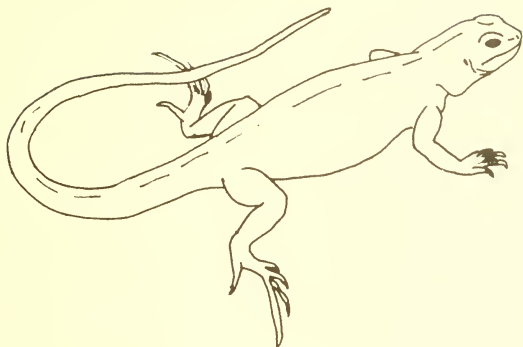


BIBLIOGRAPHY
OF
DIPSOSAURUS DORSALIS



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SMITHSONIAN
HERPETOLOGICAL INFORMATION
SERVICE
NO. 74

1988

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INTRODUCTION

The present bibliography arose as an outgrowth of a literature search initiated in conjunction with the Dipsosaurus catalogue account for the Catalog of American Amphibians and Reptiles. It became apparent early on in the search that the literature on Dipsosaurus would be far too extensive to allow for a comprehensive listing of it in the space available in a standard account. The literature, however, is diverse in topic coverage and mostly recent (i.e., from 1960) in publication date. As a result I felt that a cross-referenced bibliography of the genus would be a valuable contribution to the field of herpetology. Zoological Records, Biological Abstracts, Herpetological Review and bibliographies of summary works and symposium volumes were all searched for literature dealing with Dipsosaurus. Summary works and symposium volumes are only cited if they contained original data on the genus. All aspects of the biology of Dipsosaurus are cited in the following bibliography. The cross referenced index is relatively general and is not intended to be a detailed subject index. Literature searching ceased on January 5, 1987.

INDEX

Activity: Cowles, 1941; Gelderoos, 1971 and 1976; Kay, 1970; Parker, 1972; Pianka, 1971.

Anatomy: Beuchat, 1986 (urinary bladder); Gabe et al, 1964 (adrenals); Grasse, 1970a and b; Gundy and Wurst, 1976 (parietal eye); Iverson, 1980 (colic modification); Laze11, 1973 (ilium); Lynn et al, 1966 (thyroid); Maier et al, 1974 (muscles); Miller, 1981 (ear); Miller, 1966 (cochlear duct); Neuman and Cruce, 1982 (brainstem); Peterson, 1981 (optic tectum); Pough, 1969a (nasal structure); Putnam et al, 1980 (muscle fibers); Savage, 1958 (nasal structure); Schmidt, 1964 (cochlear); Schwab, 1979 (rhombencephalon); Stebbins, 1948 (nasal structure); Uliniski and Peterson, 1981 (olfaction); Underwood, 1970 (eye); Weaver, 1978 (ear); Zug, 1971 (arteries).

Autonomy: Pond, 1978.

Behavior: Asplund, 1967; Bartholomew, 1964; Bennett, 1980; Berk and Heath, 1975a; Bicknell and Richardson, 1973; Carpenter, 1961; Cowles and Bogert, 1936; Evans, 1961; Garzanit and Richardson, 1974; Glinski and Krekorian, 1985; Graf, 1972; Greenberg, 1976; Mays and Nickerson, 1968; Minnich and Shoemaker, 1970; Moehn, 1974; Norris, 1953; Peterson, 1976; Porter et al, 1973; Porter and James, 1979.

Biogeography: Banta, 1962c; Bogert and Oliver, 1945; Case, 1975; Murphy, 1983; Murphy, 1983; Savage, 1960; Soule and Sloane, 1966; Wilcox, 1978.

Checklists: Banta, 1965; Jennings, 1983; Lowe, 1964; Smith and Taylor, 1950; Stejneger, 1939 and 1943; Stejneger and Barbour, 1917; Tanner, 1975.

Color and Coloration: Atsatt, 1939; Burger and Hensley, 1949; Hunsaker and Johnson, 1959; Murray, 1955; Norris, 1967; Norris and Lowe, 1964; Smith, 1946.

Cytology: Pham et al, 1972.

Demography: Krekorian, 1984.

Dentition: Edmund, 1969 and Hotton, 1955.

Descriptions: Behler and King, 1979; Boulenger, 1885; Cochran and Goin, 1970; Cope, 1900; Dumeril, 1858; Hallowell, 1854; Hardy and McDiarmid, 1969; Pickwell, 1948; Slevin, 1935; Smith, 1946; Stebbins, 1954, 1966, 1972, and 1985; VanDenburgh, 1922; Woodbury, 1931.

Development: Maderson, 1985.

Distribution: Baird, 1859; Banta, 1965; Behler and King, 1979, Belding, 1887; Bogert and Oliver, 1945; Burger and Hensley, 1949; Burt, 1935; Cochran and Goin, 1970; Cowles and Bogert, 1936; Cuesta-Teron, 1920 and 1921; Etheridge, 1961; Garman, 1884; Hardy and McDiarmid, 1969; Hill, 1948; Langbartel and Smith, 1954; Leviton, 1972; Grinell and Camp, 1917;

Linsdale, 1932 and 1940; Lockington, 1880; Loomis et al, 1974; McLain, 1899; Meek, 1905; Mosauer, 1936b; Murphy, 1983; Murphy and Ottley, 1984; Murray, 1955; Muth, 1980; Norris, 1953; Pickwell, 1948; Schmidt, 1982; Shaw, 1950; Slevin, 1934; Smith, 1946 and 1971; Smith and Brode, 1982; Soule and Sloane, 1966; Stebbins, 1954, 1966, 1972, and 1985; Stejneger, 1893; Switak, 1979; Tanner, 1969; VanDenburgh, 1895, 1897, 1897 (1898), 1905, 1912, 1914, 1921, and 1922; VanDenburgh and Slevin, 1913; Woodbury, 1931 and 1940.

Ecology (General): Dunham et al, 1978; Heatwole, 1970; Jones, 1981; Kay, 1970; Norris, 1953; Pianka, 1966 and 1967; Porter and Tracy, 1983; Porter et al., 1975; Pough, 1973.

Eggs: Mayhew, 1971; Muth, 1977 and 1980a and b; Packard et al., 1982; Shaw, 1952.

Endocrinology: Abrahamson and Maher, 1967; Bradshaw, 1972; Bradshaw et al, 1972; Callard et al, 1975; Callard and Zeigler, 1970; Callard et al, 1972; Callard and Chan, 1972; Callard and Klotz, 1973; Chan et al, 1970; Chan and Callard, 1972; Gerstle and Callard, 1972; Gesell and Callard, 1972; John-Alder, 1983 and 1984 a, b and c; Jones and Guilette, 1982; Kiebzak and Minnich, 1982; LaPointe, 1977; Licht and Nicoll, 1965; Lisk, 1967; McWhinnie and Cortelyou, 1968; Quay and Wilhoft, 1964; Templeton et al, 1968 and 1972b; Walker, 1972 and 1973; Walker and Wilhoft, 1970; Yousef et al, 1973.

Ethnozoology: Malkin, 1962.

Fat bodies: Mayhew, 1971; Minnich, 1971.

Fever: Bernhein, 1976; Bernhein and Kluger, 1976 and 1977; Bernhein et al, 1978; Grieger and Kluger, 1978; Kluger, 1979; Kluger et al, 1975; Muchlinski, 1985; Vaughn et al, 1974.

Food and Feeding: Asplund, 1967; Cowles, 1946; Greenberg, 1976; Harlow et al, 1976; Heydigger, 1952; Iverson, 1980; Krekorian, 1976; Mautz, 1980; Minnich and Shoemaker, 1970; Norris, 1953; Pianka, 1971; Sokol, 1967.

General: Burt and Myers, 1942; Camp, 1923; Carr, 1963; Conant et al, 1956; Cowles, 1920; Dice, 1939; Ditmars, 1928; Ditmars, 1936; Dumeril, 1870; Green, 1972; Goin and Goin, 1971; Hallowell, 1859; Langebartel and Smith, 1954; Miller and Stebbins, 1965; Mocquard, 1899; Norris, 1958; Pickwell, 1948; Shaw, 1950; Slevin, 1934; Smith and Brode, 1982; Stone, 1911; Troyer, 1983; Zim, 1953.

General Natural History: Allen, 1933; Asplund, 1967; Baird, 1859; Banks and Farmer, 1963; Banta, 1962a and b; Behler and King, 1979; Bogert and Oliver, 1945; Burger and Hensley, 1949; Camp, 1916; Cochran and Goin, 1970; Cowles and Bogert, 1936; Cuesta-Terron, 1920 and 1921; Etheridge, 1961; Gates, 1957; Hardy and McDiarmid, 1969; Johnson, 1965; Klauber, 1939; Leviton, 1964 and 1972; Linsdale, 1932; Lowe, 1964; Mayhew, 1963 and 1968; Mosauer, 1935 and 1936b; Murray, 1955; Pianka, 1971; Savage and Cliff, 1954; Schmidt, 1922; Scudder et al, 1983; Smith, 1946 and 1971; Smith and Hensley, 1958; Stebbins, 1954, 1966, 1972, and 1985; Stejneger, 1893; Tevis,

1944; VanDenburgh, 1895, 1912 and 1922; VanDenburgh and Slevin, 1913; Vitt and Ohmart, 1977 and 1978.

Growth: Krekorian, 1984; Mayhew, 1965; Parker, 1972; Pounds et al, 1983.

Hatchlings: Muth, 1977; Parker, 1972; Shaw, 1952.

Hearing: Campbell, 1968; Werner, 1972.

Hematology: Campbell, 1974; Dawson and Poulson, 1962; Dessauer, 1970; Guttman, 1971; Pough, 1969c and 1979; Saint-Girons, 1970; Saint-Girons and Saint-Girons, 1969.

Hibernation: Moberly, 1963.

Home Range and Territory: Krekorian 1976; Norris, 1953; Parker, 1972.

Homing: Krekorian, 1977.

Immunology: Cohen, 1971; Evans, 1963a and b; Evans and Cowles, 1959; Wright and Schapiro, 1973.

Integument: Hutchinson and Larimer, 1960; Maderson, 1985; Maderson et al, 1970 and 1978; Peterson, 1984; Porter and Norris, 1969; Stewart and Daniel, 1975.

Keys: Burt, 1936; Cagle, 1937; Shaw, 1950; Smith, 1950.

Locomotion: Belkin, 1961; Bennett, 1980; Brand, 1979; John-Alder and Bennett, 1981; John-Alder, 1983; Pond, 1978; Snyder, 1962.

Learning: Krekorian et al., 1986; Richardson and Julian, 1974; Vance and Richardson, 1966.

Longevity: Bowler, 1977 and Carey, 1973.

Myology: Avery and Tanner, 1964 and 1967; Pough, 1969a.

Metabolism: Bennett and Dawson, 1972; Bennett and Licht, 1972; Bennett, 1972; Bradshaw, 1972; Callard et al, 1975; Cook, 1949; Dawson and Bartholomew, 1958; John-Alder, 1983 and 1984a, b and c; Withers, 1977; Yacoe, 1986.

Microbiology: Burdick et al, 1984; Hacker et al, 1981.

