

CURRICULUM VITAE OF
CHARLES CONGDEN CARPENTER

Professor Emeritus of Zoology University of Oklahoma
Curator Emeritus Herpetology Sam Noble Oklahoma Museum of Natural History

BORN: Denison, Iowa, 2 June 1921

MARRIED: Mary Frances (Pitynski) Carpenter, 2 September 1947. Children: Janet Eleanor (b 9 Feb. 1953); Caryn Sue(Vaughn) (b.15 Nov. 1955); Geoffrey Congden (b. 28 June 1960).

EDUCATION: B.A. Degree,1943, Northern Michigan College of Education
(now Northern Michigan University), Marquette, MI
A.S.T.P. Diploma (Army Specialized Training Program)
Tarleton State College, 1943-44, Stephenville, TX
Stanford University, 1944, Palo Alto, CA (Diploma)
Wayne University College of Medicine,1945, Detroit, MI
M.S. Degree,1947, University of Michigan, Ann Arbor, MI
Ph.D. Degree,1951, University of Michigan, Ann Arbor, MI

PROFESSIONAL EXPERIENCE:

Laboratory Assistant, Zoology, Northern Michigan College of Education, 1941-43.
Teaching Assistant, Zoology, University of Michigan, 1946.
Assistant in Herpetology and Mammalogy, University of Michigan Biological Station, 1948.
Teaching Fellow, Zoology, University of Michigan, 1947-51.
Instructor, Zoology, University of Michigan, 1951-52.
Instructor, Biology, Wayne University, Detroit, Michigan, Fall, 1952
Instructor, University of Oklahoma Biological Station, Summer, 1952.
Assistant Professor of Zoology, University of Oklahoma, and the University of Oklahoma Biological Station, 1953-59
Associate Professor of Zoology, University of Oklahoma and the University of Oklahoma Biological Station, Curator of Reptiles and Amphibians, Stovall Museum of Science and History, 1959-66.
Professor of Zoology, University of Oklahoma and the University of Oklahoma Biological Station, Curator of Reptiles and Amphibians, Stovall Museum of Science and History, (now Sam Noble Oklahoma Museum of Natural History), 1966-1987.
Retired on December 31, 1987 as Professor Emeritus of Zoology and Curator Emeritus of Herpetology, Sam Noble Oklahoma Museum of Natural History, 1987 to present.

MILITARY: Army Service Forces (Army Medical Corps) and Army Specialized Training Program. April 1943 to April 1946.

HONORS AND AWARDS

The Distinguished Alumni Award - Northern Michigan University 1972. Marquette, MI
Award of Appreciation, School Out-Of-Doors. University School, University of Oklahoma.

“For Continuous and Outstanding Contributions”, 1958-1973.

Recognition Award, University of Oklahoma Biological Station.

For 25 years of service. Summer of 1977.

The Regents’ Award for Superior Accomplishment in Research and Creative Activity.

Awarded by The Board of Regents of the University of Oklahoma on April 10, 1980.

The Explorers Club. Fellow. 1980-1992

Who’s Who in the World. 1980-2005

Research Associate, Department of Herpetology, Dallas Zoo., Dallas, TX 1980.

W. Frank Blair Eminent Naturalist Award of the Southwestern Association of Naturalists.

First Recipient. 1986

Outstanding Scientist Award from the Oklahoma Academy of Science for 1991.

Nature Conservancy Recognition

Recognized, with Mary Carpenter, as one of the first members (**Pioneer Member**) of the Nature Conservancy in the State of Oklahoma, by the Oklahoma Chapter of the Nature Conservancy. April 25, 1992

Charles C. Carpenter Library of Herpetology. Named during the dedication of the Sam Noble Oklahoma Museum of Natural History in May 2000.

Carpenter Classroom

Classroom at the University of Oklahoma Biological Station named in the honor of Dr. Charles Congden Carpenter. From his students. July 12, 2003.

RESEARCH GRANTS AND AWARDS

National Science Foundation (11), New York Zoological Society (1), OU Research Institute (6), OU Faculty Research Committee (5), OU Alumni Development Fund (2), Oklahoma Department of Wildlife Conservation (1), Oklahoma Natural Heritage Inventory (1).

