001. Failed recruitment of southern toads (*Bufo terrestris*) in a trace element-contaminated breeding habitat: direct and indirect effects that may lead to a local population sink. *Archives of Environmental Contamination and Toxicology* 40:399-405.

- 2518 Seigel, R. A., and N. B. Ford. 2001. Phenotypic plasticity in reproductive traits: geographical variation in plasticity in a viviparous snake. *Functional Ecology* 15:36-42.
- 2519 Tatara, C. P., M. C. Newman, and M. Mulvey. 2001. Effect of mercury and *Gpi-2* genotype on standard metabolic rate of eastern mosquitofish (*Gambusia holbrooki*). *Environmental Toxicology and Chemistry* 20:782-786.
- 2520 Pechmann, J. H. K., R. A. Estes, D. E. Scott, and J. W. Gibbons. 2001. Amphibian colonization and use of ponds created for trial mitigation of wetland loss. *Wetlands* 21:93-111.
- 2521 Wise, M. G., J. V. McArthur, and L. J. Shimkets. 2001. *Methylosarcina fibrata* gen. nov., sp. nov., and *Methylosarcina quisquiliarum* sp. nov., novel type I methanotrophs. *International Journal of Systematic and Evolutionary Microbiology* 51:611-621.
- 2522 Burger, J., C. Carruth-Hinchey, J. Ondroff, M. McMahon, J. W. Gibbons, and M. Gochfeld. 1998. Effects of lead on behavior, growth, and survival of hatchling slider turtles. *Journal of Toxicology and Environmental Health* 55:495-502.
- 2523 Hinton, T. G., and J. E. Pinder, III. 2001. A review of plutonium releases from the Savannah River Site, subsequent behavior within terrestrial and aquatic environments and the resulting dose to humans. p. 413-435. In Proceedings of the Second International Symposium Plutonium in the Environment, edited by A. Kudo. Elsevier, Kyoto University, Osaka, Japan.
- 2524 Smith, M. H., J. M. Novak, J.D. Peles, and J. R. Purdue. 2001. Genetic heterogeneity of white-tailed deer: management lessons from a long-term study. *Mammalian Biology* 66:1-12.
- 2525 DeWoody, J. A., D. E. Fletcher, S. D. Wilkins, and J. C. Avise. 2001. Genetic documentation of filial cannibalism in nature. *Proceeding of the National Academy of Sciences* 98:5090-5092.
- 2526 Nagle, R. D., C. L. Rowe, and J. D. Congdon. 2001. Accumulation and selective maternal transfer of contaminants in the turtle *Trachemys scripta* associated with coal ash deposition. *Archives of Environmental Contamination and Toxicology* 40:531-536.
- 2527 Burke, V. J., J. E. Lovich, and J. W. Gibbons. 2000. Conservation of freshwater turtles. p.156-179. In Turtle Conservation, edited by M. Klemens. Smithsonian Institution Press. Washington, DC.

- 2528 Nzengung, V. A., R. M. Castillo, W. P. Gates, and G. L. Mills. 2001. Abiotic transformation of perchloroethylene in homogeneous dithionite solution and in suspensions of dithionite-treated clay minerals. *Environmental Science & Technology* 35:2244-2251.
- 2529 Punshon, T., D. C. Adriano, and J. T. Weber. 2001. Effect of flue gas desulfurization residue on plant establishment and soil and leachate quality. *Journal of Environmental Quality* 30:1071-1080.
- 2530 Davis, L. M., T. C. Glenn, R. M. Elsey, H. C. Dessauer, and R. H. Sawyer. 2001. Multiple paternity and mating patterns in the American alligator, *Alligator mississippiensis*. *Molecular Ecology* 10:1011-1024.
- 2531 Kind, J. A., R. N. Winn, M. E. T. I. Boerrigter, C. H. Jagoe, T. C. Glenn, and C. E. Dallas. 2001. Investigation of the radioadaptive response in brain and liver of pUR288 *lacZ* transgenic mice. *Journal of Toxicology and Environmental Health* 63:207-220.
- 2532 Congdon, J. D., R. D. Nagle, O. M. Kinney, and R. C. van Loben Sels. 2001. Hypotheses of aging in a long-lived vertebrate, Blanding's turtle (*Emydoidea blandingii*). *Experimental Gerontology* 36:813-827.
- 2533 Albers, P. H., D. J. Hoffman, and I. L. Brisbin, Jr. 2001. Unusual leg malformations in screech owls from a South Carolina superfund site. *Journal of Toxicology and Environmental Health Part A*. 63:89-99.
- 2534 Bertsch, P. B., and D. B. Hunter. 2001. Applications of synchrotron-based x-ray microprobes. *Chemical Reviews* 101:1809-1842.
- 2535 DeWoody, J. A., D. E. Fletcher, S. D. Wilkins, W. S. Nelson, and J. C. Avise. 2000. Genetic monogamy and biparental care in an externally fertilizing fish, the largemouth bass (*Micropterus salmoides*). *Proceedings of the Royal Society of London B* 267:2431-2437.
- 2536 Jin, V. L., L. T. West, B. L. Haines, and C. J. Peterson. 2000. P Retention in tropical pre-montane soils across forest-pasture interfaces. *Soil Science* 165:881-889.
- 2537 Checa, A. G., and A. Rodríguez-Navarro. 2001. Geometrical and crystallographic constraints determine the self-organization of shell microstructures in Unionidae (Bivalvia, Mollusca). *Proceeding R. Soc. London B* 268:771-778.
- 2538 Hinton, T. G., K. A., D. Kaplan, and S. Serkiz. 2001. An in situ method of remediating ¹³⁷Cs-contaminated wetlands using naturally occurring minerals. *Journal of Radioanalytical and Nuclear Chemistry* 249:197-202.

- 2539 Gariboldi, J. C., A. L. Bryan, Jr., and C. H. Jagoe. 2001. Annual and regional variation in mercury concentrations in wood stork nestlings. *Environmental Toxicology & Chemistry* 20:1551-1556.
- 2540 Bryan, A. L., Jr., J. W. Snodgrass, J. R. Robinette, J. L. Daly, and I. L. Brisbin, Jr. 2001. Nocturnal activities of post-breeding wood storks. *The Auk* 118:508-513.
- 2541 Brown, M. C. L., S. Guttman, and T. C. Glenn. 2001. Development and use of microsatellite DNA loci for genetic ecotoxicological studies of the fathead minnow (*Pimephales promelas*). *Ecotoxicology* 10:233-238.
- 2542 Buhlmann, K. A., and G. Coffman. 2001. Fire ant predation of turtle nests and implications for the strategy of delayed emergence. *The Journal of the Elisha Mitchell Scientific Society* 117:94-100.
- 2543 Jenssen, T. A., M. B. Lovern, and J. D. Congdon. 2001. Field-testing the protandry-based mating system for the lizard, *Anolis carolinensis*: does the model organism have the right model? *Behavioral Ecology & Sociobiology* 50:162-172.
- 2544 Collins, B. S., and L. L. Battaglia. 2001. Hydrology effects on propagule bank expression and vegetation in six Carolina bays. *Community Ecology* 2:21-33.
- 2545 Rowe, C. L., W. A. Hopkins, C. Zehnder, and J. D. Congdon. 2001. Metabolic costs incurred by crayfish (*Procambarus acutus*) in a trace element-polluted habitat: further evidence of similar responses among diverse taxonomic groups. *Comparative Biochemistry and Physiology Part C* 129:275-283.
- 2546 Dietz, S. E., D. P. Batzer, B. E. Taylor, and A. E. DeBiase. 2001. Invertebrate communities of twenty ditched Carolina bay wetlands scheduled for restoration. p. 321-324. In Proceedings of the 2001 Georgia Water Resources Conference, edited by K. J. Hatcher, Institute of Ecology, The University of Georgia, Athens, GA.
- 2547 Seaman, J. C., T. Meehan, and P. M. Bertsch. 2001. Immobilization of cesium-137 and uranium in contaminated sediments using soil amendments. *Journal of Environmental Quality* 30:1206-1213.
- 2548 Metts, B. 2001. *Ambystoma maculatum* (spotted salamander). Reproduction. *Herpetological Review* 32:98-99.
- 2549 Congdon, J. D., A. E. Dunham, W. A. Hopkins, C. L. Rowe, and T. G. Hinton. 2001. Resource allocation-based life histories: A conceptual basis for studies of ecological toxicology. *Environmental Toxicology and Chemistry* 20:1698-1703.

- 2550 Bryan, A. L., Jr., C. H. Jagoe, H. A. Brant, J. C. Gariboldi, and G. R. Masson. 2001. Mercury concentrations in post-fledging wood storks. *Waterbirds* 24:277-281.
- 2551 Doelsch, E., A. Masion, J. Rose, W. E. E. Stone, J. Y. Bottero, and P. M. Bertsch. 2001. Crystal chemistry of colloids obtained by hydrolysis of Fe(III) in the presence of SiO₄ ligands. *Materials Research Society* 658:GG3.36.1-GG3.36.5.
- 2552 Masion, A., E. Doelsch, J. Rose, S. Moustier, J. Y. Bottero, and P. M. Bertsch. 2001. Speciation and crystal chemistry of iron(III) chloride hydrolyzed in the presence of SiO₄ ligands. 3. Semilocal scale structure of the aggregates. *Langmuir* 17:4753-4757.
- 2553 Burger, J., K. F. Gaines, and M. Gochfeld. 2001. Ethnic differences in risk from mercury among Savannah River fishermen. *Risk Analysis* 21:533-544.
- 2554 Chesser, R. K., B. E. Rodgers, J. K. Wickliffe, S. Gaschak, I. Chizhevsky, C. J. Phillips, and R. J. Baker. 2001. Accumulation of ¹³⁷cesium and ⁹⁰strontium from abiotic and biotic sources in rodents at Chernobyl, Ukraine. *Environmental Toxicology and Chemistry* 20:1927-1935.
- 2555 Rose, J., I. Moulin, J. L. Hazemann, A. Masion, P. M. Bertsch, J. Y. Bottero, F. Mosnier, and C. Haehnel. 2000. X-ray absorption spectroscopy study of immobilization processes for heavy metals in calcium silicate hydrates: 1. Case of lead. *Langmuir* 16:9900-9906.
- 2556 Rose, J., I. Moulin, A. Masion, P. M. Bertsch, M. R. Wiesner, J. Y. Bottero, F. Mosnier, and C. Haehnel. 2001. X-ray absorption spectroscopy study of immobilization processes for heavy metals in calcium silicate hydrates. 2. Zinc. *Langmuir* 17:3658-3665.
- 2557 Lee, J. R., and M. S. Mills. 2000. Design and construction of an outdoor enclosure for the study of snake thermal ecology. *Herpetological Review* 31:24-26.
- 2558 Kandl, K. L., H. P. Liu, R. S. Butler, W. R. Hoeh, and M. Mulvey. 2001. A genetic approach to resolving taxonomic ambiguity among *Pleurobema* (Bivalvia: unionidae) of the eastern Gulf Coast. *Malacologia* 43:87-101.
- 2559 Hopkins, W. A., J. H. Roe, J. W. Snodgrass, B. P. Jackson, D. E. Kling, C. L. Rowe, and J. D. Congdon. 2001. Nondestructive indices of trace element exposure in squamate reptiles. *Environmental Pollution* 115:1-7.
- 2560 Komoroski, M. J., and J. D. Congdon. 2001. Scaling of nonpolar lipids with ovum size in the mole salamander, *Ambystoma talpoideum*. *Journal of Herpetology* 35:517-521.

- 2561 Ulsh, B. A., J. D. Congdon, T. G. Hinton, F. W. Whicker, and J. S. Bedford. 2001. Culture methods for turtle lymphocytes. *Methods in Cell Science* 22:285-297.
- 2562 Burger, J., K. F. Gaines, J. D. Peles, W. L. Stephens, Jr., C. S. Boring, I. L. Brisbin, Jr., J. Snodgrass, A. L. Bryan, Jr., M. H. Smith, and M. Gochfeld. 2001. Radiocesium in fish from the Savannah River and Steel Creek: Potential food chain exposure to the public. *Risk Analysis* 21:545-559.
- 2563 Mills, G. L., J. Vaun McArthur, C. Wolfe, J. M. Aho, and R. B. Rader. 2001. Changes in fatty acid and hydrocarbon composition of leaves during decomposition in a southeastern blackwater stream. *Arch. Hydrobiol.* 152:315-328.
- 2564 McLeod, K. W., M. R. Reed, and E. A. Nelson. 2001. Influence of a willow canopy on tree seedling establishment for wetland restoration. *Wetlands* 21:395-402.
- 2565 Komoroski, M. J. 2001. Incidental cache use by the brown thrasher, with notes on secondary cache use by additional avian species. *The Chat* 65:68-70.
- 2566 Jiménez-López, C., E. Caballero, F. J. Huertas, and C. S. Romanek. 2001. Chemical, mineralogical and isotope behavior, and phase transformation during the precipitation of calcium carbonate minerals from intermediate ionic solution at 25°C. *Geochimica et Cosmochimica Acta* 65:3219-3231.
- 2567 Kandl, K. L. 2001. Effects of inbreeding and salinity stress on population dynamics of eastern mosquitofish. *Transactions of the American Fisheries Society* 130:1224-1232.
- 2568 Brooks, M. J., B. E. Taylor, P. A. Stone, and L. R. Gardner. 2001. Pleistocene encroachment of the Wateree River sand sheet into Big Bay on the Middle Coastal Plain of South Carolina. *Southeastern Geology* 40:241-257.
- 2569 Rowe, C. L., W. A. Hopkins, and J. D. Congdon. 2001. Integrating individual-based indices of contaminant effects: How multiple sublethal effects may ultimately reduce amphibian recruitment from a contaminated breeding site. *The Scientific World* 1:703-712.
- 2570 Ryan, T. J., and G. Swenson. 2001. Does sex influence postreproductive metamorphosis in *Ambystoma talpoideum*? *Journal of Herpetology* 35:697-700.
- 2571 Jackson, B. P., and P. M. Bertsch. 2001. Determination of arsenic speciation in poultry wastes by IC-ICP-MS. *Environmental Science & Technology* 35:4868-4873.

- 2572 Collins, B., G. Wein, and T. Philippi. 2001. Effects of disturbance intensity and frequency on early old-field succession. *Journal of Vegetation Science* 12:721-728.
- 2573 Buhlmann, K.A. 2001. A biological inventory of eight caves in northwestern Georgia with conservation implications. *Journal of Cave and Karst Studies* 63:91-98.
- 2574 Davis, L.M., T.C. Glenn, R.M. Elsey, I.L. Brisbin, Jr., W.E. Rhodes, H.C. Dessauer, and R.H. Sawyer. 2000. Genetic structure of six populations of American alligators: a microsatellite analysis. p. 38-50. In Crocodilian Biology and Evolution, edited by G.C. Grigg, F. Seebacher, and C.E. Franklin. Surrey Beatty & Sons, New South Wales, 2170 Australia.
- 2575 Malek, M. A., T. G. Hinton, and S.B. Webb. 2002. A comparison of ⁹⁰Sr and ¹³⁷Cs uptake in plants via three pathways at two Chernobyl-contaminated sites. *Journal of Environmental Radioactivity* 58:129-141.
- 2576 Kennamer, R. A. 2001. Relating climatological patterns to wetland conditions and wood duck production in the southeastern Atlantic coastal plain. *Wildlife Society Bulletin* 29:1193-1205.
- 2577 Gaiser, E. E., B. E. Taylor and M. J. Brooks 2001. Establishment of wetlands on the southeastern Atlantic Coastal Plain: paleolimnological evidence of a mid-holocene hydrologic threshold from a South Carolina pond. *Journal of Paleolimnology* 26:373-391.
- 2578 Vulava, V. M., E. B. Perry, C. S. Romanek and J. C. Seaman 2002. Dissolved gases as partitioning tracers for determination of hydrogeological parameters. *Environmental Science Technology* 36:254-262.
- 2579 Gibbons, J. W. and K. A. Buhlmann. 2001. Reptiles and amphibians. In Wildlife of Southern Forests: Habitat and Management. p. 372-390. edited by J. G. Dickson. Hancock House Publishers, Surrey, British Columbia and Blaine, WA.
- 2580 Collins, B. S. and L. L. Battaglia. 2002. Microenvironmental heterogeneity and *Quercus michauxii* regeneration in experimental gaps. *Forest Ecology and Management* 155:279-290.
- 2581 Peles, J. D., M. H. Smith and I. L. Brisbin, Jr. 2002. Ecological half-life of ¹³⁷Cs in plants associated with a contaminated stream. *Journal of Environmental Radioactivity* 59:169-178.
- 2582 Duff, M. C., M. Newville, D. B. Hunter, S. R. Sutton, I. R. Triay, D. T. Vaniman, P. M. Bertsch, P. Eng and M. L. Rivers. 2001. Heterogeneous plutonium sorption

- on Yucca mountain tuff. p. 18-21. In APS Forefront, edited by G. K. Shenoy. Argonne National Laboratory, Argonne, IL.
- 2583 Gibbons, J. W. and M. E. Dorcas. 2002. Defensive behavior of cottonmouths (*Agkistrodon piscivorus*) toward humans. *Copeia* 4:195-198.
- 2584 Wohl, D. L. and J. V. McArthur. 2001. Aquatic actinomycete-fungal interactions and their effects on organic matter decomposition: A microcosm study. *Microbial Ecology* 42:446-457.
- 2585 Tucker, A. D., J. W. Gibbons, and J. L. Greene. 2001. Estimates of adult survival and migration for diamondback terrapins: conservation insight from local extirpation within a metapopulation. *Canadian Journal of Zoology* 79:2199-2209.
- 2586 Ishak, C. F., J. C. Seaman, W. P. Miller and M. Sumner. 2002. Contaminant mobility in soils amended with fly ash and flue-gas gypsum: intact soil cores and repacked columns. p. 287-305. In Water, Air, & Soil Pollution, edited by J. Trevors and B. McCormac, Kluwer Academic Publishers. The Netherlands.
- 2587 Buhlmann, K. A. and J. W. Gibbons. 2001. Terrestrial habitat use by aquatic turtles from a seasonally fluctuating wetland: implications for wetland conservation boundaries. *Chelonian Conservation and Biology* 4:115-127.
- 2588 Andrus, C. F. T., D. E. Crowe, D. H. Sandweiss, E. J. Reitz and C. S. Romanek. 2002. Otolith $\delta^{18}\text{O}$ record of mid-holocene sea surface temperatures in Peru. *Science* 295:1508-1511.
- 2589 Hopkins, W. A., J. W. Snodgrass, J. H. Roe, B. P. Staub, B. P. Jackson and J. D. Congdon. 2001. Effects of food ration on survival and sublethal responses of lake chubsuckers (*Erimyzon sucetta*) exposed to coal combustion wastes. *Aquatic Toxicology* 57:191-202.
- 2590 Conner, W. H., I. Mihalia and J. Wolfe. 2002. Tree community structure and changes from 1987 to 1999 in three Louisiana and three South Carolina forested wetlands. *Wetlands* 22:58-70.
- 2591 Oli, M. K., G. R. Hepp and R. A. Kennamer. 2002. Fitness consequences of delayed maturity in female wood ducks. *Evolutionary Ecology Research* 4:563-576.
- 2592 Schnurr, J. L., R. S. Ostfeld and C. D. Canham. 2002. Direct and indirect effects of masting on rodent populations and tree seed survival. *OIKOS* 96:402-410.
- 2593 Tidd, S. T., J. E. Pinder III., and G. W. Ferguson. 2001. Deforestation and habitat loss for the malagasy flat-tailed tortoise from 1963 through 1993. *Chelonian Conservation and Biology* 4:59-65.

- 2594 Gibbons, J. W., J. E. Lovich, A. D. Tucker, N. N. FitzSimmons and J. L. Greene. 2001. Demographic and ecological factors affecting conservation and management of the diamondback terrapin (*Malaclemys terrapin*) in South Carolina. *Chelonian Conservation and Biology* 4:66-74.
- 2595 Tuberville, T. D. and M. E. Dorcas. 2001. Winter survey of a gopher tortoise population in South Carolina. *Chelonian Conservation and Biology* 4:182-186.
- 2596 Conner, W. H., K. W. McLeod and E. Colodney. 2002. Restoration methods for deepwater swamps. p. 38-42. In Proceedings of a conference on sustainability of wetlands and water resources: how well can riverine wetlands continue to support society into the 21st century? edited by M. Holland, M. Warren, and J. Stanturf, Gen. Tech. Rep. SRS-50. Asheville, NC: U.S. Department of Agriculture, Forest Service, Southern Research Station. 191 p.
- 2597 Oleksyk, T. K., S.P. Gashchak, T. C. Glenn, C. H. Jagoe, J. D. Peles, J. R. Purdue, O. V. Tsyusko, O. O. Zalisky and M. H. Smith. 2002. Frequency distributions of ¹³⁷Cs in fish and mammal populations. *Journal of Environmental Radioactivity*. 61:55-74.
- 2598 Glenn, T. C., J. E. Thompson, B. M. Ballard, J. A. Roberson and J. O. French. 2000. Mitochondrial DNA variation among wintering midcontinent gulf coast sandhill cranes. *Journal of Wildlife Management* 66:339-348.
- 2599 Hopkins, W. A., J. H. Roe, J. W. Snodgrass, B. P. Staub, B. P. Jackson and J. D. Congdon. 2002. Effects of chronic dietary exposure to trace elements on banded water snakes (*Nerodia fasciata*). *Environmental Toxicology and Chemistry* 21:906-913.
- 2600 Sever, D. M., R. A. Stevens, T. J. Ryan and W. C. Hamlett. 2002. Ultrastructure of the reproductive system of the black swamp snake (*Seminatrix pygaea*). III. Sexual segment of the male kidney. *Journal of Morphology* 252:238-254.
- 2601 Burger, J., C. G. Lord, E. J. Yurkow and L. McGrath., K.F. Gaines, I.L. Brisbin, Jr., and M. Gochfeld. 2000. Metals and metallothionein in the liver of raccoons: utility for environmental assessment and monitoring. *Journal of Toxicology and Environmental Health Part A*, 60:243-261.
- 2602 Penick, D. N., J. Congdon, J. R. Spotila and J. B. Williams. 2002. Microclimates and energetics of free-living box turtles, *Terrapene carolina*, in South Carolina. *Physiological and Biochemical Zoology* 75:57-65.
- 2603 Minahan, K., G. L. Mills, S. Hayden and J. W. Gibbons. 2002. An assessment of hydrocarbon contamination derived from roofing material coverboards. *Herpetological Review* 33:36-38.

- 2604 Jones, K. L., T. C. Glenn, R. C. Lacy, J. R. Pierce, N. Unruh, C. M. Mirande and F. Chavez-Ramirez. 2002. Refining the whooping crane studbook by incorporating microsatellite DNA and leg-banding analyses. *Conservation Biology* 16:789-799.
- 2605 Guerin, M. and J. Seaman. 2002. Accounting for diffuse layer ions in triple-layer models. *Journal of Colloid and Interface Science* 250:492-495.
- 2606 Burger, J., K. F. Gaines, C. S. Boring, W. L. Stephens, J. Snodgrass, C. Dixon, M. McMahon, S. Shukla, T. Shukla and M. Gochfeld. 2002. Metal levels in fish from the Savannah River: potential hazards to fish and other receptors. *Environmental Research Section A*. 89:85-97.
- 2607 Dixon, P. M. 2002. Nearest-neighbor contingency table analysis of spatial segregation for several species. *Ecoscience* 9:142-151.
- 2608 Harper, S. J., J. D. Westervelt and A. Shapiro. 2002. Modeling the movements of cowbirds: application towards management at the landscape scale. *Natural Resource Modeling* 15:111-131.
- 2609 Perry, J. N. and P. M. Dixon. 2002. A new method to measure spatial association for ecological count data. *Ecoscience* 9:133-141.
- 2610 Adriano, D. C., J. Weber, N. S. Bolan, S. Paramasivam, B. Koo and K. S. Sajwan. 2002. Effects of high rates of coal fly ash on soil, turfgrass, and groundwater quality. *Water, Air, and Soil Pollution* 139:365-385.
- 2611 Boone, M. D., D. E. Scott and P. H. Niewiarowski. 2002. Effects of hatching time for larval ambystomatid salamanders. *Copeia* 2:511-517.
- 2612 Prince, K. L., T. C. Glenn and M. J. Dewey. 2002. Cross-species amplification among peromyscines of new microsatellite DNA loci from the oldfield mouse (*Peromyscus polionotus subgriseus*). *Molecular Ecology Notes* 2:133-136.
- 2613 Dion, H. M., L. K. Ackerman and H. H. Hill, Jr. 2002. Detection of inorganic ions from water by electrospray ionization-ion mobility spectrometry. *Talanta* 57:1161-1171.
- 2614 Chang, A. C., A. L. Page and Bon-Jun Koo. 2002. Biogeochemistry of phosphorus, iron, and trace elements in soils as influenced by soil-plant-microbial interactions. p. 43-57. In Soil Mineral-Organic Matter-Microorganism Interactions and Ecosystem Health, edited by A. Violante, P. M. Huang, J.-M. Bollag, and L. Gianfreda. *Developments in Soil Science*, Vol. 28B, Elsevier, New York, NY.

- 2615 Ryan, T. J., T. Philippi, Y. A. Leiden, M. E. Dorcas, T. B. Wigley and J. W. Gibbons. 2002. Monitoring herpetofauna in a managed forest landscape: effects of habitat types and census techniques. *Forest Ecology and Management* 167:83-90.
- 2616 Gaines, K. F., C. S. Romanek, C. S. Boring, C. G. Lord, M. Gochfeld and J. Burger. 2002. Using raccoons as an indicator species for metal accumulation across trophic levels: A stable isotope approach. *Journal of Wildlife Management* 66:811-821.
- 2617 DeVault, T. L. and O. E. Rhodes, Jr. 2002. Identification of vertebrate scavengers of small mammal carcasses in a forested landscape. *Acta Theriologica* 47:185-192.
- 2618 Adriano, D.C., N.S. Bolan, Bon-Jun Koo, R. Naidu, D. van der Lelie, J. Vangronsveld, and W.W. Wenzel. 2002. Natural remediation processes - bioavailability interactions in contaminated soils. p. 501-1 ~ 501-12. Symposium No. 42 of The Seventeenth Congress of International Union of Soil Science. Bangkok, Thailand. 14-21 Aug. 2002.
- 2619 Plague, G. R. and J. H. Larson. 2002. Analysis of an apparent genetic cline in the stonefly *Pteronarcys scotti* (Plecoptera: Pteronarcyidae). *Journal of Entomological Science* 37:278-280.
- 2620 Lord, C. G., K. F. Gaines, C. S. Boring, I. L. Brisbin, Jr., M. Gochfeld and J. Burger. 2002. Raccoon (*Procyon lotor*) as a bioindicator of mercury contamination at the U.S. Department of Energy's Savannah River Site. *Archives of Environmental Contamination and Toxicology* 43:356-363.
- 2621 Tatara, C. P., M. Mulvey and M. C. Newman. 2002. Genetic and demographic responses of mercury-exposed mosquitofish (*Gambusia Holbrooki*) populations: Temporal stability and reproductive components of fitness. *Environmental Toxicology and Chemistry* 21:2191-2197.
- 2622 Geebelen, W., J. Vangronsveld, D. C. Adriano, R. Carleer and H. Clijsters. 2002. Amendment-induced immobilization of lead in a lead-spiked soil: evidence from phytotoxicity studies. *Water, Air, and Soil Pollution* 140:261-277.
- 2623 Brant, H. A., C. H. Jagoe, J. W. Snodgrass, A. L. Bryan, Jr. and J. C. Gariboldi. 2002. Potential risk to wood storks (*Mycteria americana*) from mercury in Carolina Bay fish. *Environmental Pollution* 120:405-413.
- 2624 Punshon, T., D. C. Adriano and J. T. Weber. 2002. Restoration of drastically eroded land using coal fly ash and poultry biosolid. *The Science of the Total Environment* 296:209-225.

- 2625 DeVault, T. L. and A. R. Krochmal. 2002. Scavenging by snakes: An examination of the literature. *Herpetologica* 58:429-436.
- 2626 Duff, M. C., J. U. Coughlin and D. B. Hunter. 2002. Uranium co-precipitation with iron oxide minerals. *Geochimica et Cosmochimica Acta* 66:3533-3547.
- 2627 Brisbin, I. L., Jr., M. H. Smith and J. D. Peles. 2002. Contributions of radioecology to the development of some modern concepts of ecotoxicology: from ecological half-life to monitored natural attenuation. *Radioprotection-Colloques* 37:C1-179-C1-183.
- 2628 Geebelen, W., J. Vangronsveld, D. C. Adriano, L. C. Van Poucke and H. Clijsters. 2002. Effects of Pb-EDTA and EDTA on oxidative stress reactions and mineral uptake in *Phaseolus vulgaris*. *Physiologia Plantarum* 115:377-384.
- 2629 Dilustro, J. J., F. P. Day, B. G. Drake and C. R. Hinkle. 2002. Abundance, production and mortality of fine roots under elevated atmospheric CO₂ in an oak-scrub ecosystem. *Environmental and Experimental Botany* 48:149-159.
- 2630 Rodríguez-Navarro, A. B. and C. S. Romanek. 2002. Mineral fabrics analysis using a low-cost universal stage for X-ray diffractometry. *Eur. J. Mineral* 14:987-992.
- 2631 Brisbin, I. L., Jr., A. T. Peterson, R. Okimoto and G. Amato. 2002. Characterization of the genetic status of populations of red junglefowl. *Journal Bombay Natural History Society* 99:217-223.
- 2632 Dessauer, H. C., T. C. Glenn and L. D. Densmore. 2002. Studies on the molecular evolution of the crocodylia: footprints in the sands of time. *Journal of Experimental Zoology/Molecular Development & Evolution* 294:302-311.
- 2633 Glenn, T. C., J. L. Staton, A. T. Vu, L. M. Davis, J. R. A. Bremer, W. E. Rhodes, I. L. Brisbin, Jr. and R. H. Sawyer. 2002. Low mitochondrial DNA variation among American alligators and a novel non-coding region in crocodylians. *Journal of Experimental Zoology/Molecular Development & Evolution* 294:312-324.
- 2634 Davis, L. M., T. C. Glenn, D. C. Strickland, L. J. Guillette, Jr., R. M. Elsey, W. E. Rhodes, H. C. Dessauer and R. H. Sawyer. 2002. Microsatellite DNA analyses support an East-West phylogeographic split of American alligator populations. *Journal of Experimental Zoology/Molecular Development & Evolution* 294:352-372.
- 2635 Rodriguez-Navarro, A. B., K. F. Gaines, C. S. Romanek and G. R. Masson. 2002. Mineralization of clapper rail eggshell from a contaminated salt marsh system. *Archives of Environmental Contamination and Toxicology* 43:449-460.

