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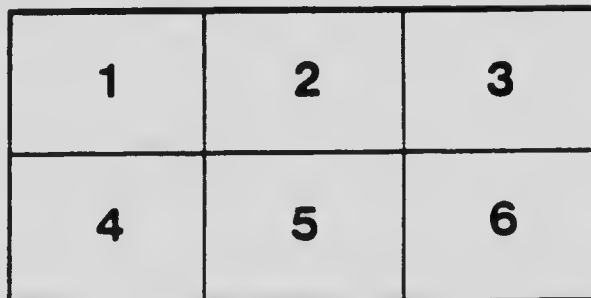
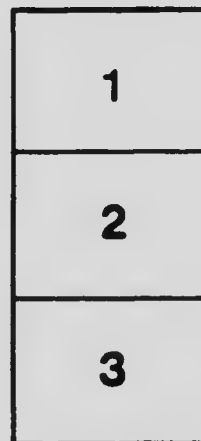
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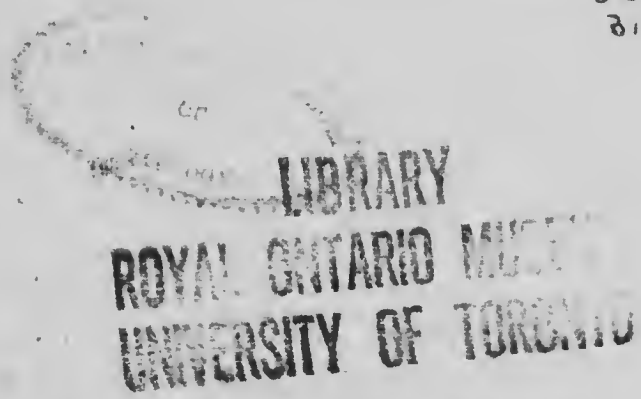
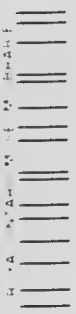
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**BIBLIOGRAPHY OF CANADIAN ZOOLOGY
FOR 1912**

By

LAWRENCE M. LAMBE, F.G.S., F.G.S.A.

OTTAWA

PRINTED FOR THE ROYAL SOCIETY OF CANADA

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Read May 27, 1911

IN ALBIBRATA

GREENBERGA ZOOPHYTES

McMURICH, J. PLAYFAIR.

Notes on the Zoophytes occurring in the neighbourhood of the Biological Station, St. John's, N. B.
 Contributions to Canadian Zoology. Marine Biological Stations of Canada, 1907, vol. 1, 1912, pp. 33-35.

BRYOZOA-POLYZOON

OSBURN, RAYMOND C.

Bryozoa from Labrador, Newfoundland and Nova Scotia, collected by Dr. Owen Bryant.
 Proceedings of the United States National Museum, 1912, vol. 43, pp. 275-289, pl. 31, with bibliography.

M. J. J.

BARRER, PAUL

Additions to the West American Pyramidellid Mollusk fauna, with descriptions of new species.
 Proceedings of the United States National Museum, 1912, vol. 42, pp. 261-289, plates 35-38.
 Among the species are some from the coast of British Columbia.

A zoogeographic study based on the Pyramidellid mollusk fauna of the west coast of America.
 Iden., 1912, vol. 42, pp. 297-349.
 Gives the geographical range of each species, with a map of the principal provinces. In the North Temperate province is included the waters of the British Columbia coast.

KLAMP, ERNEST

Report on Oyster Culture by the Department, prepared for the session of 1911, Appendix No. 17, 45th Annual Report, Department of Marine and Fisheries, 1911-12, Fisheries, pp. 313-347, 1912.

Sec. IV, 1913-12

L., F. R. (LATCHFORD).

Notes—Conchological and otherwise.

The Ottawa Naturalist, March, 1912, vol. XXV, No. 12, pp. 189-190.

Refers to his discovery, in Renfrew county, Ont., of specimens of *Musculium* described in the January number of *Nautilus* by Dr. Sterki under the name *M. declive*.

MACBRIDE, E. W.

Oyster culture and clam fishing, Prince Edward island.

Contributions to Canadian Biology (Marine Biological Stations of Canada, 1906-1910), 1912, pp. 217-220.

MATHIESON, J. A.

Oyster fisheries of Prince Edward island.

Commission of Conservation, Canada: Sea-fisheries of eastern Canada, 1912, pp. 78-85.

STAFFORD, J.

Conservation of the Oyster.