Microcomplement Fixation: Gorman et al, 1971.

Nasal Glands: Ellis and Gortemiller, 1974; Lemire, 1978; Philpott and Templeton, 1964; Schmidt-Nielson et al., 1963; Shoemaker, et al., 1972; Templeton, 1964, 1965 and 1966; Templeton et al, 1968.

Osteology: Avery and Tanner, 1964 and 1967; Camp, 1923; Cope, 1892; Etheridge, 1967; Hoffstetter and Gasc, 1969; Jollie, 1960.

Ovarian Cycle: Mahyew, 1971.

Parasites: Loomis and Wrenn, 1973; Mankow and Widmer, 1977.

Pathology: Burt et al, 1984; Kluger et al., 1973.

Physiology (General): Bartholomew, 1964; Bickler, 1981, 1982a and b; and 1984; Boyer, 1966; Chan et al, 1970; Dawson, 1967; Dawson, 1971; Gleeson, 1985; Gleeson and Johnston, 1984; Gleeson et al, 19--, 1980 and 1984; Hacker et al, 1981; Holly and Minnich, 1972; John-Alder and Bennett, 1981; Johnston and Gleeson, 1984; Karasov and Diamond, 1983; Karasov et al, 1985; Kaufmann and Pough, 1982; Kiebzak and Minnich, 1982; Lemire, 1978; Licht, 1964a and b, 1965, 1967, and 1972; Licht et al, 1969; Lowe et al, 1971; Marsh and Bennett, 1985; McWhinnie and Cortelyou, 1968; Minnich, 1970b, 1972 and 1976b; Minnich and Piehl, 1972; Nagy and Shoemaker, 1975; Pough, 1969b; Putnam and Bennett, 1982; Schmidt-Nielson, 1964; Schmidt-Nielson et al, 1963; Shoemaker et al, 1972; Swezey and Somers, 1982; Templeton, 1964; Vance, 1959; Weathers and McGrath, 1972; Withers, 1978; Yackzan et al, 1972; Yousef, 1977.

Population size and structure: Krekorian, 1983 and 1984; Parker, 1972.

Predation: Banta, 1962a and 1979; Funk, 1965; Pianka, 1971.

Reproduction: Asplund, 1967; Fitch, 1970; Gerstle and Callard, 1972; Jones and Guillette, 1982; Krekorian, 1984; LaPointe, 1977; Licht, 1972 and 1973; Lisk, 1967; Mayhew, 1964 and 1971; Norris, 1953; Parker, 1972; Pianka, 1971.

Sex determination: Muth and Bull, 1985.

Tastebuds: Nonoyama, 1936; Schwenk, 1985.

Taxonomic descriptions: Allen, 1933; Baird and Girard, 1852; Hallowell, 1854; VanDenburgh, 1920 and 1922.

Techniques: Banta, 1957; Frist and Maser, 1964; Legler and Sullivan, 1979; Muth et al, 1978.

Temperature: Abrahamson and Maher, 1967; Atsatt, 1939; Bennett, 1980; Bennett and Ruben, 1979; Bickler, 1981, 1982a and b and 1984; Brattstrom, 1965; Callard et al, 1975; Campbell, 1968; Cowles, 1939 and 1940; Cowles and Bogert, 1944; Crawford, 1972; Dawson, 1967; Dawson and Bartholomew, 1958; Dupre and Crawford, 1985a; Grigg et al, 1979; Harlow et al, 1976; Heatwole, 1970; John-Alder and Bennett, 1981; John-Alder, 1984b; Johnston and Gleeson, 1984; Kaufmann and Pough, 1982; Kay, 1970; Krekorian and Vance, 1986; Licht, 1964a and b, 1965, 1967, and 1972; Licht et al, 1969; Marsh and Bennett, 1985; Mayhew, 1964; McGinnis and Dickson, 1967; McGinnis and Falkenstein, 1971; Mosauer, 1936a; Muth, 1980a; Muth and Bull, 1985; Norris, 1953; Porter and Gates, 1969; Putnam and Bennett, 1982; Templeton, 1960; Werner, 1972; Withers, 1978; Yackzan et al., 1972; Yacoe, 1986.

Testicular cycle: Licht, 1973; Mayhew, 1971.

Thermoregulation: Barber, 1977; Barber and Crawford, 1977 and 1979; Berk and Heath, 1975a and b; Brattstrom, 1970; Cannon and Kluger 1985; Cowles, 1958; DeWitt, 1963, 1967, 1971; DeWitt et al, 1967; Dupre, 1984; Dupre and Crawford, 1985b; Fletcher, 1973; Heatwole, 1970; Kemp, 1969 and 1972; Kluger et al, 1973; Norris, 1967; Pianka, 1971; Porter et al., 1973; Richardson and Brown, 1975; Saint-Girons and Saint-Girons, 1956; Schmidt-Nielson, 1964; Tempeton, 1970 and 1971; Weathers, 1969a and b, 1970 and 1971; Withers and Campbell, 1985.

Type material: Cochran, 1961; Peters, 1952; Slevin and Leviton, 1956; Smith, 1950; Smith et al, 1964.

Vision: Peterson, 1976; Tauber and Atkins, 1968.

Water relations: Chew and Damman, 1961; Dupre, 1984; Dupre and Crawford, 1985a and b and 1986; Kaufmann and Pough, 1982; Maderson et al, 1978; Minnich, 1970a and b and 1976a; Minnich and Shoemaker, 1970; Munsey, 1972; Murrish and Schmidt-Nielson, 1970a and b; Muth 1980a and b; Norris, 1953; Packard et al, 1982; Schmidt-Nielson, 1964; Schmidt-Nielson et al, 1963; Templeton, 1960; Templeton et al, 1972a and b.

BIBLIOGRAPHY

- Abrahamson, Y. and M. Maher. 1967. The effects of temperature upon pancreatic amylase in selected reptiles and amphibians. *Canadian J. Zool.* 45: 227-232.
- Allen, Morrow J. 1933. Report on a collection of amphibians and reptiles from Sonora, Mexico, with the description of a new lizard. *Occ. Pap. Mus. Zool. Univ. Michigan.* (259): 1-15.
- Asplund, Kenneth K. 1967. Ecology of lizards in the relictual cape flora, Baja California. *Amer. Midl. Natur.* 77: 462-475.
- Atsatt, S.R. 1939. Color changes as controlled by temperature and light in lizards of the desert region of southern California. *Los Angeles Publ. Biol. Sci.* 1: 237-276.
- Avery, D.F. and W.W. Tanner. 1964. The osteology and myology of the head and thorax regions of the obesus group of the genus Sauromalus Dumeril (Iguanidae). *Brigham Young Univ. Sci. Bull. Biol. Ser.* 5: 1-30.
- , 1971. Evolution of the iguanine lizards (Sauria, Iguanidae) as determined by osteological and myological characteristics. *Brigham Young Univ. Sci. Bull.* 12: 1-79.
- Baird, S.F. 1859. Reptiles of the boundary. *United States-Mexican Boundary Survey Vol. III.* 1-35.
- Baird, S.F. and C. Girard. 1852. Characteristics of some new reptiles in the Museum of the Smithsonian Institution Part II. *Proc. Acad. Natur. Sci. Philadelphia.* 6: 125-129.
- Banks, R.C. and W.M. Farmer. 1963. Observations on reptiles on Cerrvalo Island, Baja California, Mexico. *Herpetologica* 18: 246-250.
- Banta, B.H. 1957. A simple trap for collecting desert reptiles. *Herpetologica* 13: 174-176.
- , 1962a. Beetles attacking lizards. *British J. Herpetol.* 3: 39.
- , 1962b. A preliminary account of the herpetofauna of the Salina Valley Hydrographic Basin, Inyo County, California. *Wasmann J. Biol.* 20: 161-251.
- , 1962c. Preliminary remarks upon the zoogeography of the lizards inhabiting the Great Basin of the western United States. *Wasmann J. Biol.* 20: 253-287.
- , 1965. A distributional check-list of the recent reptiles inhabiting the state of Nevada. *Biol. Soc. Nevada. Occ. Pap.* 5: 1-8.
- , 1979. An instance of a desert iguana preyed upon by a loggerhead shrike. *Bull. Maryland Herpetol. Soc.* 15: 59-60.
- Barber, B.J. 1977. A theoretical and experimental analysis of behavioral temperature regulation in the lizard, Dipsosaurus dorsalis. *Dissertation Abst. Int.* 37: 4330.
- , and E.C. Crawford, Jr. 1977. A stochastic dual-limit hypothesis for behavioral thermoregulation in lizards. *Physiol. Zool.* 50: 53-60.
- , 1979. Dual threshold control of peripheral temperature in the lizard Dipsosaurus dorsalis. *Physiol. Zool.* 52: 250-263.
- Bartholomew, G.A. 1964. The role of physiology and behavior in the maintenance of homeostasis in the desert environment. *Sym. Soc. Exp. Biol.* 18: 7-29.
- Behler, J.L. and F.W. King. 1979. *The Audobon Society Field Guide to North American Reptiles and Amphibians.* Alfred A. Knopf; N.Y.

- Belding, L. 1887. Reptiles of the cape region of Lower California. W. Amer. Scient. 3: 97-99.
- Belkin, D.A. 1961. The running speeds of the lizards Dipsosaurus dorsalis and Callisaurus draconoides. Copeia 1961: 223-224.
- Bennett, A.F. 1972. A comparison of activities of metabolic enzymes in lizards and rats. Comp. Biochem. Physiol. 42B: 637-647.
- , 1980. The thermal dependence of lizard behavior. Anim. Behav. 28: 752-762.
- , and W.R. Dawson. 1972. Aerobic and anaerobic metabolism during activity in the lizard Dipsosaurus dorsalis. J. Comp. Physiol. 81: 289-299.
- , and P. Licht. 1972. Anaerobic metabolism during activity in lizards. J. Comp. Physiol. 81: 277-288.
- , and J.A. Ruben. 1979. Endothermy and activity in vertebrates. Science 206: 649-654.
- Berk, M.L. and J.E. Heath. 1975a. An analysis of behavioral thermoregulation in the lizard Dipsosaurus dorsalis. J. Therm. Biol. 1: 15-22.
- , 1975b. Effects of preoptic, hypothalamic, and telencephalic lesions on thermoregulation in the lizard, Dipsosaurus dorsalis. J. Therm. Biol. 1: 65-78.
- Bernhein, H.A. 1976. Characterization of the febrile response in the lizard Dipsosaurus dorsalis. Dissertation Abst. Int. 37: 2688.
- Bernhein, H.A. and M.J. Kluger. 1976. Fever and antipyresis in the lizard Dipsosaurus dorsalis. Amer. J. Physiol. 231: 198-203.
- , 1977. Endogenous pyrogen-like substance produced by reptiles. J. Physiol., London. 267: 659-666.
- Bernhein, H.A., P.T. Bodel, P.W. Askenase and E. Atkins. 1978. Effects of fever on host defense mechanisms after infection in the lizard Dipsosaurus dorsalis. British J. Exp. Path. 59: 76-84.
- Beuchat, C.A. 1986. Phylogenetic distribution of the urinary bladder in lizards. Copeia 1986: 512-517.
- , 1981. Effects of temperature on acid-base balance and ventilation in desert iguanas (Dipsosaurus dorsalis). J. Appl. Physiol. Resp. Environ. Exer. Physiol. 51: 452-460.
- , 1982a. Intracellular pH in the lizard Dipsosaurus dorsalis in relation to changing body temperatures. J. Appl. Physiol. 53: 1466-1472.
- Bickler, P.E. 1982b. The effects of temperature on pulmonary and renal regulation of acid-base homeostasis in the lizard Dipsosaurus dorsalis. Dissertation Abst. Int. 42: 3139-3140.
- , 1984. Effects of temperature on acid and base extraction in a lizard, Dipsosaurus dorsalis. J. Comp. Physiol. 154: 97-104.
- Bicknell, A.T. and A.M. Richardson. 1973. Comparison of avoidance learning in two species of lizards, Crotaphytus collaris and Dipsosaurus dorsalis. Psychol. Rep. 32: 1055-1065.
- Bogert, C.M. and J.A. Oliver. 1945. A preliminary analysis of the herpetofauna of Sonora. Bull. Amer. Mus. Natur. Hist. 83: 297-426.
- Boulenger, G. 1885. Catalog of lizards in the British Museum. Vol. II. Taylor and Francis; London.
- Bowler, J.K. 1977. Longevity of reptiles and amphibians in North American collection. Herpetol. Circ. 6: 1-32.
- Boyer, D.R. 1966. Comparative effects of hypoxia on respiratory and cardiac function in reptiles. Physiol. Zool. 39: 307-316.