- 2636 Rowe, C. L., W. A. Hopkins and J. D. Congdon. 2002. Ecotoxicological implications of aquatic disposal of coal combustion residues in the United States: A review. *Environmental Monitoring and Assessment* 80:207-276.
- 2637 White, D. L. and K. F. Gaines. 2002. The Savannah River Site: Site description, land use and management history. *Studies in Avian Biology* 21:8-17.
- 2638 Bryan, A. L., Jr., K. F. Gaines and C. S. Eldridge. 2002. Coastal habitat use by wood storks during the non-breeding season. *Waterbirds* 25:429-435.
- 2639 Krizek, B. A., V. Prost, R. M. Joshi, T. Stoming and T. C. Glenn. 2003. Developing transgenic *Arabidopsis* plants to be metal-specific bioindicators. *Environmental Toxicology and Chemistry* 22:175-181.
- 2640 Jagoe, C. H., A. L. Bryan, Jr., H. A. Brant and T. M. Murphy and I.L. Brisbin, Jr. 2002. Mercury in bald eagle nestlings from South Carolina, USA. *Journal of Wildlife Diseases* 38:706-712.
- 2641 Congdon, J. D., R. D. Nagle, M. F. Osentoski, O. M. Kinney and R. C. van Lobel Sels. 2003. Life history and demographic aspects of aging in the long-lived turtle (*Emydoidea blandingii*). p. 15-31. In Brain and Longevity. edited by Finch, et al. Springer-Verlag Berlin Heidelberg.
- 2642 Reed, R. N., R. Shine and S. Shetty. 2002. Sea kraits (Squamata: *Laticauda* spp.) as a useful bioassay for assessing local diversity of eels (Muraenidae, Congridae) in the western Pacific Ocean. *Copeia* 4:1098-1101.
- 2643 Dietz-Brantley, S. E., B. E. Taylor, D. P. Batzer and A. E. DeBiase. 2002. Invertebrates that aestivate in dry basins of Carolina Bay Wetlands. *Wetlands* 22:767-775.
- 2644 Reed, R. N. 2003. Interspecific patterns of species richness, geographic range size, and body size among New World venomous snakes. *Ecography* 26:107-117.
- 2645 Bolan, N. S., D. C. Adriano, S. Mani and A. Khan. 2003. Adsorption, complexation, and phytoavailability of copper as influenced by organic manure. *Environmental Toxicology & Chemistry* 22:450-456.
- 2646 Seaman, J. C., J. Hutchison, B. P. Jackson and V. M. Vulava. 2002. In situ treatment of metals in contaminated soils with phytate. *Journal of Environmental Quality* 32:153-161.
- 2647 Bolan, N. S., D. C. Adriano, R. Natesan and Bon-Jun Koo. 2003. Effects of organic amendments on the reduction and phytoavailability of chromate in mineral soil. *Journal of Environmental Quality* 32:120-128.

- 2648 Rotstein, D. S., T. R. Schoeb, L. M. Davis, T. C. Glenn, B. S. Arnold and T. S. Gross. 2002. Detection by microsatellite analysis of early embryonic mortality in an alligator population in Florida. *Journal of Wildlife Diseases* 38:160-165.
- 2649 Sawyer, R. H., B. A. Salvatore, T. F. Potylicki, J. O. French, T. C. Glenn and L. W. Knapp. 2003. Origin of feathers: Feather beta (β) keratins are expressed in discrete epidermal cell populations of embryonic scutate scales. *Journal of Experimental Zoology* 295B:12-24.
- 2650 Dilustro, J. J., B. S. Collins, L. K. Duncan and R. R. Sharitz. 2002. Soil texture, land use intensity, and vegetation of Fort Benning upland forest sites. *Journal of the Torrey Botanical Society* 129:289-297.
- 2651 Edwards, A. L. and R. R. Sharitz. 2003. Clonal diversity in two rare perennial plants: *Sagittaria isoetiformis* and *Sagittaria teres* (Alismataceae). *International Journal of Plant Sciences* 164:181-188.
- 2652 Mabry, K. E. and G. W. Barrett. 2002. Effects of corridors on home range sizes and interpatch movements of three small mammal species. *Landscape Ecology* 17:629-636.
- 2653 Hopkins, W. A., C. P. Tatara, H. A. Brant and C. H. Jagoe. 2003. Relationships between mercury body concentrations, standard metabolic rate, and body mass in eastern mosquitofish (*Gambusia Holbrooki*) from three experimental populations. *Environmental Toxicology and Chemistry* 22:586-590.
- 2654 Geebelen, W., D. C. Adriano, D. van der Lelie, M. Mench, R. Carleer, H. Clijsters and J. Vangronsveld. 2003. Selected bioavailability assays to test the efficacy of amendment-induced immobilization of lead in soils. *Plant and Soil* 249:217-228.
- 2655 Bolan, N. S., D. C. Adriano and R. Naidu. 2003. Role of phosphorus in (Im)mobilization and bioavailability of heavy metals in the soil-plant system. *Rev Environmental Contamination Toxicology* 177:1-44.
- 2656 Punshon, T., K. F. Gaines and R. A. Jenkins, Jr. 2003. Bioavailability and trophic transfer of sediment-bound Ni and U in a southeastern wetland system. *Archives of Environmental Contamination and Toxicology* 44:30-35.
- 2657 Kolka, R. K., C. C. Trettin, E. A. Nelson, C. D. Barton and D. E. Fletcher. 2003. Application of the EPA wetland research program approach to a floodplain wetland restoration assessment. *Journal of Environmental Monitoring & Restoration* 1:37-51.

- 2658 Mabry, K. E., E. A. Dreelin and G. W. Barrett. 2003. Influence of landscape elements on population densities and habitat use of three small-mammal species. *Journal of Mammalogy* 84:20-25.
- 2659 Jackson, B. P., P. M. Bertsch, M. L. Cabrera, J. J. Camberato, J. C. Seaman and C. W. Wood. 2003. Trace element speciation in poultry litter. *Journal of Environmental Quality* 32:535-540.
- 2660 Krenz, J. D. and P. A. Verrell. 2002. Integrity in the midst of sympatry: does sexual incompatibility facilitate the coexistence of metamorphic and paedomorphic mole salamanders (*Ambystoma talpoideum*)? *The Zoological Society of London* 258:435-440.
- 2661 Seaman, J. C., M. Guerin, B. P. Jackson, P. M. Bertsch and J. F. Ranville. 2003. Analytical techniques for characterizing complex mineral assemblages: mobile soil and groundwater colloids. p. 271-309. In Geochemical and Hydrological Reactivity of Heavy Metals in Soils. edited by H. M. Selim and W. L. Kingery. Lewis Publishers, Boca Raton, FL.
- 2662 Sutton, S. R., P. M. Bertsch, M. Newville, M. Rivers, A. Lanzirrotti and P. Eng. 2003. Microfluorescence and microtomography analyses of heterogeneous earth and environmental materials. p. 429-483. In Applications of Synchrotron Radiation in Low-Temperature Geochemistry and Environmental Science. edited by P. A. Fenter, M. L. Rivers, N. C. Sturchio and S. R. Sutton. Mineralogical Society of America.
- 2663 Plague, G. R. and J. V. McArthur. 2003. Phenotypic plasticity of larval retreat design in a net-spinning caddisfish. *Behavioral Ecology* 14:221-226.
- 2664 Orlandini, K. A., J. W. Bowling, J. E. Pinder, III. and W. R. Penrose. 2003. ^{90}Y — ^{90}Sr disequilibrium in surface waters: investigating short-term particle dynamics by using a novel isotope pair. *Earth and Planetary Science Letters* 207:141-150.
- 2665 Bolan, N. S., D. C. Adriano and D. Curtin. 2003. Soil acidification and liming interactions with nutrient and heavy metal transformation and bioavailability. p. 215-272. In *Advances in Agronomy*, edited by D.S. Sparks. Academic Press.
- 2666 Ganser, L. R., W. A. Hopkins, L. O'Neil, S. Hasse, J. H. Roe and D. M. Sever. 2003. Liver histopathology of the southern watersnake, *Nerodia fasciata fasciata*, following chronic exposure to trace element-contaminated prey from a coal ash disposal site. *Journal of Herpetology* 37:219-226.
- 2667 Knox, A. S., D. I. Kaplan, D. C. Adriano, T. G. Hinton and M. D. Wilson. 2003. Apatite and phillipsite as sequestering agents for metals and radionuclides. *Journal of Environmental Quality* 32:515-525.

- 2668 Gaines, K. F., J. C. Cumbee, Jr. and W. L. Stephens, Jr. 2003. Nest characteristics of the clapper rail in coastal Georgia. *Journal of Field Ornithology* 74:152-156.
- 2669 Schable, N. A., R. U. Fischer and T. C. Glenn. 2002. Tetranucleotide microsatellite DNA loci from the dollar sunfish (*Lepomis marginatus*). *Molecular Ecology Notes* 2:509-511.
- 2670 Punshon, T., K. F. Gaines, P. M. Bertsch and J. Burger. 2003. Bioavailability of uranium and nickel to vegetation in a contaminated riparian ecosystem. *Environmental Toxicology and Chemistry* 22:1146-1154.
- 2671 Mills, G. L., J. V. McArthur and C. P. Wolfe. 2003. Lipid composition of suspended particulate matter (SPM) in a southeastern blackwater stream. *Water Research* 37:1783-1793.
- 2672 Bolan, N. S., D. C. Adriano, P. Duraisamy, A. Mani and K. Arulmozhiselvan. 2003. Immobilization and phytoavailability of cadmium in variable charge soils. I. Effect of phosphate addition. *Plant and Soil* 250:83-94.
- 2673 Sowder, A. G., P. M. Bertsch and P. J. Morris. 2003. Partitioning and availability of uranium and nickel in contaminated riparian sediments. *Journal of Environmental Quality* 32:885-898.
- 2674 Koo, Bon-Jun, D. Y. Chung and J. E. Yang. 2002. Distribution patterns of native sulfate displaced by respective pore volumes of oxalic acid in Cecil Bt soil. *Korean Journal of Environmental Agriculture* 21:291-296.
- 2675 Punshon, T., P. M. Bertsch, A. Lanzirrotti, K. W. McLeod and J. Burger. 2003. Geochemical signature of contaminated sediment remobilization revealed by spatially resolved X-ray microanalysis of annual rings of *Salix nigra*. *Environmental Science & Technology* 37:1766-1774.
- 2676 Romanek, C. S., C. L. Zhang, Y. Li, J. Horita, H. Vali, D. R. Cole and T. J. Phelps. 2003. Carbon and hydrogen isotope fractionations associated with dissimilatory iron-reducing bacteria. *Chemical Geology (Isotope Geoscience)* 195:5-16.
- 2677 Lyons, T. W., C. L. Zhang and C. S. Romanek. 2003. Isotopic records of microbially mediated processes. *Chemical Geology (Isotope Geoscience)* 195:1-4.
- 2678 Zhang, C. L., Y. Li, Q. Ye, J. Fong, A. D. Peacock, E. Blunt, J. Fang, D. R. Lovley and D. C. White. 2003. Carbon isotope signatures of fatty acids in *Geobacter metallireducens* and *Shewanella algae*. *Chemical Geology (Isotope Geoscience)* 195:17-28.

- 2679 Doelsch, E., A. Masion, J. Rose, W. E. E. Stone, J. Y. Bottero and P. M. Bertsch. 2003. Chemistry and structure of colloids obtained by hydrolysis of Fe(III) in the presence of SiO₄ ligands. *Colloids and Surfaces A: Physicochem. Eng. Aspects* 217:121-128.
- 2680 Bolan, N. S., D. C. Adriano, P. A. Mani and A. Duraisamy. 2003. Immobilization and phytoavailability of cadmium in variable charge soils. II. Effect of lime addition. *Plant and Soil* 251:187-198.
- 2681 Nagle, R. D., M. V. Plummer, J. D. Congdon and R. U. Fischer. 2003. Parental investment, embryo growth, and hatchling lipid reserves in softshell turtles (*Apalone mutica*) from Arkansas. *Herpetologica* 59:145-154.
- 2682 Hinton, T. G. and F. W. Whicker. 2002. Environmental radiation effects: a need to question old paradigms and to enhance collaboration between radiation biologists and radiation ecologists. p. 1-7. In Biological Effects of Low Dose Radiation: Molecular Mechanisms for Radiation-induced Cellular Response and Cancer Development, edited by K. Tanaka, et al., October 9-11. Bunka-Kouryu Plaza, Rokkasho, Aomori, Institute for Environmental Sciences, Japan.
- 2683 Jackson, B. P., W. A. Hopkins and J. Baionno. 2003. Laser ablation-ICP-MS analysis of dissected tissue: a conservation-minded approach to assessing contaminant exposure. *Environmental Science & Technology* 37:2511-2515.
- 2684 Snodgrass, J. W., W. A. Hopkins and J. H. Roe. 2003. Relationships among developmental stage, metamorphic, timing, and concentrations of elements in bullfrogs (*Rana catesbeiana*). *Environmental Toxicology and Chemistry* 22:1597-1604.
- 2685 DeVault, T. L., O. E. Rhodes, Jr. and J. A. Shivik. 2003. Scavenging by vertebrates: behavioral, ecological, and evolutionary perspectives on an important energy transfer pathway in terrestrial ecosystems. *Oikos* 102:225-234.
- 2686 Bolan, N. S., M. A. Khan, J. Donaldson, D. C. Adriano and C. Matthew. 2003. Distribution and bioavailability of copper in farm effluent. *The Science of the Total Environment* 309:225-236.
- 2687 Gibbons, J. W. 2003. Societal values and attitudes: history and sociological impact on amphibian conservation problems. p. 214-227. In Amphibian Conservation, edited by R. D. Semlitsch. Smithsonian Institution Press.
- 2688 DeBiase, A. E. and B. E. Taylor. 2003. New reports of fairy shrimps (crustacea: anostraca) and clam shrimps (crustacea: laevicaudata and spinicaudata) from South Carolina. *Southeastern Naturalist* 2:207-216.

- 2689 Hopkins, W. A., J. W. Snodgrass, B. P. Staub, B. P. Jackson and J. D. Congdon. 2003. Altered swimming performance of a benthic fish (*Erimyzon sucetta*) exposed to contaminated sediments. *Archives of Environmental Contamination and Toxicology* 44:383-389.
- 2690 Hauswaldt, J. S. and T. C. Glenn. 2003. Microsatellite DNA loci from the diamondback terrapin (*Malaclemys terrapin*). *Molecular Ecology Notes* 3:174-176.
- 2691 Kumar, K. S., W. W. Bowerman, T. L. DeVault, T. Takasuga, O. E. Rhodes, Jr., I. L. Brisbin, Jr. and S. Masunaga. 2003. Chlorinated hydrocarbon contaminants in blood of black and turkey vultures from Savannah River Site, South Carolina, USA. *Chemosphere* 53:173-182.
- 2692 DeVault, T. L., W. L. Stephens, B. D. Reinhart, O. E. Rhodes, Jr. and I. L. Brisbin, Jr. 2003. Aerial telemetry accuracy in a forested landscape. *Journal of Raptor Research* 37:147-151.
- 2693 Jackson, B. P., P. L. Shaw Allen, W. A. Hopkins and P. M. Bertsch. 2002. Trace element speciation in largemouth bass (*Micropterus salmoides*) from a fly ash settling basin by liquid chromatography-ICP-MS. *Analytical Bioanalytical Chemistry* 374:203-211.
- 2694 Congdon, J. D., R. D. Nagle, O. M. Kinney, R. C. van Loben Sels, T. Quinter and D. W. Tinkle. 2003. Testing hypotheses of aging in long-lived painted turtles (*Chrysemys picta*). *Experimental Gerontology* 38:765-772.
- 2695 Dorcas, M. E., S. M. Poppy, C. H. Ernst and J. W. Gibbons. 2003. *Regina alleni* (Striped crayfish snake). *Catalogue of American Amphibians and Reptiles* 778:1-778.4.
- 2696 Shaw-Allen, P., M. Elliott and C. H. Jagoe. 2003. A microscaled mercury saturation assay for metallothionein in fish. *Environmental Toxicology and Chemistry* 22:2005-2012.
- 2697 Bryan, A. L., Jr., W. A. Hopkins, J. A. Baionno and B. P. Jackson. 2003. Maternal transfer of contaminants to eggs in common grackles (*Quiscalus quiscula*) nesting on coal fly ash basins. *Archives of Environmental Contamination and Toxicology* 45:273-277.
- 2698 Weston, J. L. and I. L. Brisbin, Jr. 2003. Demographics of a protected population of gray foxes (*Urocyon cinereoargenteus*) in South Carolina. *Journal of Mammalogy* 84:996-1005.
- 2699 Seaman, J. C., S. A. Aburime, J. M. Hutchison and J. H. Singer. 2003. Evaluating vadose transport processes using centrifugation methods. p. 233-242. In

- Proceedings of the 2002 National Conference on Environmental Science and Technology, edited by G. Uzochukwu, K. Schimmel, G. Reddy, S. Chang and V. Kabadi. September 8-10, Greensboro, NC. Battelle Press.
- 2700 Howe, J. A., R. H. Loeppert, V. J. Derose, D. B. Hunter and P. M. Bertsch. 2003. Localization and speciation of chromium in subterranean clover using XRF, XANES, and EPR spectroscopy. *Environmental Science & Technology* 37:4091-4097.
- 2701 Ulsh, B., T. G. Hinton, J. D. Congdon, L. C. Dugan, F. W. Whicker and J. S. Bedford. 2003. Environmental biodosimetry: a biologically relevant tool for ecological risk assessment and biomonitoring. *Journal of Environmental Radioactivity* 66:121-139.
- 2702 Aburime, S. A., J. C. Seaman, J. H. Singer and T. S. Steenhuis. 2003. Reliability of contaminant transport modeling on vadose zone sampling methods in structured soils. p. 137-151. In Proceedings of the 2002 National Conference on Environmental Science and Technology, edited by Uzochukwu, K. Schimmel, G. Reddy, S. Chang and V. Kabadi. September 8-10, 2002, Greensboro, NC. Battelle Press.
- 2703 Collins, B. 2003. Ground layer competition and herbivory effects on cherrybark oak (*Quercus pagoda* Raf.) regeneration in experimental canopy gaps. *Journal of the Torrey Botanical Society* 130:147-157.
- 2704 Sharitz, R. R. 2003. Carolina Bay wetlands: Unique habitats of the southeastern United States. *Wetlands* 23:550-562.
- 2705 Gibbons, J. W. 2003. Terrestrial habitat: A vital component for herpetofauna of isolated wetlands. *Wetlands* 23:630-635.
- 2706 Wilson, M. D. and T. G. Hinton. 2003. Comparative bias associated with various estimates of dose to maximally exposed individuals. *Health Physics* 85:585-593.
- 2707 Beck, C. W. and J. D. Congdon. 2003. Energetics of metamorphic climax in the southern toad (*Bufo terrestris*). *Oecologia* 137:344-351.
- 2708 Smith, M. H., T. K. Oleksyk and O. Tsyusko-Omeltchenko. 2003. Effect of trophic level on the radiocesium frequency distribution in aquatic and terrestrial ecosystems at Chernobyl and nuclear sites in the United States. p. 37-48. In Proceeding of the International Symposium: Transfer of radionuclides in biosphere - Prediction and Assessment, edited by H. Amano and S. Uchida, Japan Atomic Energy Research Institute Conference 2003-010.

- 2709 Hutchison, J. M., J. C. Seaman, S. A. Aburime and D. E. Radcliffe. 2003. Chromate transport and retention in variably saturated soil columns. *Vadose Zone Journal* 2:702-714.
- 2710 Tomasulo-Seccomandi, A. M., N. A. Schable, A. L. Bryan, Jr., I. L. Brisbin, Jr., S. N. Del Lama and T. C. Glenn. 2003. Development of microsatellite DNA loci from the wood stork (*Aves*, Ciconiidae, *Mycteria americana*). *Molecular Ecology Notes* 3:563-566.
- 2711 Croshaw, D. A. and T. C. Glenn. 2003. Seven polymorphic microsatellite DNA loci from the red-spotted newt (*Notophthalmus viridescens*). *Molecular Ecology Notes* 3:514-516.
- 2712 Croshaw, D. A. and T. C. Glenn. 2003. Polymorphic tetranucleotide microsatellite DNA loci from the southern dusky salamander (*Desmognathus auriculatus*). *Molecular Ecology Notes* 3:623-625.
- 2713 McLeod, K. W. and T. G. Ciravolo. 2003. Sensitivity of water tupelo (*Nyssa aquatica*) and bald cypress (*Taxodium distichum*) seedlings to manganese enrichment under water-saturated conditions. *Environmental Toxicology and Chemistry* 22:2948-2951.
- 2714 Neal, A. L., K. M. Rosso, G. G. Geesey, Y. A. Gorby and B. J. Little. 2003. Surface structure effects on direct reduction of iron oxides by *Shewanella oneidensis*. *Geochimica et Cosmochimica Acta* 67:4489-4503.
- 2715 Bolan, N. S., D. C. Adriano, P. Duraisamy and A. Mani. 2003. Immobilization and phytoavailability of cadmium in variable charge soils. III. Effect of biosolid compost addition. *Plant and Soil* 256:231-241.
- 2716 Litzgus, J. D. and W. A. Hopkins. 2003. Effect of temperature on metabolic rate of the mud turtle (*Kinosternon subrubrum*). *Journal of Thermal Biology* 28:595-600.
- 2717 Gibbons, J. W. 2003. A Changing Balance: An Ecological Perspective on the Loss of Biodiversity. p. 29-54. In Loss of Biodiversity: Exploring Environmental Challenges - A Multidisciplinary Approach, edited by S. L. Spray and K. L. McGlothlin. Rowman & Littlefield Publishers, Inc.
- 2718 Staton, J. L., B. E. Taylor, N. V. Schizas, R. Wetzer, T. C. Glenn and B. C. Coull. 2003. Mitochondrial gene diversity of *Skistodiaptomus mississippiensis* in impoundments of the upper coastal plain near Aiken, South Carolina, USA. *Arch. Hydrobiol* 158:215-231.
- 2719 DeVault, T. L., O. E. Rhodes, Jr. and L. M. Smith. 2003. Condition indices for wintering American wigeon. *Wildlife Society Bulletin* 31:1132-1137.

- 2720 Punshon, T., B. P. Jackson, P. M. Bertsch and J. Burger. 2004. Mass loading of nickel and uranium on plant surfaces: application of laser ablation-ICP-MS. *Journal of Environmental Monitoring* 6:153-159.
- 2721 Hopkins, W. A., J. H. Roe, T. Philippi and J. D. Congdon. 2004. Standard and digestive metabolism in the banded water snake, *Nerodia fasciata fasciata*. *Comparative Biochemistry and Physiology Part A* 137:141-149.
- 2722 Dorcas, M. E., W. A. Hopkins and J. H. Roe. 2004. Effects of body mass and temperature on standard metabolic rate in the eastern diamondback rattlesnake (*Crotalus adamanteus*). *Copeia* 1:145-151.
- 2723 Fletcher, D. E., E. E. Dakin, B. A. Porter and J. C. Avise. 2004. Spawning behavior and genetic parentage in the pirate perch (*Aphredoderus sayanus*), a fish with an enigmatic reproductive morphology. *Copeia* 1:1-10.
- 2724 Staub, B. P., W. A. Hopkins, J. Novak and J. D. Congdon. 2004. Respiratory and reproductive characteristics of eastern mosquitofish (*Gambusia holbrooki*) inhabiting a coal ash settling basin. *Archives of Environmental Contamination and Toxicology* 46:96-101.
- 2725 Tsyusko-Omel'tchenko, O. V., N. A. Schable, M. H. Smith and T. C. Glenn. 2003. Microsatellite loci isolated from narrow-leaved cattail *Typha angustifolia*. *Molecular Ecology Notes* 3:535-538.
- 2726 Wilson, M. D., D. M. Rocke, B. Durbin and H. D. Kahn. 2004. Detection limits and goodness-of-fit measures for the two-component model of chemical analytical error. *Analytica Chimica Acta* 509:197-208.
- 2727 Rocke, D. M., B. Durbin, M. D. Wilson and H. D. Kahn. 2003. Modeling uncertainty in the measurement of low-level analytes in environmental analysis. *Ecotoxicology and Environmental Safety* 56:78-92.
- 2728 Whicker, F. W., T. G. Hinton, M. M. MacDonell, J. E. Pinder, III. and L. J. Habegger. 2004. Avoiding destructive remediation at DOE sites. *Science* 303:1615-1616.
- 2729 Sauras-Yera, T., J. Tent, Y. Ivanov, T. G. Hinton, G. Rauret and R. Vallejo. 2003. Reduction of crop contamination by soil resuspension within the 30-km zone of the Chernobyl nuclear power plant. *Environmental Science & Technology* 37:4592-4596.
- 2730 Oleksyk, T. K., J. M. Novak, J. R. Purdue, S. P. Gashchak and M. H. Smith. 2004. High levels of fluctuating asymmetry in populations of *Apodemus flavicollis* from

- the most contaminated areas in Chernobyl. *Journal of Environmental Radioactivity* 73:1-20
- 2731 Snodgrass, J. W., W. A. Hopkins, J. Broughton, D. Gwinn, J. A. Baionno and J. Burger. 2004. Species-specific responses of developing anurans to coal combustion wastes. *Aquatic Toxicology* 66:171-182.
- 2732 McLeod, K. W. and M. K. Burke. 2004. Photosynthetic potential of laurel oak seedlings following canopy manipulation. p. 513-519. In Proceedings of the 12th Biennial Southern Silvicultural Research Conference, edited by K.F. Connor, February 24-28, 2003, Biloxi, Mississippi, USDA Forest Service.
- 2733 Guerin, M., J. C. Seaman, C. Lehmann and A. Jurgenson. 2004. Acoustic and electroacoustic characterization of variable-charge mineral suspensions. *Clays and Clay Minerals* 52:158-170.
- 2734 Guerin, M. and J. C. Seaman. 2004. Characterizing clay mineral suspensions using acoustic and electroacoustic spectroscopy - A review. *Clays and Clay Minerals* 52:145-157.
- 2735 Coleman, M. D., D. R. Coyle, J. Blake, K. Britton, M. Buford, R. G. Campbell, J. Cox, B. Cregg, D. Daniels, M. Jacobson, K. Johnsen, T. McDonald, K. McLeod, E. Nelson, D. Robison, R. Rummer, F. Sanchez, J. Stanturf, B. Stokes, C. Trettin, J. Tuskan, L. Wright and S. Wullschleger. 2004. Production of short-rotation woody crops grown with a range of nutrient and water availability: establishment report and first-year responses. Gen. Tech. Rep. SRS-72. Ashville, NC, U.S. Department of Agriculture, Forest Service, Southern Research Station. 21 p.
- 2736 Gaiser, E. E., M. J. Brooks, W. F. Kenney, C. L. Schelske and B. E. Taylor. 2004. Interpreting the hydrological history of a temporary pond from chemical and microscopic characterization of siliceous microfossils. *Journal of Paleolimnology* 31:63-76.
- 2737 Willson, J. D. and M. E. Dorcas. 2004. Aspects of the ecology of small fossorial snakes in the western piedmont of North Carolina. *Southeastern Naturalist* 3:1-12.
- 2738 Gibbons, J. W. and K. M. Andrews. 2004. PIT tagging: Simple technology at its best. *BioScience* 54:447-454.
- 2739 DeVault, T. L., I. L. Brisbin, Jr. and O. E. Rhodes, Jr. 2004. Factors influencing the acquisition of rodent carrion by vertebrate scavengers and decomposers. *Canadian Journal of Zoology* 82:502-509.
- 2740 Jimenez-Lopez, C. and C. S. Romanek. 2004. Precipitation kinetics and carbon isotope partitioning of inorganic siderite at 25⁰C and 1 atm. *Geochimica et Cosmochimica Acta* 68:557-571.

- 2741 Thomas-Keprta, K. L., S. J. Clemett, D. A. Bazylinski, J. L. Kirschvink, D. S. McKay, S. J. Wentworth, H. Vali, E. K. Gibson, Jr. and C. S. Romanek. 2002. Magnetofossils from ancient Mars: a robust biosignature in the Martian meteorite ALH84001. *Applied and Environmental Microbiology* 68:3663-3672.
- 2742 Socki, R. A., E. C. Perry, Jr. and C. S. Romanek. 2002. Stable isotope systematics of two cenotes from the northern Yucatan Peninsula, Mexico. *Limnology Oceanography* 47:1808-1818.
- 2743 Clemett, S. J., K. L. Thomas-Keprta, J. Shimmin, M. Morphet, J. R. McIntosh, D. A. Bazylinski, J. L. Kirschvink, S. J. Wentworth, D. S. McKay, H. Vali, E. K. Gibson, Jr. and C. S. Romanek. 2002. Crystal morphology of MV-1 magnetite. *American Mineralogist* 87:1727-1730.
- 2744 Andrus, C. F. T., D. E. Crowe, D. H. Sandweiss, E. J. Reitz and C. S. Romanek. 2003. Response to comment on "Otolith $\delta^{18}\text{O}$ record of mid-holocene sea surface temperatures in Peru". *Science* 299:203b.
- 2745 Zhang, C. L., S. Brooks, P. M. Jardine and H. Vali. 2002. Factors affecting microbial uranium reduction: Implications for bioremediation. p. 99-109. In Proceedings of the 2002 National Conference on Environmental Science and Technology, edited by G.A. Uzochukwu, K. Schimmel, G.B. Reddy, S. Chang, V. Kabadi, September 8-10, 2002. Greensboro, NC.
- 2746 Zhang, C. L., R. D. Pancost, R. Sassen, Y. Qian and S. A. Macko. 2003. Archaeal lipid biomarkers and isotopic evidence of anaerobic methane oxidation associated with gas hydrates in the Gulf of Mexico. *Organic Geochemistry* 34:827-836.
- 2747 Wenzel, W. W., A. Brandstetter, H. Wutte, E. Lombi, T. Prohaska, G. Stinger and D. C. Adriano. 2002. Arsenic in field-collected soil solutions and extracts of contaminated soils and its implication to soil standards. *Journal of Nutrition Soil Science* 165:221-228.
- 2748 Sajwan, K. S., S. Paramasivam, A. K. Alva, D. C. Adriano and P. S. Hooda. 2003. Assessing the feasibility of land application of fly ash, sewage sludge and their mixtures. *Advances in Environmental Research* 8:77-91.
- 2749 Bolan, N. S., C. Mowatt, D. C. Adriano and J. D. Blennerhassett. 2003. Removal of ammonium ions from fellmongery effluent by zeolite. *Communications in Soil Science and Plant Analysis* 34:1861-1872.
- 2750 Danker, R. M., D. C. Adriano, Bon-Jun Koo, C. D. Barton and T. Punshon. 2003. Soil amendments promote vegetation establishment and control acidity in coal combustion waste. p. 319-333. In Chemistry of Trace Elements in Fly Ash, edited

- by K. S. Sajwan, A. K. Alva and R. F. Keefer. Kluwer Academic/Plenum Publishers.
- 2751 Punshon, T., J. C. Seaman and D. C. Adriano. 2003. The effect of flue gas desulfurization residue on corn (*Zea mays* L.) growth and leachate salinity: multiple season data from amended mesocosms, p. 265-273. In Chemistry of Trace Elements in Fly Ash, edited by K. S. Sajwan, A. K. Alva and R. F. Keefer. Kluwer Academic/Plenum Publishers.
- 2752 Jackson, B. P., J. C. Seaman and W. A. Hopkins. 2003. Arsenic speciation in a fly ash settling basin system, p. 203-218. In Chemistry of Trace Elements in Fly Ash, edited by K. S. Sajwan, A. K. Alva and R. F. Keefer. Kluwer Academic/Plenum Publishers.
- 2753 Punshon, T., J. C. Seaman and K. S. Sajwan. 2003. The production and use of coal combustion products, p. 1-11. In Chemistry of Trace Elements in Fly Ash, edited by K. S. Sajwan, A. K. Alva and R. F. Keefer. Kluwer Academic/Plenum Publishers.
- 2754 Ziemkiewicz, P. F., J. S. Simmons and A. S. Knox. 2003. The mine water leaching procedure: evaluating the environmental risk of backfilling mines with coal ash. p. 75-90. In Chemistry of Trace Elements in Fly Ash, edited by K. S. Sajwan, A. K. Alva and R. F. Keefer. Kluwer Academic/Plenum Publishers.
- 2755 Seaman, J., S. A. Aburime, B. P. Jackson and T. Punshon. 2003. Moisture retention and hydraulic conductivity of coarse-textured soils amended with coal combustion fly ash. p. 91-103. In Chemistry of Trace Elements in Fly Ash, edited by K. S. Sajwan, A. K. Alva and R. F. Keefer. Kluwer Academic/Plenum Publishers.
- 2756 Barton, C. D., L. Paddock, C. S. Romanek and J. C. Seaman. 2003. Geochemistry of an abandoned landfill containing coal combustion waste: implications for remediation. p. 105-141. In Chemistry of Trace Elements in Fly Ash, edited by K. S. Sajwan, A. K. Alva and R. F. Keefer. Kluwer Academic/Plenum Publishers.
- 2757 Ghuman, G. S., K. S. Sajwan, S. Paramasivam, D. C. Adriano and G. L. Mills. 2003. Mobility and adsorption of trace elements in a coal residues-affected swamp. p. 165-176. In Chemistry of Trace Elements in Fly Ash, edited by K. S. Sajwan, A. K. Alva and R. F. Keefer. Kluwer Academic/Plenum Publishers.
- 2758 Paramasivam, S., K. S. Sajwan, A. K. Alva, D. C. Adriano, T. Punshon, D. van Clief and K. H. Hostler. 2003. Comparative study of elemental transport and distribution in soils amended with fly ash and sewage sludge ash. p. 189-202. In Chemistry of Trace Elements in Fly Ash, edited by K. S. Sajwan, A. K. Alva and R. F. Keefer. Kluwer Academic/Plenum Publishers.