Idem, 1912, pp. 25-49, with one plate, and a diagram illustrating the oyster production in Canada from 1871-1911.

On the recognition of bivalve larvæ in plankton collections.

Contributions to Canadian Bio. (Marine Biological Stations of Canada, 1906-1910), 1912, pp. 221-242, pls XX-XXIV.

Supplementary observations on the development of the Canadian oyster.

The American Naturalist, January, 1912, vol. XLVI, No. 511, pp. 29-40.

STERKI, V.

Musculium declive, n. sp.

The *Nautilus*, January, 1912, vol. XXV, No. 9, pp. 83-101.

See Latchford, F. R.

ARTHIPODA (ARTICULATES).

CALMAN, WILLIAM T.

The Crustacea of the order Cinnacra in the collection of the United States National Museum.

Proceedings of the United States National Museum, 1912, vol. 44, pp. 603-676, text-figures 1-12, with bibliography.

Includes a number of species obtained from Canadian Atlantic waters.

FOUND, W. A.

The Lobster fishery of Canada.

Commission of Conservation, Canada: Sea-fisheries of eastern Canada, 1912, pp. 50-77.

HADDON, KATHLEEN

Hersedia (*Clausidium*) *vancouverensis*.

Annals and Magazine of Natural History, July, 1912, vol. 40, eighth series, No. 55, pp. 84-86, pl. 41, figs. 1-3a.

Describes the above-mentioned species found abundantly in the gill chambers, and over the body, of *Callinectes pagurus* at Hammond bay, near Nanaimo Vancouver Island, B.C.

MACDONALD, D. I.

On a collection of crustacean made at St. Andrews, N. B.
Contributions to Canadian Biology—Marine Biological Stations of Canada, 1906-1910, 1912, pp. 83-84.

MILLER, F. R.

Contributions to the physiology of the American lobster—The Physiology of the intestine
Idem, 1912, pp. 277-280, pls. XXX-XXXX.

SCOTT, FLORENCE

On a species of Nymphon from the north Pacific
Annals and Magazine of Natural History, August, 1912, vol. 10, eighth series, No. 56, pp. 206-209, pl. VII, figs. 1-11.
Nymphon paxilla sp. nov. is described from Departure bay Vancouver island, B.C.

TAYLOR, GEORGE F.

Preliminary list of one hundred and twenty-nine species of British Columbia decapod crustaceans
Contributions to Canadian Biology—Marine Biological Stations of Canada, 1906-1910, 1912, pp. 187-214.

WILSON, CHARLES BRANCH

Parasitic copepods from Nanaimo, British Columbia, including eight species new to science.
Idem, 1912, pp. 85-101, pls. III-IX.

Tunicata

HUTCHINSON, A. G.

Ascidians from the coasts of Canada
Transactions of the Canadian Institute, May, 1912, vol. IX, part 2, No. 21, pp. 411-418.
The ascidians described or referred to in the above paper were obtained at the two marine Biological stations of Canada, in 1908 and 1909 at Departure bay, British Columbia, and in 1910 at St. Andrews, New Brunswick. In the west collections were also made at Lechelt on the outer coast of Vancouver island.
Holosomatous ascidians from the coast of western Canada
Contributions to Canadian Biology—Marine Biological Stations of Canada, 1906-1910, 1912, pp. 103-185, pls. X-XI.
Describes two genera and seventeen species as new.

VAN NAME, WILLARD G.

Simple Ascidians of the coasts of New England and neighboring British provinces.
Proceedings of the Boston Society of Natural History—August, 1912, vol. 31, No. 13, pp. 159-649, plates 13-73, with 43 text figures, and a bibliography.

The region dealt with extends from the Gulf of St. Lawrence and the Banks of Newfoundland southward to and including Long Island Sound.

VERTEBRATA.

PISCES (Fishes).

BERKE, CHARLES VICTOR.

A new genus and six new species of fishes of the family Cyclogasteridae. Proceedings of the United States National Museum, 1912, vol. 43, pp. 567-571.
Among the new species described is *Caryproctus gilberti*, found in British Columbian and southeastern Alaskan waters.

CORNISH, GEORGE A.

Notes on fishes of English, Prince Edward Island. Contributions to Canadian Biology (Marine Biological Stations of Canada, 1906-1910), 1912, pp. 78-81.

FOUND, W. A.

Fish culture in Canada. Commission of Conservation, Canada: Seafisheries of eastern Canada, 1912, pp. 110-119.

