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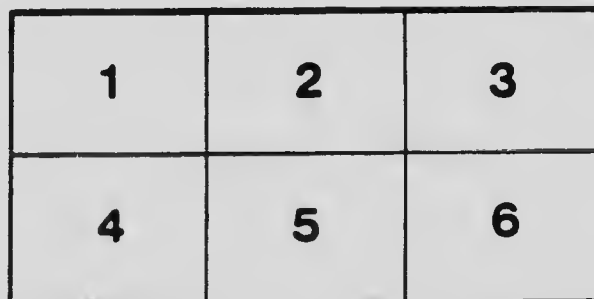
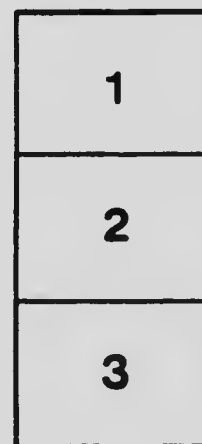
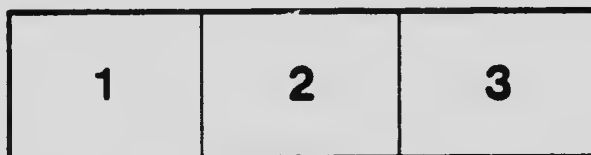
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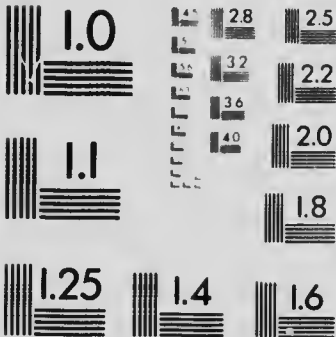
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1911

FROM THE TRANSACTIONS OF THE ROYAL SOCIETY OF CANADA  
THIRD SERIES—1912  
VOLUME VI

SECTION IV

R.O.M.Z. Separate

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**Bibliography of Canadian Zoology  
for 1911.  
(Exclusive of Entomology).**

By

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

OTTAWA

PRINTED FOR THE ROYAL SOCIETY OF CANADA

1912

199

*Bibliography of Canadian Zoology for 1911*  
(Exclusive of Entomology)

BY LAWRENCE M. LAMB, F.G.S., F.C.S.A.

Read by title, May 11, 1912

INVERTEBRATA

COELENTERATA

FRASER, C. McLEAS.

The Hydroids of the west coast of North America

Pulletin of the State University of Iowa, May 13, 1911, vol. vi, No. 1  
1-91, with bibliography and plates 1-8

MERRILL, C. PLAYFAIR

On Actinurina of Passamaquoddy Bay, with a discussion of their synonymy  
Transactions of the Royal Society of Canada, third series, vol. iv, 1911  
section iv, pp. 59-83, with bibliography and plate 1-3

ECHINODERMATA

CLARK, HUBERT LYMAN

North Pacific Ophiurans in the collection of the United States National  
Museum

Smithsonian Institution, United States National Museum, Bulletin  
75, 1911, pp. cxvi-c + 1-302

Includes a number of species from the Pacific coast of Canada

FISHER, WALTER KENNEDY

Asteroidea of the North Pacific and adjacent waters, part I. Planerozonia  
and Spinulosa

Smithsonian Institution, United States National Museum, Bulletin 76,  
1911, pp. 1-106, with bibliography, and plates 1-122

This memoir includes species found in British Columbian waters

VERMES

McINTOSH, WILLIAM C.

Notes from the Gatty Marine Laboratory, St. Andrews

Annals and Magazine of Natural History, February, 1911, vol. 7,  
eighth series, No. 38, pp. 115-173. Included are the following

2. On *Nevaya* whiteavesi, a form with certain relationships to  
*Selkirkiellus* Grube, from Canada. (Plate V, figs. 1-11. (Gulf of  
St. Lawrence))
5. On the Cirratulidae dredged in the Gulf of St. Lawrence, Canada,  
by Dr. Whiteaves. (Plate VII, figs. 8-10.)

## MOLLUSCA

ALLEN, JOHN A.

*Lymnaea auricularia*, Linné in Canada.

The Nautilus, September, 1911, vol. xxv, No. 5, p. 60.

Records the finding of this species in a chain of pools on the beach of Lake Erie, at Kingsville, Ontario.