PROFESSIONAL AND HONOR SOCIETIES

American Institute of Biological Sciences

American Ornithologists Union

American Society of Ichthyologists and Herpetologists

American Society of Mammalogists

American Society of Zoologists

Helped form the division. Secretary of the Division of Animal Behavior and Sociobiology, 1966-68.

Animal Behavior Society

Charter Member (Founder) - 1964-65

Secretary, Executive Committee 1966-68

Fellow (Elected 1970)

Animal Research Council of the Oklahoma City Zoo

Organizing Committee, 1972.

Secretary and Executive Committee, 1972-76

Executive Committee, 1978-1985

1980 - Chair - Search Committee for Research Curator

1980 - Chair - Executive Committee

British Ecological Society

Charles Darwin Foundation for the Galapagos Islands

Advisory Committee - Herpetology - 1966-1972.

Ecological Society of America

Charter Member, Sect. Animal Behavior and Sociobiology Secretary, Sect. Animal Behavior and Sociobiology 1966-68.

Grassland Research Foundation

Acting Secretary, 1958.

Treasurer and Board of Directors, 1958-62.

Herpetologist's League

Fellow (Elected 1962, First Class)

President Elect, 1972 and 1973.

President, 1974 and 1975.

Executive Council, 1976-81.

Nature Conservancy - Joined in late 1950s

Oklahoma Academy of Science

Joined - 1953, Fellow (Elected 1958). Vice-Chairman of Section A, 1954-55.

Chairman of Section A, 1955-56. Organized and ran Spring Field Meeting, 1958-59.

Local Arrangements Committee (Paper), 1958-59. Chair of paper session, 1958-59, 1984.

Membership Committee, 1958-60, 1965, 1968, 1971-72, Local Arrangements Comm. 1963

Fellows Committee, 1964. Local Arrangements Committee, 1966

President Elect - 1969.

President - 1970.

Nominating Committee, 1971-73. Leader of many spring meeting field trips, 1958-1976, 1986, 1988, 1989, 1990, 1991. Also many fall field trips in herpetology. 1990, 1991.

Government Liaison Committee, 1991.

Nov. 8, 1991. Recipient of "Outstanding Scientist Award"

Oklahoma Herpetological Society Charter Member

Oklahoma Zoological Society (Of the Oklahoma City Zoo)

Many years on Animal Research Council - See above

Oklahoma Wildlife Federation

Phi Kappa Phi (Honorary Society)

Phi Sigma Society (Honorary Society) - Beta Chapter. Secretary - 1949-50

Societas Europaea Herpetologica

Society for the Study of Amphibians and Reptiles -Charter Member

Southwestern Association of Naturalists

Charter Member, 1953. Member of organizational meeting.
Board of Governors, 1964-68. President Elect, 1967-1968.
President, 1968-1969. Permanent Secretary, 1973-1977.

W. Frank Blair Eminent Naturalist Award, 1986 First Recipient.

Awarded Apr. 1987, San Marcos, TX

The Society of the Sigma Xi (Honorary Society)

Executive Council, OU Chapter. 1965-72. President, OU Chapter, 1969-70.

Wilderness Society, joined in 1960s

Wildlife Society - Oklahoma Chapter

Wilson Ornithological Society 1948-1987

EXPEDITIONS AND FIELD STUDIES

1947 - University of Michigan Paleontology Expedition. Summer. Kansas and Colorado

1951 - Jackson Hole Research Station, Wyoming. Grant-in-aid from New York Zoological Society.

1956-1979. 11 expeditions throughout Mexico and SW United States.

1962 - Galapagos Islands, Ecuador. Four and one half months research expedition sponsored by grant from the National Science Foundation.

1964 - Galapagos International Scientific Project.

Invited Scientist. Galapagos Islands and Cocos Island. (11 weeks)

1964 - Gulf of California, Mexico. Visited 15 islands of the Gulf. NSF grant.