GILMART, CYRILS H.

A new genus and species of cottoid fish from Departure bay, Vancouver Island. Contributions to Canadian Biology (Marine Biological Stations of Canada, 1906-1910), 1912, pp. 215-216.
Describes *Asemichthys taylori*, gen. et sp. nov.

McGillivray, T. H. — See PRINCE.

PARTON, M. J.

White fish of the Great Lakes. Commission of Conservation, Canada: Seafisheries of eastern Canada, 1912, pp. 13-24, with four maps shewing white fish areas.

PRINCE, E. E.

The Shad fishery of Canada. *Idea*, 1912, pp. 120-139.

PRINCE, E. E., McGUIRE, T. H., SISLEY, E.

Dominion Alberta and Saskatchewan Fisheries Commission, 1910-11. Report and recommendations with appendices, 1912.

RODD, J. A.

Fish breeding. Appendix No. 19, 15th Annual Report, Department of Marine and Fisheries, 1911-12. Fisheries, pp. 351-368. — 2.

SISLEY, E. — See PRINCE.

AMPHIBIA

CAMERON, T. W.

Food habits of the Hellbender

The Ontario Natural Science Bulletin, No. 7, 1912, pp. 67-71

AVES—Birds

ALLAN, JOHN, JR.

The Yellow-breasted Chat at Amherst, Ontario

Ibidem, No. 7, 1912, pp. 50-61

The White-breasted and Red-breasted Nuthatches

Bird-Lore, September-October, 1912, vol. XIV, No. 6, pp. 316-319, with coloured plate

ALLEN, FRANCIS H.

The White-breasted and Red-breasted Nuthatches

Bird-Lore, September-October, 1912, vol. XIV, No. 6, pp. 316-319, with coloured plate

ARNDT, EDWARD

A bird's summer outing in Newfoundland

The Auk, January, 1912, vol. XXIX, No. 1, pp. 12-79

The writer gives the results of his study of bird life on the island and supplies a list of sixty-eight observed species

BANKS, OTTAVIUS

A new sub-species of the Ruffed Grouse

Ibidem, July, 1912, vol. XXIX, No. 3, pp. 378-379

Description of *Bonasa umbellus thayeri*, subsp. nov., type from Digby, Nova Scotia

BEAL, F. T. L. and McVILL, W. L.

Food of some well-known birds of forest, farm, and garden

U. S. Department of Agriculture, Farmers' Bulletin, 506, September 25, 1912, pp. 1-35, with 16 text figures

BEAL, F. T. L. — See McVILL

BENT, A. C.

A new subspecies of Crossbill from Newfoundland

Smithsonian Miscellaneous Collections, December 12, 1912, vol. 60, No. 15, pp. 1-3

Describes *Loxia curvirostra borealis*, the Newfoundland Crossbill

BROOKS, ALLAN

Some British Columbia records

The Auk, April, 1912, vol. XXIX, No. 2, pp. 252-253

Furnishes notes on ten species of birds observed principally at Okanagan

BROWN, W. J.

Unusual nesting site of the Pigeon Hawk in Newfoundland.

The Ottawa Naturalist, Aug.-Sept., 1912, vol. XXVI, Nos. 5 and 6 pp. 70-71

Additional Notes on the Birds of Newfoundland.

Idem, November, 1912, vol. XXVI, No. 8, pp. 93-98

A list of the birds observed includes fifty species. A note of warning is given concerning the ruthless destruction of both coast and inland birds.

CAMERON, F. W.

Notes on the winter birds at Guelph, Ontario, in 1911-12.

The Ontario Natural Science Bulletin, No. 7, 1912, pp. 61-62

Spring bird notes from Oakville, Ontario.

Idem, No. 7, 1912, p. 61

CAMERON, J. L.

Bird Notes, 1912.

The Ottawa Naturalist, December, 1912, vol. XXVI, No. 9, p. 115

A brief notice of birds observed in February and March in the county of Middlesex, and in Victoria county, in August

C. F. M. (FRANK M. CHAPMAN).

Bird-Lore's twelfth Christmas-bird census.

Bird-Lore, January-February, 1912, vol. XIV, No. 1, pp. 18-44

Includes the results of observations in the province of Ontario at Guelph, Homings Mills, London, Millbrooke, Reaboto, Toronto, High Park and Hunter Bay, and in British Columbia at Okanagan Landing and Vancouver.

CHAPMAN, FRANK M.