BAKER, FRANK C.

The Lymnaeidae of North and Middle America, recent and fossil.

Chicago Academy of Sciences, Special Publication No. 3, Feb. 15, 1911, pp. i-xvi + 1-539, plates I-LVIII, with bibliography, and 51 maps, in text, shewing distribution.

Mollusks of Wellesley island and vicinity, St. Lawrence river.

The Nautilus, October, 1911, vol. xxv, No. 6, pp. 66-67.

In this paper the author lists five species of Pelecypoda and thirty-one of Gastropoda.

BARTSCH, PAUL.

The recent and fossil Mollusks of the genus *Cerithiopsis* from the west coast of America.

Proceedings of the United States National Museum, vol. 40, May 8, 1911, pp. 365-367, plates 36-41.

With the species described is *Cerithiopsis stephensæ*, Bartsch, from Victoria, Vancouver island, British Columbia. The term "west coast of America" in the above title refers to the western coast of North America.The recent and fossil Mollusks of the genus *Bittium* from the west coast of America.

Proceedings of the United States National Museum, vol. 40, May 12, 1911, pp. 383-411, plates 51-58.

Includes *Bittium* (*Synbittium*) *vancouverense*, Dall and Bartsch, and *B. attenuatum boreale*, new subspecies, both from Barclay sound, Vancouver island.The recent and fossil Mollusks of the genus *Alvania* from the west coast of America.

Proceedings of the United States National Museum, vol. 41, Nov. 15, 1911, pp. 333-362, plates 29-32.

Among the species described or referred to, is *Alvania compacta*, Carpenter, from British Columbian localities as follows:—Saturnia island; Victoria, Vancouver island; and Barclay sound, Vancouver island.

CLAPP, GEO. H.

An additional record for *Helix hortensis*, Müll.

The Nautilus, December, 1911, vol. xxv, No. 8, p. 91.

The specimens of this species were collected by Dr. Percy E. Raymond at Neville, Pointe aux Trembles, Portneuf county, about 22 miles west of Quebec.

## HANNA, G. DALLAS

The American species of *Sphyrapicus* with an inquiry as to their genetic relationships.

Proceedings of the United States National Museum, vol. 41, October 11, 1911, pp. 371-376.

As regards *Sphyrapicus idestatum*, Draparnaud, it is resident in that part of North America designated by the United States Biological Survey as Transition and Canadian.

## KEMP, ERNEST

Report on Oyster culture for the season of 1910.

Forty-fourth Annual Report, Department of Marine and Fisheries, Ottawa, 1910-11 (1911), Fisheries, appendix No. 17, pp. 413-416.

This report of the oyster expert has reference to oyster culture in the lower provinces, more particularly at Malpeque, P. E. I., and Tracadie, N. S.

## L. CLARKEFORD, F. R. C.

Conchological Notes.

The Ottawa Naturalist, April, 1911, vol. xxx, No. 1, pp. 19-20.

Conchological Notes.

The Ottawa Naturalist, July, 1911, vol. xxx, No. 1, pp. 67-68.

## PAYTON, M. J.

The Canadian Oyster Industry.

Commission of Conservation, Canada, 1911, Lands, Fisheries, Game and Minerals, pp. 128-145.

## VERTEBRATA

## AGNATHA

## RUGAN, C. TATE

A synopsis of the Marsipobranchs of the Order Hyperoarthi.

Annals and Magazine of Natural History, February, 1911, vol. 7, eighth series, No. 38, pp. 193-201.

Includes references to species inhabiting the Pacific and Atlantic coasts of Canada.

## PISCES (FISHES).

## CARBOSELL, E. T.

Fisheries of Prince Edward Island.

Commission of Conservation, Canada, 1911, Lands, Fisheries, Game and Minerals, pp. 158-163.

## CHAMBERS, E. T. D.

Game Fisheries of Quebec.

Commission of Conservation, Canada, 1911, Lands, Fisheries, Game and Minerals, pp. 198-212.



## COMMISSION OF CONSERVATION

## White-fisheries in the Great Lakes

Commission of Conservation, Canada, 1911, Lands, Fisheries, Game and Minerals, pp. 151-155, with four maps.

Take from an article by Paul Beuhard, of the University of Michigan, on "A Plan for Promoting the Whitefish Production of the Great Lakes." Bulletin of the United States Bureau of Fisheries, vol. XXVIII, p. 615.

