

was really a Eurylaemid. Therefore the importance of an examination of the anatomy of *Pseudocalyptomaena* became at once evident.

Dr. Lowe's exhaustive study of the specimens shows beyond question that this little bird is really another African member of the Broadbill family while his deductions from this fact are even more interesting than his anatomical study. He finds evidence, especially in its skull structure, that this bird is slightly more generalized than the oriental Broadbills and hence probably represented a peripheral colony of Broadbills which was cut off from the center of distribution by severance of land connection or the dying out of possible connecting forms to the north, and has thus preserved for us an earlier type of Broadbill structure than is to be found in the main stronghold of the family today. Most remarkable of all, however, is the preservation of a Broadbill type of coloration. This suggests, as Dr. Lowe puts it, "that if environment in its broadest sense has any thing more than a survival influence then it is strange that such a superficial character as the distinctively Eurylaemid coloration has not ages ago been brought into line with the characteristic coloration of African birds in general." Yet, as he says, during the millions of years that this little bird has been isolated from its Oriental ancestors "not a detail of its anatomical "make up" appears to have been affected in the slightest degree, in so far as its likeness to the Eurylaemid picture is concerned."

In 'The Ibis' for 1925 Dr. Lowe calls attention to the importance of the study of color-pattern in birds as often of almost as much assistance in gaining phylogenetic clues as more deep seated structures, and the present reviewer emphasized the same point in a paper on 'The Phylogenetic Value of Color Characters in Birds' in the Journal Acad. Nat. Sci. Phila., XV, 1912, pp. 313-319.

Dr. Lowe has made a notable contribution to avian anatomy as well as to zoogeography.—W. S.

#### The Ornithological Journals.

**Bird-Lore.**—XXXIII, No. 3. May-June, 1931. A Day with the Birds of Glacier National Park. By Winton Weydemeyer.

The Prothonotary Warbler of the Willow Stub. By Lawrence H. Walkinshaw.—Nesting at Battle Creek, Mich., with photograph.

Dwellers of the Marsh Jungle. By Ben East.—At Grand Rapids, Mich., with photographs of the Long-billed Marsh Wren, Florida Gallinule Least Bittern and Black Tern.

In the Audubon Department Dr. A. A. Allen has an excellent life history of the Song Sparrow, while the Vesper Sparrow, from a painting by Allan Brooks, forms the color plate.

**Bird-Lore.** XXXIII, No. 4. July-August, 1931.

Mrs. Hummer at Home. By A. Margaret Heydweiller.

Sandpiper Town. By William A. Paff.—A study at Beach Haven, N. J. with photographs of the Sanderling, Turnstone and Semipalmated Plover.

Mockingbirds Nesting at Bangor, Maine. By Bertha L. Brown.

Factors in the Destruction of Birds' Nests. By Frederick T. Davis.

Dr. A. A. Allen has a splendidly illustrated article on the Florida Gallinule and the color plate represents the Cuckoos, with the usual discussion of plumages and migration.

**The Condor.** XX XIII, No. 4. July-August, 1931.

Birds and Eucalyptus Trees. By John McB. Robertson.

Winter Habits of the Heppburn Rosy Finch at Clarkston, Wash. By D. J. and A. M. Leffingwell. With photographs.

Egg-laying Record of a Captive Mourning Dove. By Margaret M. Nice.—Nine sets or fifteen eggs in sixty-nine days.

An Orangeless Mutant of the Varied Thrush and its Bearing on Sex Color-Differences. By J. Eugene Law.

Notes on Birds Observed along the West Coast of Hudson Bay. By G. M. Sutton.

The Tyranny of the Trinomial. By Harry S. Swarth.—Advocates caution in further trinomial union of hitherto distinct species, especially in joining American and European forms as subspecies, and agrees on the possibility of more or less arbitrary separation of certain long series of subspecies into several specific groups.

The Type Locality of the Verdin. By Joseph Grinnell.—Determined to be northern Lower California and the form from southwestern California is named *A. f. acaciarum* (p. 168).

**The Wilson Bulletin.** XLIII, No. 2. June, 1931.

Survival and Reproduction in a Song Sparrow Population During one Season. By Margaret M. Nice.

Notes on the Song and Territory Habits of the Bullock's Oriole. By Alden H. Miller.

The Status of the Goshawk in Pennsylvania. By George M. Sutton.

Birds of Southern Louisiana. By Alfred M. Bailey and Earl G. Wright.—With many beautiful photographs.

**The Cardinal.** III, No. 2. July, 1931.

Identification of Shore-birds. By John T. Nichols.

