

able races which Dr. Wetmore describes in the present paper¹ as *Dulus dominicus ovedo* (p. 117) from Gonave Island and *Coereba bananivora nectarea* (p. 118) from Tortue Island.—W. S.

The Ornithological Journals.

Bird-Lore. XXXI, No. 4. July–August, 1929.

Among the Bulrushes. By Frank N. Wilson.—Photography of Pied-billed Grebe and Red-winged Blackbird, presumably near Ann Arbor, Mich.

Birds' Eyes. By Thos. H. Shastid.—Structure and powers of sight discussed. Pigeons were able to detect a small particle of a wheat grain and fly to it at a distance of 70 feet while a human eye could barely distinguish it at a distance of a foot.

The Last Heath Hen. By Alfred O. Gross.—Photographs of the last individual which was seen from December 8, 1928 to May 11, 1929; after which none has been observed.

The colored plate by Sutton represents the Arizona and Red-cockaded Woodpeckers with plumage notes by Chapman and migration dates by Oberholser.

In the Audubon Department is an excellent account of the life of the Green Heron by Dr. Arthur A. Allen.

The Condor. XXXI, No. 4. July–August, 1929.

Nesting of the Laughing Gull in Southern California. By Loye Miller and A. J. vanRossem.

Roadways as they affect Bird Life. By Jean M. Linsdale.—As an offset to the complaints of the number of dead birds found on roadways the author calls attention to the many factors that tend to increase bird life along roadways, increased food supply, shelter, presence of water in ditches or puddles, nesting sites offered by hedges and resting places on wires, etc. He concludes that roadways have been responsible for the increase in the numbers of many species over what they were before the roads were established.

The Function of the Oil Gland. By J. Eugene Law.—An important paper in which Chas. Waterton's claim that the function of the gland is not to lubricate the feathers is upheld with very strong evidence. Mr. Law presents evidence to show that oil is absent from the contour feathers of birds, that the plumage furnishes a waterproof covering without the assistance of oil, and suggests that the function of the oil gland is the lubrication of the beak which is subject to hard usage and would be likely to crumble and wear if not kept in good condition.

The Whooping Crane Continues to Visit Louisiana. By E. W. Nelson.

Notes on Oömetry. By Griffing Bancroft.—A discussion of the value of egg measurements.

¹ New Races of Birds from Haiti. By Alexander Wetmore. Proc. Biol. Soc. Washington, Vol. 42, pp. 117–120. March 25, 1929.

An Untilled Field for a Revised Kind of Research in Zoology. By Wm. E. Ritter.—An important discussion of the need of research for answering the question "In what way and how well do animals use their heads toward solving the problems by which they are always confronted under natural conditions?" and the intimation that these questions constitute an untilled field, inasmuch as they seem to have fallen between the fields of zoology and psychology, while ecology has not functioned in giving them proper attention. The points involved are many and the suggestions pertinent. The paper deserves the careful attention of field students as it is to them especially that possibilities are open.

A New Cormorant from the Miocene of California. By Loye Miller.—*Phalacrocorax femoralis* (p. 167).

On the Subspecific Validity of *Anser gambelli* Hartlaub. By Nagamichi Kuroda.—In which the validity of the two races of the White-fronted Goose is maintained but the application of Hartlaub's name questioned.

The Wilson Bulletin. XLI, No. 2. June, 1929.

The Heath Hen Census for 1929. By Alfred O. Gross.—With photographs of the "last bird."

Nesting of the Pine Siskin in North Dakota. By Russell Reid.

Nesting of the Pine Siskin in Iowa. By Marie Dales and W. W. Bennett.

Pine Siskin in Nebraska, its seasonal Abundance and Nesting. By Myron H. Swenk.—These three papers are fully illustrated with photographs of nests and describe one of those occasional nestings of this species south of its usual range.

Notes on Bird Mimicry with Special Reference to the Mockingbird. By Frank F. Gander.

Some Unusual Water Bird Visitors to Tennessee. By Albert F. Ganier.

The Oölogist. XLVI, Nos. 6 and 7. June and July, 1929.

A Trip to Ram Island, Mass. By Charles L. Phillips (June).

Black-necked Stilts Nesting on the Atlantic Coast of Florida. By R. C. Hallman.

Also a record of Green-tailed Towhee at Regina, Sask. (p. 96) (July).

Bulletin of the Northeastern Bird-Banding Association. V, No. 3. July, 1929.

Migration in Relation to Barometric and Temperature Changes. By Wm. Rowan.—A remarkable departure of migrant water-fowl coincident with slightly falling temperature, very high barometer and clear skies.

An Unusual Mallard Return. By F. C. Lincoln.—Nested three years in the same box at Antioch, Neb.