1982 - Puerto Rico. Sabbatical Leave. 15 Feb. - 12 Apr.

PUBLICATIONS - 147 ABSTRACTS - 24 BOOK REVIEWS - 39

RESEARCH PAPERS PRESENTED - 125

LECTURES AND SEMINARS - 214

RADIO AND TELEVISION PROGRAMS - 32

RESEARCH PROPOSALS REVIEWED - 119

National Science Foundation, National Geographic Society, Animal Research Council (OK City Zoo), American Philosophical Society, Guggenheim Fellowship Fund, Smithsonian Scholarly Studies Program, Oklahoma Department of Wildlife Conservation, Texas A & M University, Oklahoma State University, University of New York

SCIENTIFIC PAPERS REFEREED - 275

Animal Behaviour, Behaviour, Bull. Florida State Museum, Herpetologica, Copeia, Southwestern Naturalist, Tulane Studies in Biology, Proceeding of the Oklahoma Academy of Science, Journal of Herpetology, Kansas Science Series, Ecological Monographs, Science, University of Kansas Museum Publications, University of Kansas Science Bulletin, Resource Center of Tulane University, American Midland Naturalist, Herpetological Review, Arizona Sonora Desert Museum, Journal of Chemical Ecology, Auk, Transaction of the Kansas Academy

of Science, New York Zoological Society, Biotropica, Bombay Natural History Society, Fish and Wildlife Service, Milwaukee Public Museum, Canadian Journal of Zoology, National Geographic Society, Zeitschrift of Tierpsychologie, American Naturalist, Bulletin of the Oklahoma Herpetological Society, Brimleyana, Ethology, Oklahoma Department of Wildlife Conservation, Texas Academy of Science, Zoo Biology

CONSULTING

1972. Environmental Assessment Study. Herpetology. Kiamichi Reservoir, S. E. Oklahoma Through the Oklahoma Biological Survey
1975. Benham-Blair & Associates, Inc., Oklahoma City, OK
Herpetology. Environmental Assessment.
1977. W. R. Holway and Associates, Oklahoma City, OK
Herpetology. Environmental Assessment.
1979. Oklahoma City Zoo.
Scientific Consultant for the Galapagos Island Exhibit and Building
1985. NUS Corporation
Oklahoma Biological Survey. Endangered Species of Eastern Oklahoma.
1991. Monitoring Amphibians Populations in Teton National Park.
- 1991-92. Oklahoma Natural Heritage Program of the Oklahoma Biological Survey.
Survey of past and present distribution and status of the Texas Horned Lizard (*Phrynosoma cornutum*) in Oklahoma.

COLLABORATOR

1960. Salvage Archeology in Oklahoma.
1961. Encyclopaedia Britannica Films, Inc.

GRADUATE STUDENTS DIRECTED

- Ph.D. - 26
M.S. - 21
M.N.S.- 3

DOCTORAL DISSERTATIONS DIRECTED BY CHARLES C. CARPENTER

Graduate student, year and title

Mahmoud, Ibrahim Younis 1960. The comparative ecology of the kinosternid turtles of Oklahoma. 229 p.

Lynn, Robert Thomas 1963. Comparative behavior of the horned lizards, genus *Phrynosoma* of the United States. 76 p

Clarke, Robert Francis 1963. An ethological study of the iguanid lizard genera *Callisaurus*, *Cophosaurus*, and *Holbrookia*. 136 p

Ruffer, David Gray 1964. Studies on the ethology of the northern grasshopper mouse (*Onychomys leucogaster*). 104 p.