BIBLIOGRAPHY

- Abrahamson, Y. and M. Maher. 1967. The effects of temperature upon pancreatic amylase in selected reptiles and amphibians. *Canadian J. Zool.* 45: 227-232.
- Allen, Morrow J. 1933. Report on a collection of amphibians and reptiles from Sonora, Mexico, with the description of a new lizard. *Occ. Pap. Mus. Zool. Univ. Michigan.* (259): 1-15.
- Asplund, Kenneth K. 1967. Ecology of lizards in the relictual cape flora, Baja California. *Amer. Midl. Natur.* 77: 462-475.
- Atsatt, S.R. 1939. Color changes as controlled by temperature and light in lizards of the desert region of southern California. *Los Angeles Publ. Biol. Sci.* 1: 237-276.
- Avery, D.F. and W.W. Tanner. 1964. The osteology and myology of the head and thorax regions of the obesus group of the genus Sauromalus Dumeril (Iguanidae). *Brigham Young Univ. Sci. Bull. Biol. Ser.* 5: 1-30.
- 1971. Evolution of the iguanine lizards (Sauria, Iguanidae) as determined by osteological and myological characteristics. *Brigham Young Univ. Sci. Bull.* 12: 1-79.
- Baird, S.F. 1859. Reptiles of the boundary. *United States-Mexican Boundary Survey Vol. III.* 1-35.
- Baird, S.F. and C. Girard. 1852. Characteristics of some new reptiles in the Museum of the Smithsonian Institution Part II. *Proc. Acad. Natur. Sci. Philadelphia.* 6: 125-129.
- Banks, R.C. and W.M. Farmer. 1963. Observations on reptiles on Cerrvalo Island, Baja California, Mexico. *Herpetologica* 18: 246-250.
- Banta, B.H. 1957. A simple trap for collecting desert reptiles. *Herpetologica* 13: 174-176.
- 1962a. Beetles attacking lizards. *British J. Herpetol.* 3: 39.
- 1962b. A preliminary account of the herpetofauna of the Salina Valley Hydrographic Basin, Inyo County, California. *Wasmann J. Biol.* 20: 161-251.
- 1962c. Preliminary remarks upon the zoogeography of the lizards inhabiting the Great Basin of the western United States. *Wasmann J. Biol.* 20: 253-287.
- 1965. A distributional check-list of the recent reptiles inhabiting the state of Nevada. *Biol. Soc. Nevada. Occ. Pap.* 5: 1-8.
- 1979. An instance of a desert iguana preyed upon by a loggerhead shrike. *Bull. Maryland Herpetol. Soc.* 15: 59-60.
- Barber, B.J. 1977. A theoretical and experimental analysis of behavioral temperature regulation in the lizard, Dipsosaurus dorsalis. *Dissertation Abst. Int.* 37: 4330.
- and E.C. Crawford, Jr. 1977. A stochastic dual-limit hypothesis for behavioral thermoregulation in lizards. *Physiol. Zool.* 50: 53-60.
- 1979. Dual threshold control of peripheral temperature in the lizard Dipsosaurus dorsalis. *Physiol. Zool.* 52: 250-263.
- Bartholomew, G.A. 1964. The role of physiology and behavior in the maintenance of homeostasis in the desert environment. *Sym. Soc. Exp. Biol.* 18: 7-29.
- Behler, J.L. and F.W. King. 1979. *The Audobon Society Field Guide to North American Reptiles and Amphibians.* Alfred A. Knopf; N.Y.

- Belding, L. 1887. Reptiles of the cape region of Lower California. W. Amer. Scient. 3: 97-99.
- Belkin, D.A. 1961. The running speeds of the lizards Dipsosaurus dorsalis and Callisaurus draconoides. Copeia 1961: 223-224.
- Bennett, A.F. 1972. A comparison of activities of metabolic enzymes in lizards and rats. Comp. Biochem. Physiol. 42B: 637-647.
- 1980. The thermal dependence of lizard behavior. Anim. Behav. 28: 752-762.
- and W.R. Dawson. 1972. Aerobic and anaerobic metabolism during activity in the lizard Dipsosaurus dorsalis. J. Comp. Physiol. 81: 289-299.
- and P. Licht. 1972. Anaerobic metabolism during activity in lizards. J. Comp. Physiol. 81: 277-288.
- and J.A. Ruben. 1979. Endothermy and activity in vertebrates. Science 206: 649-654.
- Berk, M.L. and J.E. Heath. 1975a. An analysis of behavioral thermoregulation in the lizard Dipsosaurus dorsalis. J. Therm. Biol. 1: 15-22.
- 1975b. Effects of preoptic, hypothalamic, and telencephalic lesions on thermoregulation in the lizard, Dipsosaurus dorsalis. J. Therm. Biol. 1: 65-78.
- Bernhein, H.A. 1976. Characterization of the febrile response in the lizard Dipsosaurus dorsalis. Dissertation Abst. Int. 37: 2688.
- Bernhein, H.A. and M.J. Kluger. 1976. Fever and antipyresis in the lizard Dipsosaurus dorsalis. Amer. J. Physiol. 231: 198-203.
- 1977. Endogenous pyrogen-like substance produced by reptiles. J. Physiol., London. 267: 659-666.
- Bernhein, H.A., P.T. Bodel, P.W. Askenase and E. Atkins. 1978. Effects of fever on host defense mechanisms after infection in the lizard Dipsosaurus dorsalis. British J. Exp. Path. 59: 76-84.
- Beuchat, C.A. 1986. Phylogenetic distribution of the urinary bladder in lizards. Copeia 1986: 512-517.
- 1981. Effects of temperature on acid-base balance and ventilation in desert iguanas (Dipsosaurus dorsalis). J. Appl. Physiol. Resp. Environ. Exer. Physiol. 51: 452-460.
- 1982a. Intracellular pH in the lizard Dipsosaurus dorsalis in relation to changing body temperatures. J. Appl. Physiol. 53: 1466-1472.
- Bickler, P.E. 1982b. The effects of temperature on pulmonary and renal regulation of acid-base homeostasis in the lizard Dipsosaurus dorsalis. Dissertation Abst. Int. 42: 3139-3140.
- 1984. Effects of temperature on acid and base extraction in a lizard, Dipsosaurus dorsalis. J. Comp. Physiol. 154: 97-104.
- Bicknell, A.T. and A.M. Richardson. 1973. Comparison of avoidance learning in two species of lizards, Crotaphytus collaris and Dipsosaurus dorsalis. Psychol. Rep. 32: 1055-1065.
- Bogert, C.M. and J.A. Oliver. 1945. A preliminary analysis of the herpetofauna of Sonora. Bull. Amer. Mus. Natur. Hist. 83: 297-426.
- Boulenger, G. 1885. Catalog of lizards in the British Museum. Vol. II. Taylor and Francis; London.
- Bowler, J.K. 1977. Longevity of reptiles and amphibians in North American collection. Herpetol. Circ. 6: 1-32.
- Boyer, D.R. 1966. Comparative effects of hypoxia on respiratory and cardiac function in reptiles. Physiol. Zool. 39: 307-316.

- Bradshaw, S.D. 1972. The endocrine control of water and electrolyte metabolism in desert reptiles. *Gen. Comp. Endocrinol. Supp.* 3: 360-375.
- V.H. Shoemaker, and K.A. Nagy. 1972. The role of adrenal corticosteroids in the regulation of kidney function in the desert iguana Dipsosaurus dorsalis. *Comp. Biochem. Physiol.* 43A: 621-635.
- Brand, L. 1979. Field and laboratory studies of the Coconino Sandstone (Permian) vertebrate footprints and their paleoecological implications. *Palaeogeog. Palaeoclimatol. Palaeoecol.* 28: 25-38.
- Brattstrom, B.H. 1965. Body temperatures of reptiles. *Amer. Midl. Natur.* 73: 376-442.
- 1970. Procession of behavioral thermoregulation in lizards. *Herpetol. Rev.* 2: 6.
- Burdick, J.R., L.K. Lynby and R.S. Tarr. 1984. Isolation of Salmonella from laboratory housed iguanid lizards. *J. Herpetol.* 18: 88-91.
- Burger, W.L. and M.M. Hensley. 1949. Notes on a collection of reptiles and amphibians from northeastern Sonora. *Natur. Hist. Misc. Chicago Acad. Sci.* 35: 1-6.
- Burt, C.E. 1935. Notes on a collection of lizards from western Mexico and tropical America. *Trans. Amer. Micro. Soc.* 54: 167-178.
- 1936. A key to the lizards of the United States and Canada. *Trans. Kansas Acad. Sci.* 38: 255-305.
- and G.S. Myers. 1942. Neotropical lizards in the collection of the Natural History Museum of Stanford University. *Stanford Univ. Publ. Biol. Sci.* 8: 273-324.
- Burt, D.G., C.E. Christ, C.S. Gillett and H.G. Rush. 1984. Two cases of renal neoplasms in a colony of desert iguanas. *J. Amer. Vet. Med. Assoc.* 185: 1423-1425.
- Callard, G.V., S.W. Chan, and I.P. Callard. 1975. Temperature effects on ACTH-stimulated adrenocortic secretion and carbohydrate metabolism in the lizard (Dipsosaurus dorsalis). *J. Comp. Physiol.* 99: 271-277.
- Callard, I.P. and H. Zeigler. 1970. Inhibitory effects of prolactin upon gonadotrophic stimulated ovarian growth in the iguanid lizard, Dipsosaurus dorsalis. *J. Endocrinol.* 47: 131-132.
- S.H. Banks, and W.L. Banks Jr. 1972. Hepatic protein and nucleic acid content in Dipsosaurus dorsalis following hypophysectomy and treatment with estradiol-17 beta and growth hormone. *Comp. Biochem. Physiol.* 41B: 503-510.
- and D.K.O. Chan. 1972. Hormonal effects on liver glycogen and blood sugar level in the iguanid lizard Dipsosaurus dorsalis. *Gen. Comp. Endocrinol.* 18: 552-556.
- and K.L. Klotz. 1973. Sensitivity of parameters of estrogen action in the iguanid lizard Dipsosaurus dorsalis. *Gen. Comp. Endocrinol.* 21: 314-321.
- Camp, C.L. 1916. Notes on the local distribution and habits of the amphibians and reptiles of southeastern California in the vicinity of the Turtle Mountains. *Univ. California Publ. Zool.* 12: 503-544.
- 1923. Classification of the lizards. *Bull. Amer. Mus. Natur. Hist.* 48: 289-481.
- Campbell, C.E. 1974. Some blood properties of three representatives of the family Iguanidae. *Dissertation Abst. Int.* 35: 1980-1981.
- Campbell, H.W. 1969. The effects of temperature on the auditory sensitivity of lizards. *Physiol. Zool.* 42: 183-210.

