

DR-1947

MASTER



COO-1332-26

A CONTRIBUTION TO A BIBLIOGRAPHY  
OF THE RACCOON (PROCYON LOTOR)

September 1971

Museum of Natural History  
University of Minnesota  
Minneapolis, Minnesota

UNITED STATES ATOMIC ENERGY COMMISSION • DIVISION OF TECHNICAL INFORMATION

DISTRIBUTION OF THIS DOCUMENT IS UNLIMITED

## **DISCLAIMER**

**This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency Thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.**

## **DISCLAIMER**

**Portions of this document may be illegible in electronic image products. Images are produced from the best available original document.**

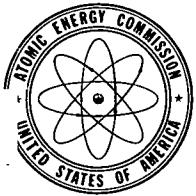
## **NOTICE**

This report was prepared as an account of work sponsored by the United States Government. Neither the United States nor the United States Atomic Energy Commission, nor any of their employees, nor any of their contractors, subcontractors, or their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness or usefulness of any information, apparatus, product or process disclosed, or represents that its use would not infringe privately owned rights.

This report has been reproduced directly from the best available copy.

Available from the National Technical Information Service, U. S. Department of Commerce, Springfield, Virginia 22151.

Price: Paper Copy \$3.00  
Microfiche \$0.95.



UNITED STATES  
ATOMIC ENERGY COMMISSION  
WASHINGTON, D.C. 20545

AUG 24 1971

Phillip W. Rosser  
Document Management Branch, DTIE

BIBLIOGRAPHY OF THE RACCOON

Enclosed is the original and one copy of the bibliography for publication evaluation. The Division of Biology and Medicine believes that this bibliography will make a worthwhile contribution to ecology literature. While there are few references to radiation and its effect on raccoons, nevertheless, the basic work on the raccoon has never been gathered together. These basic studies need to be document and made available for study by radiation ecologists, who are just now finding the raccoon an invaluable test animal for wild-life studies with applications to mammals in general, e.g., home range and territoriality.

The manuscript was prepared under Contract AT(11-1)-1332.

We recommend a UC-48 distribution with 10 copies to the authors and 25 copies for Headquarters use.

*Bob*

Robert F. Pigeon  
Scientific Publications Branch  
Division of Technical Information

Coo-1332-26

*OK  
pw2  
8-26-71*

This report was prepared as an account of work sponsored by the United States Government. Neither the United States nor the United States Atomic Energy Commission, nor any of their employees, nor any of their contractors, subcontractors, or their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness or usefulness of any information, apparatus, product or process disclosed, or represents that its use would not infringe privately owned rights.

DISTRIBUTION OF THIS DOCUMENT IS UNLIMITED

*fey*

A CONTRIBUTION TO A BIBLIOGRAPHY OF THE RACCOON (PROCYON LOTOR)

by

**GLEN C. SANDERSON, Head**  
**Section of Wildlife Research**  
**Illinois Natural History Survey**  
**University of Illinois**  
**Urbana, Illinois**

**L. DAVID MECH, Research Associate**  
**Museum of Natural History**  
**University of Minnesota**  
**Minneapolis, Minnesota**

**JAY H. SCHNELL, Post-doctoral Fellow**  
**Museum of Natural History**  
**University of Minnesota**  
**Minneapolis, Minnesota**

Contract AT(11-1)-1332

This report was prepared as an account of work sponsored by the United States Government. Neither the United States nor the United States Atomic Energy Commission, nor any of their employees, nor any of their contractors, subcontractors, or their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness or usefulness of any information, apparatus, product or process disclosed, or represents that its use would not infringe privately owned rights.

DISTRIBUTION OF THIS DOCUMENT IS UNLIMITED

fly

## TABLE OF CONTENTS

	Page
Taxonomy and Distribution . . . . .	4
Regional Studies . . . . .	8
Study Techniques . . . . .	14
General . . . . .	16
Life History and Ecology . . . . .	20
Food Habits . . . . .	26
Depredations . . . . .	29
Anatomy and Development . . . . .	31
Behavior and Psychology . . . . .	35
Physiology . . . . .	37
Reproduction . . . . .	39
Parasitology and Disease . . . . .	41
Management and Propagation . . . . .	56
Trapping and Hunting . . . . .	60
Miscellaneous . . . . .	68
Author Index . . . . .	70
Regional Index . . . . .	81

## INTRODUCTION

The raccoon (Procyon lotor) is a common native mammal occurring throughout most of North America south of the mid-latitudes of Canada. It is a most adaptable species and has responded very successfully to habitat changes wrought by human activities. It is easily procurable from the wild, and can be tamed or raised in captivity. Thus the raccoon is a convenient animal for testing or elaborating concepts that apply to mammals in general, e.g., studies of home range and territoriality. In addition, this species shows great potential in investigations of energy conservation and fat deposition and metabolism, for in the northern latitudes it is dormant throughout winter, when individuals may lose more than half their weight. The raccoon's present northward expansion of range also poses an interesting problem for biogeographers.

To facilitate the future investigation of the raccoon and its ecology, we offer this contribution to a bibliography of information on the species. This collection of approximately 600 references includes those accumulated by the senior author over a 20-year period, supplemented by citations located through a search of Biological Abstracts, Wildlife Abstracts, and Wildlife Review, directed by the junior authors. The latter also initiated the project and organized the manuscript.

The references are classified into 15 categories and alphabetized by author within each. They are numbered consecutively throughout and are referred to by number in the author and regional indexes and in cross references.

This project is a contribution of U.S. Atomic Energy Commission Contract AT(11-1)-1332 (Document COO-1332-26) to Dr. J. R. Tester, University of Minnesota. Mrs. Helen C. Schultz, Mr. Melvin E. Sunquist, and Mr. Dean G. Schneider aided in the library research.

**TAXONOMY and DISTRIBUTION: Classification, Distribution, Range Extensions.**

1. Allen, J. A. 1876. Geographical variation among North American mammals, especially in respect to size. U. S. Geological and Geographical Survey of the Territories. Volume 2, Bulletin 4: 309-344 (325-327).
2. Aliev, F. F., and G. C. Sanderson. 1966. Distribution and status of the raccoon in the Soviet Union. Journal of Wildlife Management 30(3): 497-502.
3. Bangs, O. 1898. A new raccoon from Nassau Island, Bahamas. Proceedings of the Biological Society of Washington 12: 91-92.
4. Dice, L. R. 1919. The mammals of southeastern Washington. Journal of Mammalogy 1(1): 10-21 (12). Plates 1 and 2.
5. Dozier, H. L. 1948. A new eastern marsh-inhabiting race of raccoon. Journal of Mammalogy 29(3): 286-290.
6. Dozier, H. L., Thora M. Plitt Hardy, and M. H. Markley. 1948. Fur characteristics of two eastern raccoons. Journal of Mammalogy 29(4): 383-393.
7. Dubost, G. 1962. Capture d'un raton laveur (*Procyon lotor* L.) en Moselle. (Capture of a raccoon (*Procyon lotor* L.) in Moselle.) Bulletin de la Societe Lorraine des Sciences 2(1): 2-5. (In French.)
8. Durr, S. M. 1958. Further record of raccoon in Saskatchewan. Blue Jay 16(2): 80. Saskatchewan Natural History Society.
9. Fox, G. R. 1958. Another raccoon record. Blue Jay 16(4): 179. Saskatchewan Natural History Society.
10. Francis, C. S. 1959. Raccoons in Saskatchewan. Blue Jay 17(1): 30. Saskatchewan Natural History Society.

11. Gabrielson, I. N. 1921. Notes on the mammals observed in Marshall County, Iowa. Proceedings of the Iowa Academy of Science 28: 145-149 (149).
12. Gidley, J. W. 1906. A fossil raccoon from a California Pleistocene cave deposit. Proceedings of the United States National Museum 29: 553-554.
13. Gilmore, R. M. 1946. Mammals in archeological collections from southwestern Pennsylvania. Journal of Mammalogy 27(3): 227-234 (229).
14. Hall, E. R., and K. R. Kelson. 1959. The mammals of North America. Volume 2. The Ronald Press Company, New York. Pp. 547-1083 + 79pp., index (884-889).
15. Huey, L. M. 1937. Descriptions of new mammals from Arizona and Sonora, Mexico. Transactions of the San Diego Society of Natural History 8(25): 349-359.
16. Long, C. A. 1964. Procyon brachyurus Wiegmann, 1837, and Procyon obscurus Wiegmann, 1837: Proposed suppression under the plenary powers (Mammalia, Carnivora). Z. N. (S.) 1640. Bulletin of Zoological Nomenclature 21(Part 4): 318-320.
17. Mann, S. A., and Joyce Gunn. 1956. Raccoons in Saskatchewan. Blue Jay 14(1): 27. Saskatchewan Natural History Society.
18. Mearns, E. A. 1914. Descriptions of three new raccoons from the Mexican boundary region. Proceedings of the Biological Society of Washington 27: 63-67.
19. Miller, F. W. 1930. Notes on some mammals of southern Matto Grosso, Brazil. Journal of Mammalogy 11(1): 10-22 (13). Plates 1 and 2.
20. Miller, G. S., Jr. 1911. Descriptions of two new raccoons. Proceedings of the Biological Society of Washington 24: 3-6.

21. Mukhtarov, R. D. 1963. Ekologiya i rasselenie enota-poloskuna v gorakh Bostandyka. (The ecology and spread of the raccoon in the Bostandyk mountains.) In: Okhotnich'e - promyslovye Zhivotnykh Uzbekistana. (Commercial game animals of Uzbekistan.) Akademiiia Nauk Uzbeksh. SSR (Tashkent): 25-35. 1963. Referativnyi Zhurnal, Biologii, 1963, No. 241263. (In Russian.) Biological Abstracts 45(19): 6464. 1964. (Translation.)
22. Nelson, E. W. 1930. Four new raccoons from the keys of southern Florida. Smithsonian Miscellaneous Collections 82(8). 12 pp. Plates 1-5.
23. Nelson, E. W., and E. A. Goldman. 1930. A new raccoon from Lower California. Journal of the Washington Academy of Science 20(5): 82-83.
24. Nelson, E. W., and E. A. Goldman. 1930. Six new raccoons of the Procyon lotor group. Journal of Mammalogy 11(4): 453-459.
25. Nelson, E. W., and E. A. Goldman. 1931. A new raccoon from South Carolina. Journal of Mammalogy 12(3): 308-309.
26. Nelson, E. W., and E. A. Goldman. 1931. Three new raccoons from Mexico and Salvador. Proceedings of the Biological Society of Washington 44: 17-21.
27. Nelson, E. W., and E. A. Goldman. 1932. The type locality of Ursus lotor Linne. Journal of Mammalogy 13(4): 367.
28. Robinson, T. S. 1958. An erroneous record of the Carolina parakeet and other animals in Montana. Auk 75(1): 91-93.
29. Rukovskii, N. N. 1958. Sovremennoe rasprostranenie enota-poloskuna v SSSR i perspektivy ego dal'neishego rasseleniya. (Contemporary distribution of the raccoon and the possibilities of its greater distribution.) Byulleten' Nauchno-Tekhnicheskoi Informatsii Vsesoyuznogo Nauchno-Issledovatel'skogo Instituta Zhivotnogo Syr'ya i Pushchniny 3: 43-46. Referativnyi Zhurnal, Biologii 1959, No. 76189. (In Russian.) Biological Abstracts 45(2): 402. (Translation.)

30. Schmidt, F. J. W. 1931. Mammals of western Clark County, Wisconsin.  
Journal of Mammalogy 12(2): 99-117 (117).
31. Seton, E. T. 1943. The arctic prairies. International University  
Press, New York. 308 pp. (104, 109), (Copyright, 1911; New  
Uniform Edition, Republication October 30, 1943.)
32. Shufeldt, R. W. 1915. On the taxonomy of the Procyonidae. Science  
(new series). 41(1062): 691-692.
33. Soper, J. D. 1923. The mammals of Wellington and Waterloo Counties,  
Ontario. Journal of Mammalogy 4(4): 244-252 (251).
34. Soper, J. D. 1942. Mammals of Wood Buffalo Park, northern Alberta  
and District of Mackenzie. Journal of Mammalogy 23(2): 119-145  
(126-127).
35. Soper, J. D. 1946. Mammals of the northern Great Plains along the  
international boundary in Canada. Journal of Mammalogy 27(2):  
127-153 (136).
36. Spurrell, J. A. 1917. An annotated list of the mammals of Sac County,  
Iowa. Proceedings of the Iowa Academy of Science 24: 273-284.
37. Sutton, R. W. 1964. Range extension of raccoon in Manitoba. Journal  
of Mammalogy 45(2): 311-312.

See also: 491.

REGIONAL STUDIES: General Studies of Local Populations.

38. Amundson, R. 1949. The raccoon. *Wildlife in North Carolina* 13(5): 4-6, 20.
39. Anon. 1939. Wisconsin raccoon. *Wisconsin Conservation Bulletin* 4(10): 56.
40. Bailey, B. 1929. Mammals of Sherburne County, Minnesota. *Journal of Mammalogy* 10(2): 153-164 (156).
41. Bailey, V. 1905. Biological survey of Texas. U. S. D. A., Biological Survey, North American Fauna 25. 222 pp.
42. Bailey, V. 1926. A biological survey of North Dakota. U. S. D. A., Bureau of Biological Survey, North American Fauna 49. 266 pp.
43. Bailey, V. 1936. The mammals and life zones of Oregon. U. S. D. A., Bureau of Biological Survey, North American Fauna 55. 416 pp.
44. Baker, G. F., and W. Sylvester. 1947. Kentucky's national wildlife refuge. *Kentucky Warbler* 23(2): 17-21.
45. Baker, R. H. 1956. Mammals of Coahuila, Mexico. University of Kansas Publications, Museum of Natural History 9(7): 125-335.
46. Bennett, R., and W. O. Nagel. 1937. A survey of the resident game and fur-bearers of Missouri. University of Missouri Studies 12(2): 140-145. 215 pp.
47. Berard, E. V. 1952 (1951). Basic study of the raccoon. Appendix (53 pp.) in A survey of West Virginia mammals. Pittman-Robertson Project 22-R, Conservation Commission of West Virginia. 126 pp. Mimeo.
48. Bradt, G. W. 1946. The raccoon -- masked clown of the woodlots. *Michigan Conservation* 15(8): 6-7.

49. Cahalane, V. H. 1939. Mammals of the Chiricahua Mountains, Cochise County, Arizona. *Journal of Mammalogy* 20(4): 418-440 (423).
50. Cahn, A. R. 1921. The mammals of Itasca County, Minnesota. *Journal of Mammalogy* 2(2): 68-74 (70-71).
51. Campbell, J. E. 1945. The raccoon in North Dakota. *North Dakota Outdoors* 7(8): 4.
52. Connor, P. F. 1953. Notes on the mammals of a New Jersey pine barrens area. *Journal of Mammalogy* 34(2): 227-235 (231).
53. Cory, C. B. 1912. The mammals of Illinois and Wisconsin. *Field Museum of Natural History, Zoological Series*. Volume 11. 505 pp. (391-396).
54. Crane, J. 1931. Mammals of Hampshire County, Massachusetts. *Journal of Mammalogy* 12(3): 267-273 (270).
55. Cunningham, E. R. 1962. Study of the eastern raccoon, Procyon lotor (L.), on the Atomic Energy Commission Savannah River Plant. M.S. Thesis. University of Georgia, Athens.
56. Dellinginger, S. C., and J. D. Black. 1940. Notes on Arkansas mammals. *Journal of Mammalogy* 21(2): 187-191 (188).
57. Dice, L. R. 1923. Notes on some mammals of Riley County, Kansas. *Journal of Mammalogy* 4(2): 107-112 (108).
58. Goodwin, G. G. 1935. The mammals of Connecticut. *State of Connecticut, State Geological and Natural History Survey Bulletin* 53: 1-221 (58-60, Plate 6).
59. Hamilton, W. J., Jr. 1930. Notes on the mammals of Breathitt County, Kentucky. *Journal of Mammalogy* 11(3): 306-311 (308).
60. Hewitt, C. G. 1921. The conservation of the wildlife of Canada. Charles Scribner's Sons, New York. 344 pp. (232-233).
61. Hill, J. E. 1942. Notes on mammals of northeastern New Mexico. *Journal of Mammalogy* 23(1): 75-82 (77).