- Griffith, Susan Jane** 1966. Display variation and behavior associated with dominance in two subspecies of *Sceloporus undulatus* - Iguanidae. 32 p.
- Ogilvie, Philip W.** 1966. An anatomical and behavioral investigation of a previously undescribed pouch in certain species of the genus *Chamaeleo*. 66 p.
- Quanstrom, Walter Roy** 1968. Some aspects of the ethoecology of Richardson's ground squirrel in Eastern North America. 121 p.
- Tyler, Jack D.** 1968. Distribution and vertebrate associates of the black-tailed prairie dog in Oklahoma. 85 p.
- Jenssen, Thomas Alan** 1969. Ethoecology and display analysis of *Anolis nebulosus* (Sauria, Iguanidae). 235 p.
- Preston, William Burton** 1970. The comparative ecology of two water snakes, (*Natrix rhombifera* and *Natrix erythrogaster*) in Oklahoma. 79 p.
- Curry, James Ronald** 1970. A comparative ethoecological study of the Carolina chickadee (*Parus carolinensis*) and tufted titmouse (*Parus bicolor*) in central Oklahoma. 141 p.
- Marcellini, Dale Leroy** 1970. Ethoecology of *Hemidactylus frenatus* (Sauria, Gekkonidae) with emphasis on agonistic behavior. 200 p.
- Bussjaeger, Louis John** 1971. Phylogenetic significance of the comparative ethology of the *spinosus* group of *Sceloporus* Iguanidae. 186 p.
- Whitson, Martha Anne** 1972. Courtship and copulation in *Geococcyx californianus* (Aves, Cuculidae). 141 p.
- Conant, Sheila (Frings)** 1972. Visual and acoustic communication in the blue jay. 164 p.
- Black, Jeffrey Howard** 1973. Ethoecology of *Scaphiopus* (Pelobatidae) larvae in temporary pools in central and southwestern Oklahoma. 221 p.
- Sassaman, Jan Frederick** 1974. Heart rate of lizards of the families Iguanidae and Agamidae as an indicator of behavioral response to social stimuli. 86 p.
- Purdue, James Richard** 1974. Adaptations of the snowy plover, *Charadrius alexandrinus* to an inland salt plain. 73 p.
- Brackin, Michael Francis** 1975. The relation of status to behavior and anatomy in dominance hierarchies of six-lined racerunner lizards. 41 p.
- Gillingham, James Clarke** 1976. Reproductive behavior of the rat snakes of eastern North America, genus *Elaphe*. 68 p.

Stalling, Dick Turner 1977. Aspects of the behavior, ecology and physiology of the rice rat *Oryzomys palustris*. 175 p.

Leuck, Beth Emily 1980. Life with and without sex: comparative behavior of three species of whiptail lizards (*Cnemidophorus*, Teiidae). 104 p.

Snow, Jonathan 1984. Feeding ecology of juvenile turtles (*Chrysemys*) under experimental conditions. 108 p.

Paulissen, Mark Andrew 1986. Ontogenetic changes in the ecology of the six-lined racerunner, *Cnemidophorus sexlineatus* (Sauria: Teiidae). 129 p.

Krupa, James John 1987. Mate choice and mate location tactics in the Great Plains toad (*Bufo cognatus*). 92 p.

Richardson, Robin Kay 1990. Life history, soil associations and contests for burrows in a burrowing spider, *Lycosa missouriensis*, Banks. 159 p.

MASTERS THESES DIRECTED BY CHARLES C. CARPENTER

Student, year and thesis title

Evans, Kenneth Jack 1958. A comparison of the diel phases of an insect population by the sweep-net method. 88 p.

Richardson, Robert Gale 1958. The comparative behavior of some Oklahoma mice of the families Heteromyidae, Cricetidae, and Muridae and its ecological implications. 49 p.

Jewell, James Arthur 1960. A behavior study of the Virginia opossum (*Didelphis marsupialia*) 54 p.

Grubitz, Gene, III 1963. The social behavior of the thirteen-ground squirrel (*Citellus tridecemlineatus*). 57 p.

Mosley, Kirk Thornton, Jr. 1963. Behavior patterns of the collared lizard (*Crotaphytus collaris collaris*). 50 p.

Yoshida, Julia K. 1966. Studies on the development of social behavior in some hatchling and juvenile iguanid and agamid lizards. 55 p.

Haislip, Thomas W., Jr. 1968. The reproductive behavior of the scissortail-flycatcher *Muscivora forficata* in southern Oklahoma. 62 p.

