CONTINUATION OF THE BULLETIN OF THE NUTTALL ORNITHOLOGICAL CLUB

The Auk

A Quarterly Journal of Ornithology

Vol. XXIX APRIL, 1912

No. 2



PUBLISHED BY

The American Ornithologists' Union

CAMBRIDGE, MASS.

CONTENTS.

	PAGE
BIRDS OF THE PARAMO OF CENTRAL ECUADOR. By Samuel N. Rhoads	141
Notes on Whip-poor-wills and Owls. By Frank Balles. With a Foreword By	150
William Brewster	150
THE RELATION OF GENERA TO FAUNAL AREAS. By Spencer Trotter	159
NOTES ON THE LAYSAN FINCH. By Hubert Lyman Clark	166
A Last Word on the Passenger Pigeon. By C. P. Hodge	169
THE VALIDITY OF THE RED-LEGGED SUBSPECIES OF BLACK DUCK. By Charles W. Townsend, M.D.	176
BIRDS IN THE MARKETS OF SOUTHERN EUROPE. By Louis B. Bishop, M.D	179
Additions to the Known Ornithological Publications of C. F. Rafinesque. By Samuel N. Rhoads	191
NOTES ON THE SPRING MIGRATION AT TIMBER LINE, NORTH OF GREAT SLAVE LAKE.	100
	198
By David E. Wheeler, M.D	205
GREAT AUX EGGS IN THE THATER MUSEUM. By John E. Thayer. (Plate XII.)	208
THE LEAST SANDPIPER DURING THE NESTING SEASON IN THE MAGDALEN ISLANDS. By Robert Thomas Moore. (Plates XIII and XIV.)	210
FURTHER NOTES ON THE FRUIT-BATING HABITS OF THE SAGE THEASHER IN THE	-
YARIMA VALLEY, WASHINGTON. By Clarence H. Kennedy	224
CERTAIN PHASES OF THE THEORY OF RECOGNITION MARKS. By W. L. McAtee	226
AN APPARENTLY UNRECOGNIZED RACE OF THE RED-SHOULDERED HAWE. By Louis B. Bishop, M.D.	232
General Notes.— Holboell's Grebe in Connecticut, 233; The Forked-tailed (Xema furculum), 233; Corys Shearwater in abundance off Long Island, 234; I Ducks which became very tame, 234; The European Widgeon at Gardner's Is New York, 235; The Pintail Duck (Dafila acuta) in Winter near Portland, M 235; White-winged Scoter (Oidemia doglandi) in Minnesota, 236; The Bi (Botaurus lentiginosus) Wintering in New Jersey, 236; Recent Occurrence of Egret (Herodias egretta) near Portland, Maine, 236; The Snowy Egret in New Me 237; King Rail (Rallus degans) at Springfield, Mass., 237; Yellow Rail (Coturn noveloracensia) in Massachusetts, 237; Yellow Rail in Michigan. A Correc 237; An Albino Semipalmated Sandpiper, 238; Last Record of the Piping P (Ægialitis meloda) in New Jersey, 238; Columbian Sharp-tailed Grouse in Wisco 238; Nesting of the Passenger Pigeon (Ectopistas migratorius) in New York, Mississippi and Swallow-tailed Kites in Knox Co., Ind., 239; Gray Gyrfalcon (rusticolus rusticolus) in Minnesota, 239; Early Occurrence of the Saw-whet 239; Diurnal Activities of the Great Horned Owl (Bubo virginianus virginianus), Status of the Picidæ in the Lower Rio Grande Valley, 241; Difference due to s the Black Swift. 241; A Crested Flycatcher in December at Cambridge, Mass., The Starling (Sturnus vulgaris) at Springfield, Mass., 243; Starling (Sturnus vulgin Chester Co., Pa., 243; Strange Actions of a Red-cycd Cowbird, 244; The I more Oriole (Icterus galbula) Wintering in New Jersey, 244; Many Purple Fir at Portland, Maine, in February, 245; Crossbills (Loxia curvirostra minor) in Ch. Co., Pa., in Summer, 245; Lapland Longspur (Calcarius lapponicus lapponin Delaware, 246; White-throated Sparrow in Idaho, 247; Painted Bunting serina ciris) in Minnesota, 247; Lawrence's Warbler (Vermitora lawrence) in Ch. County, Pa., 247; A Palm Warbler in winter at Boston, Mass., 247; Howarbler (Wilsonia citrina) at the Delaware Water Gap. Pa., 249; Mockin Notes from Messachusetts, 249; A Catbird spending the Winter in Connec 249; Notes on Hap	Black land, (aine, ttern f the exico, ticops tion. lover onsin, 238; Falco Owl, 240; paris) Baltinches nester ticus) (Pasnester oded gird ticut. ng at . 250; 252;

ENT LITERATURE.— Ridgway's Birds of North and Middle America, Part V. 256; Sclater's Birds of Colorado, 258; Howell's Birds of Arkansas, 259; Burns on the Broad-winged Hawk, 259; Bent on Birds of the Aleutian Islands, 260; Nelson and Goldman on New Birds from Panama, 261; Mearns on New African Birds, 261; Herrick's Nests and Nest-Building in Birds, 262; Boebe and Crandall on The Un-(Contents continued on p. iii of cover.)

'THE AUK,' published quarterly as the Organ of the American Ornitholo-GISTS' UNION, is edited, beginning with the Volume for 1912, by Mr. WITMER STONE, of Philadelphia.

Terms: — \$3.00 a year, including postage, strictly in advance. Single num-Free to Honorary Fellows, and to Fellows, Members, and bers, 75 cents.

Associates of the A. O. U. not in arrears for dues.

Subscriptions should be addressed to DR. JONATHAN DWIGHT, Jr., Business Manager, 134 West 71st St., New York, N. Y. Foreign Subscribers may obtain 'The Auk' through R. H. PORTER, 9 PRINCES STREET,

CAVENDISH SQUARE, W., LONDON.
All articles and communications intended for publication, and all

books and publications for notice, should be sent to Mr. Witmer Stone, Academy of Natural Sciences, Logan Square, Philadelphia, Pa. Manuscripts for general articles should reach the editor at least six weeks before the date of the number for which they are intended, and manuscripts for 'General Notes' and 'Recent Literature' not later than the first of the month preceding the date of the number in which it is desired they shall appear.