62. Ivey, R. D. 1948. The raccoon in the salt marshes of northeastern Florida. *Journal of Mammalogy* 29(3): 290-291.
63. Jackson, C. F. 1922. Notes on New Hampshire mammals. *Journal of Mammalogy* 3(1): 13-15 (15).
64. Johnson, C. E. 1930. Recollections of the mammals of northwestern Minnesota. *Journal of Mammalogy* 11(4): 435-452 (439).
65. Jones, G. 1946. The raccoon in Oklahoma. *Oklahoma Game and Fish News* 2(12): 4-5, 7.
66. Kellner, W. C. 1954. The raccoon in southwestern Virginia. *Virginia Wildlife* 15(1): 16-17, 21.
67. Kennamer, E. F. 1951-52. Value of furbearers in the State of Alabama. *Quarterly Reports, Alabama Cooperative Wildlife Research Unit, Project 8. Alabama Polytechnic Institute.*
68. Kennicott, R. 1859. The quadrupeds of Illinois, injurious and beneficial to the farmer. *Report of the Commissioner of Patents for the year 1858, Agriculture. 35th Congress, 2nd Session, House of Representatives, Executive Document 105: 241-256. 552 pp.*
69. Komarek, E. V. 1932. Notes on mammals of Menominee Indian Reservation, Wisconsin. *Journal of Mammalogy* 13(3): 203-209 (205).
70. Layne, J. N. 1958. Notes on mammals of southern Illinois. *American Midland Naturalist* 60(1): 219-254.
71. Leopold, A. S., and E. R. Hall. 1945. Some mammals of Ozark County, Missouri. *Journal of Mammalogy* 26(2): 142-145 (143).
72. Lewis, J. B. 1940. Mammals of Amelia County, Virginia. *Journal of Mammalogy* 21(4): 422-428 (424).
73. Linsdale, J. 1928. Mammals of a small area along the Missouri River. *Journal of Mammalogy* 9(2): 140-146 (141).

74. Manville, R. H. 1942. Notes on the mammals of Mount Desert Island, Maine. *Journal of Mammalogy* 23(4): 391-398 (393).
75. McAtee, W. L. 1907. A list of the mammals, reptiles and batrachians of Monroe County, Indiana. *Proceedings of the Biological Society of Washington* 20: 1-16.
76. McKinley, D. 1959. Historical note on the Bahama raccoon. *Journal of Mammalogy* 40(2): 248-249.
77. Miller, G. S., Jr. 1905. Mammals of the Bahama Islands. *Geographical Society of Baltimore*: Pp. 371-384.
78. Moore, J. C. 1946. Mammals from Welaka, Putnam County, Florida. *Journal of Mammalogy* 27(1): 49-59 (54).
79. Noren, C. 1941. Progress report of investigation of raccoon. Missouri Conservation Commission. 18 pp. Mimeo.
80. Noren, C. R. 1941. A preliminary study of the eastern raccoon, Procyon l. lotor L., in Missouri: Population, denning, and food habits. M.A. Thesis. University of Missouri, Columbia.
81. Osgood, F. L., Jr. 1938. The mammals of Vermont. *Journal of Mammalogy* 19(4): 435-441 (437).
82. Preble, N. A. 1942. Notes on the mammals of Morrow County, Ohio. *Journal of Mammalogy* 23(1): 82-86 (83).
83. Rand, A. L. 1943. History of the raccoon (Procyon lotor L.) in Nova Scotia. *Canadian Field-Naturalist* 57(4-5): 95.
84. Redford, Polly. 1962. Raccoon in the U. S. S. R. *Journal of Mammalogy* 43(4): 541-542.
85. Rust, H. J. 1946. Mammals of northern Idaho. *Journal of Mammalogy* 27(4): 308-327 (313-314).

86. Sanderson, G. C. 1951. The status of the raccoon in Iowa for the past twenty years as revealed by fur reports. *Transactions of the Iowa Academy of Science* 58: 527-531.
87. Sanderson, G. C. 1952. Raccoon studies in Iowa. *Iowa Conservationist* 11(3): 17, 23.
88. Scheffer, V. B. 1950. Notes on the raccoon in southwest Washington. *Journal of Mammalogy* 31(4): 444-448.
89. Schoonmaker, W. J. 1929. Notes on some mammals of Allegany State Park. *Journal of Mammalogy* 10(3): 246-249 (247).
90. Schoonover, L. J. 1950. A study of raccoon (Procyon lotor hirtus Nelson and Goldman) in north-central Minnesota. M.S. Thesis. University of Minnesota, Minneapolis.
91. Schultz, V. 1956. Status of the raccoon in Tennessee. *Journal of the Tennessee Academy of Science* 31(4): 263-267.
92. Schwartz, C., and Elizabeth Schwartz. 1955. The mammals of Missouri. Raccoon (Procyon lotor). *Missouri Conservationist* 16(1): 15-16 + plate.
93. Scott, T. G. 1937. Mammals of Iowa. *Iowa State College Journal of Science* 12(1): 43-97 (47, 59).
94. Shaffer, C. H. 1948. A study of raccoons in Princess Anne County, Virginia. M.S. Thesis. Virginia Polytechnic Institute, Blacksburg, Virginia.
95. Stains, H. J. 1956. The raccoon in Kansas: natural history, management, and economic importance. University of Kansas, Museum of Natural History and State Biological Survey of Kansas Miscellaneous Publications 10. 76 pp.
96. Thomas, E. M. 1952. The fur-bearing mammals of Wyoming. *Wyoming Wildlife* 16(4): 22-32.

97. Thomas, E. M. 1954. Wyoming furbearers. Wyoming Game and Fish Department Bulletin 7. 101 pp.
98. Trautman, M. B. 1939. The numerical status of some mammals throughout historic time in the vicinity of Buckeye Lake, Ohio. Ohio Journal of Science 39(3): 133-143.
99. Van Hyning, T., and F. C. Pellett. 1910. An annotated catalogue of the recent mammals of Iowa. Proceedings of the Iowa Academy of Science 17: 212-218 (216).
100. Vaughan, T. A. 1954. Mammals of the San Gabriel Mountains of California. University of Kansas Publications, Museum of Natural History 7(9): 513-582.
101. Welter, W. A., and D. E. Sollberger. 1939. Notes on the mammals of Rowan and adjacent counties in eastern Kentucky. Journal of Mammalogy 20(1): 77-81 (79).
102. Wijngaarden, A. Van. 1961. Een wasbeer, *Procyon lotor* (L.), in Nederland in het wild gevangen. Natuurhistorisch Maandblad 50(5-6): 54-55. (In Dutch; English summary.)
103. Wood, F. E. 1910. A study of the mammals of Champaign County, Illinois. Illinois State Laboratory of Natural History Bulletin 8 (Article 5): 501-613 + 3 plates + map + Errata and Addenda (n.p.).
104. Wood, N. A. 1922. The mammals of Washtenaw County, Michigan. University of Michigan, Museum of Zoology Occasional Papers 123. 23 pp.

## STUDY TECHNIQUES

- 105.. Butterfield, R. T. 1954. Traps, live-trapping, and marking of raccoons.  
Journal of Mammalogy 35(3): 440-442.
106. Cook, A. H. 1943. A technique for marking mammals. Journal of Mammalogy 24(1): 45-47.
107. Ellis, R. J. 1964. Tracking raccoons by radio. Journal of Wildlife Management 28(2): 363-368.
108. Hamerstrom, F. N., Jr., and J. Blake. 1939. A fur study technique. Journal of Wildlife Management 3(1): 54-59.
109. Lord, R. D., Jr. 1956. The loss of ear tags in the gray fox and raccoon. Journal of Mammalogy 37(4): 548.
110. Mech, L. D. 1965. Sodium pentobarbital as an anesthetic for raccoons. Journal of Mammalogy 46(2): 343-344.
111. Mech, L. D., V. B. Kuechle, D. W. Warner, and J. R. Tester. 1965. A collar for attaching radio transmitters to rabbits, hares, and raccoons. Journal of Wildlife Management 29(4): 898-902.
112. Montgomery, G. G. 1963. Freezing, decomposition, and raccoon lens weights. Journal of Wildlife Management 27(3): 481-483.
113. Montgomery, G. G. 1964. Tooth eruption in preweaned raccoons. Journal of Wildlife Management 28(3): 582-584.
114. Rausch, R. 1947. Suggestions for the handling of certain mammals. Journal of Wildlife Management 11(2): 189.
115. Sanderson, G. C. 1961. Techniques for determining age of raccoons. Illinois Natural History Survey Biological Notes 45. 16 pp.
116. Sanderson, G. C. 1961. The lens as an indicator of age in the raccoon. American Midland Naturalist 65(2): 481-485.

117. Sundell, R. A. 1956. Age determination studies of the raccoon (Procyon lotor Linnaeus). M. S. Thesis, Michigan State University, East Lansing.
118. Tester, J. R., and D. B. Siniff. 1965. Aspects of animal movement and home range data obtained by telemetry. Transactions of the North American Wildlife Conference 30: 379-392.

See also: 246, 264, 601.

**GENERAL: Books, Chapters, Popular Articles.**

119. Abbott, R. L. 1939. Old Zip Coon. *Natural History* 43(5): 262-265.
120. Abbott, R. L. 1944. The way of a coon. *Natural History* 53(7): 310-311, 336.
121. Allen, D. L. 1940. Jim Coon goes on a tear. *Fur-Fish-Game* 71(3): 16-17.
122. Anthony, H. E. 1928. Field book of North American mammals. G. P. Putnam's Sons, New York. 674 pp. (86-90).
123. Ashbrook, F. G., and H. J. McMullen. 1928. Fur-bearing animals of the United States: the raccoon. *Fur Journal* 2(3): 30-31, 59-61.
124. Ayars, J. S. 1958. The raccoon. *Illinois Wildlife* 13(4): 7.
125. Bachmann, Elizabeth. 1951. The raccoon--ring-tailed rogue! *Conservation Volunteer* 14(83): 29-32.
126. Cagle, F. R. 1949. Notes on the raccoon, Procyon lotor megalodus Lowery. *Journal of Mammalogy* 30(1): 45-47.
127. Cahalane, V. H. 1947. Mammals of North America. The Macmillan Co., New York. 682 pp.
128. Cook, A. H. 1953. The raccoon. By Leon F. Whitney and Acil B. Underwood. Practical Science Publishing Company, Orange, Connecticut. 177 pp. 1952. \$3.75. *Journal of Wildlife Management* 17(2): 211-212. (Review.)
129. Currie, J. W. 1949. This raccoon racket. *Kentucky Happy Hunting Ground* 5(2): 5, 19.
130. Davis, C. 1964. Meet Br'er Raccoon. He's a ringtailed rascal! *Wildlife in North Carolina* 28(2): 7-9.
131. Dressen, E. 1947. Coon on the crick. *Sports Afield* 118(6): 30-31, 86-87.

132. Gall, Alice Crew, and F. H. Crew. 1933. Ringtail. Oxford University Press, London and New York.
133. Goldman, E. A. 1950. Raccoons of North and Middle America. U. S. D. I., Fish and Wildlife Service, North American Fauna 60. 153 pp.
134. Goodwin, G. G. 1947. The carnivores--Part II--Raccoons and their allies. Audubon Nature Bulletin, Series 18, Bulletin 3. 4 pp.
135. Grinnell, J., J. S. Dixon, and Jean M. Linsdale. 1937. Fur-bearing mammals of California. Their natural history, systematic status, and relations to man. Volume I. University of California Press, Berkeley. 375 pp. (137-165).
136. Hamilton, W. J., Jr. 1939. American mammals. Their lives, habits, and economic relations. McGraw-Hill Book Co., Inc., New York and London. 434 pp.
137. Hamilton, W. J., Jr. 1943. The mammals of eastern United States. An account of recent land mammals occurring east of the Mississippi. Comstock Publishing Company, Inc., Ithaca, New York. 432 pp. (118-125).
138. Hamilton, W. J., Jr. 1953. The raccoon. By Leon F. Whitney and Aciil B. Underwood. Practical Science Publishing Co., Orange, Conn., 177 pp., illus., 1952. Price, \$3.75. Journal of Mammalogy 34(1): 141-142. (Review.)
139. Hardy, M. 1907. The raccoon. Forest and Stream 69(22): 852.
140. Harrington, Lyn. 1944. The masked bandit of the woods. Canadian Nature 6(5): 154.
141. Ingersoll, E. 1906. The life of animals. The mammals. The Macmillan Co., New York. 555 pp. (221-225).

142. Mosby, H. S. 1947. The raccoon. *Virginia Wildlife* 8(2): 8-9, 20.
143. Nelson, Florence. 1947. Ringtail, the raccoon. *Our Dumb Animals* 80(5): 5.
144. Rue, L. L., III. 1964. The world of the raccoon. J. B. Lippincott Co., Philadelphia and New York. 145 pp.
145. Sanderson, G. C. 1960. Raccoon values -- positive and negative. *Illinois Wildlife* 16(1): 3-6.
146. Seton, E. T. 1909. Life-histories of northern animals. An account of the mammals of Manitoba. Volume 2. Flesh-eaters. Charles Scribner's Sons, New York City. Pp. 677-1267 (1010-1029).
147. Seton, E. T. 1953. Lives of games animals. Volume 2, Part 1. (Copyright 1909, 1926. Reissued 1953.) Charles T. Branford, Company; Boston. Pp. 1-367 (229-256).
148. Shiras, G., III. 1920. A racoon explores new country. *Forest and Stream* 90(1): 10, 11, 44.
149. Shufeldt, R. W. 1919. The raccoons of North America. *American Forestry* 25(312): 1531-1536.
150. Stephens, J. 1949. The raccoon story. *American National Fur and Market Journal* 27(8): 9, 12, 24, 26, 28.
151. Steppe, R. 1957. Of coons, boys and whys. *Missouri Conservationist* 18(10): 20.
152. Stone, W., and W. E. Cram. 1902. American animals. Doubleday, Page & Company, New York. 318 pp. (247-254).
153. Whitney, L. F., and A. B. Underwood. 1952. The raccoon. Practical Science Publishing Company, Orange, Connecticut. 177 pp.
154. Wright, Mabel Osgood. (F. M. Chapman, Editor.) 1898. Four-footed Americans and their kin. The Macmillan Company, New York. 432 pp. (Chapter 13, 174-193).

155. Zistel, Era. 1957. Our lovable little bandits. Saturday Evening  
Post 229(48): 18-19, 86-89.

LIFE HISTORY and ECOLOGY: Life History, Longevity, Mortality, Population, Structure, Coactions.

156. Baker, R. H., and C. C. Newman. 1942. Note on the den site of a raccoon family. *Journal of Mammalogy* 23(2): 214-215.
157. Berner, A. 1965. Ecological evaluation of tree cavities and ground burrows and their use by raccoons. M. S. Thesis. Michigan State University, East Lansing.
158. Bergtold, W. H. 1925. Unusual nesting of a raccoon. *Journal of Mammalogy* 6(4): 280-281.
159. Bourdelle, E., and A. Mouquet. 1930. La longévité des mammifères à la ménagerie du muséum national d'histoire naturelle. *Bulletin du Muséum National d' Histoire Naturelle* 2(4): 488-497. (In French.)
160. Bourliere, F. 1948. La longevité des petits mammifères sauvages. *Mammalia* 11: 111-115. (In French.)
161. Brown, L. G., and F. C. Bellrose, Jr. 1943. Use of nesting boxes for wood ducks by other wildlife. *Journal of Wildlife Management* 7(3): 298-306.
162. Butterfield, R. T. 1944. Tagged raccoons--1943-44. *Ohio Conservation Bulletin* 8(7): 11.
163. Butterfield, R. T. 1944. Populations, hunting pressure, and movement of Ohio raccoons. *Transactions of the North American Wildlife Conference* 9: 337-343.
164. Butterfield, R. T. 1954. Some raccoon and groundhog relationships. *Journal of Wildlife Management* 18(4): 433-437.
165. Cabalka, J. L. 1952. Resting habits of the raccoon, Procyon lotor hirtus n. and g., in central Iowa. M. S. Thesis. Iowa State College, Ames. 35 pp.

166. Cabalka, J. L., R. R. Costa, and G. O. Hendrickson. 1954 (1953). Ecology of the raccoon in central Iowa. Proceedings of the Iowa Academy of Science 60: 616-620.
167. Christian, J. J., and H. L. Ratcliffe. 1952. Shock disease in captive wild mammals. American Journal of Pathology 28(4): 725-737.
168. Crawford, B. T. 1950. Some specific relationships between soils and wildlife. Journal of Wildlife Management 14(2): 115-123.
169. Dellinger, G. P. 1954. Breeding season, productivity, and population trends of raccoons in Missouri. M. A. Thesis. University of Missouri, Columbia. 86 pp.
170. Denney, A. H. 1944. Wildlife relationships to soil types. Transactions of the North American Wildlife Conference 9: 316-322.
171. Dorney, R. S. 1953. Some unusual juvenile raccoon weights. Journal of Mammalogy 34(1): 122-123.
172. Dorney, R. S. 1954. Ecology of marsh raccoons. Journal of Wildlife Management 18(2): 217-225.
173. Flower, S. S. 1931. Contributions to our knowledge of the duration of life in vertebrate animals. V. Mammals. Proceedings of the Zoological Society of London, 1931. Part 1: 145-234.
174. Giles, L. W. 1942. Utilization of rock exposures for den and escape cover by raccoons. American Midland Naturalist 27(1): 171-176.
175. Giles, L. W. 1943. Evidences of raccoon mobility obtained by tagging. Journal of Wildlife Management 7(2): 235.
176. Gysel, L. W. 1961. An ecological study of tree cavities and ground burrows in forest stands. Journal of Wildlife Management 25(1): 12-20.

