

LIST OF PUBLICATIONS ON RESEARCH
AT
JACKSON HOLE BIOLOGICAL RESEARCH STATION

University of Wyoming
and
New York Zoological Society

Altmann, Margaret

1951 Patterns of herd structure in free-ranging elk. Abstr. Anat. Rec., 3(3):74.

1952 Social behavior of elk, Cervus canadensis nelsoni, in the Jackson Hole area of Wyoming. Behavior, 4(2):116-143.

1953 Social graces in elk society. Bull. N. Y. Zool. Soc., Animal Kingdom, 56(3):66-72.

1956 Patterns of herd behavior in free-ranging elk of Wyoming, Cervus canadensis nelsoni. Zoologica, 41(2):65-71.

Two marking devices for large land mammals. Jour. of Wildl. Mgmt., 20(4):464. With Richard D. Taber and Anton de Vos.

Patterns of social behavior in big game. Trans. of the 21st No. Amer. Wildl. Conf., March 5-7, 1956. pp. 538-545.

1958 The flight distance in free-ranging big game. Jour. of Wildl. Mgmt., 22(2):207-209.

Social integration of the moose calf. Animal Behaviour, 6(3-4):155-159.

1959 Group dynamics in Wyoming moose during the rutting season. Jour. of Mammal., 40(3):420-424.

1960 Moose runs from Sandhill Crane. J. of Mammal., 41(4):525.

The role of juvenile elk and moose in the social dynamics of their species. Zoologica, 45, Pt. 1:35-39.

1961 "Teen-age" problems in the wilderness. Animal Kingdom, 64(2):41-44.

1963 Naturalistic studies of maternal care in moose and elk. Chapter in Maternal Behavior in Mammals Ed. by Harriet L. Rheingold. John Wiley & Sons, pp. 233-253.

Seniors of the wilderness. Animal Kingdom, 66(6):181-183.

1965 Messages in the wild. Animal Kingdom, 68(6):179-182.

1968 Social conduct in and out of the herd. Colo. Quarterly, 16(4):335-351.

Armitage, Kenneth B.

- 1959 Behavior patterns of juvenile yellow-bellied marmots (Marmota flaviventris nosophora Howell). Anat. Rec., 134(3):529.
- 1961 Frequency of melanism in the golden-mantled marmot. J. of Mammal., 42(1):100-101.
- 1962 Social behaviour of a colony of the yellow-bellied marmot (Marmota flaviventris). An. Behav., 10(3-4):319-331.

Bangham, Ralph

- 1951 Parasites of fish in the Upper Snake River drainage and in Yellowstone Lake, Wyoming. Zoologica, 36(III).
 - 1953 Studies on monogenetic trematodes: Dactylogyridae from Alaska, Wisconsin and Wyoming. Am. Mid. Nat., 50(1):206-217. Published by John D. Mizelle and Francis O. Webb using Bangham's material.
- Hypocaryophyllaeus gilae n. sp. (Cestoda: Caryophyllaeidae) from the Utah chub, Gila atraria, in Wyoming. Proc. Helm. Soc. Wash., 20(2): 113-117. Published by Jacob H. Fischthal using Bangham's material.

Baxter, John W.

- 1960 Aquatic Hyphomycetes from Wyoming. Mycologia, 52(4):654-655.

Beetle, Alan A.

- 1957 A study of range condition classes in the Jackson Hole region of Wyoming. Wyoming Range Management Issue No. 104. (Mimeo.)
- 1960 A Study of Sagebrush. Bulletin 368, University of Wyoming Agricultural Experiment Station, June.
- 1961 Range Survey in Teton County, Wyoming. Part I. Ecology of Range Resources. Bulletin 376, University of Wyoming Agricultural Experiment Station, March.
- 1962 Range Survey in Teton County, Wyoming. Part II. Utilization and Condition Classes. Bulletin 400, University of Wyoming Agricultural Experiment Station, December.
- 1968 Range Survey in Teton County, Wyoming. Part III. Trends in Vegetation. Research Journal 26, University of Wyoming Agricultural Experiment Station, December.

Beetle, Dorothy E.