- 2759 Andrus, C. F. T., D. E. Crowe and C. S. Romanek. 2002. Oxygen isotope record of the 1997—1998 El Niño in Peruvian sea catfish (*Galeichthys peruvianus*) otoliths. *Paleoceanography* 17:5-1 - 5-8.
- 2760 Naidu, R., S. Rogers, V. V. S. R. Gupta, R. S. Kookana, N. S. Bolan and D. C. Adriano. 2003. Bioavailability of metals in the soil plant environment and its potential role in risk assessment. p. 21-57. In Bioavailability, Toxicity and Risk Relationships in Ecosystems, edited by R. Naidu, V. Gupta, S. Rogers, R. Kookana, N. Bolan and D. Adriano. Science Publishers, Inc.
- 2761 Bujtas, K., A. S. Knox, I. Kadar and D. Adriano. 2003. Plant soil metal relationships from micro to macro scale. p. 175-204. In Bioavailability, Toxicity and Risk Relationships in Ecosystems, edited by R. Naidu, V. Gupta, S. Rogers, R. Kookana, N. Bolan, and D. Adriano. Science Publishers, Inc.
- 2762 Naidu, R., N. Bolan and D. Adriano. 2003. Bioavailability, toxicity and risk relationships in ecosystems: The path ahead. p. 331-338. In Bioavailability, Toxicity and Risk Relationships in Ecosystems, edited by R. Naidu, V. Gupta, S. S. Rogers, R. Kookana, N. Bolan, and D. Adriano. Science Publishers, Inc.
- 2763 Neal, A. L., J. E. Amonette, B. M. Peyton and G. G. Geesey. 2004. Uranium complexes formed at hematite surfaces colonized by sulfate-reducing bacteria. *Environmental Science & Technology* 38:3019-3027.
- 2764 Hopkins, W. A., B. P. Staub, J. W. Snodgrass, B. E. Taylor, A. E. DeBiase, J. H. Roe, B. P. Jackson and J. D. Congdon. 2004. Responses of benthic fish exposed to contaminants in outdoor microcosms - examining the ecological relevance of previous laboratory toxicity tests. *Aquatic Toxicology* 68:1-12.
- 2765 Rowe, C. L., W. A. Hopkins and C. M. Bridges. 2003. Physiological ecology of amphibians in relation to susceptibility to natural and anthropogenic factors. p. 9-57. In Amphibian Decline: An Integrated Analysis of Multiple Stressor Effects, edited by G. Linder, S. Krest and D. Sparling. Society of Environmental Toxicology and Chemistry.
- 2766 Bridges, C. M., C. L. Rowe and W. A. Hopkins. 2003. Amphibian conservation genetics. p. 59-71. In Amphibian Decline: An Integrated Analysis of Multiple Stressor Effects, edited by G. Linder, S. Krest and D. Sparling. Society of Environmental Toxicology and Chemistry.
- 2767 Rowe, C.L. and W.A. Hopkins. 2003. Anthropogenic activities producing sink habitats for amphibians in the local landscape: A case study of lethal and sublethal effects of coal combustion residues in the aquatic environment. p. 271-282. In Amphibian Decline: An Integrated Analysis of Multiple Stressor Effects, edited by G. Linder, S. Krest and D. Sparling. Society of Environmental Toxicology and Chemistry.

- 2768 Wilson, M. D., S. L. Ustin and D. M. Rocke. 2004. Classification of contamination in salt marsh plants using hyperspectral reflectance. *IEEE Transactions on Geoscience and Remote Sensing* 42:1088-1095.
- 2769 Willson, J. D. and M. E. Dorcas. 2004. A comparison of aquatic drift fences with traditional funnel trapping as a quantitative method for sampling amphibians. *Herpetological Review* 35:148-150.
- 2770 Neal, A. L., L. K. Clough, T. D. Perkins, B. J. Little and T. S. Magnuson. 2004. In situ measurement of Fe(III) reduction activity of *Geobacter pelophilus* by simultaneous in situ RT-PCR and XPS analysis. *FEMS Microbiology Ecology* 49:163-169.
- 2771 Sever, D. M. and W. A. Hopkins. 2004. Oviductal sperm storage in the ground skink *scincella laterale* holbrook (Reptilia: Scincidae). *Journal of Experimental Zoology* 301A:599-611.
- 2772 Bolan, N., D. Adriano and S. Mahimairaja. 2004. Distribution and bioavailability of trace elements in livestock and poultry manure by-products. *Critical Reviews in Environmental Science and Technology* 34:291-338.
- 2773 Jackson, B. P., P. V. Winger and P. J. Lasier. 2004. Atmospheric lead deposition to Okefenokee Swamp, Georgia, USA. *Environmental Pollution* 130:445-451.
- 2774 Battaglia, L. L., B. S. Collins and P. B. Weisenhorn. 2004. *Quercus michauxii* regeneration in and around aging canopy gaps. *Canadian Journal of Forest Research* 34:1359-1364.
- 2775 Hopkins, W. A., B. P. Staub, J. A. Baionno, B. P. Jackson, J. H. Roe and N. B. Ford. 2004. Trophic and maternal transfer of selenium in brown house snakes (*Lamprophis fuliginosus*). *Ecotoxicology and Environmental Safety* 58:285-293.
- 2776 Unrine, J. M. and C. H. Jagoe. 2004. Dietary mercury exposure and bioaccumulation in larvae of the southern leopard frog, *Rana sphenocephala*. *RMZ-Materials and Geoenvironment* 51:1418-1421.
- 2777 Unrine, J. M., C. H. Jagoe, W. A. Hopkins and H. A. Brant. 2004. Adverse effects of environmentally relevant dietary mercury exposure in larvae of the southern leopard frog, *Rana sphenocephala*. *RMZ-Materials and Geoenvironment* 51:1422-1425.
- 2778 Li, Y., H. Vali, S. K. Sears, J. Yang, B. Deng and C. L. Zhang. 2004. Iron reduction and alteration of nontronite NAu-2 by a sulfate-reducing bacterium. *Geochimica et Cosmochimica Acta* 68:3251-3260.

- 2779 Zhang, C. L., B. W. Fouke, G. T. Bonheyo, A. D. Peacock, D. C. White, Y. Huang and C. S. Romanek. 2004. Lipid biomarkers and carbon-isotopes of modern travertine deposits (Yellowstone National Park, USA): implications for biogeochemical dynamics in hot-spring systems. *Geochimica et Cosmochimica Acta* 68:3157-3169.
- 2780 Roe, J. H., W. A. Hopkins, J. A. Baionno, B. P. Staub, C. L. Rowe and B. P. Jackson. 2004. Maternal transfer of selenium in *Alligator mississippiensis* nesting downstream from a coal-burning power plant. *Environmental Toxicology and Chemistry* 23:1969-1972.
- 2781 Glaudas, X. 2004. Do cottonmouths (*Agkistrodon piscivorus*) habituate to human confrontations? *Southeastern Naturalist* 3:129-138.
- 2782 Schable, N. A., B. C. Faircloth, W. E. Palmer, J. P. Carroll, L. W. Burger, L. A. Brennan, C. Hagen and T. C. Glenn. 2004. Tetranucleotide and dinucleotide microsatellite loci from the northern bobwhite (*Colinus virginianus*). *Molecular Ecology* 4:415-419.
- 2783 Jørgensen, N. O. G., R. Stepanauskas, A. U. Pederson, M. Hansen and O. Nybroe. 2003. Occurrence and degradation of peptidoglycan in aquatic environments. *FEMS Microbiology Ecology* 46:269-280.
- 2784 Stepanauskas, R., M. Moran, B. A. Bergamaschi and J. T. Hollibaugh. 2003. Covariance of bacterioplankton composition and environmental variables in a temperate delta system. *Aquatic Microbial Ecology* 31:85-98.
- 2785 Kekli, A., A. Aldahan, M. Meili, G. Possnert, N. Buraglio and R. Stepanauskas. 2003. ¹²⁹I in Swedish rivers: distribution and sources. *The Science of Total Environment* 309:161-172.
- 2786 Duncan, L., J. Dilustro and B. Collins. 2004. Avian response to forest management and military training activities at Fort Benning, Georgia. *Georgia Journal of Science* 62:95-103.
- 2787 Shao, Q., M. D. Wilson, C. S. Romanek and K. A. Hobson. 2004. Time series analysis of elemental and isotopic data from biomineralized whale tissue. *Environmental and Ecological Statistics* 11:323-337.
- 2788 Bertsch, P. M. and C. L. Strojan. 2004. Science in support of assessing ecological risk and implementing novel remediation strategies at the Savannah River Site, SC. Waste Management 2004 Conference, February 29-March 4, 2004, Tucson, AZ.

- 2789 DeVault, T. L., B. D. Reinhart, I. L. Brisbin, Jr. and O. E. Rhodes, Jr. 2004. Home ranges of sympatric black and turkey vultures in South Carolina. *The Condor* 106:706-711.
- 2790 Adriano, D. C., W. W. Wenzel, J. Vangronsveld and N. S. Bolan. 2004. Role of assisted natural remediation in environmental cleanup. *Geoderma* 122:121-142.
- 2791 Hinton, T. G., J. S. Bedford, J. D. Congdon and F. W. Whicker. 2004. Effects of radiation on the environment: A need to question old paradigms and enhance collaboration among radiation biologists and radiation ecologists. *Radiation Research* 162:332-338.
- 2792 Zhao, D., B. E. Borders and M. D. Wilson. 2003. Individual-tree diameter growth and mortality models for bottomland mixed-species hardwood stands in the lower Mississippi alluvial valley. *Forest Ecology and Management* 199:307-322.
- 2793 Pearson, A., Z. Huang, A. E. Ingalls, C. S. Romanek, J. Wiegel, K. H. Freeman, R. H. Smittenberg and C. L. Zhang. 2004. Nonmarine crenarchaeol in Nevada hot springs. *Applied and Environmental Microbiology* 70:5229-5237.
- 2794 Rothermel, B. B. 2004. Migratory success of juveniles: a potential constraint on connectivity for pond-breeding amphibians. *Ecological Applications* 14:1535-1546.
- 2795 Wilson, M., W. P. McCormick and T. G. Hinton. 2004. The maximally exposed individual — comparison of maximum likelihood estimation of high quantiles to an extreme value estimate. *Risk Analysis* 24:1143-1151.
- 2796 Vali, H., B. Weiss, Y. Li, S. K. Sears, S. S. Kim, J. L. Kirschvink and C. L. Zhang. 2004. Formation of tabular single-domain magnetite induced by *Geobacter metallireducens* GS-15. *Proceedings of the National Academy of Sciences* 101:16121-16126.
- 2797 Hinton, T. G., D. P. Coughlin, Yi Yi, and L. C. Marsh. 2004. Low dose rate irradiation facility: initial study on chronic exposures to medaka. *Journal of Environmental Radioactivity* 74:43-55.
- 2798 Punshon, T., A. L. Neal and B. P. Jackson. 2004. Cadmium. p. 171-208. In Trace and Ultratrace Elements in Plants and Soil, edited by I. Shtangeeva. WIT Press.
- 2799 Paller, M. H., C. H. Jagoe, H. Bennett, H. A. Brant and J. A. Bowers. 2004. Influence of methylmercury from tributary streams on mercury levels in Savannah River Asiatic clams. *Science of the Total Environment* 325:209-219.

- 2800 Collins, B. S., J. V McArthur and R. R. Sharitz. 2004. Plant effects on microbial assemblages and remediation of acidic coal pile runoff in mesocosm treatment wetlands. *Ecological Engineering* 23:107-115.
- 2801 Hopkins, W. A., C. T. Winne and S. E. DuRant. 2004. Differential swimming performance of two natricine snakes exposed to a cholinesterase-inhibiting pesticide. *Environmental Pollution* 133:531-540.
- 2802 Wickliffe, J. K., A. M. Bickham, B. E. Rodgers, R. K. Chesser, C. J. Phillips, S. P. Gaschak, J. A. Goryanaya, I. Chizhevsky and R. J. Baker. 2003. Exposure to chronic, low-dose rate γ -Radiation at Chernobyl does not induce point mutations in Big Blue Mice. *Environmental and Molecular Mutagenesis* 42:11-18.
- 2803 Roe, J. H., W. H. Hopkins, J. W. Snodgrass and J. D. Congdon. 2004. The influence of circadian rhythms on pre- and post-prandial metabolism in the snake *Lamprophis fuliginosus*. *Comparative Biochemistry and Physiology Part A* 139:159-168.
- 2804 Unrine, J. M. and C. H. Jagoe. 2004. Dietary mercury exposure and bioaccumulation in southern leopard frog (*Rana sphenocephala*) larvae. *Environmental Toxicology and Chemistry* 23:2956-2963.
- 2805 Unrine, J. M., C. H. Jagoe, W. A. Hopkins and H. A. Brant. 2004. Adverse effects of ecologically relevant dietary mercury exposure in southern leopard frog (*Rana sphenocephala*) larvae. *Environmental Toxicology and Chemistry* 23:2964-2970.
- 2806 Dilustro, J., B. Collins, L. Duncan and C. Crawford. 2005. Moisture and soil texture effects on soil CO₂ efflux components in southeastern mixed pine forests. *Forest Ecology and Management* 204:85-95.
- 2807 Newman, L. A. and C. M. Reynolds. 2004. Phytodegradation of organic compounds. *Current Opinion in Biotechnology* 15:225-230.
- 2808 Magnuson, T. S., A. L. Neal and G. G. Geesey. 2004. Combining *in Situ* reverse transcriptase polymerase chain reaction, optical microscopy, and x-ray photoelectron spectroscopy to investigate mineral surface-associated microbial activities. *Microbial Ecology* 48:578-588.
- 2809 Hopkins, W. A., J. W. Snodgrass, J. A. Baionno, J. H. Roe, B. P. Staub and B. P. Jackson. 2005. Functional relationships among selenium concentrations in the diet, target tissues, and nondestructive tissue samples of two species of snakes. *Environmental Toxicology and Chemistry* 24:344-351.
- 2810 Collins, B. S., R. R. Sharitz and D. P. Coughlin. 2005. Elemental composition of native wetland plants in constructed mesocosm treatment wetlands. *Bioresource Technology* 96:937-948.

- 2811 Hopkins, W. A., B. P. Staub, J. A. Baionno, B. P. Jackson and L. G. Talent. 2005. Transfer of selenium from prey to predators in a simulated terrestrial food chain. *Environmental Pollution* 134:447-456.
- 2812 Jackson, B. P., J. F. Ranville and A. L. Neal. 2005. Application of flow field flow fractionation-ICPMS for the study of uranium binding in bacterial cell suspensions. *Analytical Chemistry* 77:1393-1397.
- 2813 Sawyer, R. H., L. Rogers, L. Washington, T. C. Glenn and L. W. Knapp. 2005. Evolutionary origin of the feather epidermis. *Developmental Dynamics* 232:256-267.
- 2814 Mou, X., M. A. Moran, R. Stepanauskas, J. M. González and R. E. Hodson. 2005. Flow-cytometric cell sorting and subsequent molecular analyses for culture-independent identification of bacterioplankton involved in dimethylsufoniopropionate transformations. *Applied and Environmental Microbiology* 71:1405-1416.
- 2815 Metts, B. S., W. A. Hopkins and J. P. Nestor. 2005. Interaction of an insecticide with larval density in pond-breeding salamanders (*Ambystoma*). *Freshwater Biology* 50:685-696.
- 2816 Glaudas, X., T. M. Farrell and P. G. May. 2005. Defensive behavior of free-ranging pygmy rattlesnakes. *Copeia* 1:196-200.
- 2817 Winne, C. T. and M. B. Keck. 2005. Intraspecific differences in thermal tolerance of the diamondback watersnake (*Nerodia rhombifer*): effects of ontogeny, latitude, and sex. *Comparative Biochemistry and Physiology, Part A* 140:141-149.
- 2818 Pinder, J. E., III, T. G. Hinton and F. W. Whicker. 2005. The influence of a whole-lake addition of stable cesium on the remobilization of aged ¹³⁷Cs in a contaminated reservoir. *Journal of Environmental Radioactivity* 80:225-243.
- 2819 Unrine, J. M., C. H. Jagoe, A. C. Brinton, H. A. Brant and N. T. Garvin. 2005. Dietary mercury exposure and bioaccumulation in amphibian larvae inhabiting Carolina bay wetlands. *Environmental Pollution* 135:245-253.
- 2820 Hauswaldt, J. S. and T. C. Glenn. 2005. Population genetics of the diamondback terrapin (*Malaclemys terrapin*). *Molecular Ecology* 14:723-732.
- 2821 Smith, R. B., T. D. Tuberville, A. L. Chambers, K. M. Herpich and J. E. Berish. 2005. Gopher tortoise burrow surveys: External characteristics, burrow cameras, and truth. *Applied Herpetology* 2:161-170.

- 2822 Taylor, B. E. and A. E. DeBiase. 2005. Are microcrustaceans useful for assessing success of wetland pond restoration? (South Carolina). *Ecological Restoration* 23:56-57.
- 2823 Croshaw, D. A. 2005. Cryptic behavior is independent of dorsal color polymorphism in juvenile northern leopard frogs (*Rana pipiens*). *Journal of Herpetology* 39:125-129.
- 2824 Zhao, D., M. Wilson and B. E. Borders. 2005. Modeling response curves and testing treatment effects in repeated measures experiments: a multilevel nonlinear mixed-effects model approach. *Canadian Journal for Research* 35:122-132.
- 2825 Zhang, C. L., Z. Huang, J. Cantu, R. D. Pancost, R. L. Brigmon, T. W. Lyons and R. Sassen. 2005. Lipid biomarkers and carbon isotope signatures of a microbial (*Beggiatoa*) mat associated with gas hydrates in the Gulf of Mexico. *Applied and Environmental Microbiology* 71:2106-2112.
- 2826 Cooper, D. C., A. L. Neal, R. K. Kukkadapu, D. Brewé, A. Coby and F. W. Picardal. 2005. Effects of sediment iron mineral composition on microbially mediated changes in divalent metal speciation: Importance of ferrihydrite. *Geochimica et Cosmochimica Acta* 69:1739-1754.
- 2827 Jackson, B. P., J. F. Ranville, P. M. Bertsch and A. G. Sowder. 2005. Characterization of colloidal and humic-bound Ni and U in the "dissolved" fraction of contaminated sediment extracts. *Environmental Science & Technology* 39:2478-2485.
- 2828 Winne, C. T., M. D. Dorcas and S. M. Poppy. 2005. Population structure, body size, and seasonal activity of black swamp snakes (*Seminatrix pygaea*). *Southeastern Naturalist* 4:1-14.
- 2829 Hinton, T. G., A. S. Knox, D. I. Kaplan and R. Sharitz. 2005. Phytoextraction of uranium and thorium by native trees in a contaminated wetland. *Journal of Radioanalytical and Nuclear Chemistry* 264:417-422.
- 2830 Kaplan, D. I., T. G. Hinton and A. S. Knox. 2005. Cesium-137 partitioning to wetland sediments and uptake by plants. *Journal of Radioanalytical and Nuclear Chemistry* 264:393-399.
- 2831 Adriano, D. C., N. S. Bolan, J. Vangronsveld and W. W. Wenzel. 2005. Heavy Metals. p. 175-182. In Encyclopedia of Soils in the Environment, edited by D. Hillel. Elsevier Academic Press. Amsterdam, The Netherlands.
- 2832 Bolan, N. S., D. Curtin and D. C. Adriano. 2005. Acidity. p. 11-17. In Encyclopedia of Soils in the Environment, edited by D. Hillel. Elsevier Academic Press. Amsterdam, The Netherlands.

- 2833 Koo, B-J, D. C. Adriano, N. S. Bolan and C. D. Barton. 2005. Root exudates and microorganisms. p. 421-428. In Encyclopedia of Soils in the Environment, edited by D. Hillel. Elsevier Academic Press. Amsterdam, The Netherlands.
- 2834 Stepanauskas, R., T. C. Glenn, C. H. Jagoe, R. C. Tuckfield, A. H. Lindell and J. McArthur. 2005. Elevated microbial tolerance to metals and antibiotics in metal-contaminated industrial environments. *Environmental Science & Technology* 39:3671-3678.
- 2835 Zhao, D., B. E. Borders and M. D. Wilson. 2005. A density-dependent matrix model for bottomland hardwood stands in the lower Mississippi Alluvial Valley. *Ecological Modelling* 184:381-395.
- 2836 Jiménez-López, C., C. S. Romanek, F. J. Huertas, H. Ohmoto and E. Caballero. 2004. Oxygen isotope fractionation in synthetic magnesian calcite. *Geochimica et Cosmochimica Acta* 68:3367-3377.
- 2837 Zhang, C. 2005. Genome-empowered stable-isotope biogeochemistry: integrating genomics, proteomics and metabolomics. *Logical Biology* 5:79-80.
- 2838 Weston, J. L., N. A. Schable and T. C. Glenn. 2004. Characterization of six microsatellite primers for the grey fox (*Urocyon cinereoargenteus*). *Molecular Ecology Notes* 4:503-505.
- 2839 Koopman, M. E., N. A. Schable and T. C. Glenn. 2004. Development and optimization of microsatellite DNA primers for boreal owls (*Aegolius funereus*). *Molecular Ecology Notes* 4:376-378.
- 2840 Otero-Arnaiz, A., A. Schnabel, T. C. Glenn, N. A. Schable, C. Hagen and L. Ndong. 2005. Isolation and characterization of microsatellite markers in the East African tree, *Acacia brevispica* (Fabaceae: Mimosoideae). *Molecular Ecology Notes* 5:366-368.
- 2841 Faircloth, B. C., A. Reid, T. Valentine, S. H. Eo, T. M. Terhune, T. C. Glenn, W. E. Palmer, C. J. Nairn and J. P. Carroll. 2005. Tetranucleotide, trinucleotide, and dinucleotide loci from the bobcat (*Lynx rufus*). *Molecular Ecology Notes* 5:387-389.
- 2842 Dion, H. M., C. S. Romanek, T. G. Hinton and P. M. Bertsch. 2005. Cesium-137 in floodplain sediments of the Lower Three Runs Creek on the DOE Savannah River Site. *Journal of Radioanalytical and Nuclear Chemistry* 264:481-488.
- 2843 Winne, C. T. and M. B. Keck. 2004. Daily activity patterns of Whiptail Lizards (Squamata: Teiidae: *Aspiloscelis*): a proximate response to environmental conditions or an endogenous rhythm? *Functional Ecology* 18:314-321.

- 2844 Li, Y., Y. Zheng and B. Fu. 2005. Mössbauer spectroscopy of omphacite and garnet pairs from eclogites: Application to geothermobarometry. *American Mineralogist* 90:90-100.
- 2845 Kevbrin, V. V. 2004. Alkalithermophiles: A double challenge from extreme environments. p. 1-16. In Origins: Genesis, Evolution and Diversity of Life, edited by J. Seckbach. Kluwer Academic Publishers, Dordrecht, NL.
- 2846 Bolan, N. S., L. Wong and D. C. Adriano. 2004. Nutrient removal from farm effluents. *Bioresource Technology* 94:251-260.
- 2847 Ye, Q., Y. Roh, S.L. Carroll, B. Blair, J. Zhou, C. L. Zhang and M. W. Fields. 2004. Alkaline anaerobic respiration: isolation and characterization of a novel alkaliphilic and metal-reducing bacterium. *Applied and Environmental Microbiology* 70:5595-5602.
- 2848 Harmon, S. M., J. K. King, J. B. Gladden, G. T. Chandler and L. A. Newman. 2005. Mercury body burdens in *Gambusia holbrooki* and *Erimyzon sucetta* in a wetland mesocosm amended with sulfate. *Chemosphere* 59:227-233.
- 2849 Zhang, C. L. and B. Lanoil. 2004. Geomicrobiology and biogeochemistry of gas hydrates and cold seeps. *Chemical Geology* 205:187-194.
- 2850 Sassen, R., H. H. Roberts, R. Carney, A. V. Milkov, D. A. DeFreitas, B. Lanoil and C. Zhang. 2004. Free hydrocarbon gas, gas hydrate, and authigenic minerals in chemosynthetic communities of the northern Gulf of Mexico continental slope: relation to microbial processes. *Chemical Geology* 205:195-217.
- 2851 Formolo, M. J., T. W. Lyons, C. Zhang, C. Kelley, R. Sassen, J. Horita and D. R. Cole. 2004. Quantifying carbon sources in the formation of authigenic carbonates at gas hydrate sites in the Gulf of Mexico. *Chemical Geology* 205:253-264.
- 2852 Sassen, R., S. T. Sweet, D. A. DeFreitas, N. L. Eaker, H. H. Roberts and C. Zhang. 2004. Brine vents on the Gulf of Mexico slope: hydrocarbons, carbonate-barite-uranium mineralization, red beds, and life in an extreme environment. 2004 Gulf Coast Section Society of Economic Paleontologists and Mineralogists 444-463.
- 2853 Batzer, D. P., S. E. Dietz-Brantley, B. E. Taylor and A. E. DeBiase. 2005. Evaluating regional differences in macroinvertebrate communities from forested depressional wetlands across eastern and central North America. *Journal of North America Benthological Society* 24:403-414.

- 2854 Roe, J. H., W. A. Hopkins and B. P. Jackson. 2005. Species- and stage-specific differences in trace element tissue concentrations in amphibians: implications for the disposal of coal-combustion wastes. *Environmental Pollution* 136:353-363.
- 2855 Kelsey-Wall, A., J. C. Seaman, C. H. Jagoe, C. E. Dallas and K. F. Gaines. 2005. Rodents as receptor species at a tritium disposal site. *Journal of Environmental Radioactivity* 82:95-104.
- 2856 Punshon, T., B. P. Jackson, A. Lanzirotti, W. A. Hopkins, P. M. Bertsch and J. Burger. 2005. Application of synchrotron x-ray microbeam spectroscopy to the determination of metal distribution and speciation of biological tissues. *Spectroscopy Letters* 38:343-363.
- 2857 DeVault, T. L., B. D. Reinhart, I. L. Brisbin, Jr. and O. E. Rhodes, Jr. 2005. Flight behavior of black and turkey vultures: implications for reducing bird-aircraft collisions. *Journal of Wildlife Management* 69:592-599.
- 2858 Paller, M. H., D. E. Fletcher, T. Jones, S. A. Dyer, J. J. Isely and J. W. Littrell. 2005. Potential of largemouth bass as vectors of ^{137}Cs dispersal. *Journal of Environmental Radioactivity* 80:27-43.
- 2859 Snodgrass, J. W., W. A. Hopkins, B. P. Jackson, J. A. Baionno and J. Broughton. 2005. Influence of larval period on responses of overwintering green frog (*Rana clamitans*) larvae exposed to contaminated sediments. *Environmental Toxicology and Chemistry* 24:1508-1514.
- 2860 Mahimairaja, S., N. S. Bolan, D. C. Adriano and B. Robinson. 2005. Arsenic contamination and its risk management in complex environmental settings. p. 1-82. In *Advances in Agronomy*, edited by D. L. Sparks. Elsevier/Academic Press. San Diego, CA.
- 2861 Tague, R. T. and S. A. Foré. 2005. Analysis of the spatial genetic structure of *Passiflora incarnata* in recently disturbed sites. *Canadian Journal of Botany* 83:420-426.
- 2862 Harper, S. J. and R. Sharitz. 2005. Delineating sandhill communities: the use of advanced techniques to extract features from satellite imagery. p. 123-136. In *Proceedings of the 4th Southern Forestry and Natural Resources GIS Conference*. Warnell School of Forest Resources, University of Georgia, Athens, GA.
- 2863 Moen, D. S., C. T. Winne and R. N. Reed. 2005. Habitat-mediated shifts and plasticity in the evaporative water loss rates of two congeneric pit vipers (Squamata, Viperidae, *Agkistrodon*). *Evolutionary Ecology Research* 7:759-766.
- 2864 Hitchcock, D. R., C. D. Barton, K. T. Rebel, J. Singer, J. C. Seaman, J. D. Strawbridge, S. J. Riha and J. I. Blake. 2005. A containment and disposition

- strategy for tritium-contaminated groundwater at the Savannah River Site, South Carolina, United States. *Environmental Geosciences* 12:17-28.
- 2865 Barton, C. D., L. S. Paddock, C. S. Romanek, S. Maharaj and J. Seaman. 2005. Metal attenuation processes in a landfill containing coal combustion waste: implications for remediation. *Environmental Geosciences* 12:45-55.
- 2866 Punshon, T., A. Lanzirrotti, S. Harper, P. M. Bertsch and J. Burger. 2005. Distribution and speciation of metals in annual rings of black willow. *Journal of Environmental Quality* 34:1165-1173.
- 2867 McCay, T. S. and M. J. Komoroski. 2004. Demographic responses of shrews to removal of coarse woody debris in a managed pine forest. *Forest Ecology and Management* 189:387-395.
- 2868 Willson, J. D., C. T. Winne and L. A. Fedewa. 2005. Unveiling escape and capture rates of aquatic snakes and salamanders (*Siren spp.* and *Amphiuma means*) in commercial funnel traps. *Journal of Freshwater Ecology* 20:397-404.
- 2869 Sawyer, R. H., T. C. Glenn, J. O. French and L. W. Knapp. 2005. Developing antibodies to synthetic peptides based on comparative DNA sequencing of multigene families. *Methods in Enzymology* 395:636-652.
- 2870 Glenn, T. C. and N. A. Schable. 2005. Isolating microsatellite DNA loci. *Methods in Enzymology* 395:202-222.
- 2871 Wenzel, W. W., E. Lombi and D. C. Adriano. 2004. Biogeochemical processes in the rhizosphere: role in phytoremediation of metal-polluted soils. p. 273-303. In Heavy Metal Stress in Plants: From Biomolecules to Ecosystems, edited by M. Prasad and J. Hagemeyer. Springer Verlag Berlin Heidelberg New York.
- 2872 Wilson, M. and D. Jackson. 2005. Uncertainty and power at low levels of incurred radiation dose. *Journal of Radiological Protection* 25:51-66.
- 2873 Glaudas, X. and J. W. Gibbons. 2005. Do thermal cues influence the defensive strike of cottonmouths (*Agkistrodon piscivorus*)? *Amphibia-Reptilia* 26:264-267.
- 2874 Stepanauskas, R., M. A. Moran, B. A. Bergamaschi and J. T. Hollibaugh. 2005. Sources, bioavailability, and photoreactivity of dissolved organic carbon in the Sacramento–San Joaquin River Delta. *Biogeochemistry* 74:131-149.
- 2875 Wilson, M. D. 2005. Bootstrap hypothesis testing and power analysis at low dose levels. *Science of the Total Environment* 346:38-47.
- 2876 Shaw-Allen, P. L., C. S. Romanek, A. L. Bryan, Jr., H. A. Brant and C. H. Jagoe. 2005. Shifts in relative tissue $\delta^{15}\text{N}$ values in snowy egret nestlings with dietary

- mercury exposure: A marker for increased protein degradation. *Environmental Science & Technology* 39:4226-4233.
- 2877 Kennamer, R. A., J. R. Stout, B. P. Jackson, S. V. Colwell, I. L. Brisbin, Jr. and J. Burger. 2005. Mercury patterns in wood duck eggs from a contaminated reservoir in South Carolina, USA. *Environmental Toxicology and Chemistry* 24:1793-1800.
- 2878 Mitchell, J. C., T. D. Tuberville and K. A. Buhlmann. 2005. *Siebenrockiella crassicollis* (Black Marsh Turtle). Fire scars. *Herpetological Review* 36:169.
- 2879 Tsyusko, O. V., M. H. Smith, R. R. Sharitz and T. C. Glenn. 2005. Genetic and clonal diversity of two cattail species, *Typha latifolia* and *T. angustifolia* (Typhaceae), from Ukraine. *American Journal of Botany* 92:1161-1169.
- 2880 Hu, Qinhong, P. Zhao, J. E. Moran and J. Seaman. 2005. Sorption and transport of iodine species in sediments from the Savannah River and Hanford sites. *Journal of Contaminant Hydrology* 78:185-205.
- 2881 Fedewa, L. A. and A. H. Lindell. 2005. Inhibition of growth for select gram-negative bacteria by tricaine methane sulfonate (MS-222). *Journal of Herpetological Medicine and Surgery* 15:13-17.
- 2882 Webb, S. L., A. M. Fedynich, S. K. Yeltatzie, T. L. DeVault and O. E. Rhodes, Jr. 2005. Survey of blood parasites in black vultures and turkey vultures from South Carolina. *Southeastern Naturalist* 4:355-360.
- 2883 Bryan, A. L., Jr., J. W. Snodgrass, J. R. Robinette and L. B. Hopkins. 2005. Parental activities of nesting wood storks relative to time of day, tide level and breeding stage. *Waterbirds* 28:139-145.
- 2884 Reed, R. 2005. An ecological risk assessment of nonnative boas and pythons as potentially invasive species in the United States. *Risk Analysis* 25:753-766.
- 2885 Jackson, B. P., P. L. Williams, A. Lanzirrotti and P. M. Bertsch. 2005. Evidence for biogenic pyromorphite formation by the nematode *caenorhabditis elegans*. *Environmental Science & Technology* 39:5620-5625.
- 2886 Comer, C. E., J. C. Kilgo, G. J. D'Angelo, T. C. Glenn and K. V. Miller. 2005. Fine-scale genetic structure and social organization in female white-tailed deer. *Journal of Wildlife Management* 69:332-344.
- 2887 Croshaw, D. A., N. A. Schable, M. B. Peters and T. C. Glenn. 2005. Isolation and characterization of microsatellite DNA loci from *Ambystoma* salamanders. *Conservation Genetics* 6:473-479.