Penner, Jeremy Edward 1970. The ecology and behavior of two lizards of the genus *Sceloporus* (Iguanidae) from Yucatan, Mexico. 66 p.

Purdue, James R. 1970. A comparative study of the body movements of displaying males of the lizard genus *Sceloporus* (Iguanidae). 57 p.

McCardell, John Henry 1971. Temperature effects on the aggressive displays of *Anolis carolinensis*. 39 p.

Hawes, Robert Lee 1972. Social behavior of winter flocks of slate-colored juncos. 36 p.

Christensen, Michael Thomas 1974. Comparative aggressive behavior of wild and genetically sterile Norway rats, *Rattus norvegicus*. 40 p.

Echelle, Alice Virginia 1976. Dewlap size and growth characteristics in beta anoles (Sauria, Iguanidae) with preliminary description of aggressive displays. 56 p.

Ford, Neil Bowman 1976. Pheromone trailing behavior in three species of garter snake (*Thamnophis*). 32 p.

Hutton, Anne Ellen 1976. Spatial relationships in perching barn and cliff swallows. 33 p.

Ball, Robert Leroy 1978. The courtship and mating behavior of a Mexican garter snake, *Thamnophis melanogaster*. 43 p.

Fong, Daniel W. 1980. Ecology and behavior of the Great Plains ground snake, *Sonora episcopa episcopa*, in Oklahoma. 71 p.

Goldsmith, Steven Kurt 1981. Behavior and ecology of the rough green snake (*Opheodrys aestivus*). 95 p.

Morton, David Michael. 1982. The behavior of the western slender glass lizard (*Ophisaurus attenuatus attenuatus*). 127 p.

Secor, Stephen Molyneux 1985. Courtship and mating of the speckled kingsnake, *Lampropeltis getulus holbrooki*. 55 p.

Dixon, Kevin Alan 1987. Morphological and behavioral adaptations of the ground skink, *Scincella lateralis*, to a leaf litter habitat. 75 p.

MNS (MASTER OF NATURAL SCIENCE) DEGREES DIRECTED
Student, MNS paper, year

Lycan, Syd. 1970. The taxonomy, distribution and life history of the amphisbaenid genus *Bipes*.

Van Wagoner, Leon Ray. 1970. A summary of the behavior of the wolf (*Canis lupus*)

Clayborn, Alvie. 1983. A comparative review of the life history of *Graptemys ouachetensis* and *Chrysemys scripta elegans*

COURSES TAUGHT: General Zoology, Zoology II, Comparative Anatomy, Vertebrate Embryology, Human Anatomy, Anatomy and Physiology, Natural History of the Vertebrates, Herpetology, Ornithology, Bioecology, Animal Ecology, Animal Kingdom-Vertebrates, Zoogeography, Animal Behavior, Ethoecology, Graduate seminars in Animal Behavior and Ethoecology.

I was instrumental in developing the graduate program in Animal Behavior at the University of Oklahoma and the Animal Behavior Laboratory on the North Campus.

I taught for 35 summers at the University of Oklahoma Biological Station on Lake Texoma.

PUBLICATIONS OF CHARLES C. CARPENTER

1. Carpenter, C. C. 1947. Copulation in the fox snake. *Copeia* 1947(4):275.
2. Carpenter, C. C. 1948. An erythristic *Thamnophis sirtalis sirtalis*. *Herpetologica* 4(6):211-212.
3. Carpenter, C. C. 1950. Role of food habits in interspecific competition between Michigan garter snakes. *Anatomical Record* 108(3):83.
4. Carpenter, C. C. 1951. Young gold finches eaten by garter snake. *Wilson Bulletin* 63(2): 117-118
5. Carpenter, C. C. and D. E. Delzell. 1951. Road records as indicators of differential spring migration of amphibians. *Herpetologica* 7(2):63-64.
6. Carpenter, C. C. 1952. Comparative ecology of the common garter snake (*Thamnophis sirtalis sirtalis*), the ribbon snake (*Thamnophis sauritus sauritus*), and Butler's garter snake (*Thamnophis butleri*) in mixed populations. *Ecological Monographs* 22(4):235-258.
7. Carpenter, C. C. 1952. Growth and maturity of the three species of *Thamnophis* in Michigan. *Copeia* 1953(4):237-243.
8. Carpenter, C. C. 1953 Weight-length relationship of Michigan garter snakes. *Papers of the Michigan Academy of Science, Arts and Letters* 38:147-150.
9. Carpenter, C. C. 1953. Trapping technique for aquatic salamanders. *Herpetologica* 8(4):183.
10. Carpenter, C. C. 1953 A study of hibernacula and hibernating associations of snakes and amphibians in Michigan. *Ecology* 34(1):74-80.