The Struggle for Existence. By Carl W. Schlag.—Titmouse nest attacked by Wrens.

A Glimpse of Audubon.—Extracts from Webber's 'Romance of Natural History' published in 1852, giving an account of a personal association with Audubon on his return from the Missouri River trip.

**Bird-Banding.** II, No. 3. July, 1931.

Returns of Song Sparrows in 1931. By Margaret M. Nice.

Banding of the Last Heath Hen. By Alfred O. Gross.—With photographs.

Progress of Conservation in Canada. By Hoyes Lloyd.

Return of Wintering Birds to Summerville, South Carolina. By William P. Wharton.

**The Oölogist.** XLVIII, No. 4. April, 1931.

Texas Vacationing. By Mrs. B. Reid.

Lapland Longspurs on a Lark. By J. D. Allen.—A flight of the birds through North Dakota in February.

**The Oölogist.** XLVIII, No. 6. June, 1931.

Notes on Birds of Prowers County, Colo. By Leon Kelso.—A long annotated list.

**The Oölogist.** XLVIII, No. 7. July, 1931.

Ospreys Nesting in Maryland. By W. A. Smith.—Eggs collected near Ocean City, Md.

The Monarchs of Petrarjarvi. An account of Ospreys in Finland. Translated from the Finnish.

**Iowa Bird Life.** I, No. 2. June, 1931.

Contains many local notes, a paper by Miss Althea R. Sherman on "A Choice of Birds" and an account of the ninth annual meeting of the Iowa Ornithologists' Union.

**The Raven** (mimeographed journal). II, Nos. 6 and 7. June and July, 1931.

Devoted wholly to local notes from several localities in Virginia.

**The Flicker** (mimeographed journal). III, No. 2. 1931.

Local notes and articles on "Unusual Nesting Sites" by Alden Reiser and on "Bird Sounds at Night" by Gustav Swanson.

**The Migrant.** II, No. 2. June, 1931.—Devoted to Tennessee birds.

Summer Warblers of Shelby County. By B. B. Coffey, Jr.

Nesting Data on Middle Tennessee Birds. By Vernon Sharp, Jr.

**The Ibis.** (XIII series) I, No. 3. July, 1931.

The Birds of "L'Ile de la Camargue et la Petite Camargue." By W. E. Clegg (continued).

Account of an Expedition to Sierra Leone and French Guinea on Behalf of the British Museum. By G. L. Bates with an Introduction by D. A. Bannerman.—The systematic list will follow.

John Latham an Early English Ornithologist. By G. M. Mathews.—An excellent biography with portrait.

The Birds of the Region South of Lake Nyassa. By A. H. Paget-Wilkes (continued).

On the Relation of the Gruimorphae to the Charadriimorphae and Rallimorphae, with special reference to the Taxonomic Position of *Rostratulidae*, *Jacanicidae*, and *Burhinidae* with a suggested new order (*Telmatomorphae*). By Dr. Percy R. Lowe.—This important article presents

the results of much anatomical investigation of *Rostratula* from which the other lines of research developed.

Dr. Lowe's conclusions, briefly stated, are that the Rails form a distinct order more generalized and more primitive than the Gruimorphae (properly speaking), and that the latter are not separable as an order from the Charadriimorphae, while the Jacanidae, Burhinidae and Otididae are to be associated with the Gruimorphae. To avoid confusion he proposes a new name "Telmatomorphae" for the entire assemblage. Rostratulidae he places at the bottom of the Limicolae as a separate family. We thus have as Suborders of the Order Telmatomorphae:

(a) Gruae (Gruidae, Psophiidae, Aramidae, Rhinocetidae, Eurypygidae, Otididae, Burhinidae, and Jacanidae.)

(b) Limicolae (Rostratulidae, Charadriidae, and Scolopaciidae.)

(c) (Thinocorythidae, Glareolidae, Chionididae, Dromadidae, and Laridae.)

The family Cariamidae is suggested as a possible member of the Gruae.

Field-Notes on the Guiana King Hummingbird. By E. M. Nicholson.—An exhaustive life history.

Equatorial Reflections on Periodism in Birds. By E. E. Moreau.—After an eulogy upon the work of Rowan, the author proceeds to discuss some problems suggested to him by the latter author. His discussion is summarized in three statements: (I) That as to migrants which do not reach the tropics, Rowan's statement that they are subject to photo-periodism is accepted. (II) That of migrants that enter or pass through the tropics, Rowan's suggestion that they are actuated by internal rhythms based originally upon photo-periodism is approved as a working hypothesis. (III) Of birds passing their entire life in the tropics, many species, contrary to popular belief, seem to be subject to a periodism apparently fundamentally different from that actuating either of the other groups. Suggestions for lines of inquiry are offered.