177. Haugen, A. O. 1944. Highway mortality of wildlife in southern Michigan.  
Journal of Mammalogy 25(2): 177-184 (182).
178. Haugen, O. L. 1954. Longevity of the raccoon in the wild. Journal  
of Mammalogy 35(3): 439.
179. Johnson, R. H. 1939. Life history and management studies of raccoon  
in Maine. M. S. Thesis, University of Maine, Orono.
180. Keefe, J. 1953. Knee deep in coons. Missouri Conservationist 14(11):  
10-11.
181. Linduska, J. P. 1947. Longevity of some Michigan farm game mammals.  
Journal of Mammalogy 28(2): 126-129 (128).
182. Mangold, R. E. 1951. Raccoon (Procyon lotor) mortality in southern  
Iowa. Journal of Mammalogy 32(2): 218-219.
183. Marshall, W. H. 1956. Summer weights of raccoons in northern  
Minnesota. Journal of Mammalogy 37(3): 445.
184. Mech, L. D., and J. R. Tester. 1965. Biological, behavioral, and  
physical factors affecting home ranges of snowshoe hares (Lepus  
americanus), raccoons (Procyon lotor), and white-tailed deer  
(Odocoileus virginianus) under natural conditions. Progress  
Report No. 1. University of Minnesota, Museum of Natural History  
Technical Report 9. 11 pp. Mimeo.
185. Mech, L. D., and F. J. Turkowski. 1966. Twenty-three raccoons in one  
winter den. Journal of Mammalogy 47(3): 529-530.
186. Mech, L. D., J. R. Tester, and D. W. Warner. 1966. Fall daytime  
resting habits of raccoons as determined by telemetry. Journal  
of Mammalogy 47(3): 450-466.
187. Moore, J. C. 1953. Raccoon parade. Everglades Natural History  
1(3): 119-126.

188. Nagel, W. O. 1943. How big is a 'coon? Missouri Conservationist 4(7): 6-7.
189. Petrides, G. A. 1948. Sex and age ratios: Their determination and uses in game and fur animals of the eastern United States. Ph.D. Thesis, Ohio State University, Columbus. 230 pp. (176-188).
190. Petrides, G. A. 1950. The determination of sex and age ratios in fur animals. American Midland Naturalist 43(2): 355-382.
191. Petrides, G. A. 1959. Age ratios in raccoons. Journal of Mammalogy 40(2): 249.
192. Sanderson, G. C. 1949. Sex and age determination, breeding habits and population characteristics of Missouri raccoons. M. A. Thesis. University of Missouri, Columbia. 159 pp.
193. Sanderson, G. C. 1950. Methods of measuring productivity in raccoons. Journal of Wildlife Management 14(4): 389-402.
194. Sanderson, G. C. 1951. Breeding habits and a history of the Missouri raccoon population from 1941 to 1948. Transactions of the North American Wildlife Conference 16: 445-460.
195. Severtsova, S. A. 1930. Sur la corrélation entre la durée de la vie et la fécondité chez différentes espèces de mammifères. Academy of Sciences of the USSR, Bulletin 9: 931-950. (In French.)
196. Shanks, D. A. 1946. The effect of climate on the abundance of foxes, raccoons, and opossums. M.S. Thesis, University of Illinois, Urbana. 48 pp.
197. Sharp, W. M., and Louise H. Sharp. 1956. Nocturnal movements and behavior of wild raccoons at a winter feeding station. Journal of Mammalogy 37(2): 170-177.

198. Smith, W. P. 1931. Calendar of disappearance and emergence of some hibernating mammals at Wells River, Vermont. *Journal of Mammalogy* 12(1): 78-79.
199. Sowls, L. K. 1949. Notes on the raccoon (Procyon lotor hirtus) in Manitoba. *Journal of Mammalogy* 30(3): 313-314.
200. Stains, H. J. 1958 (1957). A clue to spring molt in raccoons as revealed in analysis of scats. *Illinois State Academy of Science Transactions* 50: 257-258.
201. Stains, H. J. 1961. Comparison of temperatures inside and outside two tree dens used by raccoons. *Ecology* 42(2): 410-413.
202. Stuewer, F. W. 1941. Life history and management studies of the raccoon (Procyon lotor lotor) in Michigan. Ph. D. Thesis. Michigan State College of Agriculture and Applied Science, East Lansing.
203. Stuewer, F. W. 1942. Studies of molting and priming of fur of the eastern raccoon. *Journal of Mammalogy* 23(4): 399-404.
204. Stuewer, F. W. 1943. Raccoons: their habits and management in Michigan. *Ecological Monographs* 13(2): 203-257.
205. Twichell, A. R., and H. H. Dill. 1949. One hundred raccoons from one hundred and two acres. *Journal of Mammalogy* 30(2): 130-133.
206. Uhler, F. M., and L. M. Llewellyn. 1952. Fur productivity of submarginal farmland. *Journal of Wildlife Management* 16(1): 79-86.
207. Whitney, L. F. 1931. The raccoon and its hunting. *Journal of Mammalogy* 12(1): 29-38.
208. Wilder, N., H. Cofer, and R. Beck. 1951. The marsh raccoon as a competitor of the muskrat. Delaware Board of Game and Fish Commissioners, Dover. 6 pp.

209. Wood, J. E. 1952. The effects of agriculture (ranching and farming) on the habitat and food supply of furbearers in the post oak region of Texas. *Transactions of the North American Wildlife Conference* 17: 427-436.
210. Yeager, L. E., and H. G. Anderson. 1944. Some effects of flooding and waterfowl concentration on mammals of a refuge area in central Illinois. *American Midland Naturalist* 31(1): 159-178 (167-170).  
See also: 21, 107, 118, 294, 330.

FOOD HABITS: Also see "Depredations."

211. Baker, R. H., C. C. Newman, and F. Wilke. 1945. Food habits of the raccoon in eastern Texas. *Journal of Wildlife Management* 9(1): 45-48.
212. Clark, T. G. 1947. Food preferences of the raccoon in Washtenaw County, Michigan. M. S. Thesis. University of Michigan, Ann Arbor.
213. Costa, R. R. 1951. Food habits of the raccoon Procyon lotor hirtus n. and g., in central Iowa. M. S. Thesis. Iowa State College, Ames.
214. Danner, E. Y. 1931. Raccoons like candy. *Mt. Rainier Nature Notes* 9(8): 8.
215. Dearborn, N. 1932. Foods of some predatory fur-bearing animals in Michigan. University of Michigan, School of Forestry and Conservation Bulletin 1. 52 pp.
216. Dexter, R. W. 1951. Earthworms in the winter diet of the opossum and raccoon. *Journal of Mammalogy* 32(4): 464.
217. Giles, L. 1939. Food habits of the eastern raccoon, Procyon l. lotor L., in eastern Iowa. M. S. Thesis. Iowa State College, Ames.
218. Giles, L. W. 1939. Fall food habits of the raccoon in central Iowa. *Journal of Mammalogy* 20(1): 68-70.
219. Giles, L. W. 1940. Food habits of the raccoon in eastern Iowa. *Journal of Wildlife Management* 4(4): 375-382.
220. Hamilton, W. J., Jr. 1936. The food and breeding habits of the raccoon. *Ohio Journal of Science* 36(3): 131-140.

221. Hamilton, W. J., Jr. 1940. The summer food of minks and raccoons on the Montezuma Marsh, New York. *Journal of Wildlife Management* 4(1): 80-84.
222. Hamilton, W. J., Jr. 1951. The food of the opossum in New York State. *Journal of Wildlife Management* 15(3): 258-264.
223. Hamilton, W. J., Jr. 1951. Warm weather foods of the raccoon in New York State. *Journal of Mammalogy* 32(3): 341-344.
224. Hendrickson, G. O. 1943. Food habits of the raccoon. *Iowa Conservationist* 2(12): 95.
225. Llewellyn, L. M., and F. M. Uhler. 1952. The foods of fur animals of the Patuxent Research Refuge, Maryland. *American Midland Naturalist* 48(1): 193-203.
226. McKean, W. T. 1948. Foods of trapped North Dakota predatory animals. *North Dakota Agriculture Experiment Station Bimonthly Bulletin* 10(3): 105-112.
227. McKean, W. T. 1948. Winter foods of North Dakota predatory animals. *North Dakota Outdoors* 10(8): 5-6.
228. Schoonover, L. J., and W. H. Marshall. 1951. Food habits of the raccoon (Procyon lotor hirtus) in north-central Minnesota. *Journal of Mammalogy* 32(4): 422-428.
229. Tester, J. R. 1953. Fall food habits of the raccoon in the South Platte Valley of northeastern Colorado. *Journal of Mammalogy* 34(4): 500-502.
230. Tyson, E. L. 1950. Summer food habits of the raccoon in southwest Washington. *Journal of Mammalogy* 31(4): 448-449.
231. Wood, J. E. 1954. Food habits of furbearers of the upland post oak region in Texas. *Journal of Mammalogy* 35(3): 406-415.

232. Yeager, L. E., and W. H. Elder. 1945. Pre- and post-hunting season foods of raccoons on an Illinois goose refuge. *Journal of Wildlife Management* 9(1): 48-56.
233. Zeches, R. I. 1928. Fall feeding the raccoon. *American Fur Breeder* 1(5): 29.

See also: 172, 588.

**DEPREDATIONS: Also see "Food Habits."**

234. Anderson, W. 1956. A waterfowl nesting study on the grasslands, Merced County, California. *California Fish and Game* 42(2): 117-130.
235. Ayars, J. S. 1943. Woodies are queer ducks. *Saturday Evening Post* 216(5): 26-27, 80, 82. (July 31, 1943.)
236. Bankston, J. D., and H. Stilwell. 1953. A new killer. *Outdoor Life* 112(6): 48-49, 140.
237. Beed, W. E. 1938. Do fur bearers affect upland game birds in winter? *Transactions of the North American Wildlife Conference* 3: 508-510.
238. Bellrose, F. C., K. L. Johnson, and T. U. Meyers. 1964. Relative value of natural cavities and nesting houses for wood ducks. *Journal of Wildlife Management* 28(4): 661-676.
239. Childs, H. E., Jr. 1953. Selection by predation on albino and normal spadefoot toads. *Evolution* 7(3): 228-233. Published by the Society for the Study of Evolution and the University of Chicago.
240. Eaton, R. L. 1966. Protecting metal wood duck houses from raccoons. *Journal of Wildlife Management* 30(2): 428-430.
241. Erickson, A. B., and H. I. Scudder. 1947. The raccoon as a predator on turtles. *Journal of Mammalogy* 28(4): 406-407.
242. Evans, F. C., and R. Holdenried. 1943. A population study of the Beechey ground squirrel in central California. *Journal of Mammalogy* 24(2): 231-260 (243).
243. Llewellyn, L. M., and C. G. Webster. 1960. Raccoon predation on waterfowl. *Transactions of the North American Wildlife Conference* 25: 180-185.

244. Lopinnot, A. C. 1951. Raccoon predation on the great blue heron,  
Ardea herodias. *Auk* 68(2): 235.
245. Nicholson, W. R., and D. E. Davis. 1957. The duration of life of  
muskrat houses. *Ecology* 38(1): 161-163.
246. Rearden, J. D. 1951. Identification of waterfowl nest predators.  
*Journal of Wildlife Management* 15(4): 386-395.
247. Stuewer, F. W. 1943. Small entrance to a wood duck nest. *Journal  
of Wildlife Management* 7(2): 236.
248. Wilson, K. A. 1953. Raccoon predation on muskrats near Currituck,  
North Carolina. *Journal of Wildlife Management* 17(2): 113-119.
249. Wilson, K. A. 1957 (1956). Control of raccoon predation on muskrats  
near Currituck, North Carolina. *Proceedings of the Annual  
Conference of the Southeastern Association of Game and Fish  
Commissioners* 10: 221-233.

See also: 590.

## ANATOMY and DEVELOPMENT

250. Allen, H. 1882. The muscles and limbs of the raccoon. Proceedings of the Academy of Natural Sciences of Philadelphia 34: 115-144.
251. Arey, L. B. 1932. On the annular distribution of muscle in the hepatic veins of the raccoon and dog. Anatomical Record 52 (1; Supplement, February):46-47. (Abstracts of papers presented at the 48th annual session of American Association of Anatomists.)
252. Arey, L. B. 1941. Trottling veins in the livers of certain mammals. Anatomical Record 81(1):21-32 + Plate 1.
253. Biggers, J. D., and R. F. S. Creed. 1962. Two morphological types of placentae in the raccoon. Nature 194(4823):103-104.
254. Bradley, O. C. 1933-34. M. retractor bulbi (oculi) in Carnivora and Ungulata. Journal of Anatomy 68(First Part):65-74.
255. Creed, R. F. S., and J. D. Biggers. 1963. Development of the raccoon placenta. American Journal of Anatomy 113(3): 417-445.
256. Creed, R. F. S., and J. D. Biggers. 1964. Placental haemophagous organs in the Procyonidae and Mustelidae. Journal of Reproduction and Fertility 8(1):133-137.
257. Davis, D. D. 1949. The shoulder architecture of bears and other carnivores. Fieldiana:Zoology 31(34):285-305. Chicago Natural History Museum.
258. Flower, W. H. 1872. Lectures on the comparative anatomy of the organs of digestion of the mammalia. Medical Times, London, 1872: 215-219, 291-294, 335-337; 392-394; 451-453; 507-509; 561-564; 621-622; 678-680.

259. Forster, A. 1932. Le scapho-semi-lunaire. Etude comparative de la stabilisation du carpe chez les mammifères et chez l'homme. Archives d' Anatomie, d' Histologie, et d' Embryologie 15(1/4):83-217. (In French.)
260. Guilday, J. E., and P. W. Parmalee. 1966. Lower third molar in Procyon. Journal of Mammalogy 47(1):149-151.
261. Hall, E. R. 1940. Supernumerary and missing teeth in wild mammals of the orders Insectivora and Carnivora, with some notes on disease. Journal of Dental Research 19(2):103-143.
262. Huntington, G. S. 1892. On the ileo-colic junction in Procyon lotor and allied forms. Transactions of the New York Academy of Sciences 12:50-53.
263. Johnson, J. I., Jr. 1963. Somatotopic organization in raccoon cuneate and gracile nuclei. Anatomical Record 145(2):246. (Abstract.)
264. Kennedy, A. H. 1935. Cytology of the blood of normal mink and raccoon. I. Morphology of mink's blood. Canadian Journal of Research 12:479-483.
265. Knable, A., and W. E. Werner, Jr. 1964. Raccoon with unusual dental complement. Journal of Mammalogy 45(3):493.
266. Koch, W. 1928. Ueber einem Fall von Mopsköpfigkeit bei Procyon. Ein Beitrag zur Entwicklungsgeschichte der Form des "Säugetierschädel". (An anomalous skull of the raccoon with notes on the phylogeny of the mammalian skull.) Zeitschrift für Säugetierkunde 2(2):133-139. (In German.)
267. Kolesnikow, W. W. 1930. Über die Mm subcostales der Säugetiere. Zeitschrift für die Gesamte Anatomie, Abteilung 1, Zeitschrift für Anatomie und Entwicklungsgeschichte 92(1):1-19. (In German.)