11. Carpenter, C. C. 1953. An ecological survey of the herpetofauna of the Grand Teton-Jackson Hole area of Wyoming. *Copeia* 1953(3):170-174.
12. Carpenter, C. C. 1953. Aggregation behavior of tadpoles of *Rana p. pretiosa* *Herpetologica* 9(2):77-78..
13. Carpenter, C. C. 1954. A study of amphibian movement in the Jackson Hole Wildlife Park. *Copeia* 1954(3):197-200.
14. Carpenter, C. C. 1954. The presence and variation of lateral red coloration in a population of common garter snakes (*Thamnophis sirtalis sirtalis*). *Herpetologica* 10(2):89-91.
15. Carpenter, C. C. 1955. Marbled godwit collected at Lake Texoma, Oklahoma. *Proceedings of the Oklahoma Academy of Science* 34:103.
16. Carpenter, C. C. 1955. Sounding turtles: a field locating technique. *Herpetologica* 11(2):120.
17. Carpenter, C. C. 1955. Aposematic behavior in the salamander *Ambystoma tigrinum melanostictum*. *Copeia* 1955 (4):311.
18. Carpenter, C. C. 1955. The garter snake. *Scientific Monthly* 81(5):248-253.
19. Carpenter, C. C. 1956. An unusually large diamond-backed water snake (*Natrix rhombifera*) from Buncombe Creek, Lake Texoma. *Proceedings of the Oklahoma Academy of Science* 35:42.
20. Carpenter, C. C. 1956. Feeding aggregation of narrow mouth toads (*Microhyla carolinensis olivacea*). *Proceedings of the Oklahoma Academy of Science* 35:45.
21. Carpenter, C. C. 1956. Records of distribution for amphibians and reptiles of Oklahoma. *Proceedings of the Oklahoma Academy of Science* 35:39-41.
22. Carpenter, C. C. 1956. Body temperatures of three species of *Thamnophis*. *Ecology* 37(4):732-735.
23. Carpenter, C. C. 1956. The common garter snake. *Science Digest* 39(5):7-10.
24. Carpenter, C. C. 1956. Carapace pits in the three-toed box turtle, *Terrapene carolina triunguis* (Chelonia-Emydidae). *Southwestern Naturalist* 1(2):83-86.
25. Carpenter, C. C. 1957 An albino speckled king snake (*Lampropeltis getulus holbrooki*). *Herpetologica* 13(1):78.
26. Carpenter, C. C. 1957. Michigan's salamanders. *Jack-pine Warbler* 35(1):6-8.