In the numerous "Short Notes" we find a new name proposed by W. L. Sclater and C. Mackworth Praed, viz. *Serinus mozambicus grotei* (p. 581) for *S. m. aurifrons* preoccupied.

**Bulletin of the British Ornithologists' Club.** CCCLI, June 4, 1931.

W. L. Sclater describes the following: *Apalis moreaui* (p. 109), *Chlorophoneus nigrescens* (p. 110), and *Dioptornis fischeri amani* (p. 112), all from the Amani forest in the Usambara District of Tanganyika.

David A. Bannerman: *Streptopelia roseogrisea bornuensis* (p. 115), northern Nigeria; *Stigmatopelia senegalensis thome* (p. 115), St. Thome Island; and *Columba livia atlantis* (p. 116), Azores.

**Bulletin of the British Ornithologists' Club.** CCCLII. July 15, 1913.

F. C. R. Jourdain describes a recent trip to Palestine and Syria.

David A. Bannerman describes: *Sheppardia cyornithopsis houghtoni*

(p. 128), near Freetown, Sierra Leone and G. M. Mathews, *Hypotaenidia philippensis norfolkensis* (p. 129), Norfolk Island.

**British Birds.** XXV, No. 1. June, 1931.

On a Remarkable Action-Photograph of a Montagu's Harrier. By R. R. Graham.—Feathers shown ruffled on the upper side of the wings by reverse air current as the bird checked its flight in alighting.

North Sea Migrants. By D. K. Wolfe Murray.—Dates and wind conditions.

The Display of the Mallard. By Henry Boase.

Manx Ornithological Notes. By P. G. Ralfe.

**British Birds.** XXV, No. 2. July, 1931.

Experimental Studies of the Ringed Plover. By George Marples.—Eggs buried in sand were dug out by the bird while those placed outside the nest were drawn back to it by arching the head over the egg and walking backward. Dummy wax eggs, painted to resemble the real eggs, were retrieved in the same manner as also eggs painted yellow, red and blue, but not those painted in dull tints like the surrounding pebbles, nor pebbles themselves shaped like the eggs. When the pebbles were painted like the eggs, however, they were retrieved and incubated.

**British Birds.** XXV, No. 3. August, 1931.

Breeding of the Whimbrel in Invennesshire. By A. H. Daukes.

Red-headed Bunting in Orkney—A New British Bird. By G. E. Todd.

Notes on the Songs and Cries of the British Nuthatch. By John Walpole-Bond.

**The Oölogists' Record.** XI, No. 1. March, 1931.

Field Work of the British Ornithologists' Union. By F. C. R. Jourdain.

Notes on a Visit to Algieres in Spring. By R. F. Meiklejohn.

Nesting of *Phalaropus lobatus* in Shetland. By W. E. Glegg.

Birds Observed in the Neighborhood of Angol, Chile. By D. S. Bullock.

**The Oölogists' Record.** XI, No. 2. June, 1931.

The Problem of the Cuckoo. By R. F. Meiklejohn.—Suggests that there is a certain amount of individual variation in habit in birds and that in the case of the Cuckoo's habits both sides may be right on disputed points.

The Problem of the Cuckoo. By E. C. Stuart Baker.—A rejoinder to the above.

Nesting of the Canada Jay. By T. E. Randall.

Notes on the Breeding of *Hirundo abyssinica unitatis*. By C. R. S. Pitman.

**The Bateleur.** III, No. 2. April, 1931.

Notes on Birds of Nkose Island, Victoria Nyanza. By C. R. S. Pitman.

African Bird Names in Nubian-Arabic. By H. F. S[toneham].

Birds of the Marsabit Mountain, Kenya Colony, Part IV. By H. B. Sharpe.

The Birds of Bahati Woods, Kenya Colony. By G. W. Jeffery. Part II.

**The Bateleur.** III, No. 3. July, 1931.

Waders at the Cape of Good Hope. By E. L. Gill.

The Stoneham Museum. An interesting account of this important institution.

We regret to learn that the world wide depression has so seriously affected the subscription list of 'The Bateleur' that it will be forced to suspend or possibly to broaden its scope so as to include other branches of science besides ornithology. We trust that the subscriptions which are solicited to keep up this valuable publication will be forthcoming.

**The Emu.** XXXI, Part 1. July, 1931.

The Status of the Spectacled Flycatcher of Australia. By K. A. Hindwood.—With a colored plate.