- Cannon, J.G. and M.J. Kluger. 1985. Altered thermoregulation in the iguana, Dipsosaurus dorsalis, following exercise. J. Therm. Biol. 10: 41-46.
- Carey, W.M. 1973. Some notable longevity records for captive iguanas. Int. Zool. Yrb. 13: 154-156.
- Carpenter, C.C. 1961. Patterns of social behavior in the desert iguana, Dipsosaurus dorsalis. Copeia, 1961: 396-405.
- Carr, A.F. 1963. The Reptiles. New York Times Inc; New York.
- Case, T.J. 1975. Species numbers, density compensation and colonizing ability of lizards on islands in the Gulf of California. Ecology 56: 3-18.
- Chan, D.K., I.P. Callard and C. Jones. 1970. Observations on the water and electrolyte composition of the iguanid lizard Dipsosaurus dorsalis (B. and G.), with special reference to the control of the pituitary gland and the adrenal cortex. Gen. Comp. Endocrinol. 15: 374-387.
- Chan, S.W. and I.P. Callard. 1972. Circadian rhythm in the secretion of corticosterone by the desert iguana, Dipsosaurus dorsalis. Gen. Comp. Endocrinol. 18: 565-568.
- Chew, S.W. and A.E. Dammann. 1961. Evaporation water loss of small vertebrates as measured with an infrared analyzer. Science 133: 384-385.
- Cochran, D.M. 1961. Type specimens of reptiles and amphibians in the United States National Museum. Bull. U. S. Natl. Mus. 220: 1-291.
- and C.J. Goin. 1970. The New Field Book of Reptiles and Amphibians. Putnam's; New York.
- Cohen, N. 1971. Reptiles as models for the study of immunity and its phylogenesis. J. Amer. Vet. Med. Assoc. 159: 1662-1671.
- Conant, R. et al. 1956. Common names of North American amphibians and reptiles. Copeia 1956: 172-185.
- Cook, S.F. 1949. Respiratory metabolism of certain reptiles and amphibians. Univ. California Publ. Zool. 53: 367-376.
- Cope, E.D. 1892. The osteology of the Lacertilla. Proc. Amer. Philos. Soc. 30: 185-221.
- 1900. The crocodylians, lizards, and snakes of the United States. Rep. U.S. Natl. Mus. 1898: 153-1270.
- Cowles, R.B. 1920. A list and some notes on the lizards and snakes represented in the Pomona College Museum. Pomona Coll. J. Entomol. Zool. 12: 63-66.
- 1939. Possible implications of reptilian sensitivity to high temperatures. Science 90: 465-466.
- 1940. Additional implications of reptile sensitivity to high temperatures. Amer. Natur. 74: 542-561.
- 1941. Observations on the winter activities of desert reptiles. Ecology 22: 125-140.
- 1946. Notes on the arboreal feeding habits of the desert iguana. Copeia 1946: 172-173.
- 1958. Possible origin of dermal temperature regulation. Evolution 12: 347-357.
- and C.M. Bogert. 1936. The herpetology of the boulder Dam region (Nevada, Arizona, Utah). Herpetologica, 1: 33-42.
- 1944. A preliminary study of the thermal requirements of desert reptiles. Bull. Amer. Mus. Natur. Hist. 83: 261-296.
- Crawford, C.E. 1972. Brain and body temperature in a panting lizard. Science 177: 431-433.

- Cuesta-Terron, C. 1920. Datos para una monographica sobre la fauna herpetologica de la peninsula de la Baja California. Boln. Dir. Estud. Biol. Mexico 2: 398-402.
- 1921. Datos para una monographica de la fauna herpetologica de la peninsula de la Baja California. Mem. Rev. Soc. Cient. Antonia Alzate. 39: 161-171.
- Dawson, W.R. 1967. Interspecific variation in physiological responses of lizards to temperature. pp 230-257. In W.W. Milstead (ed), Lizard Ecology: A Symposium. Univ. Missouri Press; Columbia.
- 1971. Reptiles as research models in comparative physiology. J. Amer. Vet. Med. Assoc. 159: 1653-1661.
- and G.A. Bartholomew. 1958. Metabolic and cardiac responses to temperature in the lizard Dipsosaurus dorsalis. Physiol. Zool., 31: 100-111.
- and T.L. Poulson. 1962. Oxygen capacity of lizard blood. Amer. Midl. Natur. 68: 154-164.
- Dessauer, J.C. 1970. Blood chemistry of reptiles: Physiological and evolutionary aspects. pp 1-72. In C. Gans and T. Parsons (eds.), Biology of the Reptilia. Vol. 3 Academic Press; London.
- DeWitt, C.B. 1963. Behavioral thermoregulation in the iguanid lizard, Dipsosaurus dorsalis. Ph.D. Dissertation, Univ. of Michigan.
- 1967. Precision of thermoregulation and its relation to environmental factors in the desert iguana, Dipsosaurus dorsalis. Physiol. Zool., 40: 49-61.
- 1971. Postural mechanisms in the behavioral thermoregulation of a desert lizard, Dipsosaurus dorsalis. J. Physiol., France 63: 242-245.
- S.M. McGinnis, and L.L. Dickson. 1967. Behavioral thermoregulation in the desert iguana. Science 158: 809-810.
- Dice, R.L. 1939. The Sonoran biotic province. Ecology 20: 118-129.
- Ditmars, R.L. 1928. The lizards. Bull. New York Zool. Soc. 31: 116-144.
- 1936. The Reptiles of North America. A Review of the Crocodiles, Lizards, Snakes, Turtles and Tortoises Inhabiting the United States and Northern Mexico. Doubleday Doran; New York.
- Dumeril, A.H. 1858. Description des reptiles nouveaux ou imparfaitement connus de la collection du Museum d'histoire naturelle et remarques sur la classification et les caracteres des reptiles. Deuxieme m'emoire. Troisi'eme, quatrieme et cinquimi familles de l'ordre des sauriens. Archs. Mus. Natn. Hist. Nat. Paris 8: 437-588.
- 1870. Etudes sur les reptiles. In: Mission scientifique au Mexique et dans l'Amerique Centrale ...recherches zoologiques. 3rd part. Imprimeirie Imperiale; Paris.
- Dunham, A.E., D.W. Tinkle and J.W. Gibbons. 1978. Body size in island lizards: a cautionary tale. Ecology 59: 1230-1238.
- Dupre, R.K. 1984. The influence of hydration state on the thermal relations of the desert iguana, Dipsosaurus dorsalis. Dissertation Abst.Int. 45: 79-80.
- and E.C. Crawford Jr. 1985a. Control of panting in the desert iguana (Dipsosaurus dorsalis): roles for peripheral temperatures and the effect of dehydration. J. Exp. Zool. 235: 341-348.
- 1985b. Behavioral thermoregulation during dehydration and osmotic loading of the desert iguana (Dipsosaurus dorsalis). Physiol. Zool. 58: 357-363.

- . 1986. Elevation of the panting threshold of the desert iguana, Dipsosaurus dorsalis during dehydration: Potential roles of changes in plasma osmolality and body fluid volume. *J. Comp. Physiol.* 156B: 377-382.
- Edmund, A.G. 1969. Dentition. pp In C. Gans, A. Bellairs, and T Parsons (eds), *Biology of the Reptilia Vol. 1.* Academic Press; New York.
- Ellis, R.A. and C.C. Goertemiller Jr. 1974. Cytological effects of salt stress and localization of transport adenosine triphosphate in the lateral nasal glands of the desert iguana, Dipsosaurus dorsalis. *Anat.Rec.* 180: 285-298.
- Etheridge, R. 1961. Additions to the herpetological fauna of Isla Cerralvo in the Gulf of California, Mexico. *Herpetologica* 17: 57-60.
- . 1967. Lizard caudal vertebrae. *Copeia*, 1967: 699-721.
- Evans, E.E. 1963a. Comparative immunology. Antibody response in Dipsosaurus dorsalis at different temperatures. *Proc. Soc. Exp. Biol. Med.* 112: 531-533.
- . 1963b. Antibody response in amphibians and reptiles. *Fed. Proc.* 22: 1132-1137.
- . and R.B. Cowles. 1959. Effect of temperature on antibody production in the reptile, Dipsosaurus dorsalis. *Proc. Soc. Exp. Biol. Med.* 101: 482-483.
- Evans, L.T. 1961. Structure as related to behavior in the organization of populations in reptiles. pp 148-178. In W.F. Blair (ed), *Vertebrate Speciation.* Univ. Texas Press, Austin.
- Fitch, H.L. 1970. Reproductive cycles in lizards and snakes. *Misc. Publ. Mus. Natur. Hist. Univ. Kansas* 52: 1-247.
- Fletcher, M.R. 1973. Internal and external environmental influences on thermoregulation in two lizard species. *Dissertation Abst. Int.* 34: 3007-3008.
- Frist, R.H. and M.D. Maser. 1964. Freeze-drying of biological specimens for electron microscopy using thermoelectric cooling. *J. Cell Biol.* 22: 293-296.
- Funk, R.S. 1965. Food of Crotalus cerastes laterorepens in Yuma County, Arizona. *Herpetologica* 21: 15-17.
- Gabe, M.M., M. Martoja and H. Saint-Girons. 1964. Etude actuel des connaissances sur la glande surrenale des reptiles. *Ann. Biol.* 3: 303-376.
- Garman, S. 1884. The North American reptiles and batrachians. A list of the species occurring north of the isthmus of Tehuanatepec, with references. *Bull. Essex Inst.* 16: 1-46.
- Garzanit, F.S. and A.M. Richardson. 1974. Black-white discrimination and orientation behavior in the desert iguana (Dipsosaurus dorsalis). *Anim. Learn. Behav.* 2: 126-128.
- Gates, G.O. 1957. A study of the herpetofauna in the vicinity of Wickenburg, Maricopa County, Arizona. *Trans. Kansas Acad. Sci.* 60: 403-418.
- Gelderoos, O.G. 1971. Comparative study of circadian activity patterns of the desert iguana (Dipsosaurus dorsalis) under self selected and imposed illumination. *Dissertation Abst. Int.* 31: 4395-4396.
- . 1976. Circadian Activity Patterns in the desert iguana, Dipsosaurus dorsalis. *Physiol. Zool.* 49: 100-108.