27. Carpenter, C. C. 1957. Michigan's frogs and toads. *Jack-pine Warbler* 35(2):64-67.
28. Carpenter, C. C. 1957. Michigan's turtles and lizards. *Jack-pine Warbler* 35(3):83-85.
29. Carpenter, C. C. 1957. Michigan's snakes. *Jack-pine Warbler* 35(4):114-116.
30. Carpenter, C.C. 1957. Hibernation, hibernacula and associated behavior of the three-toed box turtle (*Terrapene carolina triunguis*). *Copeia* 1957(4):478-482.
31. Carpenter, C. C. 1958. Reproduction, young, eggs and food of Oklahoma snakes. *Herpetologica* 14(2):113-115.
32. Carpenter, C. C. 1958. An unusual Ouachita map turtle. *Herpetologica* 14(2):116.
33. Carpenter, C. C. 1958. Additional distribution records for Oklahoma reptiles. *Proceedings of the Oklahoma Academy of Science* 38:71-74.
34. Carpenter, C. C. 1958. The amphibians and reptiles of the University of Oklahoma Biological Station area in south central Oklahoma. *Proceedings of the Oklahoma Academy of Science* 36:39-46.
35. Carpenter, C. C. and G. W. Scott. 1958. Body temperatures of *Bufo w. woodhousei*. *Proceedings of the Oklahoma Academy of Science* 36:84-85.
36. Carpenter, C. C. and D. Keeton. 1958. A study of the variation of dorsal markings of *Bufo w. woodhousei*. *Proceedings of the Oklahoma Academy of Science* 36:81-83.
37. Carpenter, C. C. 1959. Reptiles cents. *Oklahoma Wildlife* 15(3):14.
38. Carpenter, C. C. 1959. Reptiles and amphibians of the Oliver Wildlife Preserve. *Proceedings of the Oklahoma Academy of Science* 37:33-34.
39. Carpenter, C. C. 1959. A population of *Sceloporus undulatus consobrinus* in south-central Oklahoma. *Southwestern Naturalist* 4(2):110-111.
40. Carpenter, C. C. 1959 A population of the six-lined racerunner (*Cnemidophorus sexlineatus*). *Herpetologica* 15(2):81-86.
41. Carpenter, C. C. 1959. Check list of amphibians and reptiles. *In* the zoology section of the "Guide to Roman Nose State Park." Guide Book IX, Oklahoma Geological Survey. pages.
42. Carpenter, C. C. 1959. Opportunities for animal behavior research in Oklahoma. *Proceedings Oklahoma of the Academy of Science* 39:87-98.

43. Carpenter, C. C. 1960. Aggressive behavior and social dominance in the six-lined racerunner, *Cnemidophorus sexlineatus*. *Animal Behaviour* 8(1-2):61-66.
44. Carpenter, C. C. 1960. Parturition and behavior at hatching of Yarrow' spiny lizard (*Sceloporus j. jarrovi*). *Herpetologica* 16(2):137-138.
45. Carpenter, C. C. 1960. A large brood of western pigmy rattlesnakes. *Herpetologica* 16(2):142-143.
46. Carpenter, C. C. 1960. Reproduction of Oklahoma *Sceloporus* and *Cnemidophorus*. *Herpetologica* 16(3):175-182.
47. Carpenter, C. C. and G. Grubitz, III. 1960. Dominance shifts in the tree lizard (*Urosaurus ornatus* - Iguanidae). *Southwestern Naturalist* 5(3):123-128.
48. Carpenter, C. C. and G. Grubitz, III. 1961. Time-motion study of a lizard. *Ecology* 42(1):199-200.
49. Carpenter, C. C. 1961. Patterns of social behavior in the desert iguana, *Dipsosaurus dorsalis*. *Copeia* 1961(4):396-405.
50. 1961. Carpenter, C. C. Patterns of social behavior of Merriam's canyon lizard (*Sceloporus merriami* - Iguanidae). *Southwestern Naturalist* 6(3-4):138-148.
51. Carpenter, C. C., H. L. Cleveland, W. A. Talbot, J. M., Goode, H. J. Merriman, and D. R. Taylor. 1961 A *Uta* invasion of Oklahoma. *Southwestern Naturalist* 6(3-4):192-193.
52. Carpenter, C. C. 1961. Temperature relationships of two Oklahoma lizards. *Proceedings of the Oklahoma Academy of Science* 41:72-77.
53. Carpenter, C. C. 1962. Patterns of behavior in two Oklahoma lizards. *American Midland Naturalist* 67(1):132-152.
54. Carpenter, C. C. 1962. A comparison of the patterns of display of *Urosaurus*, *Uta* and *Streptosaurus*. *Herpetologica* 18(3):145-152.
55. Carpenter, C. C. 1963. Amphibians and reptiles of McCurtain County. *IN Guide to Beavers Bend State Park. Guide Book XI. Oklahoma Geological Survey, Univ. Oklahoma.* pp. 33-34.
56. Carpenter, C.C. 1963. Revision of checklist of Amphibians and Reptiles of the Wichita Mountains Wildlife Refuge. Mimeographed handout printed at the Refuge.
57. Carpenter, C. C. 1963. Patterns of behavior in three forms of the fringe-toed lizards (*Uma* -Iguanidae). *Copeia* 1963(2):406-412.
58. Carpenter, C. C. 1963. Lava Life, Latitude Zero. *Bios* 34(3):95-107.