Scientific Collecting. By J. B. Cleland.—A list of requirements for one obtaining a permit.

Holiday Jaunts in New Zealand. By R. H. D. Stidolph. With list of birds and excellent photographs.

Notes on Four Species of Dotterels. By R. T. Littlejohns.—Beautiful photographs.

Birds of Port Stephens, N. S. W. By H. E. Hordern.

The Gray Goshawk in Captivity. By E. L. Hyem.

Birds of the Northern District, W. A. By C. F. H. Jenkins.

Additions to the Birds of the Kurrajong Upper Colo District. By K. A. Hindwood.

The Azure Kingfisher. By A. J. Marshall.

Notes on a Trip to the Macpherson Range. By N. J. Favaloro.

Food of the Red-capped Parrot. By J. Neil McGilp.

The Catbird. By Norman Chaffer.—The Australian Catbird is, by the way, a species of Bower bird an ally of the Birds of Paradise.

Eggs of the Banded Stilt. By F. E. Howe and J. A. Ross.

The Genus *Arses* in Australia. By George Mack.

A Queensland Sanctuary. By Lila M. Mayo.

This issue of 'The Emu' like others is notable for the beauty of its half-tone illustrations and demonstrates the high quality of ornithological photography in Australia. In this respect it leads the bird journals of the world unless it be 'Bird-Lore.' There are no less than nineteen full page plates in this number.

**The South Australian Ornithologist.** XI, Part 3. July, 1931.

The Night Parrot (*Geopsittacus occidentalis*). By J. Neil McGilp.

A Trip to Bool Lagoon. By J. Sitton.

**Alauda.** (Ser. II) III, No. 2. June, 1931. [In French.]

On the Presence of examples of the Form-Group *Alcedo atthis atthis* in the range of the race *A. t. hispidoides*. By A. Laubmann.

Extract from a Journal of Ornithological Observations at the Port of Geneva. By R. Poncy.

Mineral Composition of Birds' Egg Shells and the Nutritive Function of the Shell. By Heim de Balsac.

A Contribution to the Ornithology of the Eastern Pyrenees (continued). By H. Jouard.

Apropos of an Article by Jourdain on Our Present Knowledge of the Breeding Biology of Birds. By J. deChavigny.

A Contribution to a Study of the Molt of the Shearwaters (*Puffinus*). By N. Mayaud.

On the Wintering of *Turdus torquatus* in Algiers. By Heim de Balsac.

On Some Questions of Systematic Nomenclature. By G. Dementieff.—*Aquila chrysaetos daphanea* was described by Severtzow not Menzbier; *Aesalon columbarius insignis* is antedated by *A. columbarius alaudarius* of the same author, while his *Athene noctua orientalis* is the name for the race of Thian-Chan.

On the "Rhythm" of egg laying in Birds. By Heim de Balsac.

The Secret of the Grebe. By P. Madon.—Much attention given to the food of various Grebes and their habit of devouring their feathers.

**L'Oiseau.** (New Series) I, No. 4. April, 1931. [In French.]

The Gray Titmice of Europe. By M. Legendre. (Continued in Nos 5-7.)

The Silver Oriole (*Oriolus mellianus*). By E. Stresemann.—With a colored plate.

Notes on the Birds of the Philippines II (continued). By M. Hachisuka in Nos. 5 and 7.

The Crossbill in the Finistre Provence. By F. Lebourier.

A Curious Pathological Case of a Thrush. By E. Moreau.—Diseased skull.

The Nest of Swallows. By P. Jabouille.

Bird Cages for the House. By M. Legendre. (Continued in Nos. 5-7.)

**L'Oiseau.** (New Series) I, No. 5. May, 1931. [In French.]

Birds of the Genus *Regulus* of Europe. By M. Legendre.

The Crossbill Invasion of 1930. By R. Reboussin.

Aviculture in America. By J. Delacour.

Other Avicultural notes.

**L'Oiseau.** (New Series) I, No. 6. June, 1931. [In French.]

Localization and Ornithological Associations of the Territory of the Camargue. By R. Reboussin.

A Contribution to the Distribution of Birds in West Africa. By G. Bouet. (Continued in No. 7.)

**L'Oiseau.** (New Series) I, No. 7. July, 1931. [In French.]

On the Phylogeny of the Hummingbirds of the Genus *Thalurania*. By J. Berlioz.

Some New Remarks on Nomenclature. By J. Delacour.—Quotations from opinions of Dr. K. Jordan.

**Journal fur Ornithologie.** LXXIX, Heft 3. July, 1931. [In German.]

Stork Observations in 1930, in Oldenburg. By Tantzen.