- Gerstle, J. and I.P. Callard. 1972. Reproduction and estrogen induced vitellogenesis in Dipsosaurus dorsalis. *Comp. Biochem. Physiol.* 42A: 791-801.
- Gesell, M.S. and I.P. Callard. 1972. The hypothalamic-hypophysial neurosecretory system in the iguanid lizard Dipsosaurus dorsalis: a qualitative and quantitative study. *Gen. Comp. Endocrinol.* 19: 397-404.
- Gleeson, T.T. 1985. Glycogen synthesis from lactate in skeletal muscle of the lizard Dipsosaurus dorsalis. *J. Comp. Physiol.* 156B: 277-284.
- and I.A. Johnston. 1984. Properties of the iliofibularis muscle from the desert iguana (Dipsosaurus dorsalis). *J. Physiol. London* 346: 66P (Abstract).
- I.A. Johnston, B.D. Sidell and W.G. Stephens. 1984. Temperature dependence of contraction velocity in some ectothermic fast muscle. *J. Physiol., London.* 346: 65P (Abstract).
- R.W. Putnam, and A.F. Bennett. 1980. Histochemical, enzymatic, and contractile properties of skeletal muscle fibers in the lizard Dipsosaurus dorsalis. *J. Exp. Zool.* 214: 293-302.
- C.J.M. Nicol, and I.A. Johnston. 1984. Capillarization, mitochondrial densities, oxygen diffusion distances and innervation of red and white muscle of the lizard Dipsosaurus dorsalis. *Cell Tiss. Res.* 237: 253-258.
- Glinski, T.H. and C.O. Krekorian. 1985. Individual recognition in free-living adult male desert iguanas, Dipsosaurus dorsalis. *J. Herpetol.* 19: 541-544.
- Goin, C.J. and O.B. Goin. 1971. *Introduction to Herpetology*. W.H. Freeman; San Francisco.
- Gorman, S.C., A.C. Wilson, and M. Nakanishi. 1971. A biochemical approach towards the study of reptilian phylogeny: evolution of serum albumen and lactic dehydrogenase. *Syst. Zool.* 20: 167-185.
- Graf, C.L. 1972. Spaced-trail partial reward in the lizard. *Psychon. Sci.* 27: 153-154.
- Grasse, P.P. 1970. *Traite'e de Zoologie. Tome xiv. Reptiles. Caracteres Generaux et Anatomie.* Masson; Paris.
- 1970. *Traite de Zoologie. Tome xiv. Reptiles. Glandes Endocrines-Embryologie-Systematique-Paleontologie (Fascicule III)* Masson; Paris.
- Greene, H.W. 1972. *Mexican reptiles in the Senckenberg Museum.* Pittsburgh, Pennsylvania, Carnegie Mus. 15 p.
- Greenberg, N. 1976. Observations of social feeding in lizards. *Herpetologica* 32: 348-352.
- Greiger, T.A. and M.J. Kluger. 1978. Fever and survival: the role of serum iron. *J. Physiol.* 279: 187-196.
- Grigg, G.C., C. Christopher, R. Drane and G.P. Courtice. 1979. Time constants of heating and cooling in the eastern water dragon, Physignathus lesuerii and some generalizations about heating and cooling in reptiles. *J. Therm. Biol.* 4: 95-103.
- Grinnell, J. and C.L. Camp. 1917. A distributional list of the amphibians and reptiles of California. *Univ. California Publ. Zool.* 17: 127-208.
- Gundy, G.C. and G.Z. Wurst. 1976. The occurrence of parietal eyes in recent lacertilia (Reptilia). *J. Herpetol.* 10: 113-121.
- Guttman, S.I. 1971. An electrophoretic analysis of the hemoglobins of Old and New World Lizards. *J. Herpetol.* 5: 11-16.

- Hacker, M.R., B.A. Rothenburg and M.J. Kluger. 1981. Plasma iron, copper, and zinc in the lizard, Dipsosaurus dorsalis: effects of bacteria injection. Amer. J. Physiol. 240: R272-R275.
- Hallowell, E. 1854. Descriptions of new reptiles from California. Proc. Acad. Natur. Sci. Philadelphia. 7: 91-97.
- 1859. Report upon the reptiles collected on the survey. Expl. Surv. R.R. Mississippi R. Pacific Ocean. 10: 1-27.
- Hardy, L.M. and R.W. McDiarmid. 1969. The amphibians and reptiles of Sinaloa, Mexico. Univ. Kansas Publ. Mus. Natur. Hist. 18: 39-252.
- Harlow, H.J., S.S. Hilman, and M. Hoffman. 1976. The effect of temperature on digestive efficiency in the herbivorous lizard, Dipsosaurus dorsalis. J. Comp. Physiol. 111B: 1-6.
- Heatwole, H. 1970. Thermal ecology of the desert dragon Amphibolurus inermis. Ecol. Monog. 40: 425-457.
- Heydigger, H.R. 1952. Notes on the food habits of Dipsosaurus dorsalis in captivity. Herpetologica 8: 51-52.
- Hill, H.R. 1948. Amphibians and reptiles of Los Angeles County. Los Angeles Co. Mus. Sci. Ser. 12: 5-30.
- Hoffstetter, R. and J.P. Gasc. 1969. Vertebrae and ribs of modern reptiles. pp 201-310. In C.Gans, A. Bellairs and T. Parsons (eds), Biology of the Reptilia, Vol. 1. Academic Press; New York.
- Holly, R.J. and J.E. Minnich. 1972. Excretion of colloidal urate by the lizard Dipsosaurus dorsalis. Amer. Zool. 12: 684-685.
- Hotton, N. III. 1955. A survey of adaptive relationships of dentition to diet in North American Iguanidae. Amer. Midl. Natur. 53: 88-114.
- Hunsaker, D. II and C. Johnson. 1959. Internal pigmentation and ultraviolet transmission of the integument in amphibians and reptiles. Copeia 1959: 311-315.
- Hutchinson, V.H. and J.L. Larimer. 1960. Reflectivity of the integuments of some lizards from different habitats. Ecology 41: 199-209.
- Iverson, J.B. 1980. Colic modifications in iguanine lizards. J. Morph. 163: 79-93.
- Jennings, M.R. 1983. An annotated checklist of the amphibians and reptiles of California. California Game Fish 69: 151-171.
- John-Alder, H.B. 1983. Effects of thyroxine supplementation on metabolic rate and aerobic capacity in a lizard. Amer. J. Physiol. 244: R659-R666.
- 1984a. Reduced aerobic capacity and locomotory endurance in thyroid deficient lizards (Dipsosaurus dorsalis). J. Exp. Biol. 109: 175-190.
- 1984b. The physiological basis of activity in lizards: influence of body temperature and thyroid hormones. Dissertation Abst. Int. 45: 90-91.
- 1984c. Seasonal variation in activity, aerobic energetic capacities, and plasma thyroid hormones (T3 and T4) in an iguanid lizard. J. Comp. Physiol. 154: 409-420.
- and A.F. Bennett. 1981. Thermal dependence of endurance and locomotory energetics in a lizard. Amer. J. Physiol. 241: R342-R349.
- Johnson, S.R. 1965. An ecological study of the chuckwalla, Sauromalus obesus Baird, in the western Mohave desert. Amer. Midl. Natur. 73: 1-29.

- Johnston, I.A. and T.T. Gleeson. 1984. Thermal dependence of contractile properties of red and white fibers isolated from the iliofibularis muscle of the desert iguana (Dipsosaurus dorsalis). J. Exp. Biochem. 113: 123-132.
- Jollie, M.T. 1960. The head skeleton of the lizard. Acta Zool. Stockholm 41: 1-64.
- Jones, K.B. 1981. Effects of grazing on lizard abundance and diversity in western Arizona. Southwest. Natur. 26: 107-115.
- Jones, R.E. and L.L. Guillette. 1982. Hormonal control of oviposition and parturition in lizards. Herpetologica 38: 80-93.
- Karasov, W.H. and J.M. Diamond. 1983. A simple method for measuring intestinal solute uptake in vitro. J. Comp. Physiol. 152B: 105-116.
- , D.H. Solberg and J.M. Diamond. 1985. What transport adaptations enable mammals to absorb sugars and amino acids faster than reptiles? Amer. J. Physiol. 249: G271-G283.
- Kaufmann, R. and F.H. Pough. 1982. The effect of temperature upon the efficiency of assimilation of preformed water by the desert iguana (Dipsosaurus dorsalis). Comp. Biochem. Physiol. 72A: 221-224.
- Kay, F.R. 1970. Environmental responses of active lizards at Saratoga Springs, Death Valley, California. Grt. Bas. Natur. 30: 146-165.
- Kemp, F.D. 1969. Thermal reinforcement and thermoregulatory behavior in the lizard Dipsosaurus dorsalis an operant technique. Anim. Behav. 17: 446-451.
- , 1972. Thermoregulatory operant behavior in the lizard, Dipsosaurus dorsalis as a function of body temperature, substrate temperature, and heating rate. J. Biol. Psychol. 11: 36-39.
- Kiezbak, G.M. and J.E. Minnich. 1982. Effects of calcitonin on electrolyte excretion in the lizard Dipsosaurus dorsalis. Gen. Comp. Endocrinol. 48: 232-238.
- Klauber, L.M. 1939. Studies of reptile life in the arid southwest. Part III. notes on some lizards of the southwestern United States. Bull. Zool. Soc. San Diego 14: 80-100.
- Kluger, M.J. 1979. Fever in ectotherms: evolutionary implications. Amer. Zool. 19: 295-304.
- , R.S. Tarr, and J.E. Heath. 1973. Posterior hypothalamic lesions and disturbances in behavioral thermoregulation in the lizard Dipsosaurus dorsalis. Physiol. Zool. 46: 79-84.
- , D.H. Ringler and M.R. Amver. 1975. Fever and survival. Science 188: 166-168.
- Krekorian, C.O. 1976. Home range size and overlap and their relationship to food abundance in the desert iguana, Dipsosaurus dorsalis. Herpetologica 32: 405-412.
- , 1977. Homing in the desert iguana, Dipsosaurus dorsalis. Herpetologica 33: 123-127.
- , 1983. Population density of the desert iguana, Dipsosaurus dorsalis (Reptilia: Iguanidae), in southern California. Copeia 1983: 268-271.
- , 1984. Life history of the desert iguana, Dipsosaurus dorsalis. Herpetologica 40: 415-424.
- , V.J. Vance, and A.M. Richardson. 1968. Temperature dependence maze learning in the desert iguana, Dipsosaurus dorsalis. Anim. Behav. 16: 429-436.