59. Carpenter, C. C. 1964. Comparative behavior of the lava lizards (*Tropidurus*) of the Galapagos Islands. *American Zoologist* 4(3):26.
60. Carpenter, C. C. 1965. The display of the Cocos Island anole. *Herpetologica* 21(4):256-260.
61. Carpenter, C. C. 1966. Behavioral studies on reptiles - bobs, nods, and pushups. *The American Biology Teacher* 28(9):527-629.
62. Carpenter, C. C. 1966. Comparative behavior of the Galapagos lava lizards (*Tropidurus*). *IN The Galapagos; Proceedings of the Galapagos International Scientific Project.* (R. I. Bowman, editor). Paper 35:269-273. University of California Press, Berkeley.
63. Carpenter, C. C. 1966. The marine iguana of the Galapagos Islands, its behavior and ecology *Proceedings of the California Academy of Sciences. Fourth Series. Vol. 34(6):329-376.*
64. Carpenter, C. C. 1966. Notes on the behavior and ecology of the Galapagos tortoise on Santa Cruz Island. *Proceedings of the Oklahoma Academy Science* 46:28-32.
65. Carpenter, C. C. and J. K. Yoshida. 1966. Predation on lizards by *Callisoma* (Coleoptera). *Southwestern Naturalist* 11(3):413-414.
66. Carpenter, C. C. and J. K. Yoshida. 1967. One-egg twins in *Agama agama*. *Herpetologica* 23(1):57-59.
67. Carpenter, C. C. 1967. Aggression and social structure in iguanid lizards. *IN Lizard Ecology; A Symposium.*(W. H. Milstead editor). University of Missouri Press, Columbia. pp. 87-105.
68. Carpenter, C. C., L. J. Bussjaeger, H. L. Cleveland and D. L. Marcellini. 1967. Turkey vulture migration in Veracruz, Mexico. *Condor* 69(4):425-426.
69. Carpenter, C. C. 1967. Display patterns of the Mexican iguanid lizards of the genus *Uma*. *Herpetologica* 23(4):285-293.
70. Carpenter, C. C. 1968. Behavior patterns of breeding frogs and toads. *IN Animal Behavior in Laboratory and Field.* (Allen W. Stokes, editor). Exercise No. 23, pp. 105-107. W. H. Freeman and Co., San Francisco. Separate 818.
71. Carpenter, C. C. 1968. Social structure and display patterns of iguanid lizards. *IN Animal Behavior in Laboratory and Field.* (Allen W. Stokes, editor). Exercise No. 24. pp. 109-112. W. H. Freeman and Co., San Francisco. Separate 819.
72. Carpenter, C. C. 1968. Some findings on Galapagos lizards. *Noticias de Galapagos.* (9-10):18-20.

73. Black, J. H. and C. C. Carpenter. 1969. Arthur Norris Bragg 18 December 1897 - 27 August 1968 (Obituary) *Copeia* 1969(2):419-420.
74. Carpenter, C. C. 1969. Behavioral and ecological notes on the Galapagos land iguanas. *Herpetologica* 24(3):155-164.
75. Blanc, C. P and C. C. Carpenter. 1969. Studies on the Iguanidae of Madagascar. III. Social and reproductive behavior of *Chalarodon madagascariensis*. *Journal of Herpetology* 3(3-4):125-134.
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- 143., 144, 145, 146. To be published in 2004 or 2005.
For *Oklahoma Encyclopedia of History and Culture* - Entries on: Thomas Say, Edwin James, Margaret Morse Nice, Edith Force (Kassing). Submitted on February 12, 2002