- 1956 Habitats of terrestrial Mollusca in Jackson Hole, Wyoming. Jour. Colo.-Wyo. Acad. Sci., 55(8):43.
 - 1957 The Mollusca of Teton County, Wyoming. The Nautilus, 71(1):12-22.
 - 1960 Noteworthy records of Wyoming Mollusca. The Nautilus, 73(4):155-157.
- A checklist of Wyoming recent Mollusca. Sterkiana, No. 3.

Bliss, L. C.

- 1956 A comparison of plant development in microenvironments of arctic and alpine tundras. *Ecol. Mon.*, 26:303-337.

Calder, William A., Jr.

- 1968 Temperature relations and underwater endurance of the smallest homeothermic diver. *Amer. Zoologist*, 8(4):145.
- 1969 Temperature relations and underwater endurance of the smallest homeothermic diver, the water shrew. *Comp. Biochem. Physiol.*, 30:1075-1082.

Carpenter, Charles

- 1953 Aggregation behavior of tadpoles of Rana p. pretiosa. *Herpetologica*, 9:77-78.

An ecological survey of the herpetofauna of the Grand Teton-Jackson Hole area of Wyoming. *Copeia*, 3:170-174.

Trapping technique for aquatic salamanders. *Herpetologica*, 8:183.

- 1954 A study of amphibian movement in the Jackson Hole Wildlife Park. *Copeia*, 3:197-200.

Craighead, Frank C.

- 1951 A biological and economic evaluation of coyote predation. N. Y. Zool. Soc. and the Conservation Found. July (booklet)

Craighead, John J.

- 1952 A biological and economic appraisal of the Jackson Hole elk herd. N. Y. Zool. Soc. and the Conservation Found. November (booklet)

Craighead, Frank C. and John J. Craighead

- 1949 Nesting Canada geese on the Upper Snake River. *Jour. Wildl. Mgmt.*, 13(1):51-64.

- 1950 The ecology of raptor predation. *Trans. 15th No. Amer. Wildl. Conf.*, pp. 209-223.

Cummins, George B. and John W. Baxter

- 1962 Nomenclature, life histories, and records of North American Uredinales. *Madrono*, 16(6):201-203.

Denniston, R. H.

- 1948 Certain aspects of the behavior of the Wyoming moose. *Jour. Colo.-Wyo. Acad. of Sci.*, 3(6):55.

- 1949 The development of a calf moose. *Jour. Colo.-Wyo. Acad. of Sci.*, 4(1):58.

- 1956 Ecology, behavior and population dynamics of the Wyoming or Rocky Mountain moose, Alces alces shirasi. *Zoologica*, 41(3):105-118.

Diem, Kenneth L.

- 1967 Banding Studies of Water Birds on the Molly Islands, Yellowstone Lake, Wyoming. Yellowstone Library and Museum Association, Yellowstone National Park. 41 pp. (With David DeL. Condon)

Dimmick, Ralph W.

- 1968 Canada Geese of Jackson Hole. Bull. No. 11, Wyoming Game and Fish Commission, Cheyenne, Wyoming. 86 pp.

Edwards, William C.

- 1964 A preliminary investigation concerning the plant ecology of the willow flats on Jackson Lake, Jackson Hole, Wyoming. Proc. 74th Annual Meeting of the Nebr. Acad. of Sciences, May 1 & 2, pp. 6-7.

Emlen, John T.

- 1952 Social behavior in nesting cliff swallows. The Condor, 54:177-199.
- 1954 Territory, nest building, and pair formation in the cliff swallow. The Auk, Vol. 71.

Evans, Howard E.

- 1962 The geyser-loving digger wasps of Yellowstone. The Explorer (Cleveland, Ohio), 4:6-11.

- 1963 Predatory wasps. Scientific American, 208(4):145-154. April.

The clustering wasps--and why they cluster. Audubon Mag., 65(4):236-237. July-August.

Notes on the prey and nesting behavior of some solitary wasps of Jackson Hole, Wyoming. Entomological News, 74(9):233-239.

- 1964 Observations on the ethology of digger wasps of the genus Steniolia (Hymenoptera:Sphecidae:Bembicini). Amer. Mid. Nat., 72(2):257-280. (With J. E. Gillaspay)

- 1965 Simultaneous care of more than one nest by Ammophila azteca Cameron (Hymenoptera, Sphecidae). Psyche, 72(1):8-23.

- 1966 The Comparative Ethology and Evolution of the Sand Wasps. Harvard Univ. Press, 526 pp.