Notes on the plumage of North American sparrows. Thirteenth paper. Idem, January-February, 1912, vol. XIV, No. 1, pp. 17-18, with coloured frontispiece.

Descriptive of Crossbill (*Loxia curvirostris*) and of White-winged Crossbill (*Loxia leucoptera*).

Notes on the plumage of North American birds. Fourteenth paper.

Idem, March-April, 1912, vol. XIV, No. 2, pp. 105-106, with coloured frontispiece.

Descriptive of the plumage of the White-throated sparrow (*Zonotrichia albicollis*), the White-crowned sparrow (*Zonotrichia leucophrys*), and the Black-chinned sparrow, the last a resident of the western United States.

Notes on the plumage of North American sparrows. Fifteenth paper.

Idem, May-June, 1912, vol. XIV, No. 3, p. 162, with coloured frontispiece.

Describes the plumage of the Black-headed Grosbeak (*Zamelodia melanocephala*) and of the Rose-breasted Grosbeak (*Z. ludoviciana*).

Notes on the plumage of North American sparrows. Seventeenth paper.

Idem, September-October, 1912, vol. XIV, No. 5, p. 290, with coloured frontispiece.

- The Towhee *Pipilo e. erythrolithosus* and the Arctic Towhee *Pipilo norvolutus arcticus*.
Notes on the plumage of North American sparrows. Eighteenth paper.
Idem, November-December, 1912, vol. XIV, No. 6, p. 336, 1 text-coloured frontispiece.
Pine Grosbeak *Pinicola enucleator*.
- Handbook of birds of eastern North America. With introductory letters on the study of birds in nature.
Revised edition, New York and London, 19, Appleton, 1913, pp. XXX + 530, 24 plates in colours, and black and white, 1 map, 1 colour chart, 136 text figures, 12 mo.

COOKE, WELLS W.

- The peculiar migration of the Evening Grosbeak.
Journal of the Washington Academy of Science, January, 19, 1912, vol. II, No. 2, pp. 60-62, with map showing distribution, 12 x 14.
- The migration of North American sparrows. Fourteenth paper.
Bird-Lore, January-February, 1912, vol. XIV, No. 1, pp. 45-47.
Relative to the Red Cross-bill and the White-winged Cross-bill.
- The migration of North American sparrows. Fifteenth paper.
Idem, March-April, 1912, vol. XIV, No. 2, pp. 98-105.
Gives the seasonal autumn migration of the White-crowned sparrow, the White-throated sparrow, and the Black-chinned sparrow, the last method not coming as far north as Canada.
- The migration of North American sparrows. Sixteenth paper.
Idem, May-June, 1912, vol. XIV, No. 3, pp. 158-161.
Black-headed Grosbeak and Rose-breasted Grosbeak.
- The migration of North American sparrows. Eighteenth paper.
Idem, September-October, 1912, vol. XIV, No. 5, pp. 287-290.
The Towhee and the Spotted Towhee.
- The migration of North American sparrows. Nineteenth paper.
Idem, November-December, 1912, vol. XIV, No. 6, pp. 345-346.
Pine Grosbeak.
- Passenger Pigeon *Ectopistes migratorius* in Alberta.
The Auk, October, 1912, vol. XXIX, No. 4, p. 539.
Quotes from the Earl of Southesk: "Saskatchewan and the Rocky Mountains," as regards the shooting of pigeons near Tolstuck river.

CRIDDLE, NORMAN

- Popular and Practical Ornithology. II. The Marsh Hawk.
The Ottawa Naturalist, January, 1912, vol. XXV, No. 10, pp. 117-141.
- Popular and Practical Ornithology. III. The Upland Plover.
Idem, Aug.-Sept., 1912, vol. XXVI, No. 5 and 6, pp. 61-65.

DALE, MELVILLE. See WATSON

DEARBORN, NED

- The English Sparrow as a pest.
U. S. Department of Agriculture, Farmer, Bulletin 193, April, 20, 1912, pp. 1-21, with 17 text figures.

PARTY, T. I.

Camrose, Alberta, Bird notes.

The Ottawa Naturalist, October, 1912, vol. XXV, No. 7, p. 92.
Records the occurrence of the Red breasted Nut-hatch, the Blue Jay
and the Magpie in the Camrose-Lacombe district.

FLEMING, J. H.

The Ancient Murrelet (*Synthliboraphos antiquus*) in Ontario.

The Auk, July, 1912, vol. XXIV, No. 3, pp. 287-388.

The Niagara Swan Trap.