268. Körner, F. 1929. Vergleichend-anatomische Untersuchungen über den Faserverlauf der Pars lumbalis des Zwerchfells zur Begrenzung des Hiatus oesophageus bei Säugetieren. Jahrbuch für Morphologie und Mikroskopische Anatomie, Abteilung 1, Gegenbaurs Morphologisches Jahrbuch 61(3):409-451. (In German.)
269. Martin, R. L. 1963 (1962). Dental anomalies of the raccoon. Illinois State Academy of Science Transactions 55(2): 112-113.
270. McGrew, P. O. 1938. Dental morphology of the Procyonidae with a description of Cynarctoides, gen. nov. Field Museum of Natural History, Geological Series 6(22):323-338. (332-333).
271. Mech, L. D., and N. V. Anderson. 1966. Renal hypoplasia and compensatory hypertrophy in a raccoon. Journal of Mammalogy 47(1):128-129.
272. Pocock, R. I. 1928. The structure of the auditory bulla in the Procyonidae and the Ursidae, with a note on the bulla of Hyoena. Proceedings of the Zoological Society of London, 1928. Part 4:963-974.
273. Rinker, G. C. 1944. Os clitoridis from the raccoon. (Drawn by Frances Horseman.) Journal of Mammalogy 25(1):91-92.
274. Sanderson, G. C. 1960. A congenital diaphragmatic hernia in the raccoon. American Midland Naturalist 64(2):500-501.
275. Schlumberger, H. G. 1955. Spontaneous hyperplasia and neoplasia in the thyroid of animals. Pages 169-191 in Brookhaven Symposia in Biology 7. The thyroid. 271 pp.
276. Shufeldt, R. W. 1920. Comparative osteology of the Procyonidae. Journal of Mammalogy 1(4):196-197. (Cited in correspondence.)

277. Sonntag, C. F. 1920. On abnormal features in the peritoneum of a raccoon. Proceedings of the Zoological Society of London, 1920. Parts 1 and 2 :169-174.
278. Sonntag, C. F. 1923. The comparative anatomy of the tongues of mammalia. VIII. Carnivora. Proceedings of the Zoological Society of London, 1923. Part 1 :129-153.
279. Story, H. Elizabeth. 1951. The carotid arteries in the Procyonidae. Fieldiana:Zoology 32(8):477-557. Chicago Natural History Museum.
280. Tcheng, Kuo-Tchang. 1959. Innervation of the adrenal glands of the Chinese raccoon and the Daurian badger. Acta Zoologica Sinica 11(3):331-336. (In Chinese, English summary.)
281. Watson, M. 1881. On the female organs and placentation of the racoon (Procyon lotor). Proceedings of the Royal Society of London. 32(213):272-298 + plates.
282. Welker, W. T., J. I. Johnson, and B. H. Pubois, Jr. 1964 (1963). Some morphological and physiological characteristics of the somatic sensory system in the raccoon. Proceedings of the International Congress of Zoology 16(3):246-250.
283. Windle, B. C. A., and F. G. Parsons. 1897. On the myology of the terrestrial carnivora. Part 1. Muscles of the head, neck, and fore-limb. Proceedings of the Zoological Society of London, 1897. Part 2: 370-409.
284. Windle, B. C. A. 1889. Notes on the limb myology of Procyon cancrivorus and of the Ursidae. Journal of Anatomy and Physiology 23:81-89.
285. Zollman, P. E., and R. K. Winkelmann. 1962. The sensory innervation of the common North American raccoon (Procyon lotor). Journal of Comparative Neurology 119(2):149-157.

See also: 297, 309.

**BEHAVIOR and PSYCHOLOGY: Mental Attributes, Senses.**

286. Bierens de Haan, J. A. 1932. "Über das sogenannte "Waschen" des Waschbären (*Procyon lotor*), nebst einigen Bemerkungen über die Formen und die Bedeutung der tierischen Spiele. *Biologisches Zentralblatt* 52(6):329-343. (In German.)
287. Fields, P. E. 1936. Studies in concept formation. IV. A comparison of white rats and raccoons with respect to their visual discrimination of certain geometrical figures. *Journal of Comparative Psychology* 21(3):341-355.
288. Hitchcock, L., Jr., K. M. Michels, and D. R. Brown. 1963. Discrimination learning: Squirrels vs raccoons. *Perceptual and Motor Skills* 16(2):405-414.
289. Johnson, J. I., Jr. 1957. Studies of visual discrimination by raccoons. *Dissertation Abstracts* 17(7):1608.
290. Johnson, J. I., Jr., and K. M. Michels. 1958. Discrimination of small intervals and objects by raccoons. *British Journal of Animal Behaviour* 6(3/4):164-170.
291. Johnson, J. I., Jr., and K. M. Michels. 1958. Learning sets and object-size effects in visual discrimination learning by raccoons. *Journal of Comparative and Physiological Psychology* 51(3):376-379.
292. Lyall-Watson, M. 1963. A critical re-examination of food "washing" behaviour in the raccoon (*Procyon lotor* Linn.). *Proceedings of the Zoological Society of London* 141(2):371-393.

293. Shell, W. F., and A. J. Riopelle. 1957. Multiple discrimination learning in raccoons. *Journal of Comparative and Physiological Psychology* 50(6):585-587.
294. Tevis, L., Jr. 1947. Summer activities of California raccoons. *Journal of Mammalogy* 28(4):323-332.
295. Thackray, R. I., and K. M. Michels. 1958. Externally-aroused drives in the raccoon. *Animal Behaviour* 6(3-4):160-163.
296. Thorgeresen, H. L. 1958. Studies of tactal discrimination by raccoons. *Dissertation Abstracts* 18(6):2203-2204.
297. Welker, W. I. 1959. Genesis of exploratory and play behavior in infant raccoons. *Psychological Reports* 5(4):764.
298. Welker, W. I., and S. Seidenstein. 1959. Somatic sensory representation in the cerebral cortex of the raccoon (*Procyon lotor*). *Journal of Comparative Neurology* 111(3):469-501.
299. Whitney, L. F. 1933. The raccoon -- some mental attributes. *Journal of Mammalogy* 14(2):108-114.

See also: 197, 285, 310.

**PHYSIOLOGY: Also see "Reproduction."**

300. Andrews, R. D. 1964. Effects of tear gas on some mammals.  
*Journal of Mammalogy* 45(2):321.
301. Beldler, L. M., I. Y. Fishman, and C. W. Hardiman. 1955. Species differences in taste responses. *American Journal of Physiology* 181(2):235-239.
302. Bierens de Haan, J. A. 1932. Über das Suchen nach verstecktem Futter bei einigen Procyoniden und einem Eichhörnchen.  
*Zeitschrift für Wissenschaftliche Biologie, Abteilung C,*  
*Zeitschrift für Vergleichende Physiologie* 17(2):279-303.  
(In German.)
304. Folk, G. E., Jr., C. H. Dodge, and Mary A. Folk. 1957. Resting body temperatures of raccoons and domestic rabbits. *Proceedings of the Animal Care Panel* 7(4):253-258.
305. Jacobs, G. J. 1957. Blood values of two American carnivores.  
*Journal of Mammalogy* 38(2):261-262.
306. Klatt, B. 1928. Vergleichende Untersuchungen an Caniden und Procyoniden. (Comparative studies of Canidae and Procyonidae.)  
*Zoologische Jahrbücher, Abteilung für Allgemeine Zoologie und Physiologie der Tiere* 45: 217-292. (In German.)
307. Ohta, K. 1939. Beiträge zur Kenntnis der Galle der Fleischfresser. Die Galles des Waschbärhundes (Tanuki) (*Nyctereutes viverrinus*) und des Marders (Ten) (*Martes melampus melampus*). *Journal of Biochemistry (Tokyo)* 29(1):31-34. (In German.)

308. Schultz, V. 1948. Results of a vitamin A storage study. *Journal of Wildlife Management* 12(3):323-333.
309. Sonntag, C. F. 1923. On the vagus and sympathetic nerves of the terrestrial carnivora. *Proceedings of the Zoological Society of London*, 1923. Part 1: 65-83.
310. Welker, W. I., and G. B. Campos. 1963. Physiological significance of sulci in somatic sensory cerebral cortex in mammals of the family Procyonidae. *Journal of Comparative Neurology* 120(1):19-36.
311. Wilber, C. G. 1955. Electrocardiogram of the raccoon. *Journal of Mammalogy* 36(2):283-284.

See also: 282, 285, 298, 394, 399.

## REPRODUCTION

312. Amoroso, E. C. 1952. Placentation. Chapter 15, pp. 127-311.  
In A. S. Parkes (Editor), Marshall's physiology of reproduction. Third edition. Volume 2. Longmans, Green, and Co., London and New York. 880 pp.
313. Asdell, S. A. 1946. Patterns of mammalian reproduction. First edition. Comstock Publishing Company, Inc., Ithaca, New York. 437 pp. (135-136).
314. Berard, E. V. 1952. Evidence of a late birth for the raccoon. Journal of Mammalogy 33(2):247-248.
315. Bissonnette, T. H., and A. G. Csech. 1937. Modification of mammalian sexual cycles, VII -- fertile matings of raccoons in December instead of February induced by increasing daily periods of light. Proceedings of the Royal Society of London, Series B. 122(827):246-254.
316. Bissonnette, T. H., and A. G. Csech. 1938. Sexual photoperiodicity of raccoons on low protein diet and second litters in the same breeding season. Journal of Mammalogy 19(3):342-348.
317. Bissonnette, T. H., and A. G. Csech. 1939. A third year of modified breeding behavior with raccoons. Ecology 20(2): 156-162.
318. Gander, F. F. 1928. Period of gestation in some American mammals. Journal of Mammalogy 9(1):75.
319. George, J. L., and M. Stitt. 1951. March litters of raccoons (Procyon lotor) in Michigan. Journal of Mammalogy 32(2):218.

320. Livesey, P. J. 1964. A note on double alternation by rabbits.  
*Journal of Comparative and Physiological Psychology* 57(1):  
104-107.
321. Llewellyn, L. M. 1952. Geographic variation in raccoon litter size.  
Northeast Wildlife Conference, Jackson's Mill, West Virginia,  
April 1952. 5 + [2] pp. Mimeo.
322. Llewellyn, L. M. 1953. Growth rate of the raccoon fetus. *Journal  
of Wildlife Management* 17(3):320-321.
323. Llewellyn, L. M., and R. K. Enders. 1954. Trans-uterine migration  
in the raccoon. *Journal of Mammalogy* 35(3):439.
324. Llewellyn, L. M., and R. K. Enders. 1954. Ovulation in the raccoon.  
*Journal of Mammalogy* 35(3):440.
325. McKeever, S. 1958. Reproduction in the raccoon in the south-  
eastern United States. *Journal of Wildlife Management* 22(2):211.
326. Millard, C. 1939. Raccoon experiment. *Wisconsin Conservation Bulletin*  
4(3):28-29.
327. Pope, C. H. 1944. Attainment of sexual maturity in raccoons.  
*Journal of Mammalogy* 25(1):91.
328. Sanderson, G. C. 1962. (1961). The reproductive cycle and related  
phenomena in the raccoon. Ph. D. Thesis. University of Illinois,  
Urbana. 156 pp.
329. Stuewer, F. W. 1943. Reproduction of raccoons in Michigan. *Journal  
of Wildlife Management* 7(1):60-73.
330. Wood, J. E. 1955. Notes on reproduction and rate of increase of  
raccoons in the post oak region of Texas. *Journal of Wildlife  
Management* 19(3):409-410.
331. Zeches, R. F. 1928. Breeding raccoons for two litters a year. *American  
Fur Breeder* 1(5):29.

See also: 156, 169, 194, 220, 253, 255, 256, 273.

## PARASITOLOGY and DISEASE

332. Anon. 1955. Rabies in the United States in 1954. Journal of the American Veterinary Medical Association 127(942):240.
333. Anon. 1958. Leptospirosis in Ohio wildlife. Journal of the American Veterinary Medical Association 133(2):104.
334. Ash, L. R. 1960. The life cycle and epidemiology of Gnathostoma procyonis Chandler, 1942, a nematode parasite of the raccoon. Ph.D. Thesis. Tulane University, New Orleans. 73 pp.
335. Ash, L. R. 1960. Life cycle studies on Gnathostoma procyonis Chandler, 1942, a nematode parasite of the raccoon. Dissertation Abstracts 21(8):2408.
336. Babero, B. B., and Jacqueline R. Shepperson. 1958. Some helminths of raccoons in Georgia. Journal of Parasitology 44(5):519.
337. Babero, B. B., and Jacqueline R. Shepperson. 1959. On the occurrence of gnathostomes in Georgia, U.S.A. Proceedings of the Helminthological Society of Washington 26(1):53-54.
338. Bolin, V. S., N. Jarnevich, and J. A. Austin. 1958. Infectious canine hepatitis virus studies with special reference to passage of raccoon tissue cultures. Proceedings of the Society for Experimental Biology and Medicine 98(2):414-418.
339. Brown, M. H. 1931. Tuberculosis in the Canada raccoon (Procyon lotor). Transactions of the Royal Society of Canada, Section 5: Biological Sciences 25:159-162.
340. Byrd, E. E., B. J. Bogitsh, and W. P. Maples. 1961. Gryzoma singularis, a new species of trematodes (Digenea:Psilostomidae) from the raccoon Procyon lotor (L.). Journal of Parasitology 47(5):783-786.

341. Cable, R. M. 1962. A Cercaria of the trematode family Haploporidae. *Journal of Parasitology* 48(3):419-422.
342. Cameron, T. W. N. 1945. Fish-carried parasites in Canada. *Canadian Journal of Comparative Medicine* 9(9):245-254; 9(10): 283-286; 9(11):302-311.
343. Chandler, A. C. 1942. The guinea worm, Dracunculus insignis (Leidy 1858), a common parasite of raccoons in east Texas. *American Journal of Tropical Medicine* 22(2):153-157.
344. Chandler, A. C. 1942. The morphology and life cycle of a new strigeid, Fibricola texensis, parasitic in raccoons. *Transactions of the American Microscopical Society* 61(2): 156-167.
345. Chandler, A. C. 1942. The helminths of raccoons in east Texas. *Journal of Parasitology* 28(4):255-268.
346. Chandler, A. C., and R. Rausch. 1946. A study of strigeids from Michigan mammals, with comments on the classification of mammalian strigeids. *Transactions of the American Microscopical Society* 65(4):328-337.
347. Cheatum, E. L., and A. H. Cook. 1948. On the occurrence of the North American guinea worm in mink, otter, raccoon, and skunk in New York State. *Cornell Veterinarian* 38(4):421-423.
348. Chitwood, B. G. 1933. Does the guinea-worm occur in North America? *Journal of the American Medical Association* 100(11):802-804.

349. Chitwood, B. G. 1950. The male of Dracunculus insignis (Leidy, 1858) Chandler, 1942. Proceedings of the Helminthological Society of Washington 17(1):14-15.
350. Clark, G. M., and C. M. Herman. 1959. Parasites of the raccoon, Procyon lotor. Journal of Parasitology 45(4, Section 2):58. (Abstract.)
351. Clark, L. G., J. I. Kresse, R. R. Marshak, and C. J. Hollister. 1961. Natural occurrence of Leptospira icterohaemorrhagiae in the eastern grey fox and the eastern raccoon. Nature 192 (4809):1312-1313.
352. Coatney, G. R. 1936. Some notes on cestodes from Nebraska. Journal of Parasitology 22(4):409.
353. Cook, R. S., D. O. Trainer, W. C. Glazener, and B. D. Nassif. 1965. A serological study of infectious diseases of wild populations in south Texas. Transactions of the North American Wildlife Conference 30:142-155.
354. Cooley, R. A. 1944. Ixodes ozarkus n. sp. and Ornithodoros aguilae n. sp., with notes on O. talaje and O. kelleyi (Ixodoidea). Journal of Parasitology 30(5):287-294.
355. Crook, E., and S. H. McNutt. 1958. Egg-adaptation of a strain of distemper virus isolated from a raccoon. American Journal of Veterinary Research 19(70):223-224.
356. Denton, J. F. 1942. Eurytrema procyonis, n. sp. (Trematoda: Dicrocoeliidae), from the raccoon, Procyon lotor. Proceedings of the Helminthological Society of Washington 9(1):29-30.

357. Diamond, L. S., and R. Rubin. 1958. Experimental infection of certain farm mammals with a North American strain of Trypanosoma cruzi from the raccoon. Experimental Parasitology 7(4):383-390.
358. Dougherty, E. C. 1945. A review of the genus Crenosoma Molin, 1861 (Nematoda:Trichostrongylidae); its history, taxonomy, adult morphology, and distribution. Proceedings of the Helminthological Society of Washington 12(2):44-62.
359. Dubinin, V. B. 1955. Chesotochnye kleschi (Acariformes, Sarcoptoidae) I. chesotochnye zbolevaniya dikikh mlekopitay ushchikh. (Mange mites (Acariformes, Sarcoptoidae) and mange diseases of wild mammals.) Zoologicheskii Zhurnal 34(6):1189-1202. Referativnyi Zhurnal, Biologii, 1956, No. 73147. (In Russian.) Biological Abstracts 32:1790. 1958. (translation.)
360. Eads, R. B. 1946. A new species of Rhopalopsyllus Baker (Siphonaptera) from Texas. Journal of Parasitology 32(4):407-408.
361. Eads, R. B., J. S. Wiseman, J. E. Grimes, and G. C. Menzies. 1955. Wildlife rabies in Texas--a preliminary report. Public Health Reports 70(10):995-1000.
362. Evans, B. R., W. G. Phillips, and W. E. Bickley. 1959. Studies of 12 species of mosquitoes as potential vectors of filariae affecting skunks, squirrels and raccoons in Maryland. University of Maryland Agricultural Experiment Station Bulletin A-99. 31 pp.
363. Fabre, H., and M. Bernard. 1926. Sur un nouveau foyer de trypanosomiase bovine observé à la Guadeloupe. (A new focus of bovine trypanosomiasis in Guadeloupe.) Bulletins de la Société de Pathologie Exotique 19(6):435-437. (In French.)
364. Flakas, K. G. 1950. Wildlife pathology study. Wisconsin Wildlife Research, P-R Project 24-R, Quarterly Progress Reports 9(2):83-95. (88-90).