- Langebartel, D.A. and H.M. Smith. 1954. Summary of the Norris collection of reptiles and amphibians from Sonora, Mexico. *Herpetologica* 10: 125-136.
- LaPointe, J.L. 1977. Comparative physiology of neurohypophysial hormone action on the vertebrate oviduct - uterus. *Amer. Zool.* 17: 763-773.
- Lazell, J.D. Jr. 1973. The lizard genus Iguana in the Lesser Antilles. *Bull. Mus. Comp. Zool.* 145: 1-28.
- Legler, J.M. and L.J. Sullivan. 1979. The application of stomach-flushing to lizards and anurans. *Herpetologica* 35: 107-110.
- Lemire, M. 1978. Une boie singuliere d'elimination ionique: la glande nasale (a sels) chez les lezards deserticoles herbivores. *Compt. r. Congr. nat. Soc. sav. paris Sect. Sci.* 103: 187-199.
- Leviton, A.E. 1964. Midwinter reconnaissance of the herpetofauna of the cape region of Baja California, Mexico. *Proc. California Acad. Sci.* 30: 127-156.
- 1972. *Reptiles and amphibians of North America*. Doubleday; New York.
- Licht, P. 1964a. The temperature dependence of myosinadenosinetriphosphate and alkaline phosphatase in lizards. *Comp. Biochem. Physiol.* 12: 331-340.
- 1964b. A comparative study of the thermal dependence of contractility in saurian skeletal muscle. *Comp. Biochem Physiol.* 13: 27-34.
- 1965. Effects of temperature on heart rates of lizards during rest and activity. *Physiol. Zool.* 38: 129-137.
- 1967. Thermal adaptation in the enzymes of lizards in relation to preferred body temperature. pp 131-145. In C.L. Prosser (ed), *Molecular Mechanisms of Temperature Adaptations*. Amer. Assoc. Adv. Sci. 84.
- 1972. Environmental physiology of reptilian breeding cycles: role of temperature. *Gen. Comp. Endocrinol. Suppl.* 3: 477-488.
- 1973. Environmental influences on the testis cycle of the lizards Dipsosaurus dorsalis and Xantusia vigilis. *Comp. Biochem. Physiol.* 45A: 7-20.
- and C.S. Nicoll. 1965. Localization of prolactin in the reptilian pars distalis. *Gen. Comp. Endocrinol.* 12: 526-535.
- W.R. Dawson, and V.H. Shoemaker. 1969. Thermal adjustments in cardiac and skeletal muscles of lizards. *Ztschr. vergl. Physiol.* 65: 1-14.
- Lindsdale, J.M. 1932. *Amphibians and reptiles from Lower California*. Univ. California Publ. Zool. 38: 345-386.
- Lisk, R.D. 1967. Neural control of gonad size by hormonal feedback in the desert iguana, Dipsosaurus dorsalis. *Gen. Comp. Endocrinol.* 8: 258-266.
- 1940. *Amphibians and reptiles in Nevada*. *Proc. Amer. Acad. Arts Sci.* 73: 197-257.
- Lockington, W.N. 1880. List of Californian reptiles and batrachia collected by Mr. Dunn and Mr. W.J. Fisher in 1876. *Amer. Natur.* 14: 295-296.
- Loomis, R.B. and W.J. Wrenn. 1973. The North American genus Otohinoiphila Wrenn and Loomis (Acarina: Trombulidae) with description of three new species. *J. Parasitol.* 59: 175-182.

- . W.G. Bennett, S.R. Sanborn, C.H. Barbour, and H. Weiner. 1974. A handlist of the herpetofauna of Baja California and adjacent islands. Privately printed. California State Univ.; Long Beach.
- Lowe, C. 1964. An annotated checklist of the amphibians and reptiles of Arizona. pp 153-179. In C.Lowe, The Vertebrates of Arizona. University of Arizona Press; Tucson.
- . P.J. Lardner, and E.A. Halpern. 1971. Supercooling in reptiles and other vertebrates. Comp. Biochem. Physiol. 39A: 125-135.
- Lynn, W.S., Sister M.C. O'Brien, and Rev. P. Herhenreder. 1966. Thyroid morphology in lizards of the families Iguanidae and Agamidae. Herpetologica 22: 90-93.
- Maderson, P.F.A. 1985. Some developmental problems of the reptilian integument. pp 523-598. In C. Gans, F. Billett and P.F.A. Maderson (eds), Biology of the Reptilia Vol 14. Development A. John Wiley and Sons; New York.
- . W. Mayhew, and A. Sprague. 1970. Observations on the epidermis of desert living iguanids. J. Morph. 130: 25-33.
- . A.H. Zucker, and S.I. Rand. 1978. Epidermal regeneration and precutaneous water loss following cellophane stripping of reptile epidermis. J. Exp. Zool. 204: 11-32.
- Maier, A., M. DeSantis and E. Eldred. 1974. The occurrence of muscle spindles in extraocular muscles of various vertebrates. J. Morph. 143: 397-408.
- Malkin, B. 1962. Seri ethology. Occ. Pap. Idaho St. Coll. Mus. 7: 1-59.
- Mankow, S.K. and E.A. Widmer. 1977. Prevalence of Mesocestoides (Eucestoda: Mesocestoididea) tetrahyridia in southern California reptiles, with notes on the pathology in the Crotalidae. Japan J. Parasitol. 26: 256-259.
- Marsh, R.L. and A.F. Bennett. 1985. Thermal dependence of isotonic contractile properties of skeletal muscle and spring performance of the lizard, Dipsosaurus dorsalis. J. Comp. Physiol. 155B: 541-552.
- Mautz, W.J. 1980. Ontogenetic changes in diet and energy expenditure in the herbivorous lizard Dipsosaurus dorsalis. Comp. Biochem. Physiol. 14: 209-216.
- Mayhew, W.W. 1963. Observations on captive Amphibolurus pictus an Australian agamid lizard. Herpetologica 19: 81-88.
- . 1964. Taxonomic status of Californian populations of the lizard genus Uma. Herpetologica 20: 170-183.
- . 1965. Growth response to photoperiodic stimulation in the lizard, Dipsosaurus dorsalis. Comp. Biochem. Physiol. 14: 209-216.
- . 1968. Biology of desert amphibians and reptiles. pp 195-356. In G.W. Brown Jr. (ed), Desert Biology. Academic Press; New York.
- . 1971. Reproduction in the desert lizard, Dipsosaurus dorsalis. Herpetologica 27: 57-77.
- Mays, C.E. and M.A. Nickerson. 1968. Nocturnal behavior in iguanid lizards and possible correlation with road kills. Herpetologica 24: 258-259.
- McGinnis, S.M. and L.L. Dickson. 1967. Thermoregulation in the desert iguana Dipsosaurus dorsalis. Science. 156: 1757-1759.
- . and M. Falkenstein. 1971. Thermoregulatory behavior in three sympatric species of iguanid lizards. Copeia 1971: 552-554.

- McLain, R.B. 1899. Critical notes on a collection of reptiles from the western coast of the United States. Privately printed. Wheeling, West Virginia. 13 p.
- McWhinnie, D.J. and J.R. Cortelyou. 1968. Influence of parathyroid extract on blood and urine mineral levels in iguanid lizards. *Gen. Comp. Endocrinol.* 11: 78-87.
- Meek, S.E. 1905. An annotated list of a collection of reptiles from southern California and northern lower California. *Zool. Ser. Field Mus. Natur. Hist.* 7: 3-19.
- Miller, A.H. and R.C. Stebbins. 1965. The lives of desert animals in Joshua Tree National Monument. Univ. California Press; Berkley.
- Miller, M.R. 1966. The cochlear duct of lizards. *Proc. California Acad. Sci.* 33: 255-359.
- Miller, M.R. 1981. Scanning electron microscope studies of the auditory papillae of some iguanid lizards. *Amer. J. Anat.* 162: 55-72.
- Minnich, J.E. 1970a. Evaporative water loss from the desert iguana Dipsosaurus dorsalis. *Copeia* 1970: 575-578.
- 1970b. Water and electrolyte balance of the desert iguana, Dipsosaurus dorsalis, in its natural habitat. *Comp. Biochem. Physiol.* 35: 921-933.
- 1971. Seasonal variation in weight-length relationships and fat body size in the desert iguana, Dipsosaurus dorsalis. *Copeia* 1971: 359-362.
- 1972. Excretion of urate salts by reptile. *Comp. Biochem. Physiol.* 41A: 535-549.
- 1976a. Water procurement and conservation by desert reptiles in their natural environment. *Israel J. Med. Sci.* 12: 740-758.
- 1976b. Adaptations in the reptilian excretory system for excreting insoluble urates. *Israel J. Med. Sci.* 12: 854-861.
- and V.H. Shoemaker. 1970. Diet, behavior, and water turnover in the desert iguana, Dipsosaurus dorsalis. *Amer. Midl. Natur.* 84: 496-509.
- and P.A. Piehl. 1972. Spherical precipitates in the urine of reptiles. *Comp. Biochem. Physiol.* 41A: 551-554.
- Moberly, W.R. 1963. Hibernation in the desert iguana Dipsosaurus dorsalis. *Physiol. Zool.* 36: 152-160.
- Mocquard, M.F. 1899. Contribution a la Foune Herpetologique de las Basse-Californie. *W. Arch. Mus. Hist. Natur. Ser.* 4: Vol. 1: 297-343.
- Moehn, L.D. 1974. The effect of quality of light on agonistic behavior of iguanid and agamid lizards. *J. Herpetol.* 8: 175-183.
- Mosauer, W. 1935. The reptiles of a sand dune area and its surroundings in the Colorado Desert, California: A study in habitat preference. *Ecology* 16: 13-27.
- 1936a. The toleration of solar heat in desert reptiles. *Ecology* 17: 56-66.
- 1936b. The reptilian fauna of sand dune areas of the Vizcaino Desert of northwestern Lower California. *Occ. Pap. Mus. Zool. Univ. Michigan.* 329: 1-22.
- Muchlinski, A.E. 1985. The energetic cost of the fever response in 3 species of ectothermic vertebrates. *Comp. Biochem. Physiol.* 81A: 577-580.
- Munsey, L.D. 1972. Water loss in five species of lizards. *Comp. Biochem. Physiol.* 43: 781-794.