Idem, October, 1912, vol. XXIX, pp. 115-118.

FORBUSH, EDWARD HOWE

The Chickadee.

Bird-Lore, November-December, 1912, vol. XIV, No. 6, pp. 372-375, with coloured plate.

GRINNEI, JOSEPH.

The Willow Ptarmigan.

Idem, November-December, 1912, vol. XIV, No. 6, pp. 376-379, with
coloured plate.

GROH, HERBERT.

The Bartramian Sandpiper breeds near Guelph.

The Ontario Natural Science Bulletin, No. 7, 1912, pp. 38-40.

JEWETT, STANLEY G.

Stray notes from New Brunswick.

The Auk, April, 1912, vol. XXIX, No. 2, pp. 251-252.

On six species of birds at or near Fredericton.

JONES, LYONS.

A study of the Avifauna of the Lake Erie islands. With particular refer-
ence to the migration phenomena.

The Wilson Bulletin, March, 1912, vol. XXIV, No. 1, pp. 6-18; and
June, No. 2, pp. 95-108.

A study of the Avifauna of the Lake Erie islands. The birds of Pelee
island, Ontario, Canada.

Idem, September, 1912, vol. XXIV, No. 3, pp. 142-153; and December,
No. 4, pp. 171-186.

KLEGG, A. B.

A late migration of the Evening Grosbeak in Ontario.

The Ontario Natural Science Bulletin, No. 7, 1912, p. 62.

MACNAMARA, CHARLES.

The Canadian Ruffed Grouse.

The Ottawa Naturalist, November, 1912, vol. XXVI, No. 8, pp.
101-102.

- McATEE, W. L. and BEAL, F. L. L.
Some common Game, Aquatic, and Rapacious Birds in relation to Man.
U.S. Department of Agriculture, Farmers' Bulletin 197, May 6, 1912,
pp. 1-30, with 11 text figures.
The majority of the birds mentioned are found in Ontario during part
of the year.
- McATEE, W. L. See BEAL
- MOORE, ROBERT THOMAS.
The Least sandpiper during the resting season in the Magdalen Islands.
The Auk, April, 1912, vol. XXIX, No. 2, pp. 240-253, plate XIII and
XIV.
- NOBLE, J. W.
A clipping Sparrow's nest on the ground.
The Ontario Natural Science Bulletin, No. 7, 1912, p. 62.
A large colony of Bank Swallows' nests.
Idem, No. 7, 1912, p. 63.
- OBERHOLSER, HARVEY C.
A revision of the subspecies of the Green Heron (*Butorides virescens*
[Linnaeus]).
Proceedings of the United States National Museum, 1912, vol. 42,
pp. 529-577.
The northern limit of the range of *Butorides virescens prescottii* (Lin-
naeus) is given as southeastern Canada from Nova Scotia to south-
eastern Ontario.
A revision of the forms of the Great Blue Heron (*Ardea herodias* Linnaeus).
Idem, 1912, vol. 43, pp. 531-559.
- RILEY, J. H.
Birds, collected or observed on the expedition of the Alpine Club of Canada
to Jasper park, Yellowhead pass, and Mount Robson region.
The Canadian Alpine Journal, special number, 1912, pp. 47-75.
- ROBERTS, THOMAS S.
The Yellow-headed Blackbird.
Bird-Lore, July-August, 1912, vol. XIV, No. 4, pp. 250-274, with
coloured plate.
- SAUNDERS, W. E.
The Yellow-breasted Chat and the Carolina Wren in Ontario.
The Ottawa Naturalist, January, 1912, vol. XXV, No. 10, pp. 152-153.
Harris's Sparrow in Ontario.
Idem, November, 1912, vol. XXVI, No. 8, pp. 100-101.
- SPEECHLY, H. M.
The Gray or Arkansas King Bird.
Idem, March, 1912, vol. XXV, No. 12, p. 188.
A note on the occurrence of the above bird at Pilot Mound, Man.

SWARTEL, H. S.

A visit to Nootka sound.

The Condor, January-February, 1912, vol. XIV, No. 1, pp. 15-21, figs. 8-11 (landscape views).

Gives a list of 45 birds seen at Nootka sound, Vancouver island, B.C., between 23 July and 11 August.

TAVERNER, P. A.

Two interesting records for Canada

The Auk, July, 1912, vol. XXIX, No. 3, pp. 396-397.