The accessory burrows of digger wasps. Science, 152(3721):465-471.

Nests and prey of two species of Philanthus in Jackson Hole, Wyoming (Hymenoptera, Sphecidae). Great Basin Naturalist, 26(1-2):35-40.

- 1968 The hunt of the wasps at Jackson Hole. Natural History, 77:38-39.

Findley, James S.

- 1951 Habitat preferences of four species of Microtus in Jackson Hole, Wyoming. Jour. Mammal., 32(1):118-120.

A record of moose speed. Jour. Mammal., 32(1):116.

A tame red fox cub. Jour. Mammal., 32(1):117.

- 1954 Reproduction in two species of Myotis in Jackson Hole, Wyoming. Jour. Mammal., 35(3):434.

Flack, J. A. Douglas

- 1970 Bird populations of aspen forests in Western North America. University of Wisconsin. (Abstract, Ph.D. Thesis) Microfilm or photocopies available.

French, Norman R.

- 1955 Foraging behavior and predation by Clark Nutcracker. The Condor, 57(1):61-62.

- 1959 Life history of the Black Rosy Finch. The Auk, 76(2):159-180.

Distribution and migration of the Black Rosy Finch. The Condor, 61(1):18-29.

Gilligan, James P.

- 1954 Wildlife values in western wilderness area management. Jour. Wildl. Mgmt., 18(4).

Gould, Edwin, Norman C. Negus and Alvin Novick

- 1964 Evidence for echolocation in shrews. J. Exp. Zool., 156(1):19-38.

Houston, Douglas B.

- 1968 The Shiras Moose in Jackson Hole, Wyoming. Grand Teton Nat. Hist. Assoc. Tech. Bull. #1. 110 pp.

- 1969 Immobilization of the shiras moose. Jour. Wildl. Mgmt., 33(3):534-537.

John, Kenneth R.

- 1957 Comparative rates of survival of normal and deformed chub, Gila atraria Girard, in Two Ocean Lake, Teton County, Wyoming. Proc. Pa. Acad. of Science, 31:77-82.

- 1959 Ecology of the chub, Gila atraria with special emphasis on vertebral curvatures in Two Ocean Lake, Teton National Park, Wyoming. Ecology, 40(4):564-571.

Jones, Webster B.

- 1965 Response of major plant species to elk and cattle grazing in North-western Wyoming. J. of Range Mgmt., 18(4):218-220.

Kennington, Garth S.

- 1957 Influence of altitude and temperature upon rate of oxygen consumption of Tribolium confusum Duval and Camponotus pennsylvanicus modoc Wheeler. *Physiol. Zool.*, 39(4):305-314.
- 1961 The influence of temperature and atmospheric pressure on the rate of oxygen uptake in Tribolium confusum. *Ecology*, 42(1):212-215.

Laycock, William

- 1953 Ecological notes on the pocket gopher in Wyoming. *Jour. Colo.-Wyo. Acad. of Sci.*, 4(5):41.
- 1957 Seasonal periods of surface inactivity of the pocket gopher. *Jour. of Mammal.*, 38(1):132-133.
- 1958 The initial pattern of revegetation of pocket gopher mounds. *Ecology*, 39(2):346-351.

Levi, Herbert W. and Lorna R. Levi

- 1951 Report on a collection of spiders and harvestmen from Wyoming and neighboring states. *Zoologica*, 36(LV):219-237.
- A report on land snails of the Jackson Hole region, Wyoming. *The Nautilus*, 65(2):60-65.

Lichtwardt, Robert W.

- 1967 Zygospores and spore appendages of Harpella (Trichomycetes) from larvae of Simuliidae. *Mycologia*, 59(3):482-491.

Lowrie, Donald C.

- 1955 A list of the spiders of the Grand Teton Park area, with descriptions of some new North American spiders. *Amer. Museum Novitates*, No. 1736: 1-29. (With Willis J. Gertsch)
- 1967 Some life history data on several species of common spiders from the Jackson Hole area of Wyoming. *Bull. So. Calif. Acad. of Sci.*, 66(2):142-146.
- 1968 The spiders of the herbaceous stratum of the Jackson Hole region of Wyoming. *Northwest Science*, 42(3):89-100.