- 2888 Gaines, K. F., D. E. Porter, S. A. Dyer, G. R. Wein, J. E. Pinder, III and I. L. Brisbin, Jr. 2004. Using wildlife as receptor species: A landscape approach to ecological risk assessment. *Environmental Management* 34:528-545.
- 2889 Gaines, K. F., D. E. Porter, T. Punshon and I. L. Brisbin, Jr. 2005. A spatially explicit model of the wild hog for ecological risk assessment activities at the Department of Energy's Savannah River Site. *Human and Ecological Risk Assessment* 11:567-589.
- 2890 Hinton, T. G. and F. Bréchnignac 2005. A case against biomarkers as they are currently used in radioecological risk analyses: A problem of linkage. p. 123-135. In Scientific Trends in Radiological Protection of the Environment, edited by F. Bréchnignac and B.J. Howard. IRSN, France.
- 2891 Grayson, K. L., L. W. Cook, M. J. Todd, D. Pierce, W. A. Hopkins, R. E. Gatten, Jr. and M. D. Dorcas 2005. Effects of prey type on specific dynamic action, growth, and mass conversion efficiencies in the horned frog, *Ceratophrys cranwelli*. *Comparative Biochemistry and Physiology, Part A* 141:298-304.
- 2892 Sever, D. M. and W. A. Hopkins 2005. Renal sexual segment of the ground skink, *Scincella laterale* (reptilia, squamata, scincidae). *Journal of Morphology* 266:46-59.
- 2893 Tuberville, T. D., K. A. Buhlmann, R. K. Bjorkland and D. Booher 2005. Ecology of the Jamaican slider turtle (*Trachemys terrapen*), with implications for conservation and management. *Chelonian Conservation and Biology* 4:908-915.
- 2894 Mulhouse, J. M., L. E. Burbage and R. R. Sharitz 2005. Seed bank-vegetation relationships in herbaceous Carolina bays: responses to climatic variability. *Wetlands* 25:738-747.
- 2895 Metts, B. S. and J. P. Nestor 2005. Amphibian and reptile diversity in the Sumter National Forest of South Carolina. *Journal of the North Carolina Academy of Science* 121:117-124
- 2896 Tuberville, T. D., J. D. Willson, M. E. Dorcas and J. W. Gibbons 2005. Herpetofaunal species richness of southeastern national parks. *Southeastern Naturalist* 4:537-569.
- 2897 Whiteman, H. H. and R. D. Semlitsch 2005. Asymmetric reproductive isolation among polymorphic salamanders. *Biological Journal of the Linnean Society* 86:265-281.
- 2898 Hagen, C. and I. Y. S. Ching 2005. Distribution, natural history, and exploitation of *Leucocephalon yuwonoi* in Central Sulawesi, Indonesia. *Chelonian Conservation and Biology* 4:948-951.

- 2899 Fokidis, H. B. and T. S. Risch 2005. The use of nest boxes to sample arboreal vertebrates. *Southeastern Naturalist* 4:447-458.
- 2900 Croshaw, D. A. and D. E. Scott 2004. Experimental evidence that nest attendance benefits female marbled salamanders (*Ambystoma opacum*) by reducing egg mortality. *The American Midland Naturalist* 154:398-411.
- 2901 Bryan, A. L., Jr., L. B. Hopkins, C. S. Eldridge, I. L. Brisbin, Jr. and C. H. Jagoe 2005. Behavior and food habits at a bald eagle nest in inland South Carolina. *Southeastern Naturalist* 4:459-468.
- 2902 Scott, D. E. 2005. *Ambystoma opacum* (marbled salamander). p. 627-632. In Amphibian Declines: the Conservation Status of United States Species, edited by M. Lannoo, University of California Press.
- 2903 Tuberville, T. D., E. E. Clark, K. A. Buhlmann and J. W. Gibbons 2005. Translocation as a conservation tool: site fidelity and movement of repatriated gopher tortoises (*Gopherus polyphemus*). *Animal Conservation* 8:349-358.
- 2904 Van Nostrand, J. D., A. G. Sowder, P. M. Bertsch and P.J. Morris. 2005. Effect of pH on the toxicity of nickel and other divalent metals to *Burkholderia Cepacia* PR1301. *Environmental Toxicology and Chemistry* 24:2742-2750.
- 2905 Mulhouse, J. M., D. De Steven, R. F. Lide and R. R. Sharitz. 2005. Effects of dominant species on vegetation change in Carolina bay wetlands following a multi-year drought. *Journal of the Torrey Botanical Society*. 132:411-420.
- 2906 Andrews, K. M. and J. W. Gibbons 2005. How do highways influence snake movement? behavioral responses to roads and vehicles. *Copeia* 4:772-782.
- 2907 Wilkinson, L. R. and J. W. Gibbons 2005. Patterns of reproductive allocation: clutch and egg size variation in three freshwater turtles. *Copeia* 4:868-879.
- 2908 Depkin, F. C., L. K. Estep, A. L. Bryan, Jr., C. S. Eldridge and I. L. Brisbin, Jr. 2005. Comparison of wood stork foraging success and behavior in selected tidal and non-tidal habitats. *The Wilson Bulletin* 117:386-389.
- 2909 Daszak, P., D. E. Scott, A. M. Kilpatrick, C. Faggioni, J. W. Gibbons and D. Porter 2005. Amphibian population declines at Savannah River Site are linked to climate, not chytridiomycosis. *Ecology* 86:3232-3237.
- 2910 Seaman, J. C., V. M. Vulava, A. G. Sowder, B. P. Jackson, S. A. Aburime and P. M. Bertsch 2005. Metal extractability from contaminated SRS sediments: comparison of column and batch results. *Environmental Geosciences* 12:235-242.

- 2911 Neal, A. L., T. L. Bank, M. F. Hochella, Jr. and K. M. Rosso 2005. Cell adhesion of *Shewanella oneidensis* to iron oxide minerals: effect of different single crystal faces. *Geochemical Transactions* 6:77-84.
- 2912 Cea, M., J. C. Seaman, A. A. Jara, M. L. Mora and M. C. Diez 2005. Describing chlorophenol sorption on variable-charge soil using the triple-layer model. *Journal of Colloid and Interface Science* 292:171-178.
- 2913 Rothermel, B. B. and T. M. Luhring 2005. Burrow availability and desiccation risk of mole salamanders (*Ambystoma talpoideum*) in harvested versus unharvested forest stands. *Journal of Herpetology* 39:619-626.
- 2914 Imm, D.W. and K.W. McLeod. 2005. Plant communities. p. 106-161. In Biotic Communities. In Ecology and Management of a Forested Landscape: Fifty Years on the Savannah River Site, edited by J.C. Kilgo and J.I. Blake. Island Press. Washington, DC.
- 2915 Taylor, B.E. 2005. Aquatic invertebrates. p. 161-175. In Biotic Communities. In Ecology and Management of a Forested Landscape: Fifty Years on the Savannah River Site, edited by J.C. Kilgo and J.I. Blake. Island Press. Washington, DC.
- 2916 Buhlmann, K.A., T.D. Tuberville, Y. Leiden, T.J. Ryan, S. Poppy, C.T. Winne, J.L. Greene, T.M. Mills, D.E. Scott, and J.W. Gibbons. 2005. Amphibians and reptiles. p. 203-223. In Biotic Communities. In Ecology and Management of a Forested Landscape: Fifty Years on the Savannah River Site, edited by J.C. Kilgo and J.I. Blake. Island Press. Washington, DC.
- 2917 Kilgo, J.C. and A.L. Bryan, Jr. 2005. Nongame birds. p. 223-252. In Biotic Communities. In Ecology and Management of a Forested Landscape: Fifty Years on the Savannah River Site, edited by J.C. Kilgo and J.I. Blake. Island Press. Washington, DC.
- 2918 Brisbin, I.L., Jr. 2005. American alligator. p. 285-289. In Threatened and Endangered Species. In Ecology and Management of a Forested Landscape: Fifty Years on the Savannah River Site, edited by J.C. Kilgo and J.I. Blake. Island Press. Washington, DC.
- 2919 Bryan, A.L., Jr. 2005. Wood stork. p. 289-294. In Threatened and Endangered Species. In Ecology and Management of a Forested Landscape: Fifty Years on the Savannah River Site, edited by J.C. Kilgo and J.I. Blake. Island Press. Washington, DC.
- 2920 Bryan, A.L., Jr. and W.L. Jarvis. 2005. Bald eagle. p. 295-301. In Threatened and Endangered Species. In Ecology and Management of a Forested Landscape:

- Fifty Years on the Savannah River Site, edited by J.C. Kilgo and J.I. Blake. Island Press. Washington, DC.
- 2921 Kennamer, R.A. 2005. Waterfowl. p. 347-359. In Harvestable Natural Resources. In Ecology and Management of a Forested Landscape: Fifty Years on the Savannah River Site, edited by J.C. Kilgo and J.I. Blake. Island Press. Washington, DC.
- 2922 Johns, P.E. and J.C. Kilgo. 2005. White-tailed deer. p. 380-389. In Harvestable Natural Resources. In Ecology and Management of a Forested Landscape: Fifty Years on the Savannah River Site, edited by J.C. Kilgo and J.I. Blake. Island Press. Washington, DC.
- 2923 Pinder, J. E., III, T. G. Hinton and F. W. Whicker 2006. Foliar uptake of cesium from the water column by aquatic macrophytes. *Journal of Environmental Radioactivity* 85:23-47.
- 2924 Winne, C. T. 2005. *Seminatrix pygaea* (Black Swamp Snake). *Reproduction*. *Herpetological Review* 36:460.
- 2925 Winne, C. T. 2005. Increases in capture rates of an aquatic snake (*Seminatrix pygaea*) using naturally baited minnow traps: evidence for aquatic funnel trapping as a measure of foraging activity. *Herpetological Review* 36:411-413.
- 2926 LaJeunesse, S. D., J. J. Dilustro, R. R. Sharitz and B. S. Collins 2006. Ground layer carbon and nitrogen cycling and legume nitrogen inputs following fire in mixed pine forests. *American Journal of Botany* 93:84-93.
- 2927 Roe, J. H., W. A. Hopkins and L. G. Talent 2005. Effects of body mass, feeding, and circadian cycles on metabolism in the lizard *Sceloporus occidentalis*. *Journal of Herpetology* 39:595-603.
- 2928 Barton, C., D. Marx, D. Adriano, Bon-Jun Koo, L. Newman, S. Czapka and J. Blake 2005. Phytostabilization of a landfill containing coal combustion waste. *Environmental Geosciences* 12:251-265.
- 2929 Holladay, C. A., C. Kwit and B. Collins 2006. Woody regeneration in and around aging southern bottomland hardwood forest gaps: effects of herbivory and gap size. *Forest Ecology and Management* 223:218-225.
- 2930 Dueck, L. A., J. A. Fowler, C. S. Hagen and T. C. Glenn 2005. Genetic discrimination of *Spiranthes cernua* species complex in South Carolina. p. 145-154. In Proceedings of the Second International Orchid Conservation Congress, May 17-21, 2004, Sarasota, FL, Selbyana.

- 2931 Hopkins, W. A. 2006. Use of tissue residues in reptile ecotoxicology: A call for integration and experimentalism. p. 35-62. In Toxicology of Reptiles, edited by S. C. Gardner and E. Oberdörster. CRC Press.
- 2932 Mullen, L. M., R. J. Hirschmann, K. L. Prince, T. C. Glenn, M. J. Dewey and H. E. Hoekstra. 2006. Sixty polymorphic microsatellite markers for the oldfield mouse developed in *Peromyscus polionotus* and *Peromyscus maniculatus*. *Molecular Ecology Notes* 6:36-40.
- 2933 Conner, W. H. and R. R. Sharitz. 2005. Forest communities of bottomlands. p. 93-120. In Ecology and Management of Bottomland Hardwood Systems: *The State of Our Understanding*, edited by L.H. Fredrickson, S.L. King, and R.M. Kaminski. University of Missouri-Columbia, Gaylord Memorial Laboratory Special Publication No. 10.
- 2934 Battaglia, L. L. and R. R. Sharitz. 2005. Effects of natural disturbance on bottomland hardwood regeneration. p. 121-136. In Ecology and Management of Bottomland Hardwood Systems: *The State of Our Understanding*, edited by L.H. Fredrickson, S.L. King, and R.M. Kaminski. University of Missouri-Columbia, Gaylord Memorial Laboratory Special Publication No. 10.
- 2935 Glaudas, X., G., C. T. Winne and L. A. Fedewa 2006. Ontogeny of anti-predator behavioral habituation in cottonmouths (*Agkistrodon piscivorus*). *Ethology*:1-8.
- 2936 Concepción, J.-L., C. S. Romanek and E. Caballero 2006. Carbon isotope fractionation in synthetic magnesian calcite. *Geochimica et Cosmochimica Acta* 70:1163-1171.
- 2937 Bolan, N. S., D. C. Adriano, R. Naidu, M. Mora and M. Santiago. 2005. Phosphorus-trace element interactions in soil-plant systems. p. 317-352. In Phosphorus: Agriculture and the Environment, edited by J.T. Sims and A.N. Sharpley. American Society of Agronomy, Crop Science Society of America, Soil Science Society of America. Agronomy Monograph no. 46.
- 2938 Dorcas, M. E., S. J. Price and G. E. Vaughan. 2006. Amphibians and reptiles of the great falls bypassed reaches in South Carolina. *Journal of the North Carolina Academy of Science* 22:1-9.
- 2939 Risch, T, S., S. C. Loeb. 2004. Monitoring interactions between red-cockaded woodpeckers and southern flying squirrels. p. 504-505. In Red-cockaded woodpecker: Road to recovery, edited by, R. Costa, S. Daniels, H.B. Fokidis, and L. Hodgens. Hancock House Publishers, WA.
- 2940 Knox, A. S., D. L. Dunn, M. H. Paller, E. A. Nelson, W. L. Specht and J. C. Seaman 2006. Assessment of contaminant retention in constructed wetland sediments. *Engineering in Life Sciences* 6:31-36.

- 2941 Burger, J., S. Murray, K. F. Gaines, J. M. Novak, T. Punshon, C. Dixon and M. Gochfeld 2006. Element levels in snakes in South Carolina: differences between a control site and exposed site on the Savannah River Site. *Environmental Monitoring and Assessment* 112:35-52.
- 2942 Winne, C. T., J. D. Willson, K. M. Andrews and R. N. Reed 2006. Efficacy of marking snakes with disposable medical cautery units. *Herpetological Review* 37:52-54.
- 2943 Fedewa, L. A. 2006. Fluctuating gram-negative microflora in developing anurans. *Society for the Study of Amphibians and Reptiles* 40:131-135.
- 2944 Knox, A. S., J. D. Knox, D. C. Adriano and K. S. Sajwan 2006. Influence of coal combustion flue gas desulfurization waste on element uptake by Maize (*Zea Mays L.*). p. 184-189. In Coal Combustion Byproducts and Environmental Issues, edited by, K.S. Sajwan, I. Twardowska, T. Punshon and A.K. Alva., Springer, New York, NY, USA.
- 2945 Wilson, C., R. L. Brigmon, A. Knox, J. Seaman and G. Smith 2006. Effects of microbial and phosphate amendments on the bioavailability of lead (Pb) in shooting range soil. *Bulletin of Environmental Contamination and Toxicology* 76:392-399.
- 2946 Sajwan, K. S., T. Punshon and J. C. Seaman 2006. Production of coal combustion products and their potential uses. p. 3-8. In Coal Combustion Byproducts and Environmental Issues, edited by K. S. Sajwan, I. Twardowska, T. Punshon and A. K. Alva. Springer, New York, NY, USA.
- 2947 Punshon, T., B. P. Jackson, J. C. Seaman, D. C. Adriano and J. Burger 2006. Arsenic and selenium speciation in aged flue gas desulfurization amended soil. p. 114-123. In Coal Combustion Byproducts and Environmental Issues, edited by K. S. Sajwan, I. Twardowska, T. Punshon and A. K. Alva. Springer, New York, NY, USA.
- 2948 Hutchison, J. M., J. C. Seaman, B. P. Jackson and S. A. Aburime 2006. Solute leaching from fly ash amended soil under varying degrees of saturation. p. 34-141. In Coal Combustion Byproducts and Environmental Issues, edited by K. S. Sajwan, I. Twardowska, T. Punshon and A. K. Alva. Springer, New York, NY, USA.
- 2949 Maharaj, S., C. Barton, Bon-Jun Koo and L. Newman 2006. Phytoavailability of trace elements from a landfill containing coal combustion waste. p. 195-201. In Coal Combustion Byproducts and Environmental Issues, edited by K. S. Sajwan, I. Twardowska, T. Punshon and A. K. Alva. Springer, New York, NY, USA.

- 2950 Koo, Bon-Jun., C. Barton and D. Adriano 2006. Evaluation of Bahiagrass (*Paspalum notatum*) as a vegetative cover for a landfill containing coal combustion waste. p. 225-231. In Coal Combustion Byproducts and Environmental Issues, edited by K. S. Sajwan, I. Twardowska, T. Punshon and A. K. Alva. Springer, New York, NY, USA.
- 2951 Gooch, M. M., A. M. Heupel, S. J. Price and M. E. Dorcas 2006. The effects of survey protocol on detection probabilities and site occupancy estimates of summer breeding anurans. *Applied Herpetology* 3:129-142.
- 2952 Kirlin, M. S., M. M. Gooch, S. J. Price and M. E. Dorcas 2006. Predictors of winter anuran calling activity in the North Carolina piedmont. *Journal of the North Carolina Academy of Science* 122:10-18.
- 2953 Hepp, G. R., R. A. Kenamer and M. H. Johnson 2006. Maternal effects in wood ducks: incubation temperature influences incubation period and neonate phenotype. *Functional Ecology* 20:307-314.
- 2954 Andrews, K. M. and J. W. Gibbons 2006. Dissimilarities in behavioral responses of snakes to roads and vehicles have implications for differential impacts across species. p. 339-350. In International Conference on Ecology and Transportation, edited by C.L. Irwin, P. Garrett and K. P. McDermott. Center for Transportation and the Environment, North Carolina State University, Raleigh, NC.
- 2955 Andrews, K. M. 2003. Behavioral responses of snakes to road encounters: can we generalize impacts across species? (A preliminary overview). p. 649-651. In International Conference on Ecology and Transportation, edited by C.L. Irwin, P. Garrett and K. P. McDermott. Center for Transportation and the Environment, North Carolina State University, Raleigh, NC.
- 2956 Zhao, D., B. Borders, M. Wilson and S. L. Rathbun 2006. Modeling neighborhood effects on the growth and survival of individual trees in a natural temperate species-rich forest. *Ecological Modelling* 196:90-102.
- 2957 Taylor, B. E., D. E. Scott and J. W. Gibbons 2006. Catastrophic reproductive failure, terrestrial survival, and persistence of the marbled salamander. *Conservation Biology* 20:792-801.
- 2958 Zhang, C. L., A. Pearson, Y. Li, G. Mills and J. Wiegel 2006. Thermophilic temperature optimum for crenarchaeol synthesis and its implication for archaeal evolution. *Applied and Environmental Microbiology* 72:4419-4422.
- 2959 Rebel, K. T., S. J. Riha, J. C. Seaman and C. D. Barton 2005. The use of dynamic modeling in assessing tritium phytoremediation. *Environmental Geosciences* 12:243-250.

- 2960 Todd, B. D. and C. T. Winne 2006. Ontogenetic and interspecific variation in timing of movement and responses to climatic factors during migrations by pond-breeding amphibians. *Canadian Journal of Zoology* 84:715-722.
- 2961 Unrine, J. M., B. P. Jackson, W. A. Hopkins and C. S. Romanek 2006. Isolation and partial characterization of proteins involved in maternal transfer of selenium in the western fence lizard (*Sceloporus occidentalis*). *Environmental Toxicology and Chemistry* 25:1864-1867.
- 2962 Keim, R. F., J. L. Chambers, M. S. Hughes, J. A. Nyman, C. A. Miller, J. B. Amos, W. H. Conner, S. P. Faulkner, S. L. King, J. W. Day, Jr., E. S. Gardiner, K. W. McLeod and G. P. Shaffer 2006. Ecological consequences of changing hydrological conditions in wetland forests of coastal Louisiana. p. 383-396. In Coastal Environment and Water Quality, edited by Y. J. Xu and V. P. Singh, LLC, Highlands Ranch, CO.
- 2963 McLeod, K. W., M. R. Reed, B.P. Moyer, and T. G. Ciravolo 2006. Species selection trials and silvicultural techniques for the restoration of bottomland hardwood forests—A 10 year review. p. 256-260. In Proceedings of the 13th Biennial Southern Silvicultural Research Conference, edited by K. F. Connor, Gen. Tech. Rep. SRS-92. February 28-March 4, 2005, Memphis, TN, USDA Forest Service, Southern Research Station.
- 2964 Keim, R. F., J. L. Chambers, M. S. Hughes, E. S. Gardiner, W. H. Conner, J. W. Day, Jr., S. P. Faulkner, K. W. McLeod, C. A. Miller, J. A. Nyman, G. P. Shaffer and L. D. Dimov 2006. Long-term success of stump sprout regeneration in baldcypress. p. 559-563. In Proceedings of the 13th Biennial Southern Silvicultural Research Conference, edited by K. F. Connor, Gen. Tech. Rep. SRS-92. February 28-March 4, 2005, Memphis, TN, USDA Forest Service, Southern Research Station.
- 2965 He, Z., C. W. Honeycutt, T. Zhang and P.M. Bertsch 2006. Preparation and FT-IR characterization of metal phytate compounds. *Journal of Environmental Quality* 35:1319-1328.
- 2966 Kornilev, Y. V., S. J. Price and M. E. Dorcas 2006. Between a rock and a hard place: responses of eastern box turtles (*Terrapene carolina*) when trapped between railroad tracks. *Herpetological Review* 37:145-148.
- 2967 Luhring, T. M. and C. A. Young 2006. Innovative techniques for sampling stream-inhabiting salamanders. *Herpetological Review* 37:181-183.
- 2968 Steen, D. A., M. J. Aresco, S. G. Beilke, B. W. Compton, E. P. Condon, C. K. Dodd, Jr., H. Forrester, J. W. Gibbons, J. L. Greene, G. Johnson, T. A. Langen, M. J. Oldham, D. N. Oxier, R. A. Saumure, F. W. Schueler, J. M. Sleeman, L. L.

- Smith, J. K. Tucker and J. P. Gibbs 2006. Relative vulnerability of female turtles to road mortality. *Animal Conservation* 9:269-273.
- 2969 Rice, A. N., T. L. Roberts, IV and M. E. Dorcas 2006. Heating and cooling rates of eastern diamondback rattlesnakes, *Crotalus adamanteus*. *Journal of Thermal Biology* 31:501-505
- 2970 Tsyusko, O. V., M. H. Smith, T. K. Oleksyk, J. Goryanaya and T. C. Glenn 2006. Genetics of cattails in radioactively contaminated areas around Chernobyl. *Molecular Ecology* 15:2611-2625.
- 2971 Chambers, J. L., R. F. Keim, W. H. Conner, J. W. Day, Jr., S. P. Faulkner, E. S. Gardiner, M. S. Hughes, S. L. King, K. W. McLeod, C. A. Miller, J. A. Nyman and G. P. Shaffer 2005. Conservation of Louisiana's coastal wetland forests. p.117-135. In Proceedings of Louisiana Natural Resources Symposium, edited by T.F. Shupe and M.A. Dunn. July 18-20, 2005 Lod Cook Conference Center and Hotel, Baton Rouge, LA.
- 2972 Roe, J. H., W. A. Hopkins, S. E. DuRant and J. M. Unrine 2006. Effects of competition and coal-combustion wastes on recruitment and life history characteristics of salamanders in temporary wetlands. *Aquatic Toxicology* 79:176-184.
- 2973 Baker, C. A., M. S. Wright, R. Stepanauskas and J V McArthur 2006. Co-selection of antibiotic and metal resistance. *Trends in Microbiology* 14:176-182.
- 2974 Chambers, J. L., W. H. Conner, R. F. Keim, S. P. Faulkner, J. W. Day, Jr., E. S. Gardiner, M. S. Hughes, S. L. King, K. W. McLeod, C. A. Miller, J. A. Nyman and G. P. Shaffer 2006. Towards sustainable management of Louisiana's coastal wetland forests: problems, constraints, and a new beginning. p. 159-157. In Proceedings of Hydrology and Management of Forested Wetlands. April 8-12, 2006. ASABE Publication Number 701PO406.
- 2975 Hinton, T. G., D. I. Kaplan, A. Knox, D. P. Coughlin, R. V. Nascimento, S. I. Watson, D. E. Fletcher and Bon-Jun Koo 2006. Use of Illite clay for in situ remediation of ¹³⁷Cs-contaminated water bodies: field demonstration of reduced biological uptake. *Environmental Science Technology* 40:4500-4505.
- 2976 Rothermel, B. B. and R. D. Semlitsch 2006. Consequences of forest fragmentation for juvenile survival in spotted (*Ambystoma maculatum*) and marbled (*Ambystoma opacum*) salamanders. *Canadian Journal for Zoology* 84:797-807.
- 2977 De Steven, D., R. R. Sharitz, J.H. Singer, and C.D. Barton 2006. Testing a passive revegetation approach for restoring coastal plain depression wetlands. *Restoration Ecology* 14: 452-460.

- 2978 Budischak, S. A., J. M. Hester, S. J. Price and M. E. Dorcas 2006. Natural history of *Terrapene carolina* (box turtles) in an urbanized landscape. *Southeastern Naturalist* 5:191-204.
- 2979 Fletcher, D. E., W. A. Hopkins, T. Saldana, J. A. Baionno, C. Arribas, M. M. Standora and C. Fernández-Delgado 2006. Geckos as indicators of mining pollution. *Environmental Toxicology and Chemistry* 25:2432-2445.
- 2980 Apkarian, R. P., S. A. Shamsi, S. A. Rizvi, G. Benian, A. L. Neal, J. V. Taylor and S. N. Dublin 2006. Cryoetch And Cryo-planing For Low Temperature HRSEM: SE-I Imaging Of Hydrated Multicellular, Microbial And Bioorganic Systems. *Microscopy Microanalysis* 12 Supp 2: 1120 CD.
- 2981 Sharitz, R. R., C. Barton and D. De Steven 2006. Tree Plantings in Depression Wetland Restorations Show Mixed Success (South Carolina). *Ecological Restoration* 24:114-155.
- 2982 Gibbons, J. W., C. T. Winne, D. E. Scott, J. D. Willson, X. Glaudas, K. M. Andrews, B. D. Todd, L. A. Fedewa, L. Wilkinson, R. N. Tsaliagos, S. J. Harper, J. L. Greene, T. D. Tuberville, B. S. Metts, M. E. Dorcas, J. P. Nestor, C. A. Young, T. Akre, R. N. Reed, K. A. Buhlmann, J. Norman, D. A. Croshaw, C. Hagen and B. B. Rothermel 2006. Remarkable Amphibian Biomass and Abundance in an Isolated Wetland: Implications for Wetland Conservation. *Conservation Biology* 20: 1457-1465.
- 2983 Allen, B. P., R. R. Sharitz and P. C. Goebel 2005. Twelve years post-hurricane liana dynamics in an old-growth southeastern floodplain forest. *Forest Ecology and Management* 218: 259-269.
- 2984 Hopkins, W. A. and C. T. Winne 2006. Influence of body size on swimming performance of four species of neonatal natricine snakes acutely exposed to a cholinesterase-inhibiting pesticide. *Environmental Toxicology and Chemistry* 25:1208-1213.
- 2985 Winne, C. T., J. D. Willson and J. W. Gibbons 2006. Income breeding allows an aquatic snake *Seminatrix pygaea* to reproduce normally following prolonged drought-induced aestivation. *Journal of Animal Ecology* 75:1352-1360.
- 2986 Stepanauskas, R., T. C. Glenn, C. H. Jagoe, R. C. Tuckfield, A. H. Lindell, J. K. King and J. V. McArthur 2006. Coselection for microbial resistance to metals and antibiotics in freshwater microcosms. *Environmental Microbiology* 8:1510-1514.
- 2987 Croshaw, D. A. and D. E. Scott 2006. Marbled salamanders (*Ambystoma opacum*) choose low elevation nest sites when cover availability is controlled. *Amphibia-Reptilia* 27:359-364.