365. Fox, I. 1940. Fleas of eastern United States. The Iowa State College Press. 191 pp.
366. Fox, R. 1914. Cirrhosis of the liver in wild animals. New York Medical Journal 100:1209-1213.
367. Funderburg, J. B. 1961. Erythristic raccoons from North Carolina. Journal of Mammalogy 42(2):270-271.
368. Gallati, W. W. 1957. Studies on the morphology, taxonomy and life history of Atriotaenia (Ershovia) procyonis (Chandler, 1942) Spassky, 1951 (Cestoda:Linstowiidae), a parasite of the raccoon, Procyon lotor lotor. Dissertation Abstracts 17(10):2337.
369. Gifford, Rebecca, and E. Jungherr. 1947. Listeriosis in Connecticut with particular reference to a septicemic case in a wild raccoon. Cornell Veterinarian 37(1):39-48.
370. Goss, L. J. 1942. Diagnosis and treatment of diseases of wild animals in captivity. Cornell Veterinarian 32(2):155-161.
371. Goss, L. J. 1948. Species susceptibility to the viruses of Carré and feline enteritis. American Journal of Veterinary Research 9(30):65-68.
372. Green, R. G., and E. A. Shillinger. 1935. Pathological report on miscellaneous specimens. Minnesota Wildlife Disease Investigation. Pp. 87-99. Mimeo.
373. Green, R. G., and J. E. Shillinger. 1936. Progress report of wildlife disease studies for 1935. Transactions of the North American Wildlife Conference 2:469-471.
374. Green, R. G., C. A. Evans, and H. Y. Yanamura. 1943. Susceptibility of the raccoon to fox encephalitis. Proceedings of the Society for Experimental Biology and Medicine 53(1):186-187.
375. Habermann, R. T., C. M. Herman, and F. P. Williams, Jr. 1958. Distemper in raccoons and foxes suspected of having rabies. Journal of the American Veterinary Medical Association 132(1):31-35.

376. Halloran, Patricia O'Connor. 1955. A bibliography of references to diseases to wild mammals and birds. Procyonidae. American Journal of Veterinary Research 16(61, Part 2):159-166. 465 pp.
377. Harkema, R. 1942. Pharyngostomoides procyonis n. g., n. sp. (Strigeida) a trematode from the raccoon in North Carolina and Texas. Journal of Parasitology 28(2):117-122.
378. Harkema, R., and G. C. Miller. 1958. A new strigeid trematode (Diplostomatidae:Alariinae) from the pancreatic duct of the raccoon. Journal of Parasitology 44(4, Section 2):43. (Abstract.)
379. Harkema, R., and G. C. Miller. 1959. Studies on the helminths of North Carolina vertebrates. I. Procyotrema marsupiformis n. g., n. sp. (Strigeida:Diplostomatidae) from the pancreatic duct of the raccoon. Journal of Parasitology 45(2):151-153.
380. Harkema, R., and G. C. Miller. 1961. Parallelorchis diglossus n. g., n. sp., a trematode (Strigeida:Diplostomidae) from the Florida raccoon. Journal of Parasitology 47(4, Section 1):611-613.
381. Harkema, R., and G. C. Miller. 1961. A new strigeoid trematode (Diplostomatidae:Alariinae) from Florida raccoons. Journal of Parasitology 47(4, Section 2):28. (Abstract.)
382. Harkema, R., and G. C. Miller. 1961. Observations on parasitism of the raccoon of Cape Island, S.C. Journal of Parasitology 47 (4, Section 2):41. (Abstract.)
383. Harkema, R., and G. C. Miller. 1961. A new strigeoid trematode (Diplostomatidae:Alariinae) from Florida raccoons. Association of Southern Biologists Bulletin 8(2):30.
384. Harkema, R., and G. C. Miller. 1962. Helminths of Procyon lotor solutus from Cape Island, South Carolina. Journal of Parasitology 48(2):333-335.

385. Harkema, R., and G. C. Miller. 1962. Parasitic helminths from the raccoon, mink, and muskrat. *Journal of Parasitology* 48(2, Section 2):22. (Abstract.)
386. Heimboldt, C. F., and E. L. Jungherr. 1955. Distemper complex in wild carnivores simulating rabies. *American Journal of Veterinary Research* 16(60):463-469.
387. Herman, C. M., and J. I. Bruce, Jr. 1962. Occurrence of Trypanosoma cruzi in Maryland. *Proceedings of the Helminthological Society of Washington* 29(1):55-58.
388. Herman, C. M., and D. L. Price. 1965. Epizootiologic studies on filarioids of the raccoon. *Journal of Wildlife Management* 29(4):694-699.
389. Huggins, E. J. 1958. Guinea worms in a raccoon from South Dakota and in mink from Minnesota. *Journal of Parasitology* 44(4, Section 2):41-42. (Abstract.)
390. Huggins, E. J. 1958. Guinea worms from carnivores in South Dakota and Minnesota, with a review of the distribution and taxonomy of Dracunculid worms in North America. *Proceedings of the South Dakota Academy of Sciences* 37:40-46.
391. Hughes, R. C. 1928. Studies on the trematode family Strigeidae (Holostomidae). No. 12. Agamodistomum la-ruei sp. nov. *Parasitology* 20(4):413-420.
392. Ingram, W. M. 1941. The helminth fauna of a raccoon. *Journal of Parasitology* 27(6):539-540.
393. Irons, J. V., R. B. Eads, C. W. Johnson, O. L. Walker, and Margaret Ann Norris. 1952. Southwest Texas Q fever studies. *Journal of Parasitology* 38(1):1-5.

394. Jacobs, L., Anastasia M. Stanley, and C. M. Herman. 1962. Prevalence of Toxoplasma antibodies in rabbits, squirrels, and raccoons collected in and near the Patuxent Wildlife Research Center. *Journal of Parasitology* 48(4):550.
395. Jameson, E. W., Jr. 1943. Notes on the habits and siphonapterous parasites of the mammals of Welland County, Ontario. *Journal of Mammalogy* 24(2):194-197 (195).
396. Johnson, A. D. 1962. Experimental infection of the raccoon with Strongyloides stercoralis. *Journal of Parasitology* 48(2):332.
397. Jordan, Helen E., and F. A. Hayes. 1959. Gastrointestinal helminths of raccoons (Procyon lotor) from Ossabaw Island, Georgia. *Journal of Parasitology* 45(3):249-252.
398. Karstad, L. H., E. V. Adams, R. P. Hanson, and D. H. Ferris. 1956. Evidence for the role of wildlife in epizootics of vesicular stomatitis. *Journal of the American Veterinary Medical Association* 129(3):95-96.
399. Kilham, L. 1956. Serological studies of canine distemper--complement fixation with spleen antigens. *American Journal of Veterinary Research* 17(64):398-401.
400. Kilham, L., and C. M. Herman. 1954. Isolation of an agent causing bilirubinemia and jaundice in raccoons. *Proceedings of the Society for Experimental Biology and Medicine* 85(2):272-275.
401. Kilham, L., and C. M. Herman. 1955. Severe infestation of blow flies in a raccoon. *Journal of Wildlife Management* 19(4):499.
402. Kilham, L., R. T. Habermann, and C. M. Herman. 1956. Jaundice and bilirubinemia as manifestations of canine distemper in raccoons and ferrets. *American Journal of Veterinary Research* 17(62):144-148.

403. Kradel, D. C., and H. W. Dunne. 1964. Diseases of the brain and spinal cord observed in Pennsylvania deer and other wildlife. Proceedings of the Annual Conference of the Northeastern Section of the Wildlife Society, Hartford, Connecticut. 7 pp. Mimeo.
404. Krembs, J., and O. Seifried. 1939. Auf Waschbären übertragbare Katzenruhe. (Ansteckende Kehlkopf und Darmentzündung.) Der Deutsche Pelztierzüchter 14(4):77-80. (In German.)
405. Law, R. G., and A. H. Kennedy. 1932. Parasites of fur-bearing animals. Ontario Department of Game and Fish Bulletin 4:7-29.
406. Layne, J. N., D. E. Birkenholz, and J. V. Griffon, Jr. 1960. Records of Dracunculus insignis (Leidy, 1858) from raccoons in Florida. Journal of Parasitology 46(6):685.
407. Lee, Hong-Fang. 1961. Life history and epidemiological studies of Heterobilharzia americana Price, 1929, schistosome of the raccoon, nutria, dog and rabbit. Ph.D. Thesis. Tulane University. New Orleans. 198 pp.
408. Lee, Hong-Fang. 1962. Life history of Heterobilharzia americana Price 1929, a schistosome of the raccoon and other mammals in southeastern United States. Journal of Parasitology 48(5): 728-739.
409. Leidy, J. 1858. Contributions to helminthology. Proceedings of the Academy of Natural Sciences of Philadelphia:110-112.
410. Leigh, W. H. 1958. Carneophallus turgidus sp. nov. (Trematoda: microphallidae) from the raccoon, Procyon lotor, in south Florida. Journal of Parasitology 44(1):100-102.
411. McDermid, A. M. 1939. Infectious gastro-enteritis in raccoon. Wisconsin Conservation Bulletin 4(3):21-22.

412. McKeever, S. 1958. Observations on Paragonimus kellicotti Ward from Georgia. *Journal of Parasitology* 44(3):324-327.
413. McKeever, S., G. W. Gorman, and Lois Norman. 1958. Occurrence of a Trypanosoma cruzi-like organism in some mammals from southwestern Georgia and northwestern Florida. *Journal of Parasitology* 44(6):583-587.
414. McKeever, S., W. Kaplan, L. Ajello. 1958. Ringworm fungi of large wild mammals in southwestern Georgia and northwestern Florida. *American Journal of Veterinary Research* 19(73): 973-975.
415. McKeever, S., G. W. Gorman, M. M. Galton, and Anna D. Hall. 1958. The raccoon, Procyon lotor, a natural host of Leptospira autumnalis. *American Journal of Hygiene* 68(1):13-14.
416. McKeever, S., G. W. Gorman, J. F. Chapman, M. M. Galton, and D. K. Powers. 1958. Incidence of leptospirosis in wild mammals from southwestern Georgia, with a report of new hosts for six serotypes of leptospires. *American Journal of Tropical Medicine and Hygiene* 7(6):646-655.
417. McKeever, S., J. H. Schubert, M. D. Moody, G. W. Gorman, and J. F. Chapman. 1958. Natural occurrence of tularemia in marsupials, carnivores, lagomorphs, and large rodents in southwestern Georgia and northwestern Florida. *The Journal of Infectious Diseases* 103(2):120-126.
418. McNeill, C. W., and Joanna T. Knogsdale. 1953. Parasites of raccoons in southwest Washington. *Journal of Mammalogy* 34(1):123-124.

419. Miller, G. C., and R. Harkema. 1962. Studies on helminths of North Carolina vertebrates. II. Ascocotyle ampullacea sp. n. (Trematoda:Heterophyidae) from raccoon. Journal of Parasitology 48(3):427-428.
420. Miller, M. J. 1940. A new trematode, Fibricola laruei, from the racoon in Canada. Canadian Journal of Research, Section D., Zoological Sciences 18(9):333-335.
421. Moore, D. V. 1946. Studies on the life history and development of Macracanthorhynchus ingens Meyer, 1933, with a redescription of the adult worm. Journal of Parasitology 32(4):387-399.
422. Morgan, B. B., and E. F. Waller. 1940. Severe parasitism in a raccoon (Procyon lotor lotor, Linnaeus). Transactions of the American Microscopical Society 59(4):523-527.
423. Morlan, H. B. 1952. Host relationships and seasonal abundance of some southwest Georgia ectoparasites. American Midland Naturalist 48(1):74-93.
424. Neill, W. T. 1953. Two erythristic raccoons from Florida. Journal of Mammalogy 34(4):500.
425. Olsen, P. F. 1965. Epiziology of Chagas' disease in the southeastern United States--with particular emphasis on the Trypanosoma cruzi-Triatoma sanguisuga-Didelphis marsupialis complex in Alabama. Wildlife Disease 47. 108 pp., WD-66-1 and WD-66-2. Microfiche.
426. Olsen, O. W., and R. Fenstermacher. 1938. The raccoon, a new host of Ascaris columnaris Leidy, 1856 (Nemotoda:Ascaridae). Proceedings of the Helminthological Society of Washington 5(1):20.
427. Osebold, J. W., G. Shultz, and E. W. Jameson. 1957. An epizootiological study of listeriosis. Journal of the American Veterinary Medical Association 130(11):471-475.

428. Penner, L. R. 1954. A note on Macracanthorhynchus ingens in a Connecticut raccoon. *Journal of Mammalogy* 35(3):459.
429. Penner, L. R., C. F. Helmboldt, and Anne L. Griswold. 1954. Eurytrema procyonis in a raccoon from Connecticut. *Proceedings of the Helminthological Society of Washington* 21(1):34-35.
430. Pistey, W. R. 1958. Studies on the development of Dirofilaria tenuis Chandler 1942. *Journal of Parasitology* 44(6):613-626 + Plates 1-4.
431. Price, D. L. 1955. Dipetalonema procyonis n. sp. from Procyon lotor lotor (Linnaeus). *Proceedings of the Helminthological Society of Washington* 22(1):38-41.
432. Price, D. L. 1962. Description of Dipetalonema interstitium n. sp. from the grey squirrel and Dipetalonema llewellyni n. sp. from the raccoon. *Proceedings of the Helminthological Society of Washington* 29(1):77-82.
433. Price, E. W. 1943. A redescription of Heterobilharzia americana Price (Trematoda: Schistosomatidae). *Proceedings of the Helminthological Society of Washington* 10(2):85-86.
434. Quist, K. D., R. B. Eads, and Alice Conklin. 1957. Studies on bat rabies in Texas. *Journal of the American Veterinary Medical Association* 130(2):66-68.
435. Rausch, R. 1946. The raccoon, a new host from Microphallus sp., with additional notes on M. ovatus from turtles. *Journal of Parasitology* 32(2):208-209.
436. Reilly, J. R. 1954. The raccoon as a wildlife reservoir of Leptospira canicola. *New York Fish and Game Journal* 1(2):220.

437. Reilly, J. R. 1957. Investigation of leptospirosis as it occurs in raccoon and other species which may be reservoir hosts for this disease. Annual Job Completion Report, Investigations Projects, Job No. IV-A, Project No. W-35-R-9, Work Plan 4. New York. 2 pp. Mimeo.
438. Richards, C. S. 1961. Hepatozoon procyonis, n. sp., from the raccoon. Journal of Protozoology 8(4):360-362.
439. Richards, S. 1958. Rabies in North Dakota wildlife. North Dakota Outdoors 20(5):4-5, 16 (5).
440. Robinson, V. B., J. W. Newberne, D. M. Brooke. 1957. Distemper in the American raccoon (Procyon lotor). Journal of the American Veterinary Medical Association 131(6):276-278.
441. Sawyer, T. K. 1958. Metagonimoides oregonensis Price, 1931 from a Georgia raccoon with a note on Sellacotyle mustelae Wallace, 1935. Journal of Parasitology 44(1):63.
442. Scatterday, J. E., N. J. Schneider, W. L. Jennings, and A. L. Lewis. 1960. Sporadic animal rabies in Florida. Public Health Reports 75(10):945-953.
443. Schiller, E. L., and B. B. Morgan. 1949. Gross parasitism in a young raccoon. Journal of Parasitology 35(6, Section 2):38. (Abstract.)
444. Schoening, H. W. 1956. Rabies. Pages 195-202 in U. S. D. A., Yearbook of Agriculture 1956. Animal Diseases. 591 pp.
445. Schwartz, B. 1926. A new species of hookworm from a North American raccoon. Proceedings of the United States National Museum 67(Article 26):1-4.