## Fish Culture in Canada

Idem, pp. 156-157.

## Fisheries of Manitoba

Idem, pp. 161-175.

## The Fisheries of British Columbia

Idem, pp. 176-191.

This article was contributed by the Attorney General's Department, British Columbia.

## CROSSINGHAM, F. H.

## Fish Breeding

Forty-fourth Annual Report, Department of Marine and Fisheries, Ottawa, 1910-11 (1911), Fisheries, appendix No. 16, pp. 317-412.

Gives information regarding the work of the forty-one hatcheries in operation throughout the Dominion, and the species of fish handled.

## GARDNER, C. W.

## Whitefish in the Great Lakes

Commission of Conservation, Canada, 1911, Lands, Fisheries, Game and Minerals, pp. 146-153.

## GILL, THEODOR

## Notes on the Structure and Habits of the Wolf-fishes.

Proceedings of the United States National Museum, vol. 39, No. 1782, pp. 157-187, with bibliography, and plates 17-28.

In this paper a number of species of wolf-fish, occurring off the coasts of Canada and Greenland are described or referred to. They are as follows: *Lycenchthys forcadeus*, sp. nov. (off coasts of Maine and Nova Scotia); *L. latifrons* (Iceland and Western Greenland); *L. dentulatus* (Western Greenland); *L. paucidens* (off coasts of Maine and Nova Scotia); *Anarrhichthys micot* (North Atlantic, south to Scotland and Maine); *A. lupus* (North Atlantic, along the shore of Europe to British Channel and of North America to Cape Cod); *A. lepturus* (North Pacific, south to Vancouver island); and *Anarrhichthys ocellatus* (North Pacific from Alaska to Monterey).

## KENDALL, WILLIAM CONVERSE.

Notes on *Percopsis gattabos*, Agassiz and *Salmo omiscomaycus*, Wallbaum.

Proceedings of the Biological Society of Washington, February, 1911, vol. XXIV, pp. 15-52.

In this article the name *Percopsis omiscomaycus* (Wallbaum) is used instead of *Percopsis gattabos*, Agassiz, in describing the species so widely distributed in eastern and central Canada.

## AMPHIBIANS—REPTILIANS

PETERSON, W. H.

- Spawns and Eggs of *Ambystoma opacum* (pellegrinatum)  
 University of Toronto, 1911. Biological Series, No. 9, 1911, pp. 7-32,  
 7-38, with four text-figures. Reprinted from the American Naturalist,  
 vol. XLV, December, 1910.

## REPTILES

NATURALIST, CANADIAN. (See LITHOGR.)

- Les Combustibles canadiens, 1911.  
 Juillet, 1911, vol. XXXVIII, No. 1, pp. 7-7.

## AVES—BIRDS

BROOKS, WASHINGTON S. AND CORBETT, STANLEY

- Notes from Eastern Alberta  
 The Auk, October, 1911, vol. XXVIII, No. 4, pp. 165-170.  
 From observations of bird-migrations (15th August, 1909 and 1st  
 February, 1910) at the northern end of Bygonia Island, lat. 53° 30' N., long.  
 111° 40' W., about 90 miles east of Edmonton, Alberta. Eighty-  
 eight species are listed.

BROWN, W. J.

- Nesting of the Mourning Warbler, Laval county, Que.  
 The Ottawa Naturalist, May, 1911, vol. XXV, No. 2, pp. 39-40.  
 Some Newfoundland Bird notes—May, June, July, 1911.  
 Idem, September, 1911, vol. XXV, No. 9, pp. 89-94.  
 Mr. Brown lists 61 species with interesting notes.  
 A family of Sharp-shinned Hawks  
 Idem, October-November, 1911, vol. XXV, Nos. 7 and 8, pp. 121-122.  
 Description of the behaviour of young birds in the nest when disturbed.

BURNS, FRANK J.

- A monograph of the Broad-winged Hawk.  
 The Wilson Bulletin, vol. XXIII, September and December number,  
 1911, pp. 138-320, illustrated.  
 "With the co-operation of over one hundred American ornithologists,  
 and the compilation of the world's literature."

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

- Bird-Lore's Eleventh Bird Census  
 Bird-Lore, vol. XIII, No. 1, 1911, pp. 18-44.  
 Includes species from the following localities:—London, Ont. (Hyde  
 Park, Thames river and vicinity); Millbrook, Ont.; Naves crossing,  
 Alberta; Okanagan landing, British Columbia.