- 2988 Meshaka, W. E. and J. W. Gibbons 2006. Kinosternon subrubrum - Eastern Mud Turtle. Chelonian Research Monographs 3:189-196.
- 2989 Fokidis, H. B., C. Robertson and T. S. Risch 2006. Keeping Tabs: Are Redundant Marking Systems Needed for Rodents? Wildlife Society Bulletin 34:764-771.
- 2990 Waldron, J. L., S. H. Bennett, S. M. Welch, M. E. Dorcas, J. D. Lanham and W. Kalinowsky 2006. Habitat specificity and home-range size as attributes of species vulnerability to extinction: a case study using sympatric rattlesnakes. Animal Conservation 9:414-420.
- 2991 Carrillo-Gonzalez, R., J. Simunek, S. Sauve, and D. Adriano 2006. Mechanisms and Pathways of Trace Element Mobility in Soils. Advances in Agronomy 91:111-178.
- 2992 Winne, C. T. and W. A. Hopkins 2006. Influence of sex and reproductive condition on terrestrial and aquatic locomotor performance in the semi-aquatic snake Seminatrix pygaea. Functional Ecology 20:1054-1061.
- 2993 Zhao, W., C. S. Romanek, G. Mills, J. Wiegel, and C. L. Zhang 2005. Geochemistry and Microbiology of Hot Springs in Kamchatka, Russia. Geological Journal of China Universities 11:217-223.
- 2994 Lee, Y. J., I. D. Wagner, M. E. Brice, V. V. Kevbrin, G. Mills, C. S. Romanek, and J. Wiegel 2005. Thermosediminibacter oceani gen. nov., sp. nov. and Thermosediminibacter litoriperuensis sp. nov., new anaerobic thermophilic bacteria isolated from Peru Margin. Extremophiles 9:375-383.
- 2995 Novak, J. M., K. F. Gaines, J. C. Cumbee, G. Mills, A. Rodriguez-Navarro, and C. S. Romanek 2005. The Clapper Rail as an Indicator Species of Estuarine-Marsh Health. Studies in Avian Biology 32:270-281.
- 2996 Lee, Y. J., C. S. Romanek, G. Mills, R. C. Davis, W. B. Whitman, and J. Wiegel 2006. Gracilibacter thermotolerans gen. nov., sp. nov., an anaerobic, thermotolerant bacterium from a constructed wetland receiving acid sulfate water. International Journal of Systematic and Evolutionary Microbiology 56:2089-2093.
- 2997 Viamajala, S., W. A. Smith, R. K. Sani, W. A. Apel, J. N. Petersen, A. L. Neal, F. F. Roberto, D. T. Newby, and B. M. Peyton 2007. Isolation and characterization of Cr(VI) reducing Cellulomonas spp. from subsurface soils: Implications for long-term chromate reduction. Bioresource Technology 98:612-622.

- 2998 Neal, A. L., S. N. Dublin, J. Taylor, D. J. Bates, J. L. Burns, R. P. Apkarian, and T. J. DiChristina 2007. Terminal Electron Acceptors Influence the Quantity and Chemical Composition of Capsular Exopolymers Produced by Anaerobically Growing *Shewanella* spp. *Biomacromolecules* 8:166-174.
- 2999 Dopson, M., C. Baker-Austin, and P. Bond 2007. Towards determining details of anaerobic growth coupled to ferric iron reduction by the acidophilic archaeon '*Ferroplasma acidarmanus*' Fer1. *Extremophiles* 11:159-168.
- 3000 Tsyusko, O., Y. Yi, D. Coughlin, D. Main, T. G. Hinton, and T. C. Glenn 2007. Radiation-induced untargeted germline mutations in Japanese medaka. *Comparative Biogeochemistry and Physiology (Part C: Toxicology and Pharmacology)* 145:103-110.
- 3001 Jackson, B. P., W. A. Hopkins, J. Unrine, J. Baionno, and T. Punshon. 2005. Selenium speciation in amphibian larvae developing in a coal fly ash settling basin. In, *Plasma source mass spectrometry, current trends and future developments*. J. G. Holland and D. R. Bandura. The Royal Society of Chemistry, Cambridge, UK. 225-234.
- 3002 Baughman, B. and B. D. Todd 2007. Role of Substrate Cues in Habitat Selection by Recently Metamorphosed *Bufo terrestris* and *Scaphiopus holbrookii*. *Journal of Herpetology* 41:154-157.
- 3003 Peles, J. D., T. C. Glenn, H. A. Brant, A. K. Wall, and C. H. Jago 2006. Mercury concentrations in largemouth bass (*Micropterus salmoides*) from five South Carolina reservoirs. *Water, Air, and Soil Pollution* 173:151-162.
- 3004 Price, S. J., M. E. Dorcas, A. L. Gallant, R. W. Klaver, and J. D. Willson 2006. Three decades of urbanization: Estimating the impact of land-cover change on stream salamander populations. *Biological Conservation* 133:436-441.
- 3005 Todd, B. D. and B. B. Rothermel 2006. Assessing quality of clearcut habitats for amphibians: Effects on abundances versus vital rates in the southern toad (*Bufo terrestris*). *Biological Conservation* 133:178-185.
- 3006 Collins, B., R. Sharitz, K. Madden, and J. Dilustro 2006. Comparison of sandhills and mixed pine hardwood communities at Fort Benning, Georgia. *Southeastern Naturalist* 5:93-102.
- 3007 Collins, B. S., P. R. Minchin, J. Dilustro, and L. Duncan 2006. Land use effects on groundlayer composition and regeneration of mixed pine hardwood forests in the Fall Line Sandhills, S.E. USA. *Forest Ecology and Management* 226:181-188.
- 3008 Willson, J. D., C. T. Winne, M. E. Dorcas, and J. W. Gibbons 2006. Post-drought responses of semi-aquatic snakes inhabiting an isolated wetland: Insights on different strategies for persistence in a dynamic habitat. *Wetlands* 26:1071-1078.

- 3009 Powell, B. A., M. C. Duff, D. I. Kaplan, R. A. Field, M. Newville, D. B. Hunter, P. M. Bertsch, J. T. Coates, P. Eng, M. L. Rivers, S. M. Serkiz, S. R. Sutton, I. R. Triay, and D. T. Vaniman 2006. Plutonium Oxidation and Subsequent Reduction by Mn(IV) Minerals in Yucca Mountain Tuff. *Environmental Science and Technology* 40:3508-3514.
- 3010 Glaudas, X., K. M. Andrews, J. D. Willson, and J. W. Gibbons 2007. Migration patterns in a population of cottonmouths (*Agkistrodon piscivorus*) inhabiting an isolated wetland. *Journal of Zoology* 271:119-124.
- 3011 Coyle, D. R., M. D. Coleman, J. A. Durant, and L. A. Newman 2006. Survival and growth of 31 *Populus* clones in South Carolina. *Biomass and Bioenergy* 30:750-758.
- 3012 Coyle, D. R., M. D. Coleman, J. A. Durant, and L. A. Newman 2006. Multiple factors affect pest and pathogen damage on 31 *Populus* clones in South Carolina. *Biomass and Bioenergy* 30:759-768.
- 3013 Cooper, W. E. and R. A. Anderson 2006. Adjusting prey handling times and methods affects profitability in the broad-headed skink (*Eumeces laticeps*). *Herpetologica* 62:356-365.
- 3014 Dilustro, J., B. S. Collins, and L. Duncan 2006. Land use history effects in mixed pine - hardwood forests at Fort Benning. *Journal of the Torrey Botanical Society* 133:460-467.
- 3015 Jackson, B. P., J. C. Seaman, and P. M. Bertsch 2006. Fate of arsenic compounds in poultry litter upon land application. *Chemosphere* 65:2028-2034.
- 3016 Mastretta, C., T. Barac, J. Vangronsveld, L. Newman, S. Taghavi, and D. van der Lelie 2006. Endophytic Bacteria and their Potential Application to Improve the Phytoremediation of Contaminated Environments. *Biotechnology and Genetic Engineering Reviews* 23:175-207.
- 3017 Cea, M., J. C. Seaman, A. A. Jara, B. Fuentes, M. L. Mora, and M. C. Diez 2007. Adsorption behavior of 2,4-dichlorophenol and pentachlorophenol in an allophanic soil. *Chemosphere* 67:1354-1360.
- 3018 Gist, D. H., S. Bradshaw, C. M. K. Morrow, J. D. Congdon, and R. A. Hess 2007. Estrogen response system in the reproductive tract of the male turtle: An immunocytochemical study. *General and Comparative Endocrinology* 151:27-33.
- 3019 Young, A. S., S. Chang, and R. R. Sharitz 2007. Reproductive ecology of a federally endangered legume, *Baptisia arachnifera*, and its more widespread congener, *B. lanceolata* (Fabaceae). *American Journal of Botany* 94:228-236.

- 3020 Van Nostrand, J. D., T. J. Khijniak, B. Neely, M. A. Sattar, A. G. Sowder, G. Mills, P. M. Bertsch, and P. J. Morris 2007. Reduction of Nickel and Uranium Toxicity and Enhanced Trichloroethylene Degradation to *Burkholderia vietnamiensis* PR1₃₀₁ with Hydroxyapatite Amendment. *Environmental Science and Technology* 41:1877-1882.
- 3021 Allen, B. P., R. R. Sharitz, and P. C. Goebel 2007. Are lianas increasing in importance in temperate floodplain forests in the southeastern United States? *Forest Ecology and Management* 242:17-23.
- 3022 Seaman, J. C., F. Majs, J. Singer, S. Aburime, S. O. Dennis, M. Wilson, and P. M. Bertsch 2007. Analysis of tracer migration in a diverging radial flow field. 7.4.2:1-4. Proceedings of the 2007 Georgia Water Resources Conference, Athens, Georgia, The University of Georgia.
- 3023 Singer, J. H., J. C. Seaman, S. A. Aburime, J. Harris, and D. Karapatakis 2007. An improved technique for soil solution sampling in the vadose zone utilizing real-time data. 7.4.3:1-4. Proceedings of the 2007 Georgia Water Resources Conference, Athens, Georgia, The University of Georgia.
- 3024 Majs, F. and J. C. Seaman 2007. Longitudinal dispersion and tracer migration in a radial flow field. 8.6:1-5. Proceedings of the 2007 Georgia Water Resources Conference, Athens, Georgia, The University of Georgia.
- 3025 Baker-Austin, C. and M. Dopson 2007. Life in acid: pH homeostasis in acidophiles. *TRENDS in Microbiology* 15:165-171.
- 3026 Zhao, D., B. Allen, and R. R. Sharitz 2006. Twelve-year response of old-growth southeastern bottomland hardwood forests to disturbance from Hurricane Hugo. *Canadian Journal of Forest Research* 36:3136-3147.
- 3027 Lee, Y. J., C. S. Romanek, and J. Wiegel 2007. *Clostridium aciditolerans* sp. nov., an acid-tolerant spore-forming anaerobic bacterium from constructed wetland sediment. *International Journal of Systematic and Evolutionary Microbiology* 57:311-315.
- 3028 McArthur, J. and G. L. Mills 2007. Detrital lipid dynamics in a blackwater stream: comparison of fast and slow decomposing leaves. *Fundamental and Applied Limnology* 168:137-143.
- 3029 Thompson, S. A., E. V. Maani, A. H. Lindell, C. J. King, and J. McArthur 2007. Novel Tetracycline Resistance Determinant Isolated from an Environmental Strain of *Serratia marcescens*. *Applied and Environmental Microbiology* 73:2199-2206.

- 3030 Cecala, K. K., S. J. Price, and M. E. Dorcas 2007. A Comparison of the Effectiveness of Recommended Doses of MS-222 (tricaine methanesulfonate) and Orajel® (benzocaine) for Amphibian Anesthesia. *Herpetological Review* 38:63-66.
- 3031 McLeod, K. W. and T. G. Ciravolo 2007. Cobalt uptake by *Nyssa aquatica*, *N. sylvatica* var. *bioflora*, and *Taxodium distichum* seedlings. *Wetlands* 27:40-43.
- 3032 Dueck, L. A. and K. M. Cameron 2007. Sequencing re-defines *Spiranthes* relationships, with implications for rare and endangered taxa. *Lankesteriana* 7:190-195.
- 3033 Van Nostrand, J. D., T. V. Khijniak, T. J. Gentry, M. T. Novak, A. G. Sowder, J. Z. Zhou, P. M. Bertsch, and P. J. Morris 2007. Isolation and Characterization of Four Gram-Positive Nickel-Tolerant Microorganisms from Contaminated Sediments. *Microbial Ecology* 53:670-682.
- 3034 Unrine, J. M., B. P. Jackson, and W. A. Hopkins 2007. Selenomethionine Biotransformation and Incorporation into Proteins along a Simulated Terrestrial Food Chain. *Environmental Science and Technology* 41:3601-3606.
- 3035 Dorcas, M. E., J. D. Willson, and J. W. Gibbons 2007. Crab trapping causes population decline and demographic changes in diamondback terrapins over two decades. *Biological Conservation* 137:334-340.
- 3036 Baker-Austin, C., M. Dopson, M. Wexler, R. G. Sawers, A. Stemmler, B. P. Rosen, and P. L. Bond 2007. Extreme arsenic resistance by the acidophilic archaeon '*Ferroplasma acidarmanus*' Fer1. *Extremophiles* 11:425-434.
- 3037 Fokidis, H. B., T. S. Risch, and T. C. Glenn 2007. Reproductive and resource benefits to large female body size in a mammal with female-biased sexual size dimorphism. *Animal Behavior* 73:479-488.
- 3038 Seaman, J. C., B. B. Looney, and M. K. Harris 2007. Research in Support of Remediation Activities at the Savannah River Site. *Vadose Zone Journal* 6:316-326.
- 3039 Seaman, J. C., P. M. Bertsch, and D. I. Kaplan 2007. Spatial and Temporal Variability in Colloid Dispersion as a Function of Groundwater Injection Rate within Atlantic Coastal Plain Sediments. *Vadose Zone Journal* 6:363-372.
- 3040 Seaman, J. C., P. M. Bertsch, M. Wilson, J. Singer, F. Majs, and S. A. Aburime 2007. Tracer Migration in a Radially Divergent Flow Field: Longitudinal Dispersivity and Anionic Tracer Retardation. *Vadose Zone Journal* 6:373-386.

- 3041 Glaudas, X. and C. T. Winne 2007. Do warning displays predict striking behavior in a viperid snake, the cottonmouth (*Agkistrodon piscivorus*)? *Canadian Journal of Zoology* 85:574-578.
- 3042 Katsenovich, Y., Z. Öztürk, M. Allen, and G. R. Wein 2007. Evaluation of Soil Solid Amendments for TCE Biodegradation in a Biobarrier System. *Remediation Summer* 2007:67-80.
- 3043 Kelly, N. E., D. W. Sparks, T. L. DeVault, and O. E. Rhodes Jr. 2007. Diet of Black and Turkey Vultures in a Forested Landscape. *The Wilson Journal of Ornithology* 119(2):267-270.
- 3044 Graeter, G. J. and B. B. Rothermel 2007. The Effectiveness of Fluorescent Powdered Pigments as a Tracking Technique for Amphibians. *Herpetological Review* 38(2):162-166.
- 3045 Peterson, J. D., M. B. Wood, W. A. Hopkins, J. M. Unrine, and M. T. Mendonça 2007. Prevalence of *Batrachochytrium dendrobatidis* in American Bullfrog and Southern Leopard Frog Larvae from Wetlands on the Savannah River Site, South Carolina. *Journal of Wildlife Diseases* 43(3):450-460.
- 3046 Scott, D. E., E. D. Casey, M. F. Donovan, and T. K. Lynch 2007. Amphibian lipid levels at metamorphosis correlate to post-metamorphic terrestrial survival. *Oecologia* 153:521-532.
- 3047 Unrine, J. M., W. A. Hopkins, C. S. Romanek, and B. P. Jackson 2007. Bioaccumulation of trace elements in omnivorous amphibian larvae: Implications for amphibian health and contaminant transport. *Environmental Pollution* 149:182-192.
- 3048 Winne, C. T., J. D. Willson, B. D. Todd, K. M. Andrews, and J. W. Gibbons 2007. Enigmatic Decline of a Protected Population of Eastern Kingsnakes, *Lampropeltis getula*, in South Carolina. *Copeia* 2007(3):507-519.
- 3049 Todd, B. D. 2007. Parasites Lost? An Overlooked Hypothesis for the Evolution of Alternative Reproductive Strategies in Amphibians. *The American Naturalist* 170(5):793-799.
- 3050 Hopkins, W. A., L. B. Hopkins, J. M. Unrine, J. Snodgrass, and J. D. Elliott 2007. Mercury Concentrations in Tissues of Osprey from the Carolinas, USA. *Journal of Wildlife Management* 71(6):1819-1829.
- 3051 Harden, L. A., N. A. Diluzio, J. W. Gibbons, and M. E. Dorcas 2007. Spatial and Thermal Ecology of Diamondback Terrapins (*Malaclemys terrapin*) in a South Carolina Salt Marsh. *Journal of the North Carolina Academy of Science* 123(3): 154-162.

- 3052 Todd, B. D. and A. K. Davis 2007. Sexual dichromatism in the marbled salamander, *Ambystoma opacum*. Canadian Journal for Zoology 85(9):1008-1013.
- 3053 Pittman, S. E. and M. E. Dorcas 2006. Catawba River Corridor Coverboard Program: A Citizen Science Approach to Amphibian and Reptile Inventory. Journal of the North Carolina Academy of Science 122(4):142-151.
- 3054 Todd, B. D., C. T. Winne, J. D. Willson, and J. W. Gibbons 2007. Getting the Drift: Examining the Effects of Timing, Trap Type and Taxon on Herpetofaunal Drift Fence Surveys. The American Midland Naturalist 158: 292-305.
- 3055 Brisbin, I. L., Jr. and A. T. Peterson 2007. Playing chicken with red junglefowl: identifying phenotypic markers of genetic purity in *Gallus gallus*. Animal Conservation 10(2007): 429-435.
- 3056 De Steven, D. and R. R. Sharitz 2007. Transplanting Native Dominant Plants to Facilitate Community Development in Restored Coastal Plain Wetlands. Wetlands 27(4): 972-978.
- 3057 Luhring, T. M. 2007. Reptiles and Amphibians of Boy Scout Camp Linwood-Hayne: Results from an Undergraduate-Initiated Three Year Opportunistic Inventory. Georgia Journal of Science 65: 104-111.
- 3058 Luhring, T. M. 2007. *Siren lacertina* (Greater Siren). Diet. Herpetological Review 38(3): 317.
- 3059 Landman, G. B., R. K. Kolka, and R. R. Sharitz. 2007. Soil Seed Bank Analysis of Planted and Naturally Revegetating Thermally-Disturbed Riparian Wetland Forests. Wetlands 27(2): 211-223.
- 3060 Graeter, G. J., B. B. Rothermel, and J. W. Gibbons. 2008. Habitat Selection and Movement of Pond-Breeding Amphibians in Experimentally Fragmented Pine Forests. Journal of Wildlife Management 72(2): 473-482.
- 3061 Balbach, H., R. Sharitz, D. W. Imm, T. D. Tuberville, and G. R. Wein. 2007. Strategy for *in situ* conservation of at-risk and declining sandhills species. 3rd Global Botanic Gardens Congress, Conservation International, Surrey, UK.
- 3062 Koler-Matznick, J., B. C. Yates, S. Bulmer, and I. L. Brisbin, Jr. 2007. The New Guinea Singing Dog: Its Status and Scientific Importance. Australian Mammalogy 29: 47-56.
- 3063 Linkous, D. H., J. M. Flinn, J. Y. Koh, A. Lanzirrotti, P. M. Bertsch, B. F. Jones, L. J. Giblin, and C. J. Frederickson. 2008. Evidence That the ZNT3 Protein

- Controls the Total Amount of Elemental Zinc in Synaptic Vesicles. *Journal of Histochemistry and Cytochemistry* 56(1): 3-6.
- 3064 Todd, B. D., B. B. Rothermel, R. N. Reed, T. M. Luhring, K. Schlatter, L. Trenkamp, and J. W. Gibbons. 2008. Habitat alteration increases invasive fire ant abundance to the detriment of amphibians and reptiles. *Biological Invasions* (2008)10: 539-546.
- 3065 Hinton, T. G., R. Alexakhin, M. Balonov, N. Gentner, J. Hendry, B. Prister, P. Strand, and D. Woodhead. 2007. Radiation induced effects on plants and animals: findings of the United Nations Chernobyl Forum. *Health Physics* 93(5): 427-440.
- 3066 Todd, B. D., J. D. Willson, C. T. Winne, and J. W. Gibbons. 2008. Aspects of the Ecology of the Earth Snakes (*Virginia valeriae* and *V. striatula*) in the Upper Coastal Plain. *Southeastern Naturalist* 7(2): 349-358.
- 3067 Luhring, T. M. 2008. "Problem Species" of the Savannah River Site, Such as Brimley's Chorus Frog (*Pseudacris brimleyi*), Demonstrate the Hidden Biodiversity Concept on an Intensively Studied Government Reserve. *Southeastern Naturalist Notes* 7(2): 371-373.
- 3068 Willson, J. D., C. T. Winne, and M. B. Keck. 2008. Empirical Tests of Biased Body Size Distributions in Aquatic Snake Captures. *Copeia* 2008(2): 401-408.
- 3069 Todd, B. D., J. D. Willson, C. T. Winne, R. D. Semlitsch, and J. W. Gibbons. 2008. Ecology of the Southeastern Crowned Snake, *Tantilla coronata*. *Copeia* 2008(2): 388-394.
- 3070 Cumbee, J. C., Jr., K. F. Gaines, G. L. Mills, N. Garvin, W. L. Stephens, Jr., J. M. Novak, and I. L. Brisbin, Jr. 2008. Clapper rails as indicators of mercury and PCB bioavailability in a Georgia saltmarsh system. *Ecotoxicology* (2008)17: 485-494.
- 3071 Bryan, A. L., Jr., W. B. Brooks, J. D. Taylor, D. M. Richardson, C. W. Jeske, and I. L. Brisbin, Jr. 2008. Satellite Tracking Large-scale Movements of Wood Storks Captured in the Gulf Coast Region. *Waterbirds* 31 (Special Publication 1): 35-41.
- 3072 Crawford, N. G., J. Zaldivar-Rae, C. Hagen, A. Schable, E. B. Rosenblum, J. A. Graves, T. W. Reeder, M. G. Ritchie, and T. C. Glenn. 2008. Thirteen polymorphic microsatellite DNA loci from whiptails of the genus *Aspidoscelis* (Teiidae: Squamata) and related cnemidophorine lizards. *Molecular Ecology Resources* 2008(8): 219-223.
- 3073 Crispo, E., C. Hagen, T. C. Glenn, G. Geneau, and L. J. Chapman. 2007. Isolation and characterization of tetranucleotide microsatellite markers in a mouth-brooding haplochromine cichlid fish (*Pseudocrenilabrus multicolor victoriae*) from Uganda. *Molecular Ecology Notes* 2007(7): 1293-1295.

- 3074 Peters, M. B., J. L. Glenn, P. Svete, C. Hagen, O. V. Tsyusko, P. Decoursey, M. Lieutenant-Gosselin, D. Garant, and T. C. Glenn. 2007. Development and characterization of microsatellite loci in the eastern chipmunk (*Tamias striatus*). *Molecular Ecology Notes* 2007(7): 877-879.
- 3075 Crawford, N. G., C. Hagen, H. F. Sahli, E. A. Stacy, and T. C. Glenn. 2008. Fifteen polymorphic microsatellite DNA loci from Hawaii's *Metrosideros polymorpha* (Myrtaceae: Myrtales), a model species for ecology and evolution. *Molecular Ecology Resources* 2008(8): 308-310.
- 3076 Hill, C. E., S. Tomko, C. Hagen, N. A. Schable, and T. C. Glenn. 2008. Novel microsatellite markers for the saltmarsh sharp-tailed sparrow, *Ammodramus caudacutus* (Aves: Passeriformes). *Molecular Ecology Resources* 2008(8): 113-115.
- 3077 Lutz-Carrillo, D. J., C. Hagen, L. A. Dueck, and T. C. Glenn. 2008. Isolation and characterization of microsatellite loci for Florida largemouth bass, *Micropterus salmoides floridanus*, and other micropterids. *Molecular Ecology Resources* 2008(8): 178-184.
- 3078 Tsyusko, O. V., M. B. Peters, C. Hagen, T. D. Tuberville, T. A. Mousseau, A. P. Moller, and T. C. Glenn. 2007. Microsatellite markers isolated from barn swallows (*Hirundo rustica*). *Molecular Ecology Notes* 2007(7): 833-835.
- 3079 Tsyusko, O. V., M. B. Peters, T. D. Tuberville, C. Hagen, S. M. Eppley, and T. C. Glenn. 2007. Microsatellite markers isolated from saltgrass (*Distichlis spicata*). *Molecular Ecology Notes* 2007(7): 883-885.
- 3080 Duffie, C., T. C. Glenn, C. Hagen, and P. Parker. 2008. Microsatellite markers isolated from the flightless cormorant (*Phalacrocorax harrisi*). *Molecular Ecology Resources* 2008(8): 625-627.
- 3081 Peters, M. B., K. H. Beard, C. Hagen, E. M. O'Neill, K. E. Mock, W. C. Pitts, and T. C. Glenn. 2008. Isolation of microsatellite loci from the coqui frog, *Eleutherodactylus coqui*. *Molecular Ecology Resources* 2008(8): 139-141.
- 3082 Peters, M. B., C. Hagen, D. W. Trapnell, J. L. Hamrick, O. Rocha, P. E. Smouse, and T. C. Glenn. 2008. Isolation and characterization of microsatellite loci in the Guanacaste tree, *Enterolobium cyclocarpum*. *Molecular Ecology Resources* 2008(8): 129-131.
- 3083 Ruiz-Guajardo, J. C., A. Otero-Arnaiz, T. Taylor, G. Stone, T. C. Glenn, N. A. Schable, J. T. Miller, S. Preuss, and A. Schnable. 2007. Isolation of polymorphic microsatellite markers in the sub-Saharan tree, *Acacia (Senegalia) mellifera* (Fabaceae: Mimosoideae). *Molecular Ecology Notes* 2007(7): 1138-1140.

- 3084 Todd, B. D. and K. M. Andrews. 2008. Response of a Reptile Guild to Forest Harvesting. *Conservation Biology* 22(3): 753-761.
- 3085 Tsyusko, O. V., T. D. Tuberville, M. B. Peters, N. G. Crawford, C. Hagen, S. G. Weller, A. K. Sakai, and T. C. Glenn. 2007. Microsatellite markers isolated from polyploid wood-sorrel, *Oxalis alpina* (Oxalidaceae). *Molecular Ecology Notes* 2007(7): 1284-1286.
- 3086 Winn, R. N., A. J. Majeske, C. H. Jagoe, T. C. Glenn, M. H. Smith, and M. B. Norris. 2008. Transgenic λ Medaka as a New Model for Germ Cell Mutagenesis. *Environmental and Molecular Mutagenesis* 2008(49): 173-184.
- 3087 Buhlmann, K. A., J. W. Gibbons, and D. R. Jackson. 2008. *Deirochelys reticularia* (Latreille 1801) - Chicken Turtle. *In: A. G. J. Rhodin, P. C. H. Pritchard, P. P. van Dijk, R. A. Saumure, K. A. Buhlmann, and J. B. Iverson (Eds.). Conservation Biology of Freshwater Turtles and Tortoises: A Compilation Project of the IUCN/SSC Tortoise and Freshwater Turtle Specialist Group. Chelonian Research Monographs 5: 014.1-014.6.*
- 3088 Bolan, N. S., D. C. Adriano, A. Kunhikrishnan, T. James, R. McDowell, and N. Senesi. 2011. Dissolved Organic Matter: Biogeochemistry, Dynamics, and Environmental Significance in Soils. pp. 1-75 *In: D. L. Sparks (Ed.). Advances in Agronomy, Volume 110. Elsevier Inc. Newark, DE.*
- 3089 Gibbons, J. W. 1999. Geographic Distribution. *Nerodia erythrogaster* (Plain-bellied water snake). *Size. Herpetological Review* 30(1): 47.
- 3090 Tuberville, T. D., T. M. Norton, B. D. Todd, and J. S. Spratt. 2008. Long-term apparent survival of translocated gopher tortoises: A comparison of newly released and previously established animals. *Biological Conservation* 141(2008): 2690-2697.
- 3091 Andrews, K. M., J. W. Gibbons, and D. M. Jochimsen. 2008. Ecological Effects of Roads on Amphibians and Reptiles: A Literature Review. *In: J. C. Mitchell, R. E. Jung Brown, and B. Bartholomew (Eds.). Urban Herpetology. Society for the Study of Amphibians and Reptiles. Herpetological Conservation Number 3: 121-143.*
- 3092 Andrews, K. M. and J. W. Gibbons. 2008. Roads as Catalysts of Urbanization: Snakes on Roads Face Differential Impacts Due to Inter- and Intraspecific Ecological Attributes. *In: J. C. Mitchell, R. E. Jung Brown, and B. Bartholomew (Eds.). Urban Herpetology. Society for the Study of Amphibians and Reptiles. Herpetological Conservation Number 3: 145-153.*

- 3093 Scott, D. E., B. S. Metts, and J. W. Gibbons. 2008. Enhancing Amphibian Biodiversity on Golf Courses with Seasonal Wetlands. *In*: J. C. Mitchell, R. E. Jung Brown, and B. Bartholomew (Eds.). *Urban Herpetology*. Society for the Study of Amphibians and Reptiles. *Herpetological Conservation Number 3*: 285-292.
- 3094 Brisbin, I. L., Jr., R. A. Kennamer, E. L. Peters, and D. J. Karapatakis. 2008. A Long-Term Study of Eastern Box Turtles (*Terrapene c. carolina*) in a Suburban Neighborhood: Survival Characteristics and Interactions with Humans and Conspecifics. *In*: J. C. Mitchell, R. E. Jung Brown, and B. Bartholomew (Eds.). *Urban Herpetology*. Society for the Study of Amphibians and Reptiles. *Herpetological Conservation Number 3*: 373-385.
- 3095 Brisbin, I. L., Jr., R. A. Kennamer, and W. L. Stephens, Jr. 2008. Long-Term Population Trends of American Alligators (*Alligator mississippiensis*) in a Man-Made Reservoir: Responses to Environmental Perturbations Arising From Management Activities. *In*: J. C. Mitchell, R. E. Jung Brown, and B. Bartholomew (Eds.). *Urban Herpetology*. Society for the Study of Amphibians and Reptiles. *Herpetological Conservation Number 3*: 519-527.
- 3096 Brisbin, I. L., Jr. and C. E. Dallas. 2008. Radiation Ecology. *In*: S. E. Jorgensen and B. D. Fath (Eds.). *Encyclopedia of Ecology*. Oxford, Elsevier. *Human Ecology Number 4*: 2956-2959.
- 3097 Fletcher, D. E., W. A. Hopkins, M. M. Standora, C. Arribas, J. A. Baionno-Parikh, T. Saldaña, and C. Fernández-Delgado. 2008. Geckos as Indicators of Urban Pollution. *In*: J. C. Mitchell, R. E. Jung Brown, and B. Bartholomew (Eds.). *Urban Herpetology*. Society for the Study of Amphibians and Reptiles. *Herpetological Conservation Number 3*: 225-237.
- 3098 Waldron, J. L., S. M. Welch, and S. H. Bennett. 2008. Vegetation structure and the habitat specificity of a declining North American reptile: A remnant of former landscapes. *Biological Conservation* 141(2008): 2477-2482.
- 3099 Eskew, E. A., J. D. Willson, and C. T. Winne. 2009. Ambush site selection and ontogenetic shifts in foraging strategy in a semi-aquatic pit viper, the Eastern cottonmouth. *Journal of Zoology* 277(2009): 179-186.
- 3100 Todd, B. D., T. M. Luhring, B. B. Rothermel, and J. W. Gibbons. 2009. Effects of forest removal on amphibian migrations: implications for habitat and landscape connectivity. *Journal of Applied Ecology* 46(2009): 554-561.
- 3101 Cecala, K. K., J. W. Gibbons, and M. E. Dorcas. 2009. Ecological effects of major injuries in diamondback terrapins: implications for conservation and management. *Aquatic Conservation: Marine and Freshwater Ecosystems* 19(2009): 421-427.