446. Senger, C. H., and K. A. Hellend. 1955. Helminth parasites of some fur-bearers of Oregon. *Journal of Parasitology* 41(6):637-638.
447. Siegler, H. R. 1946. Guinea worm infestation of raccoons in New Hampshire. *Journal of Mammalogy* 27(2):179.
448. Stefanski, W., and E. Zarnowski. 1951. *Ascaris procyonis* n. sp. z jajita szope (*Procyon lotor* L.) (*Ascaris procyonis* n. sp. provenant de l'intestin de *Procyon lotor* L.) *Annales Muséum Polonici* 14(15):199-202. (In French.)
449. Stewart, M. A. 1926. Two new Siphonaptera from New York. *Insecutor Insectorum Monstruum* 14(7/9):122-126.
450. Trainer, D. O., Jr. 1959. Wildlife pathology study. Research in Wisconsin (1957-58). Pp. 81-82. Wisconsin Conservation Department.
451. Wallace, F. G. 1935. A morphological and biological study of the trematode, *Sollacetyte mustelae* n. g., n. sp. *Journal of Parasitology* 21(3):143-164 + Plates 1 and 2.
452. Waller, E. F. 1940. Infectious gastroenteritis in raccoons (= *Procyon lotor*). *Journal of the American Veterinary Medical Association* 96(755):266-268.
453. Walton, B. C. 1956. Identification of a trypanosome from *Procyon lotor lotor* from Maryland as *Trypanosoma cruzi* (Chagas). Ph. D. Thesis. University of Maryland, College Park. 24 pp.
454. Walton, B. C., P. H. Bauman, L. S. Diamond, and C. M. Norman. 1958. The isolation and identification of *Trypanosoma cruzi* from raccoons in Maryland. *American Journal of Tropical Medicine and Hygiene* 7(6):603-610.
455. Wharton, G. W., and H. S. Fuller. 1952. A manual of the chiggers. Entomological Society of Washington, Washington, D.C. 185 pp. (126).

456. Williams, R. R. 1961. A bat trematode, Prosthodendrium naviculum Macy, 1936, naturally occurring in raccoons. *Journal of Parasitology* 47(4, Section 1):640.
457. Yakimoff, W. L., and I. L. Matikaschwili. 1933. Coccidiosis in raccoons: Eimeria nuttalli n. sp., parasite of Procyon lotor. *Parasitology* 24(4):574-575.
458. Zimmerman, W. J., E. D. Hubbard, and H. E. Biester. 1959. Studies on trichiniasis in Iowa wildlife (1955-56 and 1956-57 seasons). *Journal of Parasitology* 45(1):87-90.
459. Zschokke, W., and E. Säxer. 1932. Beobachtungen bei Pelztiererkrankungen. II. Eitrig-fibrinöse Pleuritis beim Waschbär und Nerz. *Schweizer Archiv für Tierheilkunde* 74(12):589-592. (In German.)

See also: 167, 261.

**MANAGEMENT and PROPAGATION: Restocking, Raising, Controlling, Managing.**

460. Anon. 1936. Raising raccoons. U. S. D. A., Bureau of Biological Survey, Wildlife Research and Management Leaflet BS-34. 2 pp.
461. Anon. 1938. Closed seasons fail to increase 'coons. Michigan Conservation 8(1):3.
462. Anon. 1940. Conservation clubs build dens for Ma and Pa Raccoon and the family. Outdoor Indiana 7(3):5, 31.
463. Anon. 1959. Raccoons and their control. U. S. D. I., Fish and Wildlife Service, Wildlife Leaflet 401. [2] pp.
464. Ashbrook, F. G. 1929. Progress in fur farming. Transactions of the American Game Conference 16:107-112 (112).
465. Atkeson, T. Z., and D. C. Hulse. 1953. Trapping versus night hunting for controlling raccoons and opossums within sanctuaries. Journal of Wildlife Management 17(2):159-162.
466. Belz, H. 1931. The black raccoon offers food and fur. American Fur Breeder 4(4):26-27.
467. Boston, W. J. 1930. The beautiful white raccoon. American Fur Breeder 3(6):38-40.
468. Boston, W. J. 1931. Answering some arguments against the white raccoon. American Fur Breeder 4(3):29.
469. Butterfield, R. T. 1950. The buying of den trees for raccoon management. Journal of Wildlife Management 14(2):244-246.
470. Chapman, F. B. 1938. Recommendations concerning wildlife management in southeastern Ohio. Ohio State University, Wildlife Research Station Release 98. 16 pp. Mimeo.

471. Dementiev, G. P. 1957. La protection de la nature en USSR.  
(Protection of nature in U. S. S. R.) La Terre et Vie  
104(4):305-317. (In French.)
472. Eadie, W. R. 1954. Animal control in field, farm, and forest.  
Macmillan Company, New York. 257 pp. (20-26).
473. Edwards, J. L. 1937. Raccoon raising. Fur Farms Publishing Company,  
Utica, New York.
474. Gale, L. R. 1952. Raccoon ranch status. Kentucky Happy Hunting  
Ground 8(1):12-13.
475. Golodushko, B. Z. 1963. Akklimatizatsiya enota - poloskuna v  
Belorussii. (The acclimatization of the raccoon in Belorussia.)  
In: Akklimatizatsiya zhivotnykh v SSSR. (The acclimatization of  
animals in the USSR.) Akademiiia Nauk Kazakhsk. SSR (Alma-Ata):  
79-81. 1963. Referativnyi Zhurnal, Biologii, 1963, No. 171255.  
(In Russian.) Biological Abstracts 45(17):5816. 1964.  
(Translation.)
476. Graves, E. F. 1936. Raccoon raising. Veterinary Medicine 31(12):  
550-554, 560.
477. Hall, E. R. 1963. Introduction of exotic species of mammals.  
Proceedings of the International Congress of Zoology 16  
(Volume 1, Contributed Papers):267.
478. Kellner, W. C. 1953. Factors influencing the raccoon and its  
management in southwestern Virginia. M. S. Thesis. Virginia  
Polytechnic Institute, Blacksburg.
479. Kurbatov, V. P. 1956. Acclimatization of the North American raccoon  
(Procyon lotor L.) to the forests of nut trees and apple trees in  
southern Kirghiz. Akklimatizatsiya pushnykh zverey v Kirgizii:  
83-106. 1956. Referativnyi Zhurnal, Geographiia 6, 1957. (In  
Russian.) Wildlife Review 99:61. 1960. (Translation.)

480. Little, C. C. 1958. Coat color genes in rodents and carnivores. *Quarterly Review of Biology* 33(2):103-137.
481. Martin, E. D. 1939. Raccoon management and propagation. *Ohio Conservation Bulletin* 3:4-5.
482. Martin, E. D. 1950. Propagation of Ohio raccoons in pens. *Ohio Division of Wildlife, Game Management Section, Leaflet 16.* 4 pp. Mimeo.
483. McLaughlin, J. H. 1953. Factors influencing the raccoon and its management in southwestern Virginia. M. S. Thesis. Virginia Polytechnic Institute, Blacksburg, Virginia. 33 pp.
484. Nelson, F. P. 1955. The place of stocking in game management. *South Carolina Wildlife* 2(1):2-3.
485. Pankrat'ev, A. G. 1961. Akklimatizatsiya enota - poloskuna v lesakh Yuzhnogo Primor'ya. (Acclimatization of the raccoon in the forests of Yuzhnoe Primor'e.) *Akademiiia Nauk SSSR* 11:115-120. 1959. *Referativnyi Zhurnal, Biologii*, 1961, No. 5D652. (In Russian.) *Biological Abstracts* 40(5):1339. 1962. (Translation.)
486. Preble, N. A. 1940. The status and management of raccoon in central Ohio. M. S. Thesis. Ohio State University, Columbus.
487. Preble, N. A. 1941. Raccoon management in central Ohio. *Ohio State University, Ohio Wildlife Research Station Release 161.* 9 pp. Mimeo.
488. Rukovskii, N. N. 1963. Enot-poloskun v SSSR. (The raccoon in the USSR.) In: *Akklimatizatsiya zhivotnykh v SSSR.* (The acclimatization of animals in the USSR.) *Akademiiia Nauk Kazakhsk. SSR (Alma-Ata):* 143-145. 1963. *Referativnyi Zhurnal, Biologii*, 1963, No. 171162. (In Russian.) *Biological Abstracts* 45(17):5817. 1964. (Translation.)
489. Russell, L. 1928. Breeding the black raccoon. *American Fur Breeder* 1:18.
490. Russell, L. S. 1929. Timely suggestions for breeding black raccoon. *American Fur Breeder* 1(11):12-13.

491. Scheffer, V. B. 1947. Raccoons transplanted in Alaska. *Journal of Wildlife Management* 11(4):350-351.
492. Sherman, H. B. 1954. Raccoons of the Bahama Islands. *Journal of Mammalogy* 35(1):126.
493. Stabnow, E. F. 1931. Something new in raccoon. *American Fur Breeder* 3(7):36.
494. Stevenson, L. 1943. Raising raccoons. *Fur Trade Journal of Canada* 21(3):14,43,46.
495. Stuber, J. W. 1932. 'Coon propagation in Ohio. *Transactions of the American Game Conference* 19:328-333.
496. Stuewer, F. W. 1941. 'Coon stocking not for Michigan. *Michigan Conservation* 10(8):3,11.
497. Stuewer, F. W. 1943. Artificial dens for raccoons. *Journal of Wildlife Management* 12(3):296-301.
498. Wilder, N., H. Cofer, and R. Beck. 1951. Marsh raccoon control. Final Report, P-R Project 9 R. Delaware Board of Game and Fish Commissioners, Dover. 2 pp. Mimeo.
499. Woehler, E. E. 1957. How about raccoon stocking? *Wisconsin Conservation Bulletin* 22(4):12-14.
500. Zeches, R. F. 1928. Winter dens for raccoons. *American Fur Breeder* 1(6):9.
501. Zeches, R. I. 1928. How to care for raccoon pups. *American Fur Breeder* 1(1):22.

See also: 179, 202, 204, 233, 249.

TRAPPING and HUNTING: Capture Techniques, Seasons, Laws, Fur Harvests.

502. Adams, C. C. 1926. The economic and social importance of animals in forestry with special reference to wild life. Roosevelt Wild Life Bulletin 3(4):502-678(588). (New York State College of Forestry at Syracuse University.)
503. Adams, A. W. 1962. The 1960-61 fur harvest. North Dakota Outdoors 24(12):13.
504. Anon. 1945. Raccoons are "up" in Michigan. Michigan Conservation 14(3):5.
505. Anon. 1946. Report of Missouri Conservation Commission. Organization, policies and activities January, 1945 to June 30, 1946. Missouri Conservation Commission. 133 pp.
506. Anon. 1953. Oklahoma fur harvest down 70 per cent. Oklahoma Game and Fish News 9(5):8.
507. Anon. 1954. Fur catch report: 1953-54 trapping season. Oregon State Game Commission Bulletin 9(7):7.
508. Anon. 1954. Comparative fur catches in Washington. Washington State Game Bulletin 6(4):5.
509. Anon. 1955. Fur catch report: 1954-55 trapping season. Oregon State Game Commission Bulletin 10(7):6.
510. Anon. 1955. 15 years of Iowa trapping. Iowa Conservationist 14(9):164-165.
511. Anon. 1956. Fur catch report: 1955-56 trapping season. Oregon State Game Commission Bulletin 11(7):7.
512. Anon. 1956. The Iowa hunting and fishing survey -- 1955. Supplement to the November, 1956, Iowa Conservationist. 7 pp.

513. Anon. 1957. Fur catch in the United States, 1956. U.S.D.I., Fish and Wildlife Service, Wildlife Leaflet 388. 3 pp. Mimeo.
514. Anon. 1958. Fur catch in the United States, 1957. U.S.D.I., Fish and Wildlife Service, Wildlife Leaflet 398. 3 pp. Mimeo.
515. Anon. 1959. Fur catch in the United States, 1958. U.S.D.I., Fish and Wildlife Service, Wildlife Leaflet 410. 3 pp. Mimeo.
516. Anon. 1960. Fur catch in the United States, 1959. U.S.D.I., Fish and Wildlife Service, Wildlife Leaflet 424. 3 pp. Mimeo.
517. Anon. 1961. Fur catch in the United States, 1960. U.S.D.I., Fish and Wildlife Service, Wildlife Leaflet 436. 3 pp. Mimeo.
518. Anon. 1962. Fur catch in the United States, 1961. U.S.D.I., Fish and Wildlife Service, Wildlife Leaflet 444. 3 pp. Mimeo.
519. Anon. 1963. Fur catch in the United States, 1962. U.S.D.I., Fish and Wildlife Service, Wildlife Leaflet 452. 4 pp. Mimeo.
520. Anon. 1964. Fur catch in the United States, 1963. U.S.D.I., Fish and Wildlife Service, Wildlife Leaflet 460. 4 pp. Mimeo.
521. Anon. 1965. Fur catch in the United States, 1964. U.S.D.I., Fish and Wildlife Service, Wildlife Leaflet 471. 4 pp. Mimeo.
522. Anon. n.d. (1916-1931). Fur laws for the season -- 1915-32. U. S. Bureau of Biological Survey. (Compilation, Farmers' Bulletins 706, 783, 911, 1022, 1079, 1165, 1238, 1293, 1387, 1445, 1469, 1515, 1552, 1576, 1618, 1648, 1685.)

523. Ashbrook, F. G. 1922. The fur trade and the fur supply.  
Journal of Mammalogy 3(1):1-7 (4-5).
524. Ashbrook, F. G. 1925. Trapping laws and the fur supply.  
Journal of Mammalogy 6(3):168-173.
525. Ashbrook, F. G. 1948. Fur -- An important wildlife crop. U.S.D.I.,  
Fish and Wildlife Service, Wildlife Leaflet 314. 6 pp. Mimeo.
526. Ashbrook, F. G. 1949. Abstract of fur laws, 1949-50. U.S.D.I.,  
Fish and Wildlife Service, Wildlife Leaflet 326. 42 pp. Mimeo.
527. Ashbrook, F. G. 1952. Abstract of fur laws, 1952-53. U. S. Fish  
and Wildlife Service, Wildlife Leaflet 343. 43 pp. Mimeo.
528. Ashbrook, F. G. 1953. Annual fur catch of the United States.  
U. S. Fish and Wildlife Service, Wildlife Leaflet 346, 24 pp.  
Mimeo.
529. Ashbrook, F. G. 1953. Abstract of fur laws, 1953-54. U. S. Fish  
and Wildlife Service, Wildlife Leaflet 347. 41 pp. Mimeo.
530. Ashbrook, F. G. 1954. Annual fur catch of the United States,  
1953-54. U. S. Fish and Wildlife Service, Wildlife Leaflet  
362. 24 pp. Mimeo.
531. Ashbrook, F. G. 1954. Abstract of fur laws, 1954-55. U. S. Fish  
and Wildlife Service, Wildlife Leaflet 363. 39 pp. Mimeo.
532. Ashbrook, F. G. 1954. Furs glamorous and practical / Fur buying  
mystery removed. D. Van Nostrand Company, New York. 88 pp.
533. Ashbrook, F. G. 1955. Fur catch in the United States, 1949-54.  
U. S. Fish and Wildlife Service, Wildlife Leaflet 367. 24 pp.  
Mimeo.
534. Ashbrook, F. G. 1956. Fur catch in the United States, 1955. U. S.  
Fish and Wildlife Service, Wildlife Leaflet 380. 3 pp. Mimeo.

535. Ashbrook, F. G., and F. L. Earnshaw. 1924. Laws relating to fur animals for the season 1924-25. U.S.D.A., Farmers' Bulletins 1445. 22 pp.
536. Ashbrook, F. G., and F. L. Earnshaw. 1925. Laws relating to fur animals for the season 1925-26. U.S.D.A., Farmers' Bulletins 1469. 28 pp.
537. Ashbrook, F. G., and F. L. Earnshaw. 1926. Fur laws for the season 1926-27. U.S.D.A., Farmers' Bulletins 1515. 28 pp.
538. Ashbrook, F. G., F. L. Earnshaw, and F. G. Grimes. 1927. Fur laws for the season 1927-28. U.S.D.A., Farmers' Bulletins 1552. 28 pp.
539. Benjamin, J. R. 1941. The 1941 fur crop in Ohio. Ohio State University, Ohio Wildlife Research Station Release 168. 9 pp. Mimeo.
540. Bennet, J. M. 1925. Dog, gun, and raccoon. Forest and Stream 95(9):554-557.
541. Brown, L. G., and L. E. Yeager. 1943. Survey of the Illinois fur resource. Illinois Natural History Survey Bulletin 22(Article 6): 435-504 + plate.
542. Cook, Fannye A. 1945. Fur resources of Mississippi. Survey Bulletin, Mississippi State Game and Fish Commission, Jackson. 100 pp.
543. Earnshaw, F. L., and F. G. Grimes. 1928. Fur laws for the season 1928-29. U.S.D.A., Farmers' Bulletins 1576. 29 pp.
544. Earnshaw, F. L., and F. G. Grimes. 1929. Fur laws for the season 1929-30. U.S.D.A., Farmers' Bulletins 1618. 30 pp.
545. Eklund, C. R. 1946. Fur resource management in British Columbia. Journal of Wildlife Management 10(1):29-33.

