

Pigeon are preserved in other institutions and private collections throughout the world. He prepared and widely distributed a questionnaire requesting information on specimens of this and six other extinct, or nearly extinct, North American bird species. In the course of five years he received over one thousand replies which showed the following numbers of specimens preserved as skins or mounts, or as skeletons, in various parts of the world:

Passenger Pigeon (1532; also 16 skeletons); Eskimo Curlew (365; 2 skeletons); Great Auk (78; 2 skeletons); Ivory-billed Woodpecker (413; 5 skeletons); Whooping Crane (309; 8 skeletons); Carolina Parakeet (720; 16 skeletons); Labrador Duck (54; no skeletons).

The book gives all the basic data furnished by the owners concerning each specimen, including (when known) the name and address of the present owner, catalogue number, sex, collecting date and locality, and name of collector. In the case of many specimens of the Great Auk and Labrador Duck extensive historical notes concerning the individual specimens are given. This valuable and interesting record of vanishing data is an appropriate memorial to the enthusiasm and dedication of Mr. Hahn, who died on July 20, 1962.

W. EARL GODFREY

Fishes of the Western North Atlantic

By H. B. BIGELOW, M. G. BRADBURY, J. R. DYMOND, J. R. GREELEY, S. F. HILDEBRAND, G. W. MEAD, R. R. MILLER, L. R. RIVAS, W. C. SCHROEDER, R. D. SUTTKUS, V. D. VLADYKOV. Memoir of the Sears Foundation for Marine Research, New Haven. Number 1, Part 3, 1963 (?1964), 630 pp., 129 fig., 2 maps, \$27.50.

The most recent part of this monumental work has just been issued. The text quality of the preceding volumes has on the whole been maintained. The extensive descriptions and synonymies,

the carefully constructed keys, and the figures of adults and in some cases larvae will make this work the starting point for much future research.

The reviewer's general comments are few. Some authors have neglected to examine as large or as geographically extensive a series of specimens as might be desirable. In several sections a regional bias is exhibited. Most of the characters in the descriptions of some families (Engraulidae, Clupeidae, Elopidae and Albulidae) are external. In some species descriptions, characters which the author should have examined himself are given from the literature, e.g. "Branchiostegal rays 10-11 reported." (p. 509), "Pyloric caeca, average 38.4 reported." (p. 527). Common names are capitalized.

Some minor errors have crept in. Branchiostegals *are* present in some fossil Dipnoi and one *is* present in acipenseroids; the polyodontoids lack the suboperculum (p. 5, etc.). A small gular *is* present in *Albula* (p. 132). *Clupea harengus* is the type-species of the genus *Clupea* not "by implication (unquestioned)" but by selection by Gill, 1861. The types of some of the other genera are not correctly cited.

In this volume are included the orders Acipenseroidi, Lepisostei, and in part, the Isospondyli. The long sections on the Atlantic salmon, Arctic charr, brook charr and tarpon will be of particular interest to the angler.

Although the part is dated 1963, the reviewer did not receive his copy until 1964. The most recent reference found in a quick perusal was 1961. It is to be hoped that future manuscripts will be published more rapidly although the task in a multi-authored volume is not easy.

Another problem is the rising price of the volumes. The first was \$10, the second \$15; the present one is \$27.50. At the present rate of price increase and since less than one-quarter of the fishes are yet covered, only millionaires will be able to buy the last volumes! While the volumes are large and use the finest

paper and binding, they do not have coloured plates and are published in large editions; therefore one would think that \$27.50 per volume is somewhat excessive.

Despite the high price, it is an essential reference for the working ichthyologist. Its style renders it readable to the intelligent amateur. It would grace the shelves of both.

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Fish and Wildlife: A Memorial to W. J. K. Harkness

Edited by J. R. DYMOND. Longmans Canada Ltd., Toronto. 214 pp. Frontispiece. \$6.00.

Among the contributions of the fifteen authors are: *The naturalist in modern society*, *The need for a habitat*, *Animal numbers and behavior*, *The fisheries of the Great Lakes*, *How are fisheries managed*, *A philosophy of conservation*, and *The footsteps of a sportsman*, as well as sketches of Harkness. Among the notable scientists and authors who contribute are Gregory Clark, J. R. Dymond, W. E. Ricker, Dennis Chitty, E. J. Fry, W. M. Sprules and C. H. D. Clarke. The variety of topics bespeaks the breadth of W. J. Harkness' interests.

Despite the shortness of the articles each adequately covers its topic. Despite the diversity in authors the editor has managed to infuse a unity of style. Technical problems of limnology and population dynamics are discussed in clear English. The writing is almost error free, and is free of sentiment.

The vignettes of the man and articles on fish and wildlife will provide several evenings of pleasant and thoughtful reading.

The book is a fine and useful tribute to the memory of W. J. K. Harkness.

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Rowan Field Notes — A Review

When Dr. Wm. Rowan died on June 30, 1957, he left a considerable amount of unpublished written material, much of it pertaining to the ornithology of the province of Alberta. Some of this was purchased by the University of Alberta and deposited in the Library of that institution. Among it were his journals, contained in a series of volumes entitled "Ornithological and other notes by Wm. Rowan". These journals cover the period from 1908 to June 5, 1957; the entries for the first few years however, are quite brief and apparently were made from recollections at a later date. The earlier volumes especially contain much illustrative material in the form of sketches, wash drawings, and photographs. Each of the volumes is indexed. Some of the volumes cover periods of more than one calendar year and many of them do not begin and end with a calendar year.

A typewritten transcription of these journals has been made and, under the title "Rowan Field Notes", has been bound into six volumes. Volume I includes notes of the period 1908 - May 15, 1921; Volume II, May 16, 1921 - Oct. 22, 1929; Volume III, Mar. 17, 1930 - Dec. 11, 1935; Volume IV, Feb. 15, 1936 - Jan. 4, 1943; Volume V, Jan. 14, 1943 - Dec. 29, 1951; and Volume VI, Jan. 4, 1952 - June 5, 1957.

The transcription is a reasonably good but not an exact copy of Rowan's Journals. It contains some omissions of words and phrases and many errors of spelling, grammar and English, many of which reflect the inability of the transcriber to read Rowan's handwriting or to understand his scientific and colloquial expressions. The original journals of course, are not entirely devoid of such errors. Illustrative material is not copied into the transcription but a short verbal description of each illustration appears in its place. The volumes are well bound but the transcription, which was not



McAllister, Don E. 1964. "Fishes of the Western North Atlantic, by H. B. Bigelow, M. G. Bradbury, J. R. Dymond, J. R. Greeley, S. F. Hildebrand, G. W. Mead, R. R. Miller, and L. R. Rivas, Review] [Review]." *The Canadian field-naturalist* 78(3), 194–195. <https://doi.org/10.5962/p.342178>.

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