- 3102 Glenn, J. L. W., C.-F. Chen, A. Lewandowski, C.-H. Cheng, C. M. Ramsdell, R. Bullard-Dillard, J. Chen, M. J. Dewey, and T. C. Glenn. 2008. Expressed sequence tags from *Peromyscus* testis and placenta tissue: Analysis, annotation, and utility for mapping. *BMC Genomics* 9(doi:10.1186/1471-2164-9-300).
- 3103 Pinder, J. E., III, T. G. Hinton, F. W. Whicker, and J. T. Smith. 2009. Cesium accumulation by fish following acute input to lakes: a comparison of experimental and Chernobyl-impacted systems. *Journal of Environmental Radioactivity* 100(2009): 456-467.
- 3104 Battaglia, L. L., B. S. Collins, and R. R. Sharitz. 2004. Do published tolerance ratings and dispersal factors predict species distributions in bottomland hardwoods? *Forest Ecology and Management* 198(2004): 15-30.
- 3105 Battaglia, L. L. and R. R. Sharitz. 2006. Responses of floodplain forest species to spatially condensed gradients: a test of the flood-shade tolerance tradeoff hypothesis. *Oecologia* 147(2006): 108-118.
- 3106 Buhlmann, K. A., J. D. Congdon, J. W. Gibbons, and J. L. Greene. 2009. Ecology of Chicken Turtles (*Deirochelys reticularia*) in a Seasonal Wetland Ecosystem: Exploiting Resource and Refuge Environments. *Herpetologica* 65(1): 39-53.
- 3107 Dorcas, M. E. and J. D. Willson. 2009. Innovative Methods for Studies of Snake Ecology and Conservation. pp. 5-37 *In*: S. J. Mullin and R. A. Seigel (Eds.). *Snakes: Ecology and Conservation*. Cornell University Press, Ithaca, NY.
- 3108 King, S. L., R. R. Sharitz, J. W. Groninger, and L. L. Battaglia. 2009. The Ecology, Restoration, and Management of Southeastern Floodplain Ecosystems: A Synthesis. *Wetlands* 29(2): 624-634.
- 3109 Miles, L. G., S. R. Isberg, C. Moran, C. Hagen, and T. C. Glenn 2009. 253 Novel polymorphic microsatellites for the saltwater crocodile (*Crocodylus porosus*). *Conservation Genetics* 10(2009): 963-980.
- 3110 Semlitsch, R. D., B. S. Metts, and J. L. Greene. 2007. Observations on Emigration and Habitat Use by Eastern Tiger Salamanders, *Ambystoma tigrinum*, in South Carolina. *Herpetological Review* 38(4): 399-402.
- 3111 Harden, L. A., S. E. Pittman, J. W. Gibbons, and M. E. Dorcas. 2009. Development of a rapid-assessment technique for diamondback terrapin (*Malaclemys terrapin*) populations using head-count surveys. *Applied Herpetology* 6(2009): 237-245.
- 3112 Crawford, N. G., M. B. Peters, C. Hagen, T. C. Glenn, S. K. Davis, and C. M. Somers. 2009. Polymorphic microsatellite loci from Sprague's pipit (*Anthus*

- spragueii*), a grassland endemic passerine bird. *Molecular Ecology Resources* 9(2009): 315-317.
- 3113 Hernandez-Divers, S. J., P. Hensel, J. Gladden, S. M. Hernandez-Divers, K. A. Buhlmann, C. Hagen, S. Sanchez, K. S. Latimer, M. Ard, and A. C. Camus. 2009. Investigation of Shell Disease in Map Turtles (*Graptemys* spp.). *Journal of Wildlife Diseases* 45(3): 637-652.
- 3114 Peters, M. B., C. Hagen, B. Snyder, T. C. Glenn, and P. A. Gowaty. 2009. Microsatellite markers isolated from *Drosophila hydei*. *Molecular Ecology Resources* 9(3): 817-819.
- 3115 Francl, K. E., T. C. Glenn, S. B. Castleberry, and W. M. Ford. 2008. Genetic relationships of meadow vole (*Microtus pennsylvanicus*) populations in central Appalachian wetlands. *Canadian Journal of Zoology* 86(2008): 344-355.
- 3116 Hickman, C. R., M. B. Peters, N. G. Crawford, C. Hagen, T. C. Glenn, and C. M. Somers. 2008. Development and characterization of microsatellite loci in the American white pelican (*Pelecanus erythrorhynchos*). *Molecular Ecology Resources* 8(2008): 1439-1441.
- 3117 Miles, L. G., S. L. Lance, S. R. Isberg, C. Moran, and T. C. Glenn. 2009. Cross-species amplification of microsatellites in crocodylians: assessment and applications for the future. *Conservation Genetics* 2009(10): 935-954.
- 3118 Lance, S. L., T. D. Tuberville, L. Dueck, C. Holz-Schietinger, P. L. Trosclair III, R. M. Elsey, and T. C. Glenn. 2009. Multiyear multiple paternity and mate fidelity in the American alligator, *Alligator mississippiensis*. *Molecular Ecology* 2009(18): 4508-4520.
- 3119 Weston-Glenn, J. L., D. J. Civitello, and S. L. Lance. 2009. Multiple paternity and kinship in the gray fox (*Urocyon cinereoargenteus*). *Mammalian Biology* 2009(74): 394-402.
- 3120 Lance, S. L., C. Hagen, T. C. Glenn, R. T. Brumfield, K. F. Stryjewski, and G. R. Graves. 2009. Fifteen polymorphic microsatellite loci from Jamaican streamertail hummingbirds (*Trochilus*). *Conservation Genetics* 2009(10): 1195-1198.
- 3121 Peters, M. B., J. R. Ovenden, D. Broderick, S. L. Lance, C. Hagen, and T. C. Glenn. 2009. Fifteen microsatellite loci for the jungle perch, *Kuhlia rupestris*. *Molecular Ecology Resources* 9(6): 1467-1469.
- 3122 Semlitsch, R. D., B. D. Todd, S. M. Blomquist, A. J. K. Calhoun, J. W. Gibbons, J. P. Gibbs, G. J. Graeter, E. B. Harper, D. J. Hocking, M. L. Hunter Jr., D. A. Patrick, T. A. G. Rittenhouse, and B. B. Rothermel. 2009. Effects of Timber

- Harvest on Amphibian Population: Understanding Mechanisms from Forest Experiments. *BioScience* 59 (10): 853-862.
- 3123 Kwit, C. and B. Collins. 2008. Native Grasses as a Management Alternative on Vegetated Closure Caps. *Environmental Management* 41: 929-936.
- 3124 Lance, S. L., C. Hagen, T. C. Glenn, N. A. Freidenfelds, and T. Langkilde. 2009. Development and characterization of seventeen polymorphic microsatellite loci in the eastern fence lizard, *Sceloporus undulatus*. *Conservation Genetics Resources* 1: 233-236.
- 3125 Lance, S. L., K. L. Jones, C. Hagen, T. C. Glenn, J. M. Jones, and J. P. Gibson. 2009. Development and characterization of nineteen polymorphic microsatellite loci from seaside alder, *Alnus maritima*. *Conservation Genetics* 10: 1907-1910.
- 3126 Miles, L. G., S. R. Isberg, T. C. Glenn, S. L. Lance, P. Dalzell, P. C. Thomson, and C. Moran. 2009. A genetic linkage map for the saltwater crocodile (*Crocodylus porosus*). *BMC Genomics* 10: 339-349.
- 3127 Lance, S. L., C. Hagen, T. C. Glenn, J. J. Apodaca, and L. J. Rissler. 2009. Development and characterization of twelve polymorphic microsatellite loci in the threatened Red Hills salamander, *Phaeognathus hubrichti*. *Conservation Genetics* 10: 1919-1921.
- 3128 Hagen, C., S. G. Platt, and C. J. Innis. 2009. *Leucocephalon yuwonoi* (McCord, Iverson, and Boeadi 1995) - Sulawesi Forest Turtle, Kura-Kura Sulawesi. In: Rhodin, A. G. J., P. C. H. Pritchard, P. P. van Dijk, R. A. Saumure, K. A. Buhlmann, J. B. Iverson, and R. A. Mittermeier (Eds.). *Conservation Biology of Freshwater Turtles and Tortoises: A Compilation Project of the IUCN/SSC Tortoise and Freshwater Turtle Specialist Group*. Chelonian Research Monographs 5: 039.1 - 039.7.
- 3129 Burns, J. L., B. R. Ginn, D. J. Bates, S. N. Dublin, J. V. Taylor, R. P. Apkarian, S. Amaro-Garcia, A. L. Neal, and T. J. Dichristina. 2010. Outer Membrane-Associated Serine Protease Involved in Adhesion of *Shewanella oneidensis* to Fe(III) Oxides. *Environmental Science and Technology* 44(1): 68-73.
- 3130 Buhlmann, K. A., T. S. B. Akre, J. B. Iverson, D. Karapatakis, R. A. Mittermeier, A. Georges, A. G. J. Rhodin, P. P. van Dijk, and J. W. Gibbons. 2009. A Global Analysis of Tortoise and Freshwater Turtle Distributions with Identification of Priority Conservation Areas. *Chelonian Conservation and Biology* 8(2): 116-149.
- 3131 Collins, B. and S. Foré. 2009. Potential role of pollinators in microhabitat structure within a large population of *Echinacea laevigata* (Asteraceae). *Journal of the Torrey Botanical Society* 136(4): 445-456.

- 3132 Schalk, C. M. and T. M. Luhring. 2010. Vagility of Aquatic Salamanders: Implications for Wetland Connectivity. *Journal of Herpetology* 44(1): 104-109.
- 3133 Cea, M., J. C. Seaman, A. Jara, M. L. Mora, and M. C. Diez. 2010. Kinetic and thermodynamic study of chlorophenol sorption in an allophanic soil. *Chemosphere* 78(2010): 86-91.
- 3134 Luhring, T. M. 2010. Predation by a Green Heron (*Butorides virescens*) on a Greater Siren (*Siren lacertina*). *Bulletin Chicago Herp. Soc.* 45(2): 2.
- 3135 Winne, C. T., J. D. Willson, and J. W. Gibbons. 2010. Drought survival and reproduction impose contrasting selection pressures on maximum body size and sexual size dimorphism in a snake, *Seminatrix pygaea*. *Oecologia* 2010(162): 913-922.
- 3136 Miles, L. G., S. R. Isberg, P. C. Thomson, T. C. Glenn, S. L. Lance, P. Dalzell, and C. Moran. 2009. QTL mapping for two commercial traits in farmed saltwater crocodiles (*Crocodylus porosus*). *Animal Genetics* 41: 142-149.
- 3137 Luhring, T. M. and B. D. Todd. 2010. *Siren intermedia* (Lesser Siren). Drought Survival. *Herpetological Review* 41(1): 60.
- 3138 Schalk, C. M., T. M. Luhring, and B. A. Crawford. 2010. Summer microhabitat use of the Greater Siren (*Siren lacertina*) and Two-toed Amphiuma (*Amphiuma means*) in an isolated wetland. *Amphibia-Reptilia* 31(2010): 251-256.
- 3139 Weber, J. N., M. B. Peters, O. V. Tsyusko, C. R. Linnen, C. Hagen, N. A. Schable, T. D. Tuberville, A. M. McKee, S. L. Lance, K. L. Jones, H. S. Fisher, M. J. Dewey, H. E. Hoekstra, and T. C. Glenn. 2010. Five hundred microsatellite loci for *Peromyscus*. *Conservation Genetics* 2010(11): 1243-1246.
- 3140 Green, A. D., K. A. Buhlmann, C. Hagen, C. Romanek, and J. W. Gibbons. 2010. Mercury Contamination in Turtles and Implications for Human Health. *Journal of Environmental Health* 72(10): 14-22.
- 3141 Baker-Austin, C., J. V. McArthur, R. C. Tuckfield, M. Najarro, A. H. Lindell, J. Gooch, and R. Stepanauskas. 2008. Antibiotic Resistance in the Shellfish Pathogen *Vibrio parahaemolyticus* isolated from the Coastal Water and Sediment of Georgia and South Carolina, USA. *Journal of Food Protection* 71(12): 2552-2558.
- 3142 Wright, M. S., C. Baker-Austin, A. H. Lindell, R. Stepanauskas, H. W. Stokes, and J. V. McArthur. 2008. Influence of industrial contamination on mobile genetic elements: class 1 integron abundance and gene cassette structure in aquatic bacterial communities. *The ISME Journal* 2008(2): 417-428.

- 3143 Wright, M. S., G. L. Peltier, R. Stepanauskas, and J. V. McArthur. 2008. Bacterial tolerances to metals and antibiotics in metal-contaminated and reference streams. *FEMS Microbiol Ecol* 2006(58): 293-302.
- 3144 Baker-Austin, C., J. V. McArthur, A. H. Lindell, M. S. Wright, R. C. Tuckfield, J. Gooch, L. Warner, J. Oliver, and R. Stepanauskas. 2009. Multi-site Analysis Reveals Widespread Antibiotic Resistance in the Marine Pathogen *Vibrio vulnificus*. *Microbial Ecology* 2009(57): 151-159.
- 3145 Pinder III, J. E., T. G. Hinton, and F. W. Whicker. 2010. Contrasting cesium dynamics in neighboring deep and shallow warm-water reservoirs. *Journal of Environmental Radioactivity* 101(2010): 659-669.
- 3146 Willson, J. D., C. T. Winne, M. A. Pilgrim, C. S. Romanek, and J. W. Gibbons. 2010. Seasonal variation in terrestrial resource subsidies influences trophic niche width and overlap in two aquatic snake species: a stable isotope approach. *Oikos* 119(2010): 1161-1171.
- 3147 Todd, B. D., J. D. Willson, and J. W. Gibbons. 2010. The Global Status of Reptiles and Causes of Their Decline. pp. 47-67 *In*: D. W. Sparling, G. Linder, C. A. Bishop, and S. Krest (Eds.). *Ecotoxicology of Amphibians and Reptiles*, Second Edition. CRC Press, Boca Raton, FL.
- 3148 Kelsey-Wall, A., J. C. Seaman, C. H. Jagoe, and C. E. Dallas. 2006. Biological Half-Life and Oxidative Stress Effects in Mice with Low-Level, Oral Exposure to Tritium. *Journal of Toxicology and Environmental Health, Part A* 69(2006): 201-213.
- 3149 Grosse, A. M., K. A. Buhlmann, and C. Hagen. 2010. Nesting Behavior of the Red-necked Pond Turtle (*Mauremys [Chinemys] nigricans*) in Captivity. *Turtle Survival Alliance* 2010(August): 90-92.
- 3150 McCord, W. P., M. Joseph-Ouni, C. Hagen, and T. Blanck. 2010. Three New Subspecies of *Trachemys venusta* (Testudines: Emydidae) from Honduras, Northern Yucatan (Mexico), and Pacific Coastal Panama. *Reptilia* 71: 39-49.
- 3151 Brisbin, Jr., I. L. and M. S. Sturek. 2009. The Pigs of Ossabaw Island: A Case Study of the Application of Long-term Data in Management Plan Development. pp. 365-378 *In*: J. J. Mayer and I.L. Brisbin, Jr. (Eds.). *Wild Pigs: Biology, Damage, Control Techniques and Management - SRNL-RP-2009-00869*. Savannah River National Laboratory, Aiken, SC.
- 3152 Carter, D. B., K. K. Henderson, I. L. Brisbin, Jr., C. Bagshaw, and M. S. Sturek. 2009. Prevalence of Antibodies to Selected Disease Agents in an Insular Population of Feral Swine. pp. 379-386 *In*: J. J. Mayer and I. L. Brisbin, Jr.

- (Eds.). Wild Pigs: Biology, Damage, Control Techniques and Management - SRNL-RP-2009-00869. Savannah River National Laboratory, Aiken, SC.
- 3153 Lance, S. L., K. L. Jones, C. Hagen, K. Jordaens, T. Backeljau, and V. Prévot. 2010. Fifteen microsatellite loci for the decollate snail, *Rumina decollata*. Conservation Genetics Resources 2010(2): 287-289.
- 3154 Pappas, M. J., J. D. Congdon, B. J. Brecke, and J. D. Capps. 2009. Orientation and dispersal of hatchling Blanding's turtles (*Emydoidea blandingii*) from experimental nests. Canadian Journal of Zoology 87(2009): 755-766.
- 3155 Bhupathy, S. and K. A. Buhlmann. 2010. Le Trionyx à clapets de l'Inde *Lissemys punctata* (Bonnaterre, 1789) (Ang: Indian Flapshell Turtle). Chéloniens 18: 24-28.
- 3156 Lance, S. L., J. E. Light, K. L. Jones, C. Hagen, and J. C. Hafner. 2010. Isolation and characterization of 17 polymorphic microsatellite loci in the kangaroo mouse, genus *Microdipodops* (Rodentia: Heteromyidae). Conservation Genetics Resources 2010(2): 139-141.
- 3157 Flanagan, S. P., W. H. Wilson, K. L. Jones, and S. L. Lance. 2010. Development and characterization of twelve polymorphic microsatellite loci in the Bog Copper, *Lycaena epixanthe*. Conservation Genetics Resources 2010(2): 159-161.
- 3158 Erickson, M. R., D. E. Scott, K. L. Jones, C. Hagen, and S. L. Lance. 2010. Development and characterization of ten microsatellite loci for the eastern spadefoot toad, *Scaphiopus holbrookii*. Conservation Genetics Resources 2010(2): 143-145.
- 3159 Kwiatkowski, M. A., C. M. Somers, R. G. Poulin, D. C. Rudolph, J. Martino, T. D. Tuberville, C. Hagen, and S. L. Lance. 2010. Development and characterization of 16 microsatellite markers for the Louisiana pine snake, *Pituophis ruthveni*, and two congeners of conservation concern. Conservation Genetics Resources 2010(2): 163-166.
- 3160 Henningsen, J. P., S. L. Lance, K. L. Jones, C. Hagen, J. Laurila, R. A. Cole, and K. E. Perez. 2010. Development and characterization of 17 polymorphic microsatellite loci in the faucet snail, *Bithynia tentaculata* (Gastropoda: Caenogastropoda: Bithyniidae). Conservation Genetics Resources 2010(2): 247-250.
- 3161 Jones, K. L., J. R. Henkel, J. J. Howard, S. L. Lance, C. Hagen, and T. C. Glenn. 2010. Isolation and characterization of 14 polymorphic microsatellite DNA loci for the endangered Whooping Crane (*Grus americana*) and their applicability to other crane species. Conservation Genetics Resources 2010(2): 251-254.

- 3162 Mitchell, J. C., T. D. Tuberville, and K. A. Buhlmann. 2004. *Heosemys grandis* (Giant Asian Pond Turtle). *Anophthalmia*. *Herpetological Review* 35(1): 55.
- 3163 Pinder III, J. E., T. G. Hinton, B. E. Taylor, and F. W. Whicker. 2011. Cesium accumulation by aquatic organisms at different trophic levels following an experimental release into a small reservoir. *Journal of Environmental Radioactivity* 102(2011): 283-293.
- 3164 Gibbons, J. W. 2001. Environmental Literacy. pp. 277-286. *In*: G. W. and T. L. Barrett (Eds.). *Holistic Science: the Evolution of the Georgia Institute of Ecology (1940-2000)*. Taylor and Francis, New York, NY.
- 3165 Jackson, N. D., T. C. Glenn, C. Hagen, S. L. Lance, and C. C. Austin. 2011. Microsatellites isolated from the North American ground skink (*Scincella lateralis*). *Conservation Genetics Resources* (2011) 3:95-97.
- 3166 Tuberville, T. D., T. M. Norton, B. J. Waffa, C. Hagen, and T. C. Glenn. 2011. Mating system in a gopher tortoise population established through multiple translocations: Apparent advantage of prior residence. *Biological Conservation* 144(2011): 175-183.
- 3167 Smith, M. H., E. P. Odum, and R. R. Sharitz. 2001. Savannah River Ecology Laboratory: A Model for a Cooperative Partnership between a University and the Federal Government. pp. 95-127. *In*: G. W. and T. L. Barrett (Eds.). *Holistic Science: the Evolution of the Georgia Institute of Ecology (1940-2000)*. Taylor and Francis, New York, NY.
- 3168 De Steven, D., R. R. Sharitz, and C. D. Barton. 2010. Ecological Outcomes and Evaluation of Success in Passively Restored Southeastern Depressional Wetlands. *Wetlands* 2010(30): 1129-1140.
- 3169 Byers, J. E., I. Altman, A. M. Grosse, T. C. Huspeni, and J. C. Maerz. 2010. Using Parasitic Trematode Larvae to Quantify an Elusive Vertebrate Host. *Conservation Biology* 25(1): 85-93.
- 3170 Coghill, L. M., J. Chaves-Campos, F. E. Espinoza, S. L. Lance, T. C. Glenn, and S. G. Johnson. 2011. Microsatellite markers isolated from the Mexican banded spring snail *Mexipyrghus churinceanus*. *Conservation Genetics Resources* (2011) 3:29-31.
- 3171 Breton, J. S., K. Oliveira, R. E. Drew, K. L. Jones, C. Hagen, and S. Lance. 2011. Development and characterization of ten polymorphic microsatellite loci in the yellowtail flounder (*Limanda ferruginea*). *Conservation Genetics Resources* (2011) 3:369-371.

- 3172 McKee, A. M., S. L. Lance, K. L. Jones, C. Hagen, and T. C. Glenn. 2011. Development and characterization of 18 microsatellite loci for the Southern Leopard Frog, *Rana sphenocephala*. Conservation Genetics Resources (2011) 3:267-269.
- 3173 Purcell, K. M., S. L. Lance, K. L. Jones, and C. A. Stockwell. 2011. Ten novel microsatellite markers for the western mosquitofish *Gambusia affinis*. Conservation Genetics Resources (2011) 3:361-363.
- 3174 Somers, C. M., K. Neudorf, K. L. Jones, and S. L. Lance. 2011. Novel microsatellite loci for the compost earthworm *Eisenia fetida*: A genetic comparison of three North American vermiculture stocks. Pedobiologia - International Journal of Soil Biology 54(2011): 111-117.
- 3175 Dorcas, M. E., J. D. Willson, and J. W. Gibbons. 2011. Can invasive Burmese pythons inhabit temperate regions of the southeastern United States? Biological Invasions 2011(13): 793-802.
- 3176 Jin, V. L., C. S. Romanek, L. A. Donovan, and R. R. Sharitz. 2010. Soil nitrogen availability and *in situ* nitrogen uptake by *Acer rubrum* L. and *Pinus palustris* Mill. in the southeastern U.S. Coastal Plain. Journal of the Torrey Botanical Society 137(4): 339-347.
- 3177 Willson, J. D., C. T. Winne, and B. D. Todd. 2011. Ecological and methodological factors affecting detectability and population estimation in elusive species. Journal of Wildlife Management 75(1): 36-45.
- 3178 Durso, A. M., J. D. Willson, and C. T. Winne. 2011. Needles in haystacks: Estimating detection probability and occupancy of rare and cryptic snakes. Biological Conservation 144(2011): 1508-1515.
- 3179 Hepp, G. R. and R. A. Kennamer. 2011. Date of nest initiation mediates incubation costs of Wood Ducks (*Aix sponsa*). *The Auk* 128(2): 258-264.
- 3180 Bozarth, C. A., S. L. Lance, D. J. Civitello, J. L. Glenn, and J. E. Maldonado. 2011. Phylogeography of the gray fox (*Urocyon cinereoargenteus*) in the eastern United States. Journal of Mammalogy 92(2): 283-294.
- 3181 Luhring, T. M., J. D. Willson, and C. T. Winne. 2011. *Nerodia fasciata fasciata* (Banded Watersnake). Inter-wetland movement. Herpetological Review 42(1): 100-101.
- 3182 Willson, J. D., M. E. Dorcas, and R. W. Snow. 2011. Identifying plausible scenarios for the establishment of invasive Burmese pythons (*Python molurus*) in Southern Florida. Biological Invasions 2011(13): 1493-1504.

- 3183 Willson, J. D. and W. A. Hopkins. 2011. Prey morphology constrains the feeding ecology of an aquatic generalist predator. *Ecology* 92(3): 744-754.
- 3184 Fricke, W. F., M. S. Wright, A. H. Lindell, D. M. Harkins, C. Baker-Austin, J. Ravel, and R. Stepanauskas. 2008. Insights into the Environmental Resistance Gene Pool from the Genome Sequence of the Multidrug-Resistant Environmental Isolate *Escherichia coli* SMS-3-5." *Journal of Bacteriology* 190(20): 6779-6794.
- 3185 Grosse, A. M., J. C. Maerz, J. Hepinstall-Cymerman, and M. E. Dorcas. 2011. Effects of Roads and Crabbing Pressures on Diamondback Terrapin Populations in Coastal Georgia. *The Journal of Wildlife Management* 75(4): 762-770.
- 3186 Todd, B. D., D. E. Scott, J. H. K. Pechmann, and J. W. Gibbons. 2011. Climate change correlates with rapid delays and advancements in reproductive timing in an amphibian community. *Proceedings of the Royal Society B* 2011(278): 2191-2197.
- 3187 Nunziata, S. O., D. E. Scott, K. L. Jones, C. Hagen, and S. L. Lance. 2011. Twelve novel microsatellite markers for the marbled salamander, *Ambystoma opacum*. *Conservation Genetic Resources* 2011(3): 773-775.
- 3188 McKee, A. M., S. L. Lance, K. L. Jones, C. Hagen, and T. C. Glenn. 2011. Development and characterization of 12 microsatellite loci for the Dwarf Salamander, *Eurycea quadridigitata*. *Conservation Genetic Resources* 2011(3): 633-635.
- 3189 Lopes, I. F., A. M. Tomasulo-Seccomandi, A. L. Bryan Jr., I. L. Brisbin Jr., T. C. Glenn, and S. N. Del Lama. 2011. Genetic status of the wood stork (*Mycteria americana*) from the southeastern United States and the Brazilian Pantanal as revealed by mitochondrial DNA analysis. *Genetics and Molecular Research* 10(3): 1910-1922.
- 3190 Taylor, B. E., F. J. Rich, M. J. Brooks, A. H. Ivester, and C. O. Clement. 2011. Late Pleistocene and Holocene Vegetation Changes in the Sandhills, Fort Jackson, South Carolina. *Southeastern Geology* 48(3): 147-163.
- 3191 Buhlmann, K. A. and C. P. Osborn. 2011. Use of an Artificial Nesting Mound by Wood Turtles (*Glyptemys insculpta*): A Tool for Turtle Conservation. *Northeastern Naturalist* 18(3): 315-334.
- 3192 Davis, A. K., R. V. Horan III, A. M. Grosse, B. B. Harris, B. S. Metts, D. E. Scott, and T. D. Tuberville. 2011. Gender Differences in Haemogregarine Infections in American Alligators (*Alligator mississippiensis*) at Savannah River, South Carolina, USA. *Journal of Wildlife Diseases* 47(4): 1047-1049.

- 3193 Crawford, B. A., C. R. Hickman, and T. M. Luhring. 2011. Testing the Threat-Sensitive Hypothesis with Predator Familiarity and Dietary Specificity. *Ethology* 117(2011): 1-8.
- 3194 Congdon, J. D., O. M. Kinney, and R. D. Nagle. 2011. Spatial ecology and core-area protection of Blanding's Turtle (*Emydoidea blandingii*). *Canadian Journal of Zoology* 89(2011): 1098-1106.
- 3195 Walls, J. G., G. R. Hepp, and L. G. Eckhardt. 2011. Effects of Incubation Delay on Viability and Microbial Growth of Wood Duck (*Aix sponsa*) Eggs. *The Auk* 128(4): 663-670.
- 3196 Bryan, J., A.L., W. A. Hopkins, J. H. Parikh, B. P. Jackson, and J. M. Unrine. 2012. Coal fly ash basins as an attractive nuisance to birds: Parental provisioning exposes nestlings to harmful trace elements. *Environmental Pollution* 161(2012): 170-177.
- 3197 Rasmussen, A. R., J. C. Murphy, M. Ompi, J. W. Gibbons, and P. Uetz. 2011. Marine Reptiles. *PLoS ONE* 6(11): 1-12.
- 3198 McGuire, J. M., J. D. Congdon, K. T. Scribner, and J. D. Capps. 2011. Variation in female reproductive quality and reproductive success of male Midland Painted Turtles (*Chrysemys picta marginata*). *Canadian Journal of Zoology* 89(2011): 1136-1145.
- 3199 Goldberg, S., I. Lebron, J. C. Seaman, and D. L. Suarez. 2011. Soil Colloidal Behavior. pp. 15-1-15-39 *In*: P. M. Huang, Y. Li, and M. E. Sumner (Eds.). *Handbook of Soil Sciences: Properties and Processes, Second Edition*. CRC Press. 1,442pp.
- 3200 Gaines, K. F., J. W. Summers, J. C. Cumbee, Jr., W. L. Stephens, Jr., and G. L. Mills. 2011. Is the LCP Superfund Site an Ecological Trap for Clapper Rails? *Southeastern Naturalist* 10(4): 703-712.
- 3201 DeGregorio, B. A., K. A. Buhlmann, A. M. Grosse, B. B. Harris, R. V. Horan III, T. D. Tuberville, and B. M. Moule. 2011. *Gopherus polyphemus* (Gopher Tortoise). Burrow Associate. *Herpetological Review* 42(3): 421.
- 3202 Castoe, T. A., A. W. Poole, A. P. J. de Koning, K. L. Jones, D. F. Tomback, S. J. Oyler-McCance, J. A. Fike, S. L. Lance, J. W. Streicher, E. N. Smith, and D. D. Pollock. 2012. Rapid Microsatellite Identification from Illumina Paired-End Genomic Sequencing in Two Birds and a Snake. *PLoS ONE* 7(2): e30953.
- 3203 Koler-Matznick, J., I. L. Brisbin Jr., M. Feinstein, and S. Bulmer. 2003. An updated description of the New Guinea singing dog (*Canis hallstromi*, Troughton 1957). *Journal of Zoology* 261(2003): 109-118.

- 3204 Gibbons, J. W. 2012. The Value of Long-Term Monitoring. pp. 29-32 *In*: R. W. McDiarmid, M. S. Foster, C. Guyer, J. W. Gibbons, and N. Chernoff (Eds.). Reptile Biodiversity: Standard Methods for Inventory and Monitoring. University of California Press, Berkeley.
- 3205 Purdue, J. R., T. K. Olekysk, and M. H. Smith. 2006. Independent Occurrences of Multiple Repeats in the Control Region of Mitochondrial DNA of White-Tailed Deer. *Journal of Heredity* 97(3): 235-243.
- 3206 Hernandez, S. M., T. D. Tuberville, P. Frank, S. J. Stahl, M. M. McBride, K. A. Buhlmann, and S. J. Divers. 2011. Health and Reproductive Assessment of a Free-Ranging Gopher Tortoise (*Gopherus polyphemus*) Population Following Translocation. *Journal of Herpetological Medicine and Surgery* 20(2-3): 84-93.
- 3207 Lindsay, D. S., J. L. Weston, and S. E. Little. 2001. Prevalence of antibodies to *Neospora caninum* and *Toxoplasma gondii* in gray foxes (*Urocyon cinereoargenteus*) from South Carolina. *Veterinary Parasitology* 97(2001): 159-164.
- 3208 Metts, B. S., K. A. Buhlmann, D. E. Scott, T. D. Tuberville, and W. A. Hopkins. 2012. Interactive effects of maternal and environmental exposure to coal combustion wastes decrease survival of larval southern toads (*Bufo terrestris*). *Environmental Pollution* 164(2012): 211-218.
- 3209 St. John, J. A., E. L. Braun, S. R. Isberg, L. G. Miles, A. Y. Chong, J. Gongora, P. Dalzell, C. Moran, B. Bed'Hom, A. Abzhanov, S. C. Burgess, A. M. Cooksey, T. A. Castoe, N. G. Crawford, L. D. Densmore, J. C. Drew, S. V. Edwards, B. C. Faircloth, M. K. Fujita, M. J. Greenwold, F. G. Hoffmann, J. M. Howard, T. Iguchi, D. E. Janes, S. Y. Khan, S. Kohno, A. P. J. de Koning, S. L. Lance, F. M. McCarthy, J. E. McCormack, M. E. Merchant, D. G. Peterson, D. D. Pollock, N. Pourmand, B. J. Raney, K. A. Roessler, J. R. Sanford, R. H. Sawyer, C. J. Schmidt, E. W. Triplett, T. D. Tuberville, M. Venegas-Anaya, J. T. Howard, E. D. Jarvis, L. J. Guillette Jr., T. C. Glenn, R. E. Green and D. A. Ray. 2012. Sequencing three crocodylian genomes to illuminate the evolution of archosaurs and amniotes. *Genome Biology* 13(1): 415.
- 3210 Burgess, E. A., J. M. Unrine, G. L. Mills, C. S. Romanek, and J. Wiegell. 2012. Comparative Geochemical and Microbiological Characterization of Two Thermal Pools in the Uzon Caldera, Kamchatka, Russia. *Environmental Microbiology* 2012(63): 471-489.
- 3211 Li, D., D. I. Kaplan, K. A. Roberts, and J. C. Seaman. 2012. Mobile Colloid Generation Induced by a Cementitious Plume: Mineral Surface-Charge Controls on Mobilization. *Environmental Science and Technology* 46(5): 2755-2763.