White-throated Sparrow Plumages. By Marion T. Boggs and John T. Nichols.—Interesting data on molt. The dull plumage may be carried for more than a year, and the high nuptial dress may become much duller at a subsequent molt.

Studies of a Barn Swallow Colony. By Helen J. Robinson.

In the short notes E. C. Hoffman reports a Cowbird depositing two eggs in captivity over night and suggests that, by the ability to delay egg laying, part of the period of incubation may be represented by a period of retention which would make the incubation period of this species apparently shorter than that of its victims.

The Cardinal. II, No. 6. July, 1929.

Consists of a list of books on Ornithology in the Carnegie Library of Pittsburgh, Pa.

The Murrelet. X, No. 2. May, 1929. (Mimeographed journal).

Afield and Afloat with Dawson. By J. M. Edson.—Diary of trips with the late W. Leon Dawson.

Numerous local notes on birds of Washington.

The Wren-tit. I, Nos. 1 and 2. January and April, 1929.

An Unusual Nesting of Cliff and Barn Swallows. By Gayle Pickwell.—In an old boat house mired in the mud. (January).

Finches and Elms. By Gayle Pickwell.—Notes the acquired habit of various birds to feed on elm seeds.

The Ibis. (XII series). V, No. 3. July, 1929.

On the Birds Collected during the Fourth Expedition to French Indo-China. By J. Delacour. Part II.

On the Nesting of the Penduline Titmouse (*Remiz pendulinus pendulinus*) in the Camargue. By William E. Glegg.

Some Miscellaneous Notes on European Birds. By W. A. Payn.

Notes on the Nesting and Plumages of Vultures. By Willoughby P. Lowe.

Some Notes from southwestern Transylvania and the Banat of New Rumania. By W. M. Congreve.

Birds of the Alps in Winter. By J. B. Watson.

Further Notes on the Ornithology of the Naples District. By B. W. Tucker and J. G. vanOordt.

Bulletin of the British Ornithologists' Club. CCCXXXIV. July 10, 1929.

An account of lantern slides of Australian birds exhibited by Mr. Clifford Coles.

David Bannerman discussed the Harlequin Quails and proposed as new *Coturnix delegouguei arabica* (p. 109) South Arabia; N. B. Kinnear proposed *Certhia familiaris ripponi* (p. 109) in place of *C. f. intermedia* preoccupied; Rothschild and Hartert describe *Manucodia ater subalter* (p. 110) Aru Islands.

British Birds. XXIII, No. 2. July, 1929.

Notes on Breeding Habits of the Eider in the Orkneys. By D. J. Robertson.

The Walking of the Fulmar Petrel. By C. Noble Rollin.—Confirms the statement that no Petrels can walk on their toes, notwithstanding the many plates and mounted specimens to the contrary, but makes the exception that he has seen the Fulmar do so very rarely.

Behaviour of Titmice under Artificial Conditions. By Alice Hibbert-Ware.—Fed peanuts on a window sill and inside the room, the birds returned to the same window the next season, indicating the possession of a non-instinctive memory.

British Birds. XXIII, No. 10. August, 1929.

Notes from Lancashire and Manx. Also a figure of a Tawny Owl pellet containing the entire skull of a Snipe with bill intact; and a photograph of a Mallard's nest in a Crow's nest.

British Birds. XXIII, No. 1. June, 1929.

Contains another of Wm. Rowan's admirable articles on the Alberta Waders covering the two Yellow-legs, illustrated by the author's exquisite pencil drawings.

The Oölogists' Record. IX, No. 2. June, 1929.

A Day with *Menura novae-hollandiae* (Superb Lyrebird). By J. A. Ross.

Observations on Some of the Raptores Breeding in the Beatrice District of Southern Rhodesia. By Walter Krienke.

The Nest of *Scotornis climacurus*. By C. R. S. Pitman.

Notes on the Breeding of the Black Rail (*Limnocolax flavirostris*). By C. R. S. Pitman.

The Avicultural Magazine. (Fifth series) VII, Nos. 6, 7 and 8. June to August, 1929.

Articles on the Pigeons by T. H. Newman run through all three numbers.

There are colored plates of Elliott's Pitta (June) and Fire-tufted Barbet (*Psilopogon pyrolophus*) (August).

Aviculture. (Series II) I, Nos. 3 to 7, March to July, 1929.

This excellent journal has changed its name from the 'Avicultural Magazine' a name already in use by the British magazine.

Anyone not acquainted with the progress of aviculture in America will be astonished at the amount of data contained in this publication, derived wholly from the experiences of American aviculturists; and those desiring to take up this line of work will find here all the information that they desire. Two articles of especial interest to the ornithologist are Lee S. Crandall's account of his collecting of Birds of Paradise and Dr. Leon Patrick's account of the collection made for the San Diego Zoo by Henry Staats, Jr. There are handsome colored plates of two Starlings, *Cosmopsarus regius* and *Spreo superbus* (June) and a group of Lovebirds and Parakeets (July).