The subjects of this notice are three specimens of *Argemone n. adum* (Ridg.), the Meridian Sandpiper, taken by Wm. Spreadborough at Clayquot, Vancouver Island, B.C., May 11, 1907, and two young specimens of *Scotiapter. nebulosa* (Forster), the Great Gray Owl, taken by Mr. Kelly, mayor of Powassan, Ont., in Chisholm township east of Lake Nipissing.

TERRELL, E. McL.

Bird Notes.

The Ottawa Naturalist, Aug-Sept., 1912, vol. XXVI, Nos 5 and 6, pp. 71-71

The writer refers to the winter visitors, and lists the spring arrivals from 10 March to 8 April, in the Montreal district during 1912.

TOWNSEND, CHARLES W.

Notes on the summer birds of the St. John valley, New Brunswick.

The Auk, January, 1912, vol. XXIX, No. 1, pp. 16-23.

Lists eighty-one species, with notes.

The validity of the Red-legged subspecies of Black duck.

Idem, April, 1912, vol. XXIX, No. 2, pp. 176-179.

WALTER, ALICE HALL.

The Hairy and Downy Woodpeckers.

Bird-Lore, March-April, 1912, vol. XIV, No. 2, pp. 127-130, with coloured plate.

WATSON, C. G. and DALE, MELVILLE.

Records from London, Ont.

Idem, May-June, 1912, vol. XIV, No. 3, p. 166.

WHEELER, DAVID E.

Notes on the spring migration at timber line, north of Great Slave lake.

The Auk, April, 1912, vol. XXIX, No. 2, pp. 198-201, with map showing timber line.

After referring to the caribou and to the species of trees observed, the writer gives a list of birds with dates when first seen, etc.

WRIGHT, MABEL OSGOOD.

The Ruby-throated Hummingbird.

Bird-Lore, May-June, 1912, vol. XIV, No. 3, pp. 186-189, with coloured plate.

MAMMALS

BIRD-EYE, CLARENCE

Some common mammals of western Montana in relation to eagle pox and spotted fever.

U. S. Department of Agriculture, Farmers' Bulletin, 481, March 9, 1912, pp. 1-16, with 34 text figures.

All most of the mammals mentioned in the above bulletin are also found north of the international boundary, the information contained will be of use to farmers in southern Alberta and Saskatchewan.

BROWN, BARNEY

Where the beaver is protected

The American Museum Journal, April 1912, vol. XII, No. 4, pp. 145-147, with 3 photographic views.

Notes on the beaver observed in Red Deer river, Alberta.

HOOVER, N.

New mammals from Canada, Alaska, and Kamchatka

Smithsonian Miscellaneous Collections, February 7, 1912, vol. 50, No. 35, pp. 1-8, pls. 1-5.

Describes *Marmota flaviventris*, *sp. nov.*, and *Reithrodon storeri* from the head of Moose Pass branch of Smoky river, Alberta.

Mammals of the Alpine Club Expedition to the Mount Rorson region.

The Canadian Alpine Journal, special number, 1912, pp. 1-11, pls. 1-15.

KILGIL, A. B.

Notes on the Mammals of the Bruce peninsula.

The Ontario Natural Science Bulletin, No. 7, 1912, pp. 58-60.

MILLER, GEORGE S. JR.

List of North American land mammals in the United States National Museum, 1911.

Smithsonian Institution, United States National Museum, Bulletin 79, 1912, pp. 1-155.

The names of the large wolves of northern and western North America. Smithsonian Miscellaneous Collections, June 8, 1912, vol. 59, No. 15, pp. 1-15.

The names of two North American wolves.

Proceedings of the Biological Society of Washington, May 1, 1912, vol. XXV, p. 95.

MISCELLANEOUS

ALLEN, J. A.

Zoology of the Stefanoff and Sore expedition. A preliminary study.

The American Museum Journal, November, 1912, vol. XII, No. 7, p. 237.

AMERICAN MUSEUM JOURNAL, THE.

- R. M. Anderson in unexplored Arctic America—editorial comment on the zoological work of the Stefansson-Anderson Arctic Expedition and quotations from Dr. Anderson's letters.
 Idem, November, 1912, vol. XII, No. 7, pp. 238-241.

COPPELAND, G. G.

- The temperatures and densities and allied subjects of Passamaquoddy Bay and its environs. Their bearing on the oyster industry.
 Contributions to Canadian Biology (Marine Biological Stations of Canada, 1906-1910) 1912, pp. 281-291, with map, diagram, and eight tables.

COWIE, J. J.

- Sea-fisheries of eastern Canada.
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