- 3212 Luhring, T. M. and Z. D. Ross. 2012. *Gastrophryne carolinensis* (Eastern Narrow-mouthed Toad). Predation. *Herpetological Review* 43(1): 118.
- 3213 Matesanz, S., S. E. Sultan, K. L. Jones, C. Hagen, and S. L. Lance. 2011. Development and Characterization of Microsatellite Markers for *Polygonum cespitosum* (Polygonaceae). *American Journal of Botany* 98(7): e180-e182.
- 3214 Milko, L. V., N. M. Haddad, and S. L. Lance. 2012. Dispersal via stream corridors structures populations of the endangered St. Francis' satyr butterfly (*Neonympha mitchellii francisci*). *Journal of Insect Conservation* 2012(16): 263-273.
- 3215 Nunziata, S. O., S. C. Richter, R. D. Denton, J. M. Yeiser, D. E. Wells, K. L. Jones, C. Hagen, and S. L. Lance. 2012. Fourteen novel microsatellite markers for the gopher frog, *Lithobates capito* (Amphibia: Ranidae). *Conservation Genetic Resources* 2012(4): 201-203.
- 3216 Stark, K., D. E. Scott, O. V. Tsyusko, D. P. Coughlin, and T. G. Hinton. 2012. Effects of two stressors on amphibian larval development. *Ecotoxicology and Environmental Safety* 2012(79): 283-287.
- 3217 Tuberville, T. D., K. A. Andrews, J. D. Westervelt, H. E. Balbac, J. Macey, and L. Carlile. 2012. Using Demographic Sensitivity Testing to Guide Management of Gopher Tortoises at Fort Stewart, Georgia: A Comparison of Individual-Based Modeling and Population Viability Analysis Approaches. Pp. 109-130 *In*: J. D. Westervelt and G. L. Cohen (Eds.). *Ecologist-Developed Spatially Explicit Dynamic Landscape Models*. Springer Science+Business Media, LLC: New York.
- 3218 Palta, M. M., T. W. Doyle, C. R. Jackson, J. L. Meyer, and R. R. Sharitz. 2012. Changes in Diameter Growth of *Taxodium distichum* in Response to Flow Alterations in the Savannah River. *Wetlands* 2012(32): 59-71.
- 3219 Steen, D. A., J. P. Gibbs, K. A. Buhlmann, J. L. Carr, B. W. Compton, J. D. Congdon, J. S. Doody, J. C. Godwin, K. L. Holcomb, D. R. Jackson, F. J. Janzen, G. Johnson, M. T. Jones, J. T. Lamer, T. A. Langen, M. V. Plummer, J. W. Rowe, R. A. Saumure, J. K. Tucker, and D. S. Wilson. 2012. Terrestrial habitat requirements of nesting freshwater turtles. *Biological Conservation* 150(2012): 121-128.
- 3220 Ennen, J. R., B. R. Kreiser, C. P. Qualls, D. Gaillard, M. Aresco, R. Birkhead, T. D. Tuberville, E. D. McCoy, H. Mushinsky, T. W. Hentges, and A. Schrey. 2012. Mitochondrial DNA Assessment of the Phylogeography of the Gopher Tortoise. *Journal of Fish and Wildlife Management* 3(1): 110-122.

- 3221 Allen, J. M., S. G. Obae, M. H. Brand, J. A. Silander, K. L. Jones, S. O. Nunziata, and S. L. Lance. 2012. Development and Characterization of Microsatellite Markers for *Berberis thunbergii* (Berberidaceae). *American Journal of Botany* 99(5): e220-e222.
- 3222 Beasley, J. C., Z. H. Olson, and T. L. DeVault. 2012. Carrion cycling in food webs: comparisons among terrestrial and marine ecosystems. *Oikos* 121: 1021-1026.
- 3223 Bryan Jr., A. L., H. A. Brant, C. H. Jagoe, C. S. Romanek, and I. L. Brisbin Jr. 2012. Mercury Concentrations in Nestling Wading Birds Relative to Diet in the Southeastern United States: A Stable Isotope Analysis. *Archives of Environmental Contamination and Toxicology* 63(1): 144-152.
- 3224 Lance, S. L., M. R. Erickson, R. W. Flynn, G. L. Mills, T. D. Tuberville, and D. E. Scott. 2012. Effects of Chronic Copper Exposure on Development and Survival in the Southern Leopard Frog (*Lithobates [Rana] sphenocephalus*). *Environmental Toxicology and Chemistry* 31(7): 1587-1594.
- 3225 Romero-Meza, J. A., S. L. Lance, and J. Ortega. 2012. A new set of microsatellite loci for *Laptonycteris yerbabuena* and cross species amplification with other glossophagines. *Conservation Genetic Resources* 2012(4): 291-294.
- 3226 Tew, J. M., S. L. Lance, K. L. Jones, and S. D. Fehlberg. 2012. Microsatellite development for an endangered riparian inhabitant, *Lilaeopsis schaffneriana* subsp. *recurva* (Apiaceae). *American Journal of Botany* 99(4): e164-e166.
- 3227 Chang, Hyun-shik., W. Um, K. Rod, R. J. Serne, A. Thompson, N. Perdrial, C. I. Steefel, and J. Chorover. 2011. Strontium and Cesium Release Mechanisms during Unsaturated Flow through Waste-Weathered Hanford Sediments. *Environmental Science and Technology* 45(19): 8313-8320.
- 3228 Chang, H.-s., J. H. Singer, and J. C. Seaman. 2012. In Situ Chromium (VI) Reduction Using Iron (II) Solutions: Modeling Dynamic Geochemical Gradients. *Vadose Zone Journal* 11(2): 2011.0172.
- 3229 Seaman, J. C., H. Chang, S. Goldberg, and J. Šimůnek. 2012. Reactive Transport Modeling. *Vadose Zone Journal* 11(2): 2012.0066.
- 3230 Bryan Jr., A. L., K. D. Meyer, B. A. Tomlinson, J. A. Lauritsen, and W. B. Brooks. 2012. Foraging Habitat Use by Breeding Wood Storks and the Core Foraging Area Concept. *Waterbirds* 35(2): 292-300.
- 3231 Burington, Z. L., J. C. Morse, and J. V. McArthur. 2011. Distribution and Variation of *Oecetis parva* (Trichoptera: Leptoceridae). *Entomological News* 122(1): 100-106.

- 3232 DeGregorio, B. A., K. A. Buhlmann, and T. D. Tuberville. 2012. Overwintering of Gopher Tortoises (*Gopherus polyphemus*) Translocated to the Northern Limit of Their Geographic Range: Temperatures, Timing and Survival. *Chelonian Conservation and Biology* 11(1): 84-90.
- 3233 Garibay, E. S., A. Silva-Caballero, M. Del Real-Monroy, S. L. Lance, D. Valenzuela-Galván, and J. Ortega. 2012. Development of 24 microsatellite markers for the white nosed coati (*Nasua narica*) using 454 sequencing. *Conservation Genetic Resources* 2012(4): 661-663.
- 3234 Jenssen, T. A., S. Garrett, and W. J. Sydor. 2012. Complex Signal Usage by Advertising Male Green Anoles (*Anolis carolinensis*): A Test of Assumptions." *Herpetologica* 68(3): 345-357.
- 3235 Kashiwagi, T., D. Broderick, S. L. Lance, M. B. Bennett, and J. R. Ovenden. 2012. Development and characterization of ten microsatellite loci for the reef manta ray *Manta alfredi*. *Conservation Genetic Resources* 2012: 1055-1058.
- 3236 Pate, S. J., J. A. Clement, J. H. McCoy, S. L. Lance, and K. G. Mathews. 2012. Development and Characterization of Microsatellite Markers for *Actaea racemosa* (Black Cohosh, Ranunculaceae). *American Journal of Botany* 99(7): e274-e276.
- 3237 Stoutamore, J. L., C. N. Love, S. L. Lance, K. L. Jones, and D. Tallmon. 2012. Development of polymorphic microsatellite markers for blue king crab (*Paralithodes platypus*). *Conservation Genetic Resources* 2012(4): 897-899.
- 3238 Korom, S. F. and J. C. Seaman. 2012. When "Conservative" Anionic Tracers Aren't. *Ground Water* 50(6): 820-824.
- 3239 Walls, J. G., G. R. Hepp, and L. G. Eckhardt. 2012. Effects of nest reuse and onset of incubation on microbial growth and viability of Wood Duck eggs. *The Condor* 114(4): 720-725.
- 3240 McArthur, J. V., R. C. Tuckfield, and C. Baker-Austin. 2012. Antimicrobial Textiles. pp.135-152 *In*: A. R. M. Coates (Ed.). *Antibiotic Resistance, Handbook of Experimental Pharmacology* 211. Springer-Verlag Berlin Heidelberg.
- 3241 DeGregorio, B. A., A. M. Grosse, and J. W. Gibbons. 2012. Density and size class distribution of Yellow-bellied Sliders (*Trachemys scripta scripta*) inhabiting two barrier island wetlands. *Herpetological Conservation and Biology* 7(3): 306-312.
- 3242 Murray, S. M., K. F. Gaines, J. M. Novak, M. Gochfeld, and J. Burger. 2010. DNA double-strand breakage as an endpoint to examine metal and radionuclide

- exposure effects to water snakes on a nuclear industrial site. *Human and Ecological Risk Assessment* 16(2): 282-300.
- 3243 Anderson, R. A. 1989. Herpetology at the Savannah River Ecology Laboratory. *Herp Review* 20(3): 60-62.
- 3244 Congdon, J. D., J. W. Gibbons, R. J. Brooks, N. Rollinson, and R. N. Tsaliagos. 2013. Indeterminate growth in long-lived freshwater turtles as a component of individual fitness. *Evolutionary Ecology* 27(2): 445-459.
- 3245 Metts, B. S., K. A. Buhlmann, T. D. Tuberville, D. E. Scott, and W. A. Hopkins. 2013. Maternal transfer of contaminants and reduced reproductive success of southern toads (*Bufo [Anaxyrus] terrestris*) exposed to coal combustion waste. *Environmental Science and Technology* 2013(47): 2846-2853.
- 3246 Hepp, G. R. and R. A. Kennamer. 2012. Warm is better: incubation temperature influences apparent survival and recruitment of Wood Ducks (*Aix sponsa*)." *PLoS ONE* 7(10): e47777.
- 3247 Lance, S. L., R. W. Flynn, M. R. Erickson, and D. E. Scott. 2013. Within- and among-population level difference in response to chronic copper exposure in southern toads, *Anaxyrus terrestris*. *Environmental Pollution* 17(2013): 135-142.
- 3248 Nafus, M. G., T. D. Tuberville, K. A. Buhlmann, and B. D. Todd. 2013. Relative abundance and demographic structure of Agassiz's desert tortoise (*Gopherus agassizii*) along roads of varying size and traffic volume. *Biological Conservation* 162(2013): 100-106.
- 3249 Walls, S. C., W. J. Barichivich, M. E. Brown, D. E. Scott, and B. R. Hossack. 2013. Influence of drought on salamander occupancy of isolated wetlands on the Southeastern Coastal Plain of the United States. *Wetlands* 2013(33): 345-354.
- 3250 Gibbons, J. W. 2013. A Long-Term Perspective of Delayed Emergence (aka Overwintering) in Hatchling Turtles: Some They Do and Some They Don't, and Some You Just Can't Tell. *Journal of Herpetology* 47(2): 203-214.
- 3251 Nunziata, S. O., M. J. Lannoo, J. R. Robb, D. R. Karns, S. L. Lance, and S. C. Richter. 2013. Population and Conservation Genetics of Crawfish Frogs, *Lithobates areolatus*, at Their Northeastern Range Limit. *Journal of Herpetology* 47(2): 361-368.
- 3252 Villar, C. M., A. L. Bryan Jr., S. L. Lance, E. M. Braga, C. Congrains, and S. N. Del Lama. 2013. Blood parasites in nestlings of Wood Stork populations from three regions of the American continent. *Journal of Parasitology* 99(3):522-527.

- 3253 O'Bryhim, J., C. Somers, S. L. Lance, M. Yau, D. R. Boreham, K. L. Jones, and E. B. Taylor. 2013. Development and characterization of twenty-two novel microsatellite markers for the mountain whitefish, *Prosopium williamsoni* and cross-amplification in the round whitefish, *P. cylindraceum*, using paired-end Illumina shotgun sequencing. *Conservation Genetic Resources* 5(1):89-91.
- 3254 Nunziata, S. O., S. L. Lance, K. L. Jones, S. A. Nerkowski, and A. E. Metcalf. 2013. Development and characterization of twenty-three microsatellite markers for the freshwater minnow Santa Ana speckled dace (*Rhinichthys osculus* spp., Cyprinidae) using paired-end Illumina shotgun sequencing. *Conservation Genetic Resources* 5(1):145-148.
- 3255 McGuire, J. M., K. T. Scribner, and J. D. Congdon. 2013. Spatial aspects of movements, mating patterns, and nest distributions influence gene flow among population subunits of Blanding's turtles (*Emydoidea blandingii*). *Conservation Genetics* 14(5): 1029-1042.
- 3256 Luhring, T. M., J. W. Gibbons, and P. W. Gibbons. 2013. *Siren* sp. Predation. *Herpetological Review* 44(3): 491-492.
- 3257 Dorcas, M. E. and J. W. Gibbons. 2013. Long-Term Ecological Research on America's Only Estuarine Turtle: The Diamondback Terrapin. pp.447-461 *In:* W. I. Lutterschmidt (Ed.) *Reptiles in Research: Investigations of Ecology, Physiology, and Behavior From Desert to Sea*. Nova Biomedical: New York.
- 3258 Durso, A. M., J. D. Willson, and C. T. Winne. 2013. Habitat influences diet overlap in aquatic snake assemblages. *Journal of Zoology* 291(3): 185-193.
- 3259 Pappas, M. J., J. D. Congdon, B. J. Brecke, and S. Freedberg. 2013. Orientation of Freshwater Hatchling Blanding's (*Emydoidea blandingii*) and Snapping Turtles (*Chelydra serpentina*) Dispersing from Experimental Nests in Agricultural Fields. *Herpetological Conservation and Biology* 8(2): 385-399.
- 3260 Scott, D. E., M. J. Komoroski, D. A. Croshaw, and P. M. Dixon. 2013. Terrestrial distribution of pond-breeding salamanders around an isolated wetland. *Ecology* 94(11): 2537-2546.
- 3261 Underwood, E. B., S. Bowers, J. C. Guzy, J. E. Lovich, C. A. Taylor, J. W. Gibbons, and M. E. Dorcas. 2013. Sexual dimorphism and feeding ecology of Diamond-backed Terrapins (*Malaclemys terrapin*). *Herpetologica* 69(4): 397-404.
- 3262 Lance, S. L., C. N. Love, S. O. Nunziata, J. R. O'Bryhim, D. E. Scott, R. W. Flynn, and K. L. Jones. 2013. 32 species validation of a new Illumina paired-end approach for the development of microsatellites. *PLoS ONE* 8(11): e81853.

- 3263 Edwards, P. G., K. F. Gaines, A. L. Bryan Jr., J. M. Novak, and S. A. Blas. 2014. Trophic dynamics of U, Ni, Hg and other contaminants of potential concern on the Department of Energy's Savannah River Site. *Environmental Monitoring and Assessment* 2014(186): 481-500.
- 3264 Bryan Jr., A. L. and R. R. Borkhataria. 2013. Characterization of tidally influenced Wood Stork foraging habitats in Georgia. *Southeastern Naturalist* 124: 843-850.
- 3265 Todd, B. D., S. M. Blomquist, E. B. Harper, and M. S. Osbourn. 2014. Effects of timber harvesting on terrestrial survival of pond-breeding amphibians. *Forest Ecology and Management* 313(2014): 123-131.
- 3266 Li, D., H. Chang, J. C. Seaman, and D. I. Kaplan. 2013. Effects of matrix heterogeneity and aqueous humic acid on transport and deposition of mineral colloids in sandy sediments. *Journal of Environmental Chemical Engineering* 1(2013): 875-883.
- 3267 DeGregorio, B. A., P. J. Weatherhead, T. D. Tuberville, and J. H. Sperry. 2013. Time in captivity affects foraging behavior of ratsnakes: implications for translocation. *Herpetological Conservation and Biology* 8(3): 581-590.
- 3268 Fletcher, D. E., A. H. Lindell, G. K. Stillings, G. L. Mills, S. A. Blas, and J. V. McArthur. 2014. Spatial and taxonomic variation in trace element bioaccumulation in two herbivores from a coal combustion waste contaminated stream. *Ecotoxicology and Environmental Safety* 101(2014): 196-204.
- 3269 Paller, M. H., S. C. Sterrett, T. D. Tuberville, D. E. Fletcher, and A. M. Grosse. 2014. Effects of disturbance at two spatial scales on macroinvertebrate and fish metrics of stream health. *Journal of Freshwater Ecology* 29(1): 83-100.
- 3270 Love, C. N., C. Hagen, B. D. Horne, K. L. Jones, and S. L. Lance. 2013. Development and characterization of thirty novel microsatellite markers for the critically endangered Myanmar Roofed Turtle, *Batagur trivittata*, and cross-amplification in the Painted River Terrapin, *B. borneoensis*, and the Southern River Terrapin, *B. affinis*, using paired-end Illumina shotgun sequencing. *Conservation Genetic Resources* 5(2): 383-387.
- 3271 Carson, E. W., R. R. Beasley, K. L. Jones, S. L. Lance, M. De Lourdes Lozano-Vilano, L. Vela-Valladares, I. Banda-Villaneuva, T. F. Turner, and M. De la Maza-Benignos. 2013. Development of polymorphic microsatellite markers for the microendemic pupfishes *Cyprinodon julimes* and *C. pachycephalus*. *Conservation Genetic Resources* 5(3): 853-856.
- 3272 Morales-Leyva, A., R. A. Medellin, S. L. Lance, B. Rodriguez-Herrera, M. Del Real-Monroy, and J. Ortega. 2014. Development of microsatellite loci for the

- Honduran white-bat (*Ectophylla alba*) by using Illumina paired-end sequences. *Conservation Genetic Resources* 6(1): 219-220.
- 3273 Harrison, E., C. N. Love, K. L. Jones, S. L. Lance, J. C. Trexler, and T. Collins. 2013. Isolation and characterization of 18 novel polymorphic microsatellite markers from the Mayan cichlid (*Cichlasoma urophthalmus*). *Conservation Genetic Resources* 5(3): 703-705.
- 3274 Pruett, C. L., C. Whelan, A. Ricono, S. L. Lance, T. Glenn, B. Faircloth, and K. Winker. 2014. Development and characterization of microsatellite loci for two species of Beringian birds, rock sandpiper (*Calidris ptilocnemis*) and Pacific wren (*Troglodytes pacificus*). *Conservation Genetic Resources* 6(1): 175-177.
- 3275 Arcangeli, J., F. A. Cervantes, S. L. Lance, M. I. Salazar, and J. Ortega. 2013. Twenty-four microsatellite markers for the gray mouse opossum (*Tlacuatzin canescens*): development from illumina paired-end sequences. *Conservation Genetic Resources* 5(2): 367-370.
- 3276 Schnellbacher, R. W., S. M. Hernandez, T. D. Tuberville, J. Mayer, Y. Alhamhoom, and R. D. Arnold. 2012. The Efficacy of Intranasal Administration of Dexmedetomidine and Ketamine to Yellow-Bellied Sliders (*Trachemys scripta scripta*). *Journal of Herpetological Medicine and Surgery* 22(3-4): 91-98.
- 3277 DuRant, S. E., W. A. Hopkins, G. R. Hepp, and L. M. Romero. 2013. Energetic constraints and parental care: Is corticosterone indicative of energetic costs of incubation in a precocial bird? *Hormones and Behavior* 63(2013): 385-391.
- 3278 Bryan Jr., A. L., C. Depkin, P. Schoenfeld, and S. Wilde. 2012. Avifauna in Maritime Forest and Shrub Habitats on Navy Submarine Base Kings Bay in Southeastern Georgia. *The Oriole* 77(3-4): 67- 80.
- 3279 Kennamer, R. A., I. L. Brisbin Jr., C. S. Eldridge, and D. A. Saxon Jr. 2013. Wastewater Treatment Wetlands: Potential Hazardous Wildlife Attractants for Airports. pp. 119-131 *In*: J. B. Armstrong and G. R. Gallagher (Eds.). *Proceedings of the 15th Wildlife Damage Management Conference*.
- 3280 Xu, C., M. Athon, Y. F. Ho, H. S. Chang, S. Zhang, D. I. Kaplan, K. A. Schwehr, N. DiDonato, P. G. Hatcher, and P. H. Santschi. 2014. Plutonium Immobilization and Remobilization by Soil Mineral and Organic Matter in the Far-Field of the Savannah River Site, U.S. *Environmental Science and Technology* 48(6): 3186-3195.
- 3281 Buettner, S. W., M. G. Kramer, O. A. Chadwick, and A. Thompson. 2014. Mobilization of colloidal carbon during iron reduction in basaltic soils. *Geoderma* 221-222(2014): 139-145.

- 3282 Lovich, J. E., J. W. Gibbons, and M. Agha. 2014. Does the timing of attainment of maturity influence sexual size dimorphism and adult sex ratio in turtles? *Biological Journal of the Linnean Society* 112(2014): 142-149.
- 3283 Bagshaw, C., A. E. Isdell, D. S. Thiruvaiyaru, I. L. Brisbin Jr., and S. Sanchez. 2014. Molecular detection of canine parvovirus in flies (Diptera) at open and closed canine facilities in the eastern United States. *Preventive Veterinary Medicine* 114(2014): 276-284.
- 3284 Atanassova, I. D., S. H. Doerr, and G. L. Mills. 2014. Hot-Water-Soluble Organic Compounds Related to Hydrophobicity in Sandy Soils. pp. 137-146 *In*: A. E. Hartemink and K. McSweeney (Eds.). *Progress in Soil Science: Soil Carbon*. Springer International Publishing, Switzerland.
- 3285 Beasley, J. C., T. E. Grazia, P. E. Johns, and J.J. Mayer. 2013. Habitats associated with vehicle collisions with wild pigs. *Wildlife Research* 2013(40): 654-660.
- 3286 Nussear, K. E. and T. D. Tuberville. 2014. Habitat Characteristics of North American Tortoises. pp. 77-84 *In*: D. C. Rostal, E. D. McCoy and H. R. Mushinsky (Eds.). *Biology and Conservation of North American Tortoises*. Johns Hopkins University Press, Baltimore, MD.
- 3287 Chang, H., C. Xu, K. A. Schwehr, S. Zhang, D. I. Kaplan, J. C. Seaman, C. Yeager, and P. H. Santschi. 2014. Model of radioiodine speciation and partitioning in organic-rich and organic-poor soils from the Savannah River Site. *Journal of Environmental Chemical Engineering* 2(2014): 1321-1330.
- 3288 Li, D., J. C. Seaman, H. Chang, P. R. Jaffe, P. Koster van Groos, D. Jiang, N. Chen, J. Lin, Z. Arthur, Y. Pan, K. G. Scheckel, M. Newville, A. Lanxirotti, and D. I. Kaplan. 2014. Retention and chemical speciation of uranium in an oxidized wetland sediment from the Savannah River Site. *Journal of Environmental Radioactivity* 131(2014): 40-46.
- 3289 Edwards, P. G., K. F. Gaines, A. L. Bryan, Jr., J. M. Novak, and S. A. Blas. 2014. Are U, Ni, and Hg an Environmental Risk within a RCRA/CERCLA Unit on the U.S. Department of Energy's Savannah River Site? *Human and Ecological Risk Assessment* 20(2014): 1565-1589.
- 3290 Soteropoulos, D. L., S. L. Lance, R. W. Flynn, and D. E. Scott. 2014. Effects of copper exposure on hatchling success and early larval survival in marbled salamanders, *Ambystoma opacum*. *Environmental Toxicology and Chemistry* 33(7): 1631-1637.
- 3291 Ramos, A. G., S. O. Nunziata, S. L. Lance, C. Rodríguez, B. C. Faircloth, P. A. Gowaty, and H. Drummond. 2014. Habitat structure and colony structure

- constrain extrapair paternity in a colonial bird. *Animal Behaviour* 95(2014): 121-127.
- 3292 Chang, H., S. W. Buettner, J. C. Seaman, P. R. Jaffé, P. Koster van Groos, D. Li, A. D. Peacock, K. G. Scheckel, and D. I. Kaplan. 2014. Uranium immobilization in an iron-rich rhizosphere of a native wetland plant from the Savannah River Site under reducing conditions. *Environmental Science and Technology* 48(2014): 9270-9278.
- 3293 Kosnicki, E., S. A. Sefick, M. H. Paller, M. S. Jarrell, B. A. Prusha, S. C. Sterrett, T. D. Tuberville, and J. W. Feminella. 2014. Defining the reference condition for wadeable streams in the Sand Hills subdivision of the Southeastern Plains ecoregion, USA. *Environmental Management* 54(2014): 494-504.
- 3294 McClintock, M. E., G. R. Hepp, and R. A. Kennamer. 2014. Plasticity of incubation behaviors helps Wood Ducks (*Aix sponsa*) maintain an optimal thermal environment for developing embryos. *The Auk - Ornithological Advances* 131(2014): 672-680.
- 3295 Tuberville, T. D., B. D. Todd, S. M. Hermann, W. K. Michener, and C. Guyer. 2014. Survival, demography, and growth of Gopher Tortoises (*Gopherus polyphemus*) from three study sites with different management histories. *The Journal of Wildlife Management* 78(7): 1151-1160.
- 3296 Kennamer, R. A. 1997. Hooded Mergansers breeding in the upper coastal plain of South Carolina. *The Chat* 61(2): 117-119.
- 3297 Winans, G. A., J. D. Baker, and S. L. Lance. 2014. Twenty-five novel microsatellite markers for English sole, *Parophrys vetulus*. *Conservation Genetic Resources* 2014(6): 417-419.
- 3298 Beasley, R. R., S. L. Lance, J. A. Ruskey, and E. B. Taylor. 2014. Development and characterization of twenty-five microsatellite markers for the longnose dace (Cyprinidae: *Rhinichthys*) using paired-end Illumina shotgun sequencing. *Conservation Genetic Resources* 6: 1011-1013.
- 3299 Bryan Jr., A. L., J. W. Snodgrass, H. A. Brant, C. S. Romanek, C. H. Jagoe, G. L. Mills, and I. L. Brisbin Jr. 2014. Precipitation influences on uptake of a global pollutant by a coastal avian species. *Environmental Toxicology and Chemistry* 33(12): 2711-2715.
- 3300 Rabeling, C., M. Bollazzi, M. Bacci Jr., R. R. Beasley, S. L. Lance, K. L. Jones, and N. E. Pierce. 2014. Development and characterization of twenty-two polymorphic microsatellite markers for the leafcutter ant, *Acromyrmex lundii*, utilizing Illumina sequencing. *Conservation Genetic Resources* 6: 319-322.

- 3301 Rabeling, C., C. N. Love, S. L. Lance, K. L. Jones, N. E. Pierce, and M. Bacci Jr. 2014. Development of twenty-one polymorphic microsatellite markers for the fungus-growing ant, *Mycocepurus goeldii* (Formicidae: Attini), using Illumina paired-end genomic sequencing. *Conservation Genetic Resources* 6: 739-741.
- 3302 Ramos, A. G., S. O. Nunziata, S. L. Lance, C. Rodriguez, B. C. Faircloth, P. A. Gowaty, and H. Drummond. 2014. Interactive effects of male and female age on extra-pair paternity in a socially monogamous seabird. *Behavioral Ecology and Sociobiology* 68: 1603-1609.
- 3303 Fletcher, D. E., A. H. Lindell, G. K. Stillings, G. L. Mills, S. A. Blas, and J. V. McArthur. 2014. Variation in trace-element accumulation in predatory fishes from a stream contaminated by coal combustion waste. *Archives of Environmental Contamination and Toxicology* 66(3): 341-360.
- 3304 Witczak, L. R., J. C. Guzy, S. J. Price, J. W. Gibbons, and M. E. Dorcas. 2014. Temporal and spatial variation in survivorship of diamondback terrapins (*Malaclemys terrapin*). *Chelonian Conservation and Biology* 13(2): 146-151.
- 3305 Bryan Jr., A. L., C. N. Love, G. L. Mills, R. R. Borkhataria, and S. L. Lance. 2015. Testing for associations between hematozoa infection and mercury in wading bird nestlings. *Journal of Wildlife Diseases* 51(1): 222-226.
- 3306 DeGregorio, B. A., J. D. Willson, M. E. Dorcas, and J. W. Gibbons. 2014. Commercial value of amphibians produced from an isolated wetland. *The American Midland Naturalist* 2014(172): 200-204.
- 3307 Gaines, K. F., C. S. Boring, and D. E. Porter. 2005. The development of a spatially explicit model to estimate radiocaesium body burdens in raccoons (*Procyon lotor*) for ecological risk assessment. *Science of the Total Environment* 341(2005): 15-31.
- 3308 Graves, G. R., C. S. Romanek, and A. R. Navarro. 2002. Stable isotope signature of philopatry and dispersal in a migratory songbird. *Proceedings of the National Academy of Sciences* 99(12): 8096-8100.
- 3309 Harden, L. A. and M. E. Dorcas. 2008. Using thermal biology to investigate habitat use and activity of mud turtles (*Kinosternon subrubrum*) on a golf course. pp. 321-323 *In*: J. C. Mitchell, R. E. Jung Brown, and B. Bartholomew (Eds.). *Urban Herpetology*. *Herpetological Conservation* Vol. 3. Society for the Study of Amphibians and Reptiles. Salt Lake City, Utah.
- 3310 Collins, B. 2005. *Thresholds of Disturbance: Land Management Effects on Vegetation and Nitrogen Dynamics*. SERDP Project RC-1114E.