McHugh, Tom

- 1958 Social behavior of the American buffalo (Bison bison bison). *Zoologica*, 43, Pt. 1, No. 1, pp. 1-40 (entire issue) April 1958.

McKnight, Kent H.

- 1969 A note on Discina. *Mycologia*, 61(3):614-630. May-June.

Miller, Dwight D.

- 1955 A study of sex combs in Drosophila affinis and Drosophila athabasca. *Trans. of the Amer. Microscop. Soc.*, 74(2):191-197.

Nakamura, Mitsuru

- 1950 A survey of Pasteurella tularensis infection in the animals of the Jackson Hole area. Zoologica, 35(II):129-131.

Negus, Norman C.

- 1950 Breeding of three-year-old females in the Jackson Hole Wildlife Park buffalo herd. Jour. of Mammal., 31(4):463.

Fluctuation in the population of Neotoma cinerea (woodrat) in Jackson Hole, Wyoming. Jour. of Mammal., 31(2):196-197.

Habitat adaptability of Phenacomys in Wyoming. Jour. of Mammal., 31(3):351.

- 1959 Mammals of Jackson Hole, Wyoming. Jour. of Mammal., 40(3):371-381. (With James S. Findley)

- 1970 Pineal weight response to a dietary variable in Microtus montanus. Experientia (in press). (With P. J. Berger)

Activity rhythms in Microtus montanus: the role of the pineal gland. (Submitted to Journal of Experimental Zoology.) (With P. J. Berger)

The dynamics of Microtus montanus populations in Jackson Hole, Wyoming from 1960-1970. (In preparation.)

Noble, Glenn A.

- 1953 An intestinal amoeba from the prong-horned antelope. Trans. of the Amer. Microscop. Soc., 72(3):249-252.

- 1958 Coprozoic protozoa from Wyoming mammals. J. Protozool., 5(1):69-74.

- 1961 Stress and Parasitism. I. A preliminary investigation of the effects of stress on ground squirrels and their parasites. Exper. Parasit., 11(1):63-67.

- 1962 Stress and Parasitism II. Effect of crowding and fighting among ground squirrels on their Coccidia and Trichomonads. Exper. Parasit., 12(5):368-371.

- 1966 Stress and Parasitism III. Reduced night temperature and the effect on pinworms of ground squirrels. Exper. Parasit., 18(1):61-62.

Stress and Parasitism IV. Cold stress and Entamoeba. Exper. Parasit., 19(3):264-268.

Patterson, Robert L.

- 1952 Sage Grouse in Wyoming. Sage Books, Denver, Colorado.

Rausch, Robert

- 1949 Paradilepis simoni n. sp., a cestode parasitic on the osprey. *Zoologica*, 34(1).

A contribution to the study of North American cestodes of the genus Paruterina Fuhrmann, 1906. *Zoologica*, 34(1). (With Everett Schiller)

Reed, John F.

- 1948 Botanical investigations in the Jackson Hole Wildlife Park. *Jour. Colo.-Wyo. Acad. of Sci.*, 3(6):40.
- 1950 The meadows of the Jackson Hole Wildlife Park. *Jour. Colo.-Wyo. Acad. of Sci.*, 4(2):53.
- 1952 The vegetation of the Jackson Hole Wildlife Park, Wyoming. *Am. Mid. Nat.*, 48(3):700-729.

Roofe, Paul G.

- 1960 The rate of flow of blood through capillaries in the olfactory lobe of the brain of Amblystoma tigrinum. *Anat. Rec.*, 138(2):159-162.
- 1961 Blood constituents of Amblystoma tigrinum. *Anat. Rec.*, 140(4):337-340.
- Weights and linear measurements of the body and of some organs of the tiger salamander. *Anat. Rec.*, 141(1):35-44. (With Homer B. Latimer and Lily S. Feng)
- 1964 Weights and linear measurements of the body and organs of the tiger salamander, before and after metamorphosis, compared with the adult. *Anat. Rec.* 148(2):139-147.

Salt, George W.

- 1957 An analysis of avifaunas in the Teton Mountains and Jackson Hole, Wyoming. *The Condor*, 59(6):373-393.