## CHAPMAN, FRANK M.

Notes on the Plumage of North American Sparrows. Seventh paper.  
 Bird-Lore, vol. xiii, No. 1, 1911, p. 17, with coloured plate.  
 Describes the plumage of McCown's Longspur (*Rhyncophanus meconii*)  
 and of Smith's Longspur (*Calcarius pictus*).

Notes on the Plumage of North American Sparrows. Eighth paper.  
 Idem, vol. xiii, No. 2, 1911, p. 89, with coloured plate.  
 Describes the plumage of the Dickcissel, the Lark Sparrow, the Vesper  
 Sparrow and the Western Vesper Sparrow.

Notes on the Plumage of North American Sparrows. Ninth paper.  
 Idem, vol. xiii, No. 3, 1911, pp. 117-118, with coloured plate.  
 Describes the plumage of the Savannah Sparrow and of the Ipswich  
 Sparrow.

Notes on the Plumage of North American Sparrows. Tenth paper.  
 Idem, vol. xiii, No. 4, 1911, p. 202, with coloured plate.  
 Describes the Indigo Bunting (*Passerina cyanea*) and the Blue Gros-  
 beak (*Guiraca caerulea*).

Notes on the Plumage of North American Sparrows. Eleventh paper.  
 Idem, vol. xiii, No. 5, 1911, pp. 219-250, with coloured plate.  
 Describes and illustrates the plumage of the Lazuli Bunting.

Notes on the Plumage of North American Sparrows. Twelfth paper.  
 Idem, vol. xiii, No. 6, 1911, p. 300, with coloured plate.  
 On the Evening Grosbeak (*Hesperiphona vespertina*).

COBB, STANLEY. See BROOKS, WINTHROP S.

## COOKE, W. W.

The Migration of North American Sparrows. Eighth paper.  
 Bird-Lore, vol. xiii, No. 1, 1911, pp. 14-17.  
 Gives dates and localities in connection with the migration of  
 Smith's Longspur and McCown's Longspur.

The Migration of North American Sparrows. Ninth paper.  
 Idem, vol. xiii, No. 2, 1911, pp. 83-88.  
 Gives dates and localities in connection with the migration of the  
 Dickcissel, the Lark Sparrow and the Vesper Sparrow.

The Migration of North American Sparrows. Tenth paper.  
 Idem, vol. xiii, No. 3, 1911, pp. 111-116.  
 Ipswich Sparrow and Savannah Sparrow.

The Migration of North American Sparrows. Eleventh paper.  
 Idem, vol. xiii, No. 4, 1911, pp. 198-201.  
 Gives details regarding the migration of the Indigo Bunting and Blue  
 Grosbeak.

The Migration of North American Sparrows. Twelfth paper.  
 Idem, vol. xiii, No. 5, 1911, pp. 218-219.  
 The Lazuli Bunting.

The Migration of North American Sparrows. Thirteenth paper.  
 Idem, vol. xiii, No. 6, 1911, pp. 298-299.  
 The Evening Grosbeak.

## CRIDDLE, NORMAN.

Natural History Notes from Calgary, Alberta.

The Ottawa Naturalist, August, 1911, vol. xxv, No. 5, pp. 73-77.

The White-winged Junco in Manitoba.

Idem, October-November, 1911, vol. xxv, Nos. 7 and 8, p. 122.

Hoyt's Horned Lark in Manitoba.

Idem, October-November, 1911, vol. xxv, Nos. 7 and 8, pp. 122-123.

Popular and Practical Ornithology, (1) -The Snowflake.

Idem, December, 1911, vol. xxv, No. 9, pp. 125-128.

## DE SHAM, ELIZABETH M.

Lark Bunting in New Brunswick.

The Auk, October, 1911, vol. xxxiii, No. 1, p. 490.

The bird was shot at Nantucket, a small island near Grand Manan, N.B. This constitutes only the fourth record of the species in eastern North America.

## EFFRIG, C. W. G.

The Birds of Ottawa.

The Ottawa Naturalist, January, 1911, vol. xxiv, No. 10, pp. 176-187.

(continued from p. 163, December number, vol. xxiv, 1910).