- Murphy, R.W. 1983. The Reptiles: Origins and evolution. pp 130-158. In T.J. Case and M.L. Cody, (eds.), Island biogeography in the Sea of Cortez. Univ. of California Press; Berkeley.
- 1983. Paleobiogeography and genetic differentiation of the Baja California herpetofauna. Occ. Pap. California Acad. Sci. 137: 1-48.
- and J.R. Ottley. 1984. Distribution of amphibians and reptiles on islands in the Gulf of California. Ann. Carnegie Mus. 53:207-230.
- Murray, K.F. 1955. Herpetological collections from Baja California. Herpetologica 11: 33-48.
- Murrish, D.E. and K. Schmidt-Nielson. 1970a. Exhaled air temperature and water conservation in lizards. Resp. Physiol. 10: 151-158.
- 1970b. Water transport in the cloaca of lizards: active or passive? Science 170: 324-326.
- Muth, A. 1977. Eggs and hatchlings of captive Dipsosaurus dorsalis. Copeia 1977: 189-190.
- Muth, A. 1980a. Physiological ecology of desert iguana (Dipsosaurus dorsalis) eggs: temperature and water relations. Ecology 61: 1335-1343.
- Muth, A. 1980b. Water Relations of desert iguana (Dipsosaurus dorsalis) eggs. Physiol. Zool. 54: 441-451.
- R. Philbin, and J.V. Muth. 1978. A temperature sensitive tracking telemetry system for small reptiles (Reptilia, Lacertilia). J. Herpetol. 12: 533-536.
- and J.J. Bull. 1985. Sex determination in desert iguanas: Does incubation temperature make a difference? Copeia 1985: 869-870.
- Nagy, K.A. and V.H. Shoemaker. 1975. Energy and nitrogen budgets of the free living desert lizard Sauromalus obesus. Physiol. Zool. 48: 252-262.
- Neuman, D.B. and W.L.R. Cruce. 1982. The organization of the reptilian brainstem reticular formation: A comparative study using Nissl and Golgi techniques. J. Morph. 173: 325-350.
- Nonoyama, J. 1936. The distribution of the taste buds on the tongue [sic] of some Reptilia. J. Sci. Hiroshima Univ. Ser. B 5: 57-66.
- Norris, K.S. 1953. The ecology of the desert iguana Dipsosaurus dorsalis. Ecology 34: 265-287.
- 1958. The evolution and systematics of the iguanid genus Uma and its relations to the evolution of other North American desert reptiles. Bull. Amer. Mus. Natur. Hist. 114: 247-326.
- 1967. Color adaptation in desert reptiles and its thermal relationships. pp 162-229. In W. Milstead (ed.), Lizard Ecology. Univ. of Missouri Press; Columbia.
- and C.H. Lowe, Jr. 1964. An analysis of background color matching in amphibians and reptiles. Ecology 45: 565-580.
- Packard, M.J., G.C. Packard, and T.J. Boardman. 1982. Structure of eggshells and water relations of reptilian eggs. Herpetologica 38: 136-155.
- Parker, W.S. 1972. Notes on Dipsosaurus dorsalis in Arizona. Herpetologica 28: 226-229.
- Parsons, T.S. 1970. The nose and Jacobsons organ. pp 99-191. In C.Gans and T. Parsons, The Biology of the Reptilia, Vol. 2. Academic Press; New York.

- Peters, J.A. 1952. Catalogue of type specimens in the herpetological collections of the University of Michigan. Occ. Pap. Mus. of Zool. Univ. Michigan. (539): 1-55.
- Peterson, A.M. 1976. Behavioral studies of visual discrimination in the lizard, Dipsosaurus dorsalis. Ph.D. Dissertation, Univ. California, Riverside.
- Peterson, E.H. 1981. Regional specialization in retinal ganglion cell projection to optic tectum of Dipsosaurus dorsalis (Iguanidae). J. Comp. Neurol. 196: 225-252.
- Peterson, J.A. 1984. The Microstructure of the scale surface in iguanid lizards. J. Herpetol. 18: 437-467.
- Pham, T.D., S.A. Luse and E.W. Dempsey. 1972. A unique form of endoplasmic reticulum in endocardial endothelia of the desert iguana. Ultrastruc. Res. 39: 149-162.
- Philpott, C.W. and J.R. Templeton. 1964. A comparative study of the histology and fine structure of the nasal salt secreting gland in the lizard, Dipsosaurus. Anat. Rec. 148: 394-395.
- Pianka, E.R. 1966. Convexity, desert lizards, and spatial heterogeneity. Ecology 47: 1055-1059.
- 1967. On lizard species diversity: North American flatland deserts. Ecology 48: 333-351.
- 1971. Comparative ecology of two lizards. Copeia 1971: 129-138.
- Pickwell, G.B. 1948. Amphibians and reptiles of the Pacific states. Stanford Univ. Press; Palo Alto.
- Pond, C.M. 1978. The effect of tail loss on rapid running in Dipsosaurus dorsalis. Amer. Zool. 18: 612.
- Porter, W.P. and D.M. Gates. 1969. Thermodynamic equilibria of animals with environment. Ecol. Monogr. 39: 227-244.
- and K.S. Norris. 1969. Lizard reflectivity change and its effect on light transmission through the body wall. Science 163: 482-484.
- J.W. Mitchell, W.A. Beckman and C.B. Dewitt. 1973. Behavioral implications of mechanistic ecology: thermal and behavioral modeling of desert ectotherms and their microenvironment. Oecologia 13: 1-54.
- J.W. Mitchell, W.A. Beckman and C.R. Tracy. 1975. Environmental constraints on some predator prey interactions. Ecol. Stud. 12: 347-364.
- and F.C. James. 1979. Behavioral implications of mechanistic ecology II: The african rainbow lizard Agama agama. Copeia 1979: 594-620.
- and C.R. Tracy. 1983. Biophysical analysis of energetics, time-space utilization, and distributional limits. pp 55-86. In R.B. Huey, E.R. Pianka, and T.W. Schoener (eds.), Lizard Ecology: Studies of a model organism. Harvard Univ. Press; Cambridge.
- Pough, H.F. 1969a. The morphology of under sand respiration in reptiles. Herpetologica. 25: 216-223.
- 1969b. Physiological aspects of the burrowing of sand lizards (Uma, Iguanidae) and other lizards. Comp. Biochem. Physiol. 31: 869-884.
- 1969c. Environmental adaptations in the blood of lizards. Comp. Biochem. Physiol. 15: 885-901.
- 1973. Lizard energetics and diet. Ecology 54: 837-844.
- 1979. Summary of oxygen transport characteristics of reptilian blood. Smithsonian Herpetol. Info. Ser. 45: 1-18.

- Pounds, J.A., J.F. Jackson, and S.H. Shively. 1983. Allometric growth of the hind limb of some terrestrial iguanid lizards. *Amer. Midl. Natur.* 110: 201-207.
- Putnam, R.W. and A.F. Bennett. 1982. Thermal dependence on isometric contractile properties of lizard muscle. *J. Comp. Physiol.* 147B: 11-20.
- , T.T. Gleeson and A.F. Bennett. 1980. Histochemical determination of the fiber composition of locomotory muscles in a lizard, Dipsosaurus dorsalis. *J. Exp. Zool.* 214: 303-310.
- Quay, W.B. and D.C. Wilhoft. 1964. Comparative and regional differences in serotonin content of reptilian brains. *J. Neurochem.* 11: 805-811.
- Regal, P.J. 1980. Temperature and light requirements of captive reptiles. pp 79-89. In J.B. Murphy and J.T. Collins (eds), *Reproductive biology and diseases of captive reptiles*. SSAR Publ. Meserault Kansas.
- Richardson, A. and S.M. Julian. 1974. Avoidance learning in the lizard Dipsosaurus dorsalis. *Psychol. Rept.* 35: 35-40.
- , and M. Brown. 1975. Thermoregulatory operant behavior in the desert iguana, Dipsosaurus dorsalis. *Herpetol. Rev.* 6: 72-73. (abst.)
- Saint-Girons, H. and M.C. Saint-Girons. 1956. Cycle el'active et thermoregulation chez les reptiles (lizards et serpentes). *Vie Milieu* 7: 133-226.
- Saint-Girons, M.C. 1970. Morphology of the circulating blood cells. pp 73-91. In C. Gans and T. Parsons, *Biology of the Reptilia*, Vol. 3, Academic Press; New York.
- , and H. Saint-Girons. 1969. Contribution a la morphologie comparee des erythrocytes chez les reptiles. *British J. Herpetol.* 4: 67-82.
- Savage, J.M. 1958. The iguanid lizard genera Urosaurus and Uta with remarks on related genera. *Zoologica* 43: 41-54.
- , 1960. Evolution of a peninsular herpetofauna. *Syst. Zool.* 9: 184-211.
- , and F.S. Cliff. 1954. A new snake, Phyllorhynchus arenicola, from the Gulf of California, Mexico. *Proc. Biol. Soc. Washington* 67: 69-76.
- Schmidt, A. 1982. (Dipsosaurus dorsalis). *Nordisk. Herpetol. Foren.* 25: 236-239.
- Schmidt, K.P. 1922. The amphibians and reptiles of Lower California and neighboring islands. *Bull. Amer. Mus. Natur. Hist.* 46: 607-707.
- Schmidt, R.S. 1964. Phylogenetic significance of the lizard cochlea. *Copeia* 1964: 542-549.
- Schmidt-Nielson, K. 1964. Desert animals: Physiological problems of heat and water. Oxford Univ. Press; Clarendon.
- , A. Borut, P. Lee and E. Crawford Jr. 1963. Nasal salt excretion and the possible function of the cloaca in water conservation. *Science* 142: 1300-1301.
- Schwab, M.E. 1979. Variation in the rhombencephalon. pp 201-246. In C. Gans (ed.), *Biology of the Reptilia* Vol. 10. Academic Press; New York.
- Schwenk, K. 1985. Occurrence, distribution and functional significance of taste buds in lizards. *Copeia* 1985: 91-101.

- Scudder, K.M., A.L. Powers, and H.M. Smith. 1983. Comparisons of desert iguana (*Dipsosaurus*) from Cerralvo Island and adjacent Baja California, Mexico. *Trans. Kansas Acad. Sci.* 86: 149-153.
- Shaw, C.E. 1950. The lizards of San Diego County with descriptions and key. *Bull. Zool. Soc. San Diego* 25: 1-63.
- Shaw, C.E. 1952. Notes on the eggs and young of some U.S. and Mexican lizards. *Herpetologica* 8: 71-79.
- Shoemaker, V.H., K.A. Nagy and S.D. Bradshaw. 1972. Studies on the control of electrolyte excretion by the nasal salt gland of the lizard *Dipsosaurus dorsalis*. *Comp. Biochem. Physiol.* 42: 749-757.
- Slevin, J.R. 1934. A handbook of reptiles and amphibians of the Pacific states including certain eastern species. *Spec. Publ. California Acad. Sci.* 1-73.
- and A.E. Leviton. 1956. Holotype specimens of reptiles and amphibians in the collection of the California Academy of Science. *Proc California Acad. Sci.* 28: 529-560.
- Smith, H.M. 1946. *Handbook of Lizards: Lizards of the United States and of Canada*. Comstock Publishing Co., Ithaca, New York.
- . 1950. Type localities of Mexican reptiles and amphibians. *Kansas Univ. Sci. Bull.* 33: 313-380.
- . 1971. Noteworthy snakes and lizards from Baja California. *J. Herpetologica* 5: 56-59.
- . and E.H. Taylor. 1950. An annotated checklist and key to the reptiles of Mexico exclusive of the snakes. *Bull. U.S. Natl. Mus.* (199): 1-253.
- . D. Langbartel, and K. L. Williams. 1964. Herpetological type-specimens in the University of Illinois Museum of Natural History. *Illinois Biol. Monog.* 32: 1-80.
- . and E.D. Brodie. 1982. *A Guide to Field Identification of Reptiles of North America*. Golden Press; New York.
- Smith, P.W. and M.M. Hensley. 1958. Notes on a small collection of amphibians and reptiles from the vicinity of the Pinacate lava cap in northwestern Sonora, Mexico. *Trans. Kansas Acad. Sci.* 61: 64-76.
- Snyder, R.C. 1962. Adaptations for bipedal locomotion of lizards. *Amer. Zool.* 2: 191-203.
- Sokol, D. 1967. Herbivory in lizards. *Evolution* 21: 192-194.
- Soule, J.M. and A.J. Sloan. 1966. Biogeography and distribution of reptiles and amphibians on islands in the Gulf of California, Mexico. *Trans. San Diego Soc. Natur. Hist.* 14: 137-156.
- Stebbins, R.C. 1948. Nasal structure in lizards with reference to olfaction and conditioning of the inspired air. *Amer. J. Anat.* 83: 183-221.
- . 1954. *Amphibians and Reptiles of Western North America*. McGraw-Hill, New York.
- . 1966. *A Field Guide to Western Reptiles and Amphibians*. Houghton Mifflin, Boston.
- . 1972. *Amphibians and reptiles of California*. Univ. California Press, Berkeley.
- . 1985. *A Field Guide to Western Reptiles and Amphibians*. Second Edition, revised, Houghton Mifflin Co; Boston.
- Stejneger, L.H. 1893. Annotated list of the reptiles and batrachians collected by the Death Valley expedition in 1891, with descriptions of new species. *N. Amer. Fauna* 7: 159-228.