Scherba, Gerald

- 1961 Nest structure and reproduction in the mound-building ant Formica opaciventris Emery in Wyoming. *J. of the N. Y. Ent. Soc.*, 69:71-87.
- 1963 Population characteristics among colonies of the ant Formica opaciventris Emery (Hymenoptera:Formicidae). *J. of the N. Y. Ent. Soc.*, 71:219-232.
- 1964 Analysis of inter-nest movement by workers of the ant Formica opaciventris (Hymenoptera:Formicidae). *An. Behav.*, 12(4):508-512.
- Species replacement as a factor affecting distribution of Formica opaciventris Emery (Hymenoptera:Formicidae). *J. of the N. Y. Ent. Soc.*, 72:231-237.
- Analysis of inter-nest movement by workers of the ant, Formica opaciventris. *Amer. Zool.*, 4(3):162.
- 1965 Observations on Microtus nesting in ant mounds. *Psyche*, 72(2):127-132.

Simon, James R.

The American Elk or Wapiti. Wildlife Series No. 1, Jackson Hole Wildlife Park.

The Wyoming or Yellowstone Moose. Wildlife Series No. 2, Jackson Hole Wildlife Park.

Smith, Dixie R.

1959 Changes in interspecific associations as related to grazing pressures. Jour. Range Mgmt., 12(6):309-311.

1960 Description and response to elk use of two mesic grassland and shrub communities in the Jackson Hole region of Wyoming. Northwest Science, 34(1):25-36.

1961 Competition between cattle and game on elk winter range. Wyo. Ag. Exp. Sta. Bull. 377, 16 pp.

Solheim, W. G.

1960 Mycoflora Saximontanensis Exsiccata. Centum XI and XII. U. of Wyoming Publ. 24(3 & 4):22-33; 34-55.

Spencer, Warren P.

1950 The Drosophila of Jackson Hole, Wyoming--a taxonomic and ecological survey. Am. Mid. Nat., 43(1):79-87.

Thornton, Charles Stead

1956 Epidermal modifications in regenerating and in non-regenerating limbs of anuran larvae. J. Exp. Zool., 131(2):373-394.

The relation of epidermal innervation to the regeneration of limb deplants in Amblystoma larvae. J. Exp. Zool., 133(2):281-300.

1957 The effect of apical cap removal on limb regeneration in Amblystoma larvae. J. Exp. Zool., 134(2):357-382.

1958 The inhibition of limb regeneration in urodele larvae by localized irradiation with ultra-violet light. J. Exp. Zool., 137(1):153-180.

1960 Influence of an eccentric epidermal cap on limb regeneration in Amblystoma larvae. Dev. Biol., 2(6):551-569.

Regeneration of sensory limbs of Amblystoma larvae. Copeia, No. 4, pp. 371-373, Dec. 30.

Thurmond, William

- 1967 Hypothalamic chromatophore-stimulating activity in the amphibians Hyla regilla and Ambystoma tigrinum. Gen. and Comp. Endocrinology, 8(2):245-251.

Onset of chromatophore-stimulating activity by the hypothalamus and adenohypophysis in Hyla regilla and Ambystoma tigrinum. Gen. and Comp. Endocrinology, 8(2):252-257.

Intermedin-like activity by the pars distalis of the salamander Ambystoma tigrinum. Amer. Zool., 7(2):7, May.

- 1968 Onset of melanophore-stimulating activity of the pars distalis and pars intermedia of the tiger salamander Ambystoma tigrinum melano-
stictum. Amer. Zool., 8(4):113, November.

Tiner, Jack D.

- 1951 Observations on larval carnivore ascarids in rodents. Jour. Parasit., 37(Sup.):21-22.

- 1952 Speciation in the genus Ascaris: Additional experimental and morphological criteria. Jour. Parasit., 38(Sup.):57.

- 1953 The migration, distribution in the brain, and growth of ascarid larvae in rodents. Jour. Infect. Dis., 92:105-113.

Fatalities in rodents caused by larval Ascaris in the central nervous system. Jour. Mammal., 34:153-167.

Wiley, Robert W.

- 1969 Snake River Cutthroat Trout Study, Part II: An ecological evaluation of the Snake River cutthroat trout fishery with emphasis on harvest. Coop. Res. Proj. #4, Wyo. Game & Fish Com., June, 1969.

Williams, Olwen

- 1959 Food habits of the deer mouse. Jour. of Mammal., 40(3):413-419.