546. Gale, L. R. 1953. Fur harvest in Kentucky increased both in total numbers and value last season. Kentucky Happy Hunting Ground 9(6):14.
547. Gale, L. R. 1955. Total fur value for Kentucky up. Kentucky Happy Hunting Ground 11(4):18.
548. Gale, L. R. 1955. Overall hunting picture for past season was good. Kentucky Happy Hunting Ground 11(4):9.
549. Gale, L. R. 1955. 1953-54 fur harvest shows sharp decline. Kentucky Happy Hunting Ground 11(2):28.
550. Gates, C. G. 1946. Raccoon trapping. Fur-Fish-Game 79(1):33-35.
551. Grimes, F. G. 1930. Fur laws for the season 1930-31. U.S.D.A., Farmers' Bulletins 1648. 30 pp.
552. Hibbard, E. 1954. Prospects for 1954-55 trapping season. North Dakota Outdoors 17(5):6-7.
553. Innis, H. A. 1930. The fur trade in Canada. Yale University Press, New Haven. (Oxford University Press, London.) 444 pp. (212, 267-268).
554. Kennamer, E. F. 1954. Size and value of Alabama fur crop. Journal of Wildlife Management 18(4):539.
555. Lantz, D. E. 1916. Laws relating to fur-bearing animals, 1915. U.S.D.A., Farmers' Bulletins 706. 24 pp.
556. Lantz, D. E. 1916. Laws relating to fur-bearing animals, 1916. U.S.D.A., Farmers' Bulletins 783. 28 pp.
557. Lantz, D. E. 1917. Laws relating to fur-bearing animals, 1917. U.S.D.A., Farmers' Bulletins 911. 32 pp.
558. Lantz, D. E. 1918. Laws relating to fur-bearing animals, 1918. U.S.D.A., Farmers' Bulletins 1022. 32 pp.

559. Lawyer, G. A., and F. L. Earnshaw. 1921. Laws relating to fur-bearing animals, 1921. U.S.D.A., Farmers' Bulletins 1238. 32 pp.
560. Lawyer, G. A., and F. L. Earnshaw. 1922. Laws relating to fur animals, 1922. U.S.D.A., Farmers' Bulletins 1293. 30 pp.
561. Lawyer, G. A., and F. L. Earnshaw. 1923. Laws relating to fur animals for the season 1923-24. U.S.D.A., Farmers' Bulletins 1387. 34 pp.
562. Lawyer, G. A., F. L. Earnshaw, and N. Dearborn. 1919. Laws relating to fur-bearing animals, 1919. U.S.D.A., Farmers' Bulletins 1079. 32 pp.
563. Lawyer, G. A., F. L. Earnshaw, and N. Dearborn. 1920. Laws relating to fur-bearing animals, 1920. U.S.D.A., Farmers' Bulletins 1165. 32 pp.
564. Ley, D. W., and O. E. Frye. 1942. Fur resources and fur animals of Texas. Texas Game, Fish, and Oyster Commission Bulletin 25. 42 pp.
565. Legler, E., Jr. 1954. The 1953-54 fur take report. Tennessee Game and Fish Commission, Technical Game Leaflet 2. 5 pp.
566. Lumsden, H. G. n. d. [1956]. Raccoon hunting in southern Ontario. Ontario Department of Lands and Forests. Pp. 38-42. Memo.
567. McMahon, C. A. 1946. Trapping the raccoon. Texas Game and Fish 4(12):30.
568. Mohr, C. O. 1937. Illinois trappers' averages reveal coon and possum distribution. Illinois Conservation 2(4):3-4, 8.
569. Mohr, C. O. 1943. Illinois furbearer distribution and income. Illinois Natural History Survey Bulletin 22(Article 7):505-537 (516-517).
570. Nagel, W. O. 1943. Report on a study of the economic value, distribution, population trends, and soil relationships of Missouri furbearers. Missouri Federal Aid to Wildlife Restoration Project No. 1-5 R, Volume 8. 133 pp.

571. Nagel, W. O. 1953. The harvests, economic values, and soil-fertility relationships of Missouri furbearers. Surveys and Investigations Projects, Missouri 1-5R, 1-9R, P-R Program. Game Section, Missouri Conservation Commission. 42 pp.
572. Peterson, R. L., and V. Crichton. 1949. The fur resources of Chapleau District, Ontario. Canadian Journal of Research, Section D, Zoological Sciences 27(2):68-84.
573. Quinn, G. 1957. Introducing: The coon hound. Missouri Conservationist 18(10):18-19.
574. Rawley, E. V. 1955. What is the future of Utah's fur resources? Fish and Game Bulletin 11(5):2,6-7. Utah Fish and Game Department.
575. Remington, J. (Compiler). 1955. Fur resources and bear studies. Federal Aid in Wildlife Restoration, Final Report, Investigations Project No. W-61-R. Colorado Game and Fish Department. 85 pp.
576. Sampson, F. 1955. Pelting prospects. Missouri Conservationist 16(10):4-7.
577. Schildner, G. 1956. Annual fur harvest, 1954-55 season. Job Completion Report, P-R Project 15-R, Job No. 38-55. Nebraska Game, Forestation & Parks Commission. 5 pp.
578. Sheldon, H. P., and F. S. Grimes. 1931. Fur laws for the season 1931-32. U.S.D.A., Farmers' Bulletins 1685. 30 pp.
579. Stains, H. J., and R. N. Baker. 1953. Furbearers in Kansas: A guide to trapping. University of Kansas, Museum of Natural History Miscellaneous Publications 16. 100 pp. (53-59).
580. Twitchell, A. R. 1948. Missouri's changing fur harvests. Missouri Conservationist 9(4):6-7, 12.

581. Twichell, R. 1951. Missouri furbearers. Missouri Conservation Commission. 20 pp.
582. Whitney, L. F. 1926. 'Coon hunting for health. Forest and Stream 96(2):76-77, 112.
583. Whitney, L. F. 1935. Moonlight, frost and 'coon. Outdoor Life 76(6):9-11, 64, 77.
584. Whitney, L. F., and A. B. Underwood. 1952. The coon hunter's handbook. Henry Holt and Company, New York. 210 pp.
585. Wilson, K. 1952. Raccoon hunting and the trapper. Wildlife in North Carolina 15(11):8-9, 22.
586. Wilson, K. A. 1955. Fur resources of North Carolina. North Carolina Wildlife Resources Commission, Game Division, Federal Aid in Wildlife Restoration Project W-6-R. 59 pp.
587. Yeager, L. E. 1937. Naturally sustained yield in a farm fur crop in Mississippi. Journal of Wildlife Management 1(1-2):28-36.
588. Yeager, L. E. 1943. Fur production and management of Illinois drainage system. Transactions of the North American Wildlife Conference 8:294-301.
589. Yeager, L. E. 1951. Wild furs: An economic asset in Colorado. Colorado Conservation, March 1951: 7-10.
590. Yeager, L. E. 1954. Wetland is fur country. National Wildlife Federation in cooperation with U.S. Fish and Wildlife Service. 10 + [1] pp.
591. Yeager, L. E., and R. G. Rennels. 1943. Fur yield and autumn foods of the raccoon in Illinois River bottom lands. Journal of Wildlife Management 7(1):45-60.
592. Yeager, L. E., R. N. Denny, and H. C. Hammit. 1949. Survey of the Colorado fur resource. Final Report, Federal Aid Project 47-R, Colorado Game and Fish Department Current Report 25. 64 pp. + Appendix A.

See also: 105, 163, 461, 465.

## MISCELLANEOUS

593. Allen, E. R., and W. T. Neill. 1956. Albinistic sibling raccoons from Florida. *Journal of Mammalogy* 37(1):120.
594. Anon. 1957. Raccoon swoon in new flurry. *Life Magazine* 43(11): 83-84, 86.
595. Anon. 1957. Boon to a coon. *Weekend Magazine* 7(17):10,12,13.
596. Clarke, I. D., and F. G. Ashbrook. 1953. A test of raccoon skins for suede leather. *Journal of the American Leather Chemists Association* 48(5):294-299.
597. Erickson, A. B. 1947. Effects of DDT mosquito larvicing on wildlife. Part 2. Effects of routine airplane larvicing on bird and mammal populations. *Public Health Reports* 62(35):1254-1262.
598. Goss, L. J. 1949. Animal hospital. Annual Report for the year 1949. *New York Zoological Society* 54:23-27.
599. Hamerton, A. E. 1942. Report on deaths occurring in the society's gardens during the year 1941. *Proceedings of the Zoological Society of London, Series B.* 112:120--136.
600. Jaeger, E. C. 1947. Use of the os phallus of the racoon as a ripping tool. *Journal of Mammalogy* 28(3):297.
601. Maar, R. D. 1947. Raccoons snap their own pictures. *Field and Stream* 52(6):112-113.
602. Nesen, R. von. 1938. Beitrag zur Ernährung und Verdauung des Waschbären. *Zeitschrift für Säugetierkunde* 13(1):77-113.  
(In German.)

603. Orr, R. T. 1954. Raccoon reception. *Pacific Discovery* 7(5):16-17.  
California Academy of Sciences, San Francisco.
604. Pope, C. H. 1943. Ivan and Abdulla. *Natural History* 51(3):116-119,  
154.
605. "Rohrs, H. D. 1931. Xerophtalmie beim waschbären. (Xerophthalmia in  
the raccoon.) *Der Deutsche Pelztierzüchter* 6:149-152. (In  
German.)
606. Sanderson, G. C., and R. M. Thomas. 1961. Incidence of lead in  
livers of Illinois raccoons. *Journal of Wildlife Management*  
25(2):160-168.
607. Scott, W. E. 1947. Muskrat farms. *Wisconsin Conservation Bulletin*  
12(2):16.
608. Shiras, G., III. 1911. A flashlight story of an albino porcupine  
and of a cunning but unfortunate coon. *National Geographic  
Magazine* 22(6):572-596.
609. Tulenko, P. 1946. The federal-aid wildlife program in Missouri.  
*Missouri Conservationist* 7(7):4-5, 14-15.
610. Walkowska, Janina. 1961. Les chromosomes chez les Carnivores.  
1. Le raton laveur (Procyon lotor L.) (Chromosomes of the  
carnivores. I. Raccoon, Procyon lotor L.). *Folia Biologica*  
9(4):303-307. Polish Academy of Sciences (Department of  
Experimental Zoology). Krakow. (In French.)

## AUTHOR INDEX

- Abbott, R. L., 119, 120.
- Adams, A. W., 503.
- Adams, C. C., 502.
- Adams, E. V., 398.
- Ajello, L., 414.
- Aliiev, F. F., 2
- Allen, D. L., 121.
- Allen, E. R., 593.
- Allen, H., 250.
- Allen, J. A., 1.
- Amoroso, E. C., 312.
- Amundson, R., 38.
- Anderson, H. G., 210.
- Anderson, N. V., 271.
- Anderson, W., 234.
- Andrews, R. D., 300
- Anon., 39, 332, 333, 460, 461, 462, 463, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 594, 595.
- Anthony, H. E., 122.
- Arey, L. B., 251.
- Asdell, S. A., 313.
- Ash, L. R., 334, 335.
- Ashbrook, F. G., 123, 464, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 596.
- Atkeson, T. Z., 465.
- Austin, J. A., 338.
- Ayars, J. S., 124, 235.
- Babero, B. B., 336, 337.
- Bachmann, Elizabeth, 125.
- Bailey, B., 40.
- Bailey, V., 41, 42, 43.
- Baker, G. F., 44.
- Baker, R. H., 45, 156, 211, 579.
- Bangs, O., 3.
- Bankston, J. D., 236.
- Beck, R., 208, 498.
- Beed, W. E., 237.
- Beidler, L. M., 301.
- Bellrose, F. C., 238.
- Bellrose, F. C., Jr., 161.

- Belz, H., 466.  
Benjamin, J. R., 539.  
Bennet, J. M. 540.  
Bennitt, R., 46.  
Berard, E. V., 47, 314.  
Bergtold, W. H., 158.  
Bernard, M., 363.  
Berner, A., 157.  
Bickley, W. E., 362.  
Bierens de Hann, J. A., 286, 302.  
Biester, H. E., 458.  
Biggers, J. D., 253, 255, 256.  
Birkenholz, D. E., 406.  
Bissonnette, T. H., 315, 316, 317.  
Black, J. D., 56.  
Blake, J., 108.  
Bogitsh, B. J., 340  
Bolin, V.S., 338.  
Boston, W. J., 467, 468.  
Bourdelle, E., 159.  
Bourliere, F., 160.  
Bradt, G. W., 48.  
Brooke, D. M., 440.  
Brown, D. R., 238.  
Brown, L. G., 161, 541.  
Brown, M. H., 339.  
Bruce, J. I., Jr, 387.  
Butterfield, R. T., 105, 162, 163, 164,  
469.  
Byrd, E. E., 340.  
Cabalka, J. L., 165, 166.  
Cable, R. M., 341.  
Cagle, F. R., 126.  
Cahalane, V. H., 49, 127.  
Cahn, A. R., 50.  
Cameron, T. W. N., 342.  
Campbell, J. E., 51.  
Chandler, A. C., 343, 344, 345, 346.  
Chapman, F. B., 470.  
Chapman, J. F., 416, 417.  
Cheatum, E. L., 347.  
Childs, H. E., Jr., 239.  
Chitwood, B. G., 348, 349.  
Christian, J. J., 167.  
Clark, G. M., 350.  
Clark, L. G., 351.  
Clark, T. G., 212.  
Clarke, I. D., 596.  
Coatney, G. R., 352.  
Cofer, H., 208, 498.

- Conklin, Alice, 434.  
Connor, P. F., 52.  
Cook, Fannye A., 542.  
Cook, A. H., 106, 128, 347.  
Cook, R. S., 353.  
Cooley, R. A., 354.  
Cory, C. B., 53.  
Costa, R. R., 166, 213.  
Cram, W. E., 152.  
Crane, J., 54.  
Crawford, B. T., 168.  
Creed, R. F. S., 255, 256.  
Crew, F. H., 132.  
Crichton, V., 572.  
Crook, E., 355.  
Csech, A. G., 315, 316, 317.  
Cunningham, E. R., 55.  
Currie, J. W., 129.  
Danner, E. Y., 214.  
Davis, C., 130.  
Davis, D. D., 257.  
Davis, D. E., 245.  
Dearborn, N., 215, 562, 563.  
Dellinger, G. P., 169.  
Dellinger, S. C., 56.  
Dementiev, G. P., 471.  
Denney, A. H., 170.  
Denny, R. N., 592.  
Denton, J. F., 356.  
Dexter, R. W., 216.  
Diamond, L. S., 357.  
Dice, L. R., 4, 57.  
Dill, H. H., 205.  
Dixon, J. S., 135.  
Dodge, C. H., 304.  
Dorney, R. S., 171, 172.  
Dougherty, E. C., 358.  
Dozier, H. L., 5.  
Dressen, E., 131.  
Dubinin, V. B., 359.  
Dubost, G., 7.  
Dunne, H. W., 403.  
Durr, S. M., 8.  
Eadie, W. R., 472.  
Eads, R. B., 360, 361, 393, 434.  
Earnshaw, F. L., 535, 536, 537, 538, 543,  
544, 559, 560, 561, 562, 563.  
Eaton, R. L., 240.  
Edwards, J. L., 473.