Mr. Effrig here includes birds belonging to the following orders:

Podicipede (Cranes, Rails, etc.), Limicole (Phalaropes, Snipes, Sand-piper, etc.), Galline (Grouse, Partridges, etc.), Columbæ (Pigeons), Raptoræ (Hawks, Eagles, etc.), Coeeyges (Cuckoos, Kingfishers, etc.), Picæ (Woodpeckers, etc.), Machechires (Goatsuckers, Swifts, etc.), Passeres (Flycatchers, Larks, etc.).

The Birds of Ottawa.

Idem, February, 1911, vol. xxiv, No. 11, pp. 198-206.

(continued from p. 187 of this volume).

Includes birds belonging to the order Passeres (Crows, Blackbirds, Finches, Tanagers, Vireos, Warblers, etc.).

The Birds of Ottawa.

Idem, March, 1911, vol. xxiv, No. 12, pp. 222-228 (continued from p. 206 of this volume).

Includes birds belonging to the order Passeres (Warblers, Wrens, Titmice, Thrushes, etc.) and concludes with a list of 246 species observed at Ottawa.

Blue Jay imitating Red-shouldered Hawk.

Idem, September, 1911, vol. xxv, No. 6, p. 101.

Birds of a Canadian Peat Bog.

The Wilson Bulletin, vol. xxiii, June, 1911, pp. 119-125.

The writer in an interesting paper records his observations at Mer Bleue, six miles east of Ottawa, Ont.

## FAIRLY, T. L.

Bird Notes: Turkey Buzzard.

The Ottawa Naturalist, August, 1911, vol. xxv, No. 5, p. 88.

The occurrence of the above species in the neighbourhood of Canrose, Alberta, is recorded for the first time.

FLEMING, J. H.

A new Teal from the Andaman islands.

Proceedings of the Biological Society of Washington, October 31, 1911,  
vol. xxiv, pp. 215-216.

FOURNESS, EDWARD HOWE.

The Cedar Waxwing.

Bird-Lore, vol. xiii, No. 1, 1911, pp. 55-58, with coloured plate.

GROENBERGER, S. M. See KALM, PETER.

See MARTIN, ANTON R.

HENNINGER, W. F.

New Greenland Records.

The Auk, October, 1911, vol. xxviii, No. 1, p. 192.

Attention is drawn to a European paper 'Dansk, Ornithol. Foren. Tid-kritt,' iv, p. 130, 'Nye Arter for Østgrønland' by O. Helms, in which two of the four species of birds enumerated are regarded by Mr. Henninger as new records. These two, *Podiceps griseigrua* and *Totanus calidris*, are proposed as additions to the A. O. U. check-list.

JOB, HERBERT K.

The Spotted Sandpiper.

Bird-Lore, vol. xiii, No. 1, 1911, pp. 221-224, with coloured plate.

KALM, PETER.

A description of the wild pigeons which visit the southern English colonies in North America, during certain years, in incredible multitudes (translated by S. M. Gronberger from Kongl. Vetenskaps-Akademiens Handlingar, för år 1759, vol. xx, Stockholm, 1759).

The Auk, January, 1911, vol. xxviii, No. 1, pp. 53-66.

MACOUN, J. M.

The Cardinal (*Cardinalis cardinalis*) at Ottawa.

The Ottawa Naturalist, October-November, 1911, vol. xxv, Nos. 7 and 8, p. 121.

MARTIN, ANTON ROLANDSON.

Description of a species of Procellaria which is found at the North Pole (translated by S. M. Gronberger from Vetenskaps-Akademiens Handlingar för år 1759, vol. xx, pp. 91-99, Stockholm, 1759).

This is supposed to be the earliest description extant of the Fulmar of northern Canada.

MOORE, WM. H.

Notes from New Brunswick.

The Ottawa Naturalist, April, 1911, vol. xxv, No. 1, p. 13.

Has reference to the occurrence of the Grey Squirrel and Canada Jay; also to the taking of two mammals, a flying squirrel and a short-tailed shrew, in a trap at the same time.

## MUNRO, J. A.

- The Spring Migration of Birds at Fisherman's Island, Toronto, 1910.  
 The Ottawa Naturalist, May 1911, vol. xxv, No. 2, pp. 27-31.  
 Gives a list, with notes, of 38 species of birds observed between 1st  
 January and 10th July, 1910.
- The Spring Migration of Birds at Fisherman's Island, Toronto, 1910.  
 Idem, June, 1911, vol. xxv, No. 3, pp. 43-48 (continued from p. 31 of  
 this volume).  
 This continuation of Mr. Munro's list adds 81 species to the 38 previ-  
 ously recorded.