- , 1939. A Check List of North American Amphibians and Reptiles. 4th ed. Harvard Univ. Press; Cambridge.
- , 1943. A Check List of North American Amphibians and Reptiles. 5th ed. Bull. Mus. Comp. Zool. 93: 1-260.
- and T. Barbour. 1917. A Check List of North American Amphibians and Reptiles. Harvard Univ. Press; Cambridge.
- Stewart, G.R. and R.S. Daniel. 1975. Microornamentation of lizard scales: Some variations and taxonomic correlations. *Herpetologica* 31: 117-130.
- Stone, W. 1911. On some collections of reptiles and batrachians from the western United States. *Philo. Proc. Acad. Natur. Sci.* 63: 222-232.
- Swezey, R.R. and G.N. Somers. 1982. Polymerization thermodynamics and structural stability of skeletal muscle actins from vertebrates adapted to different temperatures and hydrostatic pressures. *Biochemistry* 21:4496-4503.
- Switak, K.H. 1979. Leben in der wüste. Zun Liebling geboren-der Wustenleguan Dipsosaurus dorsalis (Baird and Girard 1852). *Aquarium Aqua Terra* 13: 586-588.
- Tanner, W.W. 1969. New records and distributional notes for reptiles of the Nevada test site. *Grt. Bas. Natur.* 29: 31-34.
- , 1975. 1975 Checklist of Utah amphibians and reptiles. *Proc. Utah Acad. Sci. Arts Letts.* 52: 4-8.
- Tauber, E.S. and A. Atkins. 1968. Optomotor responses to monocular stimulation: relation to visual system organization. *Science* 160:1365-1367.
- Templeton, J.R. 1960. Respiration and water loss at higher temperatures in the desert iguana Dipsosaurus dorsalis. *Physiol. Zool.* 33: 136-145.
- , 1964. Nasal salt secretion in terrestrial lizards. *Comp. Biochem. Physiol.* 11: 223-229.
- , 1965. Acclimation to sodium loading by the lizard nasal salt gland. *Amer. Zool.* 5: 697.
- , 1966. Responses of the lizard nasal salt gland to chronic hypersalemia. *Comp. Biochem. Physiol.* 18: 563-572.
- , 1970. Reptiles. pp 167-221. In G.C.W. Whitton (ed.), *Comparative Physiology of Thermoregulation*. Academic Press; New York.
- , 1971. Peripheral and central control of panting in the desert iguana Dipsosaurus dorsalis. *J. Physiol., Paris* 63: 439-442.
- , D.E. Murrish, E.M. Randall and J.M. Magass. 1968. The effect of aldosterone and adrenalectomy on nasal salt excretion of the desert iguana, Dipsosaurus dorsalis. *Amer. Zool.* 8: 818-819.
- , 1972a. Salt and water balance in the desert iguana Dipsosaurus dorsalis. 1. The effect of dehydration and rehydration, and full hydration. *Zeits. vergl. Physiol.* 76: 245-254.
- , 1972b. Salt and water balance in the desert iguana Dipsosaurus dorsalis. 2. The effect of aldosterone and adrenalectomy. *Zeits. vergl. Physiol.* 76: 255-269.
- Tevis, L. 1944. Herpetological notes from Lower California. *Copeia* 1944: 6-18.
- Troyer, K. 1983. The biology of iguanine lizards: present status and future directions. *Herpetologica* 39: 317-328.

- Ulinski, P.S. and E.H. Peterson. 1981. Patterns of olfactory projections in the desert iguana, Dipsosaurus dorsalis. J. Morph. 168: 189-227.
- Underwood, G. 1970. The eye. pp 1-97. In C. Gans and T. Parsons (eds.), Morphology. Academic Press; New York.
- Vance, V.J. 1959. Oxygen consumption in southern California lizards. Ph.D. Dissertation, Univ. California, Los Angeles.
- and A.M. Richardson. 1966. Reversal learning in desert iguanas (Dipsosaurus dorsalis). Amer. Zool. 6: 543 (abst).
- VanDenburgh, J. 1895. A review of the herpetology of Lower California. Part 1. reptiles. Proc. California Acad. Sci. 5: 77-163.
- , 1897. The reptiles of the Pacific Coast and Great Basin. Occ. Pap. California Acad. Sci. 5: 1-236.
- , 1897 (1898). On some reptiles collected in Sonora, Sinaloa, and Jalisco. Proc. Acad. Natur. Sci. Philadelphia 49: 460-464.
- , 1905. The reptiles and amphibians of the islands of the Pacific coast of North America from the Farallons to Cape San Lucas and Revilla Gigedos. Proc. California Acad. Sci. 4: 1-40.
- , 1912. Notes on a collection of reptiles from southern California and Arizona. Proc. California Acad. Sci. 3: 147-156.
- , 1914. Reptiles and amphibians of the islands of the west coast of North America. Proc. California Acad. Sci. 4: 129-152.
- , 1920. Description of a new lizard (Dipsosaurus dorsalis lucasensis) from lower California. Proc. California Acad. Sci. 10: 33-34.
- , 1922. The reptiles of western North America Vol. I Lizards. Occ. Pap. California Acad. Sci., X: 1-611.
- and J.R. Slevin. 1913. A list of the amphibians and reptiles of Arizona, with notes on the species in the collection of the academy. Proc. California Acad. Sci. 3: 391-454.
- , 1921. A list of the amphibians and reptiles of the peninsula of Lower California, with notes on the species in the collection of the academy. Proc. California Acad. Sci. 11: 49-72.
- Vaughn, L.R., H.A. Bernhein, and M.J. Kluger. 1974. Fever in the lizard Dipsosaurus dorsalis. Nature 252: 473-474.
- Vitt, L.J. and R.H. Ohmart. 1977. Ecology and reproduction of lower Colorado River lizards: II. Cnemidophorus tigris (Teiidae), with comparisons. Hepetologica 33: 223-234.
- , 1978. Herpetofauna of the Lower Colorado River: Davis Dam to the Mexican border. Proc. West. Found. Vert. Zool. 2: 35-72.
- Walker, R.F. 1972. The influence of environmental factors on thyroid function in two species of lizards. Dissertation Abst. Int. 32: 5548.
- , 1973. Influence of subtracheal fat body depletion on thyroid function in the desert iguana. Gen. Comp. Endocrinol. 20: 137-143.
- and D.C. Wilhoft. 1970. Integrated effects of sex hormones, fat bodies and the thyroid gland in the lizard, Dipsosaurus dorsalis. Amer. Zool. 10: 491.
- Weathers, W.W. 1969a. Physiological control of rates of heating and cooling in the iguanid lizard Dipsosaurus dorsalis. Dissertation Abst. Int. 30: 2473-2474.
- , 1969b. Physiological thermoregulation in the desert iguana. Physiologist 12: 386.

- 1970. Physiological thermoregulation in the lizard Dipsosaurus dorsalis. Copeia 1970: 549-557.
- 1971. Some cardiovascular aspects of temperature regulation in the lizard Dipsosaurus dorsalis. Comp. Biochem. Physiol. 40A: 503-515.
- and J.J. McGrath. 1972. Acclimation to simulated altitude in the lizard Dipsosaurus dorsalis. Comp. Biochem. Physiol. 42A: 263-268.
- Welsh, H.H. Jr. and R.B. Burg. 1984. Additions to the herpetofauna of the south Colorado Desert, Baja California, with commentson the relationship of Lichanura trivirgata. Herpetol. Rev. 15: 53-56.
- Werner, Y.L. 1972. Temperature effects on the inner ear sensitivity in six species of iguanid lizards. J. Herpetol. 6: 147-177.
- Wever, E.G. 1978. The Reptiles Ear, Its Structure and Function. University of Princeton Press; Princeton.
- Wilcox, B.A. 1978. Supersaturated island faunas: a species-age relationship for lizards on post-Pliocene land bridge islands. Science 199: 996-998.
- Withers, P.C. 1977. Respiration and metabolism of fossorial and heterothermic animals. Dissertation Abst. Int. 37: 4933-4934.
- 1978. Acid-base regulation as a function of body temperature in ectothermic toads, a heliothermic lizard, and a heterothermic mammal. J. Therm. Biol. 3: 163-171.
- and J.D. Campbell. 1985. Effects of environmental cost on thermoregulation in the desert iguana (Dipsosaurus dorsalis). Physiol. Zool. 58: 329-339.
- Woodbury, A.M. 1931. A descriptive catalogue of the reptiles of Utah. Bull. Univ. Utah Sci. Ser. 21: 1-129.
- 1940. Northern crested lizard collected in Utah. Copeia 1940: 205.
- Wright, R.K. and H.C. Schapiro. 1973. Primary and secondary immune responses of the desert iguana, Dipsosaurus dorsalis. Herpetologica 29: 275-280.
- Yackzan, K.S., M.K. Yousef and D.B. Dill. 1972. Comparative electrocardiography in lizards, effects of temperature and Gymnema sylvestre fractions. Comp. Biochem. Physiol. 43A: 381-391.
- Yacoe, M.E. 1986. Effects of temperature, pH and carbon dioxide tension on the metabolism of isolated hepatic mitochondria of the desert iguana, Dipsosaurus dorsalis. Physiol. Zool. 59: 263-272.
- Yousef, I.M. 1977. Bile acid composition of some lizards from South-Western United States. Proc. Soc. Exper. Biol. Med. 154: 22-26.
- Yousef, M.K., H.D. Johnson, D.A. Johnson, and K.S. Yackyan. 1973. Thyroxine secretion rates in the desert lizards Dipsosaurus dorsalis and Callisaurus draconoides. Gen. Comp. Endocrinol. 20: 217-219.
- Zim, H.S. and H.M. Smith. 1953. Reptiles and Amphibians. A Guide to Familiar American Species. Golden Press 2nd ed.; New York.
- Zug, G.R. 1971. The distribution and patterns of the major arteries of the iguanids and comments on the intergeneric relationships of iguanids (Reptilia: Lacertilia). Smithson. Contr. Zool. (83): 1-23.