- Eklund, C. R., 545.  
Elder, W. H., 232.  
Ellis, R. J., 107.  
Enders, R. K., 323, 324.  
Erickson, A. B., 241, 597.  
Evans, B. R., 362.  
Evans, C. A., 374.  
Evans, F. C., 242.  
Fabre, H., 363.  
Fenstermacher, R., 426.  
Ferris, D. H., 398.  
Fields, P. E., 287.  
Fishman, I. Y., 301.  
Flakas, K. G., 364.  
Flower, S. S., 173.  
Flower, W. H., 258.  
Folk, G. E., Jr., 304.  
Folk, Mary A., 304.  
Forster, A., 259.  
Fox, G. R., 9.  
Fox, I., 365.  
Fox, R., 366.  
Francis, C. S., 10.  
Frye, O. E., 564.  
Fuller, H. S., 455.  
Funderburg, J. B., 367.  
Gabrielson, I. N., 11.  
Gale, L. R., 474, 546, 547, 548, 549.  
Gall, Alice Crew, 132.  
Gallati, W. W., 368.  
Galton, M. M., 415, 416.  
Gander, F. F., 318.  
Gates, C. G., 550.  
George, J. L., 319.  
Gidley, J. W., 12.  
Gifford, Rebecca, 369.  
Giles, L. W., 174, 175, 217, 218, 219.  
Gilmore, R. M., 13.  
Glazcher, W. C., 353.  
Goldman, E. A., 23, 24, 25, 26, 27, 133.  
Golodushko, B. Z., 475.  
Goodwin, G. G., 58, 134.  
Corman, G. W., 413, 415, 416, 417.  
Goss, L. J., 370, 371, 598.  
Graves, E. F., 476.  
Green, R. G., 372, 373, 374.  
Griffo, J. V., 406.  
Grimes, F. G., 543, 544, 551, 578.  
Grimes, J. E., 361.  
Grinnell, J., 135.  
Griswold, Anne L., 429.  
Guilday, J. E., 260.

- Gunn, Joyce, 17.  
Gysel, L. W., 176.  
  
Habermann, R. T., 375, 402.  
Hall, Anna D., 415.  
Hall, E. R., 14, 71, 261, 477.  
Halloran, Patricia O'Connor, 376.  
Hamerstrom, F. N., Jr., 108.  
Hamerton, A. E., 599.  
Hamilton, W. J., Jr., 59, 136, 137, 138,  
220, 221, 222, 223.  
Hammit, H. C., 592.  
Hanson, R. P., 398.  
Hardiman, C. W., 301.  
Hardy, M., 139.  
Hardy, Thora M. Plitt, 6.  
Harkema, R., 377, 378, 379, 380, 381,  
382, 383, 384, 385, 419.  
Harrington, Lyn, 140.  
Haugen, A. O., 177.  
Haugen, O. L., 178.  
Hayes, F. A., 397.  
Helmboldt, C. F., 386, 429.  
Hendrickson, G. O., 166, 224.  
Herman, C. M., 350, 375, 387, 388,  
394, 400, 401, 402.  
  
Hewitt, C. G., 60.  
Hibbard, E., 552.  
Hill, J. E., 61.  
Hitchcock, L., Jr., 288.  
Holdenried, R., 242.  
Hollister, C. J., 351.  
Hubbard, E. D., 458.  
Huey, L. M., 15.  
Huggins, E. J., 389, 390.  
Hughes, R. C., 391.  
Hulse, D. C., 465.  
Huntington, G. S., 262.  
  
Ingersoll, E., 141.  
Ingram, W. M., 392.  
Innis, H. A., 553.  
Irons, J. V., 393.  
Ivey, R. D., 62.  
  
Jackson, C. F., 63.  
Jacobs, G. J., 305.  
Jacobs, L., 394.  
Jaeger, E. C., 600.  
Jameson, E. W., Jr., 395, 427.  
Jarnevich, N., 338.  
Jennings, W. L., 442.

- Johnson, A. D., 396.  
Johnson, C. E., 64.  
Johnson, C. W., 393.  
Johnson, J. I., 282.  
Johnson, J. I., Jr., 263, 289, 290,  
291.  
Johnson, R. H., 179.  
Jones, G., 65.  
Jordan, Helen E., 397.  
Jungherr, E., 369.  
Jungherr, E. L., 386.  
  
Kaplan, W., 414.  
Karstad, L. H., 398.  
Keefe, J., 180.  
Kellner, W. C., 66, 478.  
Kelson, K. R., 14.  
Kennamer, E. F., 67, 554.  
Kennedy, A. H., 264, 405.  
Kennicott, R., 68.  
Kilham, L., 399, 400, 401, 402.  
Klatt, B., 306.  
Knable, A., 256.  
Koch, W., 266.  
Kolesnikow, W. W., 267.  
Komarek, E. V., 69.  
  
Körner, F., 268.  
Kradel, D. C., 403.  
Krembs, J., 404.  
Kresse, J. I., 351.  
Krogsdale, Joanna T., 418.  
Kuechle, V. B., 111.  
Kurbatov, V. P., 479.  
  
Lantz, D. E., 555, 556, 557, 558.  
Law, R. G., 405.  
Lawyer, G. A., 559, 560, 561, 562, 563.  
Lay, D. W., 564.  
Layne, J. N., 70, 406.  
Lee, Hong-Fang, 407.  
Legler, E., Jr., 565.  
Leidy, J., 409.  
Leigh, W. H., 410.  
Leopold, A. S., 71.  
Lewis, A. L., 442.  
Lewis, J. B., 72.  
Linduska, J. P., 181.  
Linsdale, J., 73, 135.  
Little, C. C., 480.  
Livesey, P. J. 320.  
Llewellyn, L. M., 206, 225, 243, 321,  
322, 323, 324.

- Long, C. A., 16.  
Lopinnot, A. C., 244.  
Lord, R. D., Jr., 109.  
Lumsden, H. G., 566.  
Lyall-Watson, M., 292.  
  
Maar, R. D., 601.  
Mangold, R. E., 182.  
Mann, S. A., 17.  
Manville, R. H., 74.  
Maples, W. P., 340.  
Markley, M. H., 6.  
Marshak, R. R., 351.  
Marshall, W. H., 183, 228.  
Martin, E. D., 481, 482.  
Martin, R. L., 269.  
Matikaschwili, I. L., 457.  
McAtee, W. L., 75.  
McDermid, A. M., 411.  
McGrew, P. O., 270.  
McKean, W. T., 226, 227.  
McKeever, S., 325, 412, 413, 414,  
    415, 416, 417.  
McKinley, D., 76.  
McLaughlin, J. H., 483.  
  
McMahon, C. A., 567.  
McMullen, H. J., 123.  
McNeil, C. W., 418.  
McNutt, S. H., 355.  
Mearns, F. A., 18.  
Mech, L. D., 110, 111, 184, 185, 186, 271.  
Menzies, G. C., 361.  
Michels, K. M., 288, 290, 291, 295.  
Millard, C., 326.  
Miller, F. W., 19.  
Miller, G. C., 378, 379, 380, 381, 382,  
    383, 384, 385, 419.  
Miller, G. S., Jr., 20, 77.  
Miller, M. J., 420.  
Mohr, C. O., 568, 569.  
Montgomery, G. G., 112, 113.  
Moody, M. D., 417.  
Moore, D. V., 421.  
Moore, J. C., 73, 187.  
Morgan, B. B., 422, 443.  
Morlan, H. B., 423.  
Mosby, H. S., 142.  
Mouquet, A., 159.  
Mukhtarov, R. D., 21.

- Nagel, W. O., 46, 188, 570, 571.
- Nassif, B. D., 353.
- Neiland, K. A., 446.
- Neill, W. T., 424, 593.
- Nelson, E. W., 22, 23, 24, 25,  
26, 27.
- Nelson, Florence, 143.
- Nelson, F. P., 484.
- Neseni, R. von, 602.
- Newberne, J. W., 440.
- Newman, C. C., 156, 211.
- Nicholson, W. R., 245.
- Noren, C. R., 79, 80.
- Norman, Lois, 413.
- Norris, Margaret Ann, 393.
- Ohta, K., 307.
- Olsen, O. W., 426.
- Olsen, P. F., 425.
- Orr, R. T., 603.
- Osebold, J. W., 427.
- Osgood, F. L., Jr., 81.
- Pankratev, A. G., 485.
- Parmalee, P. W., 260.
- Parsons, F. G., 283.
- Pellett, F. C., 99.
- Penner, L. R., 428, 429.
- Peterson, R. L., 572.
- Petrides, G. A., 189, 190, 191.
- Phillips, W. G., 362.
- Pistey, W. R., 430.
- Pocock, R. I., 272.
- Pope, C. H., 326, 604.
- Powers, D. K., 416.
- Preble, N. A., 82, 486, 487.
- Price, D. L., 388, 431, 432.
- Price, E. W., 433.
- Pubois, B. H., Jr., 282.
- Quinn, G., 573.
- Quist, K. D., 434.
- Rand, A. L., 83.
- Ratcliffe, H. L., 167.
- Rausch, R., 114, 346, 435.
- Rawley, E. V., 574.
- Rearden, J. D., 246.
- Redford, Polly, 84.
- Reilly, J. R., 436, 437.
- Remington, J., 575.
- Rennels, R. G., 591.

- Richards, C. S., 438.  
Rinker, G. C., 273.  
Riopelle, A. J., 293.  
Robinson, T. S., 28.  
Robinson, V. B., 440.  
Röhrs, H. D., 605.  
Rubin, R., 357.  
Rue, L. L., III, 144.  
Rukovskij, N. N., 29, 488.  
Russell, L., 489, 490.  
Rust, H. J., 85.  
  
Sampson, F., 576.  
Sanderson, G. C., 2, 86, 87, 115,  
116, 145, 193, 194, 274, 328,  
606..  
Sawyer, T. K., 441.  
Saxer, E., 459.  
Scatterday, J. E., 442.  
Scheffer, V. B., 88, 491.  
Schildmar, G., 577.  
Schiller, E. L., 443.  
Schlumberger, H. G., 275.  
Schmidt, F. J. W., 30.  
Schneider, N. J., 442.  
Schoening, H. W., 444.  
Schoonmaker, W. J., 89.  
Schoonover, L. J., 90, 228.  
Schubert, J. H., 417.  
Schultz, V., 91, 308.  
Schwartz, B., 445.  
Schwartz, C., 92.  
Schwartz, Elizabeth, 92.  
Scott, T. G., 93.  
Scott, W. E., 607.  
Scudder, H. I., 241.  
Seidenstein, S., 298.  
Seifried, O., 404.  
Senger, C. M., 446.  
Seton, E. T., 31, 146, 147.  
Severtsova, S. A., 195.  
Shaffer, C. H., 94.  
Shanks, D. A., 196.  
Sharp, Louise H., 197.  
Sharpe, W. M., 197.  
Sheldon, H. P., 578.  
Shell, W. F., 293.  
Sherman, H. B., 492.  
Shillinger, E. A., 372, 373.  
Shiras, G., III, 148, 608.  
Shufeldt, R. W., 32, 149, 276.

- Shultz, G., 427.  
Siegler, H. R., 447.  
Siniff, D. B., 118,  
Smith, W. P., 198,  
Sollberger, D. E., 101.  
Sonntag, C. F., 277, 278, 309.  
Soper, J. D., 33, 34, 35.  
Sowls, L. K., 199.  
Spurrell, J. A., 36.  
Stabnow, E. F., 493.  
Stains, H. J., 95, 200, 201, 579.  
Stanley, Anastasia M., 394.  
Stefanski, W., 448.  
Stephens, J., 150.  
Steppe, R., 151.  
Stevenson, L., 494.  
Stewart, M. A., 449.  
Stilwell, H., 236.  
Stitt, M., 319.  
Stone, W., 152.  
Story, H. Elizabeth, 279.  
Stuber, J. W., 495.  
Stuewer, F. W., 202, 203, 204, 247,  
329, 496, 497.  
Sundell, R. A., 117.  
Sutton, R. W., 37.  
Sylvester, W., 44.  
Tcheng, Kuo-Tchang, 280.  
Tester, J. R., 111, 118, 184, 186, 229.  
Tevis, L., Jr., 294.  
Thackray, R. I., 295.  
Thomas, E. M., 96, 97.  
Thomas, R. M., 606.  
Thorgersen, H. L., 296.  
Trainer, D. O., 353.  
Trainer, D. O., Jr., 450.  
Trautman, M. B., 98.  
Tulenko, P., 609.  
Turkowski, F. J., 185.  
Twichell, A. R., 205, 580, 581,  
Tyson, E. L., 230.  
Uhler, F. M., 206, 225.  
Underwood, A. B., 153.  
Van Hyning, T., 99.  
Vaughan, T. A., 100.

- Walker, O. L., 393.  
Walknowska, Janina, 610.  
Wallace, F. G., 451.  
Waller, E. F., 422, 452.  
Walton, B. C., 453, 454.  
Warner, D. W., 111, 186.  
Watson, M., 281.  
Webster, C. G., 243.  
Welker, W. I., 298, 310.  
Welker, W. T., 282.  
Welter, W. A., 101.  
Werner, W. E., Jr., 265.  
Wharton, G. W., 455.  
Whitney, L. F., 153, 207, 299, 582,  
    583, 584.  
Wijngaarden, A. Van, 102.  
Wilber, C. G., 311.  
Wilder, N., 208, 498.  
Wilke, F., 211.  
Williams, F. P., Jr., 375.  
Williams, R. R., 456.  
Wilson, K., 585.  
Wilson, K. A., 248, 249, 586.  
Windle, B. C. A., 283, 284.  
Winkelmann, R. K., 285.  
Wiseman, J. S., 361.  
Woehler, E. E., 499.  
Wood, F. E., 103.  
Wood, J. E., 209, 231, 330.  
Wood, N. A., 104.  
Wright, Mabel Osgood, 154.  
Yakimoff, W. L., 457.  
Yanamura, H. Y., 374.  
Yeager, L. E., 210, 232, 541, 587, 588,  
    589, 590, 591, 592.  
Zarnowski, E., 448.  
Zeches, R. F., 331, 500.  
Zeches, R. I., 233, 501.  
Zimmerman, W. J., 458.  
Zistel, Era, 155.  
Zollman, P. E., 285.  
Zschokke, W., 459.

REGIONAL INDEX

- Arctic prairies, 31.
- Bahamas, 3, 76, 77, 492.
- Belorussia, 475.
- Brazil, 19.
- Canada, 35, 60, 342, 420, 494, 553.
  - Alberta, 34.
  - British Columbia, 545.
  - Manitoba, 37, 146, 199.
  - Nova Scotia, 83.
  - Ontario, 33, 395, 566, 572.
  - Saskatchewan, 8, 10, 17.
- France, 7.
- Mexico, 15, 18, 23, 26, 45, 363.
- Netherlands, 102.
- North America, 1, 14, 133, 149, 348, 357.
- Russia (U. S. S. R.), 2, 21, 84, 471, 479, 486.
- Salvador, 26.
- United States of America, 513, 514, 515, 516, 517, 518, 519, 520, 521, 528, 530, 533, 534.
  - Alabama, 67, 425, 554.
  - Alaska, 491.
  - Arizona, 15, 49.
  - Arkansas, 56.
  - California, 12, 100, 135, 234, 242, 294.
  - Colorado, 229, 589, 592.
  - Connecticut, 58, 369, 429.
  - Florida, 22, 62, 78, 380, 381, 383, 406, 410, 413, 414, 417, 424, 442, 593.
  - Georgia, 336, 337, 397, 413, 414, 416, 417, 423, 441.
  - Idaho, 85.
  - Illinois, 53, 68, 70, 103, 210, 232, 541, 568, 569, 588, 591, 601.
  - Indiana, 75.
  - Iowa, 11, 36, 86, 87, 93, 99, 166, 182, 213, 217, 218, 219, 458, 510, 512.
  - Kansas, 57, 95, 579.
  - Kentucky, 44, 59, 101, 546, 547.
  - Maine, 74, 179.
  - Maryland, 225, 362, 387, 453, 454.
  - Massachusetts, 54.
  - Michigan, 48, 104, 177, 181, 202, 204, 212, 215, 319, 329, 346, 696, 504.

Minnesota, 40, 50, 64, 183, 228,  
389, 390.  
Mississippi, 542, 587.  
Missouri, 46, 71, 73, 79, 80, 92, 169,  
192, 194, 505, 570, 571, 580, 581,  
609.  
Montanna, 28.  
Nebraska, 352.  
New Hampshire, 63, 447.  
New Jersey, 52.  
New Mexico, 61.  
New York, 222, 223, 347, 449.  
North Carolina, 38, 248, 249, 367,  
377, 379, 419, 586.  
North Dakota, 42, 51, 226, 227, 390,  
439.  
Ohio, 82, 98, 333, 470, 482, 486, 487,  
495, 539.  
Oklahoma, 65, 506.  
Oregon, 43, 446, 507.  
Pennsylvania, 13, 89.  
South Carolina, 25, 55, 382, 384.  
Tennessee, 91.  
Texas, 41, 209, 211, 231, 330, 343,  
345, 353, 360, 361, 377, 393,  
434, 564.

Utah, 574.  
Vermont, 81, 198.  
Virginia, 66, 72, 94, 478, 483.  
Washington, 4, 83, 90, 230, 418,  
508.  
West Virginia, 47.  
Wisconsin, 30, 39, 53, 69.  
Wyoming, 97.  
Yuzhnoe Primore, 485.