## OBERHOLSER, HARRY C.

- A revision of the forms of the Hairy Woodpecker (*Dryobates villosus*  
 [Linnaeus]).  
 Proceedings of the United States National Museum, vol. 40, June 3,  
 1911, pp. 595-621, with plate 70 (map showing distribution of the  
 20 subspecies).  
 "The Hairy Woodpecker, as a species, ranges from Alaska and northern  
 Canada, south to Panama."

## OTTAWA NATURALIST, THE. (Editorial).

- An unusually early record of the arrival of the Black-throated Green  
 Warbler (*Dendroica virens*) at Ottawa.  
 September, 1911, vol. xxv, No. 6, p. 104.

## RIDGWAY, ROBERT.

- Diagnoses of some new forms of Peleidae.  
 Proceedings of the Biological Society of Washington, February, 1911,  
 vol. xxiv, pp. 31-36.  
 Reference is here made to certain northern forms found in Canada.
- The Birds of North and Middle America. Part V.  
 Smithsonian Institution, United States National Museum, Bulletin,  
 50, 1911, pp. i-xxiii + 1-859, plates i-xxxiii.  
 Parts I, II, III and IV were issued in 1901, 1902, 1904 and 1907  
 respectively. The present part includes the Tapaculos, the Antbirds,  
 the Ovenbirds, the Woodhewers, the Humming birds, the Swifts and  
 the Trogons.

## RILEY, J. H.

- Descriptions of three new birds from Canada.  
 Proceedings of the Biological Society of Washington, November, 1911,  
 vol. xxiv, pp. 233-236.  
 The three subspecies named are *Lagopus lagopus lagopus*, from Fort  
 Chimo, Ungava, *Melospiza melodia unexpecteda*, from three miles east  
 of Moose lake, British Columbia, and *Passerella iliaca altivagus*,  
 from Moose branch of Smoky river, Alberta.

## SANDERS, G. E.

- Bird Records.  
 The Ottawa Naturalist, September, 1911, vol. xxv, No. 3, p. 101.  
 Records of a few species of birds in January, February and April, 1911  
 in Nova Scotia and New Brunswick.

SAUNDERS, W. E.

Winter birds at Point Pelee, Ont.

The Ottawa Naturalist, May, 1910, vol. xxiv, No. 2, pp. 35-36.

STONE, WITMER.

The Carolina Wren.

Bird-Lore, vol. xiii, No. 3, 1911, pp. 167-170, with coloured plate.

SWALES, B. H. See TAVERNER, P. A.

TAVERNER, P. A.

Some Raptorial Migrations in southern Ontario.

The Ottawa Naturalist, August, 1911, vol. xxv, No. 5, pp. 77-81.

This article treats of the flight, at Point Pelee, of the Sharp-shinned Hawk, Cooper Hawk, Red-shouldered Hawk, Red-tailed Hawk and the Acadian Owl.

TAVERNER, P. A., and SWALES, B. H.

Notes on the Migration of the Saw-whet Owl.

The Auk, July, 1911, vol. xxviii, No. 3, pp. 329-331.

TERRILL, L. McIVER.

Blue Jay imitating Red-shouldered Hawk.

The Ottawa Naturalist, April, 1911, vol. xxv, No. 1, p. 20.

Changes in the status of certain Birds in the vicinity of Montreal, P.Q.

The Ottawa Naturalist, July, 1911, vol. xxv, No. 4, pp. 57-63.

TUTTLE, ALBERT W.

Pomarine Jaeger capturing a Phalarope.

The Auk, October, 1911, vol. xxviii, No. 4, p. 482.

Observed off Grand Manan, N.B.

WRIGHT, ALBERT HAZEN.

Other early records of the Passenger Pigeon.

The Auk, July, 1911, vol. xxviii, No. 3, pp. 346-366.

Records from Canada, "the former home of the breeding pigeon,"

are first considered, and later those from New England and New York.

This paper is concluded (October number, 1911) with United States records.

#### MAMMALS.

ANDREWS, ROY C.

What Shore-whaling is doing for science.