- 3311 Flynn, R. W., D. E. Scott, W. Kuhne, D. Soteropoulos, and S. L. Lance. 2015. Lethal and sublethal measures of chronic copper toxicity in the eastern narrowmouth toad, *Gastrophryne carolinensis*. *Environmental Toxicology and Chemistry* 34(3): 575-582.
- 3312 Li, D., D. I. Kaplan, H. Chang, J. C. Seaman, P. R. Jaffé, P. Koster van Groos, K. G. Scheckel, C. U. Segre, N. Chen, D. Jiang, M. Newville, and A. Lanzirotti. 2015. Spectroscopic evidence of uranium immobilization in acidic wetlands by natural organic matter and plant roots. *Environmental Science and Technology* 49(5): 2823-2832.
- 3313 Scott, D. E., Y. Yanes, B. B. Rothermel, M. Pilgrim, and C. S. Romanek. 2015. Efficacy of labeling wetlands with enriched ¹⁵N to determine amphibian dispersal. *Wetlands* 35(2): 349-356.
- 3314 Seaman, J. C., S. W. Buettner, and H. Chang. 2015. Chapter 3. Phosphate-Uranium Interactions in Soils. pp. 59-96 *In*: H. M. Selim (Ed.). *Phosphate in Soils - Interaction with Micronutrients, Radionuclides and Heavy Metals*. CRC Press, Boca Raton, FL.
- 3315 Beck, J. B., J. C. Semple, J. M. Brull, S. L. Lance, M. M. Phillips, S. B. Hoot, and G. A. Meyer. 2014. Genus-wide microsatellite primers for the goldenrods (*Solidago*: Asteraceae). *Applications in Plant Sciences* 2(4): 1300093.
- 3316 Yuan, M. L., S. H. Dean, A. V. Longo, B. B. Rothermel, T. D. Tuberville, and K. R. Zamudio. 2015. Kinship, inbreeding and fine-scale spatial structure influence gut microbiota in a hindgut-fermenting tortoise. *Molecular Ecology* 24(10): 2521-2536.
- 3317 Winzeler, M. E., M. T. Hamilton, T. D. Tuberville, and S. L. Lance. 2015. First case of ranavirus and associated morbidity and mortality in an eastern mud turtle *Kinosternon subrubrum* in South Carolina. *Diseases of Aquatic Organisms* 114(1): 77-81.
- 3318 Price, K. A., J. R. O'Bryhim, K. L. Jones, and S. L. Lance. 2015. Development of polymorphic microsatellite markers for the bonnethead shark, *Sphyrna tiburo*. *Conservation Genetics Resources* 7(1): 69-71.
- 3319 Piñeros, V. J., C. Gutiérrez-Rodríguez, and S. L. Lance. 2015. Development and characterization of 29 microsatellite markers for the sergeant major damselfish (*Abudefduf saxatilis*) using paired-end Illumina shotgun sequencing. *Conservation Genetics Resources* 7(1): 103-105.
- 3320 O'Bryhim, J. R., J. Spaet, J. R. Hyde, K. L. Jones, D. H. Adams, and S. L. Lance. 2015. Development of microsatellite markers for globally distributed populations

- of the threatened silky shark, *Carcharhinus falciformis*. Conservation Genetics Resources 7(2): 463-465.
- 3321 Grosse, A. M., B. A. Crawford, J. C. Maerz, K. A. Buhlmann, T. Norton, M. Kaylor, and T. D. Tuberville. 2015. Effects of vegetation structure and artificial nesting habitats on hatchling sex determination and nest survival of Diamondback Terrapins. Journal of Fish and Wildlife Management 6(1): 19-28.
- 3322 Buhlmann, K. A., S. L. Koch, B. O. Butler, T. D. Tuberville, V. J. Palermo, B. A. Bastarache, and Z. D. Cava. 2015. Reintroduction and head-starting: tools for Blanding's Turtle (*Emydoidea blandingii*) conservation. Herpetological Conservation and Biology 10(Symposium): 436-454.
- 3323 Luhring, T. M. and R. M. Holdo. 2015. Trade-offs between growth and maturation: the cost of reproduction for surviving environmental extremes. Oecologia 178(3): 723-732.
- 3324 Tuberville, T. D., T. M. Norton, K. A. Buhlmann, and V. Greco. 2015. Head-starting as a management component for Gopher Tortoises (*Gopherus polyphemus*). Herpetological Conservation and Biology 10(Symposium): 455-471.
- 3325 Robinson, G. L., G. L. Mills, A. H. Lindell, S. H. Schweitzer, and S. M. Hernandez. 2015. Exposure to mercury and Aroclor 1268 congeners in least terns (*Sternula antillarum*) in coastal Georgia, USA. Environmental Science Processes and Impacts 17(8): 1424-1432.
- 3326 Harris, B. B., T. M. Norton, N. P. Nibbelink, and T. D. Tuberville. 2015. Overwintering ecology of juvenile Gopher Tortoises (*Gopherus polyphemus*). Herpetological Conservation and Biology 10(2): 645-653.
- 3327 Tuberville, T. D., K. A. Andrews, J. H. Sperry, and A. M. Grosse. 2015. Use of the NatureServe Climate Change Vulnerability Index as an assessment tool for reptiles and amphibians: lessons learned. Environmental Management 56(4): 822-834.
- 3328 Beasley, J. C., S. C. Webster, O. E. Rhodes Jr., and F. L. Cunningham. 2015. Evaluation of Rhodamine B as a biomarker for assessing bait acceptance in wild pigs. Wildlife Society Bulletin 39(1): 188-192.
- 3329 Hinton, T. G., M. E. Byrne, S. C. Webster, and J. C. Beasley. 2015. Quantifying the spatial and temporal variation in dose from external exposure to radiation: a new tool for use on free-ranging wildlife. Journal of Environmental Radioactivity 145(2015): 58-65.

- 3330 Ricono, A., G. Bupp, C. Peterson, S. O. Nunziata, S. L. Lance, and C. L. Pruett. 2015. Development and characterization of microsatellite loci for the endangered scrub lupine, *Lupinus aridorum* (Fabaceae). *Applications in Plant Sciences* 3(4): 1-3.
- 3331 Deryabina, T. G., S. V. Kuchmel, L. L. Nagorskaya, T. G. Hinton, J. C. Beasley, A. Lerebours, and J. T. Smith. 2015. Long-term census data reveal abundant wildlife populations at Chernobyl. *Current Biology* 25: R824-R826.
- 3332 Trapnell, D. W., R. R. Beasley, S. L. Lance, A. R. Field, and K. L. Jones. 2015. Characterization of microsatellite loci for an Australian epiphytic orchid, *Dendrobium calamiforme*, using Illumina sequencing. *Applications in Plant Sciences* 3(6): 1-4.
- 3333 Worsley-Tonks, K. E. L., S. L. Lance, R. R. Beasley, K. L. Jones, and V. O. Ezenwa. 2015. Development and characterization of 30 novel microsatellite markers for Grant's gazelle (*Nanger granti*). *Conservation Genetic Resources* 7(1):219-221.
- 3334 Dorcas, M. E. and J. D. Willson. 2013. Hidden Giants: Problems Associated with Studying Secretive Invasive Pythons. pp. 367-385 *In: W. I. Lutterschmidt (Ed.). Reptiles In Research: Investigations of Ecology, Physiology, and Behavior from Desert to Sea.* Nova Science Publishers, Inc. New York.
- 3335 Nafus, M. G., B. D. Todd, K. A. Buhlmann, and T. D. Tuberville. 2015. Consequences of maternal effects on offspring size, growth and survival in the desert tortoise. *Journal of Zoology* 297(2): 108-114.
- 3336 Nunziata, S. O., D. E. Scott, and S. L. Lance. 2015. Temporal genetic and demographic monitoring of pond-breeding amphibians in three contrasting population systems. *Conservation Genetics* 16(6): 1335-1344.
- 3337 Pruett, C. L., L. Wan, T. Li, C. Sporn, S. L. Lance, T. C. Glenn, B. C. Faircloth, and K. Winker. 2015. Development and characterization of microsatellite loci for common raven (*Corvus corax*) and cross species amplification in other Corvidae. *BMC Research Notes* 8(655): 1-4.
- 3338 Graham, C. F., T. C. Glenn, A. G. McArthur, D. R. Boreham, T. Kieran, S. L. Lance, R. G. Manzon, J. A. Martino, T. Pierson, S. M. Rogers, J. Y. Wilson, and C. M. Somers. 2015. Impacts of degraded DNA on restriction enzyme associated DNA sequencing (RADSeq). *Molecular Ecology Resources* 15(6): 1304-1315.
- 3339 Finger Jr., J. W., R. J. Williams, M. T. Hamilton, R. M. Elsey, V. A. Oppenheimer, S. D. Holladay, and R. M. Gogal Jr. 2015. Influence of collection time on hematologic and immune markers in the American alligator (*Alligator mississippiensis*). *Journal of Immunoassay and Immunochemistry* 36(5): 496-509.

- 3340 Fletcher, D. E., A. H. Lindell, G. K. Stillings, G. L. Mills, S. A. Blas, and J. V. McArthur. 2015. Trophic variation in coastal plain stream predatory fishes. *Southeastern Naturalist* 14(2): 373-396.
- 3341 Hamilton, M. T., J. W. Finger Jr., M. E. Winzeler, and T. D. Tuberville. 2016. Evaluating the effect of sample type on American alligator (*Alligator mississippiensis*) analyte values in a point-of-care blood analyser. *Conservation Physiology* 4(1): 1-7.
- 3342 Vukovich, M., K. L. Turner, T. E. Grazia, T. Mims, J. C. Beasley, and J. C. Kilgo. 2015. Wintering Golden Eagles on the coastal plain of South Carolina. *Journal of Field Ornithology* 86(4): 337-344.
- 3343 Luhring, T. M., G. M. Connette, and C. M. Schalk. 2016. Trap characteristics and species morphology explain size-biased sampling of two salamander species. *Amphibia-Reptilia* 37(1): 79-89.
- 3344 Kennamer, R. A. 2003. Recoveries of Ring-necked Ducks banded on the U.S. Department of Energy's Savannah River Site, South Carolina. *The Oriole* 68(2003): 8-14.
- 3345 Peadar, J. M., T. D. Tuberville, K. A. Buhlmann, M. G. Nafus, and B. D. Todd. 2015. Delimiting road-effect zones for threatened species: implications for mitigation fencing. *Wildlife Research* 42(8): 650-659.
- 3346 Graham, C. F., R. L. Eberts, T. D. Morgan, D. R. Boreham, S. L. Lance, R. G. Manzon, J. A. Martino, S. M. Rogers, J. Y. Wilson, and C. M. Somers. 2016. Fine-scale ecological and genetic population structure of two whitefish (Coregoninae) species in the vicinity of industrial thermal emissions. *PLoS ONE* 11(1): 1-20.
- 3347 Luhring, T. M. and C. A. Jennison. 2008. A new stratified aquatic sampling technique for aquatic vertebrates. *Journal of Freshwater Ecology* 23(3): 445-450.
- 3348 Quinn, D. P., T. D. Tuberville, and K. A. Buhlmann. 2016. Gopher Tortoise hatching success from predator-excluded nests at three sites in Georgia. *Herpetological Review* 47(1): 13-16.
- 3349 Lindell, A. H., R. C. Tuckfield, and J. V. McArthur. 2016. Differences in the effect of coal pile runoff (low pH, high metal concentration) versus natural Carolina Bay water (low pH, low metal concentration) on plant condition and associated bacterial epiphytes of *Salvinia minima*. *Bulletin of Environmental Contamination and Toxicology* 96(5): 602-607.

- 3350 Todd, B. D., B. J. Halstead, L. P. Chiquoine, J. M. Peaden, K. A. Buhlmann, T. D. Tuberville, and M. G. Nafus. 2016. Habitat selection by juvenile Mojave desert tortoises. *The Journal of Wildlife Management* 80(4): 720-728.
- 3351 Webster, S. C., M. E. Byrne, S. L. Lance, C. N. Love, T. G. Hinton, D. Shamovich, and J. C. Beasley. 2016. Where the wild things are: influence of radiation on the distribution of four mammalian species within the Chernobyl Exclusion Zone. *Frontiers in Ecology and the Environment* 14(4): 185-190.
- 3352 Tuberville, T. D., D. E. Scott, B. S. Metts, J. W. Finger Jr., and M. T. Hamilton. 2016. Hepatic and renal trace element concentrations in American alligators (*Alligator mississippiensis*) following chronic dietary exposure to coal fly ash contaminated prey. *Environmental Pollution* 214(2016): 680-689.
- 3353 Tannenbaum, L. V. and J. C. Beasley. 2016. Validating mammalian resistance to stressor-mediated reproductive impact using rodent sperm analysis. *Ecotoxicology* 25(2016): 584-593.
- 3354 Pepin, K. M., A. J. Davis, J. C. Beasley, R. Boughton, T. Campbell, S. M. Cooper, W. Gaston, S. Hartley, J. C. Kilgo, S. M. Wisely, C. Wyckoff, and K. C. VerCauteren. 2016. Contact heterogeneities in feral swine: implications for disease management and future research. *Ecosphere* 7(3): e01230.
- 3355 Dharmarajan, G., J. C. Beasley, W. S. Beatty, Z. H. Olson, J. A. Fike, and O. E. Rhodes Jr. 2016. Genetic co-structuring in host-parasite systems: Empirical data from raccoons and raccoon ticks. *Ecosphere* 7(3): e01269.
- 3356 Kennamer, R. A., G. R. Hepp, and B. W. Alexander. 2016. Effects of current reproductive success and individual heterogeneity on survival and future reproductive success of female Wood Ducks. *The Auk - Ornithological Advances* 133(3): 439-450.
- 3357 Li, D., S. Egodawatte, D. I. Kaplan, S. C. Larsen, S. M. Serkiz, and J. C. Seaman. 2016. Functionalized magnetic mesoporous silica nanoparticles for U removal from low and high pH groundwater. *Journal of Hazardous Materials* 317(2016): 494-502.
- 3358 Keiter, D. A., J. J. Mayer, and J. C. Beasley. 2016. What is in a "common" name? A call for consistent terminology for nonnative *Sus scrofa*. *Wildlife Society Bulletin* 40(2): 384-387.
- 3359 O'Bryhim, J. R., E. C. M. Parsons, M. P. Gilmore, and S. L. Lance. 2016. Evaluating support for shark conservation among artisanal fishing communities in Costa Rica. *Marine Policy* 71(2016): 1-9.

- 3360 Keiter, D. A., F. L. Cunningham, O. E. Rhodes Jr., B. J. Irwin, and J. C. Beasley. 2016. Optimization of scat detection methods for a social ungulate, the wild pig, and experimental evaluation of factors affecting detection of scat. PLoS ONE 11(5): e0155615.
- 3361 Rumrill, C. T., D. E. Scott, and S. L. Lance. 2016. Effects of metal and predator stressors in larval southern toads (*Anaxyrus terrestris*). Ecotoxicology 25(2016): 1278-1286.
- 3362 Holloman, K. A., C. E. Dallas, I. L. Brisbin Jr., and C. H. Jago. 1997. Spatial and temporal patterns of radiocesium contamination in mosquitofish, *Gambusia holbrooki* (Girard, 1859), inhabiting a nuclear reactor cooling reservoir. Journal of Environmental Radioactivity 35(3): 243-259.
- 3363 Weir, S. M., R. W. Flynn, D. E. Scott, S. Yu, and S. L. Lance. 2016. Environmental levels of Zn do not protect embryos from Cu toxicity in three species of amphibians. Environmental Pollution 214(2016): 161-168.
- 3364 Hamilton, M. T., C. A. Kuper, M. D. Kelley, J. W. Finger Jr., and T. D. Tuberville. 2016. Blood and plasma biochemistry reference intervals for wild juvenile American alligators (*Alligator mississippiensis*). Journal of Wildlife Diseases 52(3): 631-635.
- 3365 Lühring, T. M. 2009. Using PIT tags to evaluate non-individual-specific marks under field conditions: a case study with Greater Siren (*Siren lacertina*). Herpetological Review 40(2): 170-173.
- 3366 Schalk, C. M., B. A. Crawford, and T. M. Lühring. 2009. A note on predation of the Greater Siren (*Siren lacertina*). Bulletin Chicago Herp. Soc. 44(4): 56.
- 3367 Koster van Groos, P., D. I. Kaplan, H. Chang, J. C. Seaman, D. Li, A. D. Peacock, K. G. Scheckel, and P. R. Jaffé. 2016. Uranium fate in wetland mesocosms: Effects of plants at two iron loadings with different pH values. Chemosphere 163(2016): 116-124.
- 3368 Finger Jr., J. W., M. T. Hamilton, B. S. Metts, T. C. Glenn, and T. D. Tuberville. 2016. Chronic ingestion of coal fly-ash contaminated prey and its effects on health and immune parameters in juvenile American alligators (*Alligator mississippiensis*). Archives of Environmental Contamination and Toxicology 71(3): 347-358.
- 3369 Hadle, J. J., L. A. Konrade, R. R. Beasley, S. L. Lance, K. L. Jones, and J. B. Beck. 2016. Development of microsatellite markers for buffalograss (*Buchloë dactyloides*; Poaceae), a drought-tolerant turfgrass alternative. Applications in Plant Sciences 4(8): 1600033.

- 3370 Murphy, C. M., T. D. Tuberville, J. C. Maerz, and K. A. Andrews. 2016. Evaporative water loss rates of four species of aquatic turtles from the Coastal Plain of the southeastern United States. *Journal of Herpetology* 50(3): 457-463.
- 3371 Love, C. N., M. E. Winzeler, R. R. Beasley, D. E. Scott, S. O. Nunziata, and S. L. Lance. 2016. Patterns of amphibian infection prevalence across wetlands on the Savannah River Site, South Carolina, USA. *Diseases of Aquatic Organisms* 121(1): 1-14.
- 3372 O'Bryhim, J. R., E. C. M. Parsons, and S. L. Lance. 2017. Forensic species identification of elasmobranch products sold in Costa Rican markets. *Fisheries Research* 186(2017): 144-150.
- 3373 Scott, M. W., J. R. Hoffman, T. L. Hewitt, R. R. Beasley, S. L. Lance, K. L. Jones, T. J. Morris, and D. T. Zanatta. 2016. Development and characterization of 29 microsatellite markers for *Ligumia nasuta* (Bivalvia: Unionidae) using an Illumina sequencing approach. *Biochemical Systematics and Ecology* 66(2016): 239-242.
- 3374 DeVault, T. L., J. C. Beasley, Z. H. Olson, M. C. Moleón, A. Margalida, and J. A. Sánchez-Zapata. 2016. Ecosystem Services Provided by Avian Scavengers. pp.235-270 *In*: C. H. Şekercioglu, D. G. Wenny, and C. J. Whelan (Eds.). *Why Do Birds Matter? Birds' Ecological Functions and Ecosystem Services*. University of Chicago Press, Chicago, IL.
- 3375 Kierepka, E. M., S. D. Unger, D. A. Keiter, J. C. Beasley, O. E. Rhodes Jr., F. L. Cunningham, and A. J. Piaggio. 2016. Identification of robust microsatellite markers for wild pig fecal DNA. *Journal of Wildlife Management* 80(6): 1120-1128.
- 3376 Kosnicki, E., S. A. Sefick, M. H. Paller, M. S. Jerrell, B. A. Prusha, S. C. Sterrett, T. D. Tuberville, and J. W. Feminella. 2016. A stream multimetric macroinvertebrate index (MMI) for the Sand Hills ecoregion of the Southeastern Plains, USA. *Environmental Management* 58(4): 741-751.
- 3377 McArthur, J. V., D. E. Fletcher, R. C. Tuckfield, and C. Baker-Austin. 2016. Patterns of multi-antibiotic-resistant *Escherichia coli* from streams with no history of antimicrobial inputs. *Microbial Ecology* 72(4): 840-850.
- 3378 Smith, J. B., K. L. Turner, J. C. Beasley, T. L. DeVault, W. C. Pitt, and O. E. Rhodes Jr. 2016. Brown tree snake (*Boiga irregularis*) population density and carcass locations following exposure to acetaminophen. *Ecotoxicology* 25(8): 1556-1562.
- 3379 Podder, J., J. Lin, W. Sun, S. M. Botis, J. Tse, N. Chen, Y. Hu, D. Li, J. C. Seaman, and Y. Pan. 2017. Iodate in calcite and vaterite: Insights from

- synchrotron X-ray absorption spectroscopy and first-principles calculations. *Geochimica et Cosmochimica Acta* 198(2017): 218-228.
- 3380 Abernethy, E. F., K. L. Turner, J. C. Beasley, T. L. DeVault, W. C. Pitt, and O. E. Rhodes Jr. 2016. Carcasses of invasive species are predominantly utilized by invasive scavengers in an island ecosystem. *Ecosphere* 7(10): e01496.
- 3381 DeGregorio, B. A., T. D. Tuberville, R. A. Kennamer, B. B. Harris, and I. L. Brisbin Jr. 2017. Spring emergence of Eastern Box Turtles (*Terrapene carolina*): influences of individual variation and scale of temperature correlates. *Canadian Journal of Zoology* 95(1): 23-30.
- 3382 Cooper, Z., R. Bringolf, R. Cooper, K. Loftis, A. L. Bryan Jr., and J. A. Martin. 2017. Heavy metal bioaccumulation in two passerines with differing migration strategies. *Science of the Total Environment* 592(2017): 25-32.
- 3383 Edge, C. B., N. Rollinson, R. J. Brooks, J. D. Congdon, J. B. Iverson, F. J. Janzen, and J. D. Litzgus. 2017. Phenotypic plasticity of nest timing in a post-glacial landscape: how do reptiles adapt to seasonal time constraints? *Ecology* 98(2): 512-524.
- 3384 Fletcher, D. E., A. H. Lindell, G. K. Stillings, S. A. Blas, and J. V. McArthur. 2017. Trace element accumulation in lotic dragonfly nymphs: Genus matters. *PLoS ONE* 12(2): 1-27.
- 3385 Kennamer, R. A., R. E. Oldenkamp, J. C. Leaphart, J. D. King, A. L. Bryan Jr., and J. C. Beasley. 2017. Radiocesium in migratory aquatic game birds using contaminated U.S. Department of Energy reactor-cooling reservoirs: A long-term perspective. *Journal of Environmental Radioactivity* 171(2017): 189-199.
- 3386 Skupien, G. M., K. A. Andrews, and L. R. Larson. 2016. Teaching Tolerance? Effects of Conservation Education Programs on Wildlife Acceptance Capacity for the American Alligator. *Human Dimensions of Wildlife* 21(3): 264-279.
- 3387 Skupien, G. M. and K. A. Andrews. 2017. Factors Influencing the Abundance of American Alligators (*Alligator mississippiensis*) on Jekyll Island, Georgia, USA. *Journal of Herpetology* 51(1): 89-94.
- 3388 Finger Jr., J. W., M. T. Hamilton, T. C. Glenn, and T. D. Tuberville. 2017. Dietary selenomethionine administration in the American Alligator (*Alligator mississippiensis*): hepatic and renal Se accumulation and its effects on growth and body condition. *Archives of Environmental Contamination and Toxicology* 72(3): 439-448.
- 3389 Haskins, D. L., M. T. Hamilton, A. L. Jones, J. W. Finger Jr., R. B. Bringolf, and T. D. Tuberville. 2017. Accumulation of coal combustion residues and their

- immunological effects in the yellow-bellied slider (*Trachemys scripta scripta*). *Environmental Pollution* 224(2017): 810-819.
- 3390 Simner, S., F. Coutelot, H. Chang, and J. C. Seaman. 2017. Technetium leaching from cementitious materials. *MRS Advances* 2(13): 717-722.
- 3391 Keiter, D. A. and J. C. Beasley. 2017. Hog heaven? Challenges of managing introduced wild pigs in natural areas. *Natural Areas Journal* 37(1): 6-16.
- 3392 Hernández, F., R. E. Oldenkamp, S. Webster, J. C. Beasley, L. L. Farina, and S. M. Wisely. 2017. Raccoons (*Procyon lotor*) as sentinels of trace element contamination and physiological effects of exposure to coal fly ash. *Archives of Environmental Contamination and Toxicology* 72(2): 235-246.
- 3393 Byrne, M. E., A. E. Holland, A. L. Bryan Jr., and J. C. Beasley. 2017. Environmental conditions and animal behavior influence performance of solar-powered GPS-GSM transmitters. *The Condor/Ornithological Applications* 119(3):389-404.
- 3394 Nagle, R. D., O. M. Kinney, J. W. Gibbons, and J. D. Congdon. 2017. A simple and reliable system for marking hard-shelled turtles: the North American code. *Herpetological Review* 48(2):327-330.
- 3395 Keiter, D. A., J. C. Kilgo, M. Vukovich, F. L. Cunningham, and J. C. Beasley. 2017. Development of known-fate survival monitoring techniques for juvenile wild pigs (*Sus scrofa*). *Wildlife Research* 44(2):165-173.
- 3396 McArthur, J. V., C. A. Dicks, A. L. Bryan Jr., and R. C. Tuckfield. 2017. The effects of low-level ionizing radiation and copper exposure on the incidence of antibiotic resistance in lentic biofilm bacteria. *Environmental Pollution* 228(2017): 390-397.
- 3397 McArthur, J. V., R. C. Tuckfield, D. E. Fletcher, and A. H. Lindell. 2017. Effect of heavy metal pollution on the incidence of antibiotic resistance in *Aeromonas hydrophila* isolates obtained from the surface of fish. *Aquatic Microbial Ecology* 79(3): 197-207.
- 3398 Pappas, M. J., J. D. Congdon, and B. J. Brecke. 2017. Orientation in five species of hatchling river turtles dispersing from experimental nests. *Chelonian Conservation and Biology* 16(1): 3-11.
- 3399 Peadar, J. M., A. J. Nowakowski, T. D. Tuberville, and K. A. Buhlmann. 2017. Effects of roads and roadside fencing on movements, space use, and carapace temperatures of a threatened tortoise. *Biological Conservation* 214(2017): 13-22.

- 3400 Lovell, J. A., D. E. Fletcher, S. D. Cooper, and J. V. McArthur. 2017. Fish predation and macroinvertebrate abundance on snags in low-gradient blackwater streams. *Freshwater Science* 36(3): 626-634.
- 3401 Nafus, M. G., T. D. Tuberville, K. A. Buhlmann, and B. D. Todd. 2017. Precipitation quantity and timing affect native plant production and growth of a key herbivore, the desert tortoise, in the Mojave Desert. *Climate Change Responses* 4(4): 1-10.
- 3402 Turner, K. L., E. F. Abernethy, L. M. Conner, O. E. Rhodes Jr., and J. C. Beasley. 2017. Abiotic and biotic factors modulate carrion fate and vertebrate scavenging communities. *Ecology* 98(9): 2413-2424.
- 3403 Holland, A. E., M. E. Byrne, A. L. Bryan Jr., T. L. DeVault, O. E. Rhodes Jr., and J. C. Beasley. 2017. Fine-scale assessment of home ranges and activity patterns for resident black vultures (*Coragyps atratus*) and turkey vultures (*Cathartes aura*). *PLoS ONE* 12(7): e0179819.
- 3404 Meshaka, J., W.E., J. W. Gibbons, D. F. Hughes, M. W. Klemens, and J. B. Iverson. 2017. *Kinosternon subrubrum* (Bonaterre 1789) - Eastern Mud Turtle. *In: Rhodin, A. G. J., Iverson, J. B., van Dijk, P. P., Buhlmann, K. A., Pritchard, P. C. H., and Mittermeier, R. A. (Eds.). Conservation Biology of Freshwater Turtles and Tortoises: A Compilation Project of the IUCN/SSC Tortoise and Freshwater Turtle Specialist Group. Chelonian Research Monographs* 5(10): 101.1-16.
- 3405 Schlichting, P. E., A. E. Holland, J. C. Beasley, A. L. Bryan Jr., R. A. Kennamer, T. L. DeVault, B. F. Blackwell, and O. E. Rhodes Jr. 2017. Efficacy of an acoustic hailing device as an avian dispersal tool. *Wildlife Society Bulletin* 41(3): 453-460.
- 3406 DeGregorio, B. A., J. H. Sperry, T. D. Tuberville, and P. J. Weatherhead. 2017. Translocating ratsnakes: does enrichment offset negative effects of time in captivity? *Wildlife Research* 44(5): 438-448.
- 3407 Haskins, D. L., M. T. Hamilton, N. I. Stacy, J. W. Finger Jr., and T. D. Tuberville. 2017. Effects of selenium exposure on the hematology, innate immunity, and metabolic rate of yellow-bellied sliders (*Trachemys scripta scripta*). *Ecotoxicology* 26(8): 1134-1146.
- 3408 Oldenkamp, R. E., A. L. Bryan Jr., R. A. Kennamer, J. C. Leaphart, S. C. Webster, and J. C. Beasley. 2017. Trace elements and radiocesium in game species near contaminated sites. *Journal of Wildlife Management* 81(8): 1338-1350.
- 3409 Thompson, M., M. Reed, M. A. Pilgrim, S. D. Unger, and O. E. Rhodes, Jr. 2015. Mastering Medaka culture: Improved techniques for increasing egg and fry

- production in Japanese Rice Fish (*Oryzias latipes*). USC Upstate Student Research Journal 8(Fall): 26-33.
- 3410 Keiter, D. A., A. J. Davis, O. E. Rhodes, Jr., F. L. Cunningham, J. C. Kilgo, K. M. Pepin, and J. C. Beasley. 2017. Effects of scale of movement, detection probability, and true population density on common methods of estimating population density. *Scientific Reports* 7(9446): 1-12.
- 3411 Smith, J. B., L. J. Laatsch, and J. C. Beasley. 2017. Spatial complexity of carcass location influences vertebrate scavenger efficiency and species composition. *Scientific Reports* 7(10250): 1-8.
- 3412 Abernethy, E. F., K. L. Turner, J. C. Beasley, T. L. DeVault, W. C. Pitt, and O. E. Rhodes, Jr. 2014. Impacts of invasive species on ecosystem energy flow on the Big Island of Hawai'i: Excuse me, but are you going to eat that cane toad? pp. 40-42 *In*: R. M. Timm and J. M. O'Brien (Eds.). *Proceedings of the 26th Vertebrate Pest Conference*, University of California, Davis, CA.
- 3413 Abernethy, E. F., K. L. Turner, J. C. Beasley, and O. E. Rhodes Jr. 2017. Scavenging along an ecological interface: utilization of amphibian and reptile carcasses around isolated wetlands. *Ecosphere* 8(11): 1-12.
- 3414 Mayer, J. J. and J. C. Beasley. 2018. Wild Pigs. pp. 221-250 *In*: W. C. Pitt, J. C. Beasley, and G. W. Witmer (Eds.). *Ecology and Management of Terrestrial Vertebrate Invasive Species in the United States*. CRC Press, Taylor & Francis Group, Boca Raton, FL.
- 3415 DeVault, T. L., T. W. Seamans, K. E. Linnell, D. W. Sparks, and J. C. Beasley. 2017. Scavenger removal of bird carcasses at simulated wind turbines: Does carcass type matter? *Ecosphere* 8(11): 1-10.
- 3416 Minton, R. L., R. R. Beasley, S. L. Lance, and K. E. Perez. 2017. Development, characterization, and utility of 13 polymorphic microsatellite loci in *Praticolella* (Gastropoda: Polygyridae) species from South Texas, U.S.A. *American Malacological Bulletin* 35(2): 158-162.
- 3417 Nunziata, S. O., S. L. Lance, D. E. Scott, E. M. Lemmon, and D. W. Weisrock. 2017. Genomic data detect corresponding signatures of population size change on an ecological time scale in two salamander species. *Molecular Ecology* 26(4): 1060-1074.
- 3418 Obae, S. G., M. H. Brand, B. A. Connolly, R. R. Beasley, and S. L. Lance. 2017. Microsatellite markers for *Aronia melanocarpa* (black chokeberry) and their transferability to other *Aronia* species. *HortScience* 52(1): 20-23.

- 3419 O'Bryhim, J. R., D. H. Adams, J. L.Y. Spaet, G. L. Mills, and S. L. Lance. 2017. Relationships of mercury concentrations across tissue types, muscle regions and fins for two shark species. *Environmental Pollution* 223(2017): 323-333.
- 3420 Pathak, A., A. Chauhan, P. Stothard, S. Green, M. Maienschein-Cline, R. Jaswal, and J. C. Seaman. 2017. Genome-centric evaluation of *Burkholderia* sp. strain SRS-W-2-2016 resistant to high concentrations of uranium and nickel isolated from the Savannah River Site (SRS), USA. *Genomics Data* 12(2017): 62-68.
- 3421 Somers, C. M., C. F. Graham, J. A. Martino, T. R. Frasier, S. L. Lance, L. E. Gardiner, and R. G. Poulin. 2017. Conservation genetics of the eastern yellow-bellied racer (*Coluber constrictor flaviventris*) and bullsnake (*Pituophis catenifer sayi*): River valleys are critical features for snakes at northern range limits. *PLoS ONE* 12(11): e0187322.
- 3422 Unger, S. D., E. F. Abernethy, S. L. Lance, R. R. Beasley, B. A. Kimball, T. W. McAuliffe, K. L. Jones, and O. E. Rhodes Jr. 2015. Development and characterization of 33 novel polymorphic microsatellite markers for the brown tree snake *Boiga irregularis*. *BMC Research Notes* 8(658): 1-4.

END OF LIST . . .