The Emu. XXI X, Part I. July, 1929.

Barnardius occidentalis and its allies. By J. R. Kinghorn.—With a colored plate.

Land Birds of Lord Howe Island. By M. S. R. Sharland.—Rats have exterminated several native species of birds, and Owls have been introduced from Australia in an attempt to keep down these "vermin." Our "enlightened" American game commissions, which are bent upon exterminating the Hawks and Owls, which they term "vermin" should take warning, before it is too late, of the economic value of the birds they are destroying.

A Proposed National Park. With Continuation Notes on the Avifauna of the Upper Reaches of the Macleay River. By J. J. DeWarren.

Australian Birds and their Island Home. By J. A. Leach.—An interesting and instructive analysis of the Australian avifauna.

Arrivals and Departures of Birds in South-Western Victoria. By C. Sullivan.

Robins. By Hugh A. C. Leach.—Very different birds from our American or the English bird of the same name.

Through a Drought-Stricken Land. By W. D. K. MacGillivray.—Parts of Queensland which have suffered the most severe drought since the discovery of the country. Many excellent photographs of Australian birds are presented.

The South Australian Ornithologist. X, Part 3. July, 1929.

A Trip to the Islands near the River Murray Mouth. By J. Sutton.

Letters from John Gould to F. G. Waterhouse. By J. Sutton.—In the South Australian Museum of which Waterhouse was Curator.

The Bateleur. I, No. 2. April, 1929.

Further Notes on the Birds of Uganda. By H. F. Stoneham.

European Migrants in E. Africa. By H. F. Stoneham.

Many local notes on African birds.

Alauda. I, No. 2. June, 1929.

The Distribution of *Petronia petronia petronia* in France. By J. Dela-main.

Remarks on the ethology of *Passer simplex*. By H. Heim de Balsac.

Note on the Great Swift of Madagascar (*Micropus melba willsa*). By L. Levauden.

An analysis of the Voice of Birds. By H. Jouard.

L'Oiseau. X, No. 6. June, 1929. [In French].

Notes during an excursion in New Caledonia. By J. A. Leach.

A New Case of Hybridity among the Hummingbirds. By J. Berlioz.—*Agrytria fimbriata nigricauda* × *Hylocharis cyanus*. A list of other recorded hybrids is appended.

The Characteristic Avifauna of the Department of Loir-et-Cher. By R. Reboussin (continued in July).

L'Oiseau. X, No. 7. July, 1929. [In French].

The Blue Titmice of Europe. By M. Legendre.

The Cold and the Birds during the Winter of 1928-1929. By A. Hugues.

Articles on Pigeons by T. H. Newman and on instructions for transportation of live birds by J. Delacour run through the avicultural departments of both issues.

Journal für Ornithologie. LX XVII, Heft 3, July, 1929. [In German].

Remarks on the Biology of the Geese. By E. Christoleit.

The Palearctic Jays (*Perisoreus infaustus*). By P. Suschkin and B. Stegmann.—Fifteen subspecies recognized of which six are described as new.

My trip to the Islands between Flores and Celebes. By V. vonPlessen, followed by a report on the collection from Djampea and adjacent islands by W. Meise.—With descriptions of fourteen new races.

On the Breeding Habits of the Nutcracker (*Nucifraga c. caryocatactes*). By M. and H. Bartels.—With beautiful photographs.

Uragus.¹ Vol. VIII, pts. 3-4, 1928. [In Russian].

The Avifauna of Lake Bolschye Rakity and its immediate vicinity. By G. A. Welishanin.

Preliminary List of the Birds of the Tobolsk Region. By M. Tarunin.—A nominal list of 208 species.

On the Birds in the Vicinity of Smeinogorsk. By V. Selewin.

On the Habits of *Circus melanoleucus* Forster in the Ussuri Region. By G. Dulkeit.

An Oological Expedition to Lake Tschany. By S. D. Lavrov.

Miscellaneous contributions.

Bibliography.

Uragus.¹ Vol. IX, pt. 1, 1929. [In Russian].

In Memoriam, Prof. P. P. Suschkin (with portrait). By A. Tugarinow.

The Birds of the Barnaul Region. By A. P. & G. A. Welishanin.

Supplement to the Avifauna of the Alej Steppe. By V. Selewin.

Buteo vulpinus, its Life History and Distribution in the vicinity of Tomsk. By B. Belischew.

Miscellaneous contributions, including a report of the Siberian Ornithological Society for 1928.

¹ Review contributed by T. S. Palmer.