Nature, December 28, 1911 vol. 88, No. 2200, pp. 280-282, text-figures 1-4.

In discussing whale-fishing methods generally the writer refers to the different kinds of north Pacific whales and to the large number of individuals captured off the coast of British Columbia. He calls attention to the fact that in 1908 as many as 325 whales were killed, in seven months, at one of the Vancouver island stations.

## HOLLISTER, N.

Four new mammals from the Canadian Rockies.

Smithsonian Miscellaneous Collections, December, 1911, vol. 56, No. 26, pp. 1-4.

These mammals are: —a new species of chipmunk (*Eutamias luteiventris*, from Yellowhead lake, British Columbia); a new subspecies of ground-squirrel (*Citellus lateralis lescorami*, from Moose Pass branch of Smoky river, Alberta); and two new species of bats (*Myotis albifrons* and *M. pernox*, from Henry House, Alberta).

A Systematic Synopsis of the Muskrats.

U. S. Department of Agriculture, Bureau of Biological Survey, North American Fauna, No. 32, April 29, 1911, pp. 1-38, with bibliography, map showing distribution, and five plates.

This report treats most comprehensively and exactly of the existing species and subspecies of muskrats in Canada and the United States. The fossil species are also dealt with.

## JOHNSTON, SIR H. H.

Bir-gane shooting in Patagonia and Newfoundland.

Nature, March 16, 1911, vol. 86, No. 2159, pp. 80-81, with two text-figures contrasting the heads of Canadian and Norwegian Elk.

## MEARNS, EDGAR A.

New names for two subspecies of *Peromyscus maniculatus* (Wagner).

Proceedings of the Biological Society of Washington, May, 1911, vol. xxiv, pp. 101-102.

For the preoccupied name *Hesperomys leucopus arcticus*, Mearns, applied to the Arctic Deer Mouse from Fort Simpson, Mackenzie river, N. W. T. (Bull. Am. Mus. Nat. Hist., New York, ii, 1890, p. 285), the name *Peromyscus maniculatus borealis* is here proposed by the author.

## MÖRCH, J. A.

On the Natural History of Whalebone Whales.

Proceedings of the Zoological Society of London, 1911, September, part III, pp. 661-670, text-figures 160-163.

## OBERHOLTZER, ERNEST C.

Some Observations on Moose.

Proceedings of the Zoological Society of London, 1911, June, part II, pp. 358-364.

This paper, read before the Society on 7th March, 1911, treats of the habits of Moose as observed in the Rainy Lake district, Ontario.

## SETON, ERNEST THOMPSON.

The Arctic Prairies.

Scribner's Magazine, February, 1911, vol. xlix, No. 2, pp. 207-223, with illustrations, and text-map.

Describes a trip in the country north-east of Great Slave lake and furnishes information regarding the musk-ox and other mammals.

This has also appeared in separate book form, published by Charles Scribner's Sons, 1911. In appendix F is a list of the mammals observed during the expedition. The birds are given in another appendix (G).



SWARTH, H. S.

Two new species of Marmots from north-western America.

University of California Publications in Zoology, February 18, 1911, vol. 7, No. 6, pp. 201-204.

The new species described are—*Marmota vancouverensis*, Vancouver Island Marmot, from Vancouver island, B.C., and *Marmota ochracea*, Yukon Marmot, from Forty mile creek, Yukon and Alaska.

T., D. W. (THOMPSON, D'ARCY W.)

The Fur-seal Question.

Nature, July 13, 1911, vol. 87, No. 2176, pp. 46-48, with text figure. Includes information regarding the habits of the fur-seals at their breeding grounds.

THOMAS, OLDFIELD.

The Mammals of the Tenth Edition of Linnæus: an Attempt to fix the Types of the Genera and the exact Bases and Localities of the species. Proceedings of the Zoological Society of London, 1911, March, part I, pp. 120-158.

The type localities of the following species are included:—"*Phoca rosomarus*," *Odobenus rosomarus*, northern Atlantic, *Odobenus*.

"*Ursus luscus*," American Glutton, Hudson bay, Gulo.

"*Hystrix dorsata*," Canadian Porcupine, Hudson bay, Erethizon.

"*Balaena mysticetus*," Greenland Right Whale, Greenland seas, *Balaena*.

ZOOLOGICAL SOCIETY OF LONDON, PROCEEDINGS OF.

The Secretary's report on additions to the Society's Menagerie during November, 1910.

Proceedings of the Zoological Society of London, 1911, March, part I, p. 100.

Included in the list are the following:—

1 American Bison (*Bison americanus*) born in the menagerie.

5 Canadian Wapiti (*Cervus canadensis*), one male and four females, from Canada.

The Secretary's report on additions to the Society's Menagerie during December, 1910.

Idem, 1911, June, part II, p. 181.

Included in the list are the following:—

4 Canadian Skunks (*Mephitis mephitis*).

1 Silver Fox (*Vulpes argentatus*), from Hudson bay.

Exhibitions and Notices.

Idem, 1911, June, part II, p. 181-182, text-figure 52.

Mentions the exhibition, by Mr. Edward Gerrard, F.Z.S., of the head of the Caribou (*Rangifer tarandus caribou*) shot by Sir John Rogers, K.C.M.G., in British Columbia. The head has abnormal antlers.

#### MISCELLANEOUS.

BAXTER, J. MCG.

The Unity of Nature.

Proceedings of Miramichi Natural History Association, No. VI, 1911, pp. 22-28.

## CARBONELL, E. J.

## The Game of Prince Edward Island

Commission of Conservation, Canada, 1911, Lands, Fisheries, Game and Minerals, pp. 192-194

## CHAMBERS, E. T. D.

## Game of the Province of Quebec.

Commission of Conservation, Canada, 1911, Lands, Fisheries, Game and Minerals, pp. 213-215

## COMMISSION OF CONSERVATION.

## The Game of British Columbia.

Commission of Conservation, Canada, 1911, Land, Fisheries, Game and Minerals, pp. 217-231

This article was supplied by the Attorney General's Department of British Columbia

## HALKETT, ANDREW.

## Natural History Report

Forty-fourth Annual Report, Department of Marine and Fisheries, Ottawa, 1910-11 (1911), Fisheries, appendix No. 18, pp. 117-120

I. Investigations as to the destruction wrought among lobsters in the areas of water lying between Cape Sable Island and Seal Island, Nova Scotia, by the barn-door skate

II. The readjustment of the Canadian Fisheries Museum.

## HEWITT, C. GORDON.

## Conservation, or the Protection of Nature

The Ottawa Naturalist, March, 1911, vol. xxiv, No. 12, pp. 209-221.

## KNEIBT, J. A.

## Game of Nova Scotia.

Commission of Conservation, Canada, 1911, Lands, Fisheries, Game and Minerals, pp. 195-197.

## MINISTER OF PUBLIC WORKS.

Fourth Annual Report of the Game and Fisheries Department, Toronto, 1910 (1911), pp. 1-191.

Contains information regarding fish, birds and mammals in the province of Ontario. Includes three coloured plates illustrating the Quail (*Colinus virginianus*), the Brook Trout (*Salvelinus fontinalis*) and the Mascauongo (*Lucius masquinongy*)

## NICHOLLS, ALBERT G.

## On the Nature and Significance of the Calcium Content of the Blood

Transactions of the Royal Society of Canada, third series, vol. iv, 1911, section iv, pp. 85-91

## PRINCE, E. E.

St. Andrew's University and Fishery Investigations in the Sea.  
Memorial Volume of Scientific Papers: Quincentenary of the University  
of St. Andrew's, September, 1911.

## Biological Stations.

Forty-fourth Annual Report, Department of Marine and Fisheries,  
Ottawa, 1910-11 (1911), Fisheries, pp. xiii-xv.

Gives a synopsis of the season's work at the three Biological Stations  
in Canada, viz., at St. Andrews, N.B., at Departure bay, B.C., and  
at Go-Home bay, Georgian bay, Ont.

## SETON, ERNEST THOMPSON.

## Notes from Pembroke, Ont.

The Ottawa Naturalist, January, 1911, vol. xxiv, No. 10, p. 175.

Records the rare occurrence at Pembroke of the Black Squirrel, the  
Double-crested Cormorant and the Woodcock.

## TOWNSEND, CHARLES W.

## A Labrador Spring.

12 mo, pp. xi + 262, with numerous half-tone plates. June 1910,  
Dana Estes and Company, Boston, U.S.A.

Includes ornithological matter of much interest. (Omitted by mistake  
from the Bib. of Can. Zool. for 1910.)