Observations on the Feeding of Diurnal Birds of Prey and Owls in 1930. By O. Uttendörfer.

Birds' Eggs from Kansu. By M. Schönwetter.

On the Spreading of the House Sparrow. By W. S. Stachanow.—In the far East.

*Passer domesticus* in Mexico. By F. Heilfurth.

A Contribution to the Ornithology of Macedonia. By W. Banzhaf.

On the Biology of the Bittern (*Botaurus stellaris*). By R. Zimmermann.

On the Syrinx of some Song Birds of New Guinea. By E. Mayr.—*Gymnorhina*, *Melampitta*, and *Orthonyx*.

A Contribution to our Knowledge of the Plumages of the Snow Bunting (*Plectrophenax nivalis nivalis*). By O. Natorp.

On the Habits and Breeding of *Haematopus ostralegus longipes*. By H. Grote.

A Contribution to the Breeding Habits of *Larus argentatus* and *Sterna sandvicensis*. By G. Steinbacher.

On the Alimentary Canal of the Dicaeidae: Its Form and Function. By H. Desselberger.

On the Habits of *Spermestes nigriceps*. By A. Adersparre.

An Investigation of the Function of the "Herbst" Corpuscles. By Hans Schildmacher.

Eiler Theodor Lehn Schiöler. By O. Helms.—In Memoriam—with a portrait.

**Ornithologische Monatsberichte.** XXXIX, No. 3. May-June, 1931. [In German.]

Blasius Merrem, the Author of the Generic Names *Philomachus* and *Calidris*. By O. Schnurre.—These names have been adopted in the A. O. U. Check List with their authorship anonymous.

On the Anatomy and Systematic Position of Salvadori's Duck (*Salvadorina waigiensis*). By E. Mayr.—Allied to *Anas*.

On the Biological Significance of the Sex Dimorphism in the Rough-winged Swallows, *Psalidoprocne* and *Stelgidopteryx*. By G. Steinbacher.

Winter Observations at Malaga. By Leo von Boxberger.

Preliminary Report on the Ornithological Results of the Heinrich Expedition of 1930-31. By E. Stresemann.—This installment covers the ornithology of the Matinang Mountains, Celebes, with descriptions of



*Cyornis sanfordi* (p. 79) and new subspecies of *Dendrobiastes*, *Phylloscopus*, *Heinrichia*, *Geomalina*, *Pseudozosterops*, *Myza*, and *Centropus*.

In the Short Notes Grote (p. 91) proposes *Emberiza cabanisi cognominata* for *E. c. major* (Cab.) preoccupied.

**Ornithologische Monatsberichte.** XXXIX, No. 4. July, 1931. [In German.]

On the Ornithological Results of the Heinrich Expedition. By E. Stresemann.

Ornithology of Minahassa, North Celebes. *Eurostopodus diabolicus* (p. 103) and *Monachalcyon princeps erythrorhamphus* (p. 104) are described as new.

New Forms from Northern Kansu. By E. Stresemann. *Tribura major netrix* (p. 105) and *Parus rufonuchalis whistleri* (p. 107) are described as new.

On the Food of the Swamp Owl (*Asio flammeus*). By R. Gerber.

On the Greenland Fringillidae. By Finn Salomonsen.—Discussion of Schiöler's treatment of these birds.

**Der Vogelzug.** II, No. 3. July, 1931. [In German.]

New Recoveries of Banded *Corvus c. cornix*. By J. Thoenemann and E. Schuz.

Migration in Strong Adverse Wind. By Geyr V. Schweppenburg.

Migration against the Wind in Finch Flight. By R. Drost.

*Phylloscopus* in Heligoland. By Finn Salomonsen.—Three races present in migration.

Migration of Young Storks without Guidance of Adults. By Werner Ruppell.

Distinguishing Marks for Sex and Age in Migrant Birds. By R. Drost.—Deals with plumages of European species.

Returns of Banded Birds from Foreign Stations. By E. Schuz.

**Beiträge zur Fortpflanzungsbiologie der Vögel.** VII, No. 4. July, 1931. [In German.]

Observations on the Nesting of the Swamp Owl (*Asio flammeus*). By E. Christoleit.

Delay in Breeding Activities in the Nutcracker (*Nucifraga caryocatactes*) Due to Snow and Cold. By M. Bartels, Jr.

On the Biology of *Cettia cetti cettioides*. By K. A. Worobiew.

Inquiry on the Number of Eggs laid by three Species of Larks. By M. Naun.

Notes on Birds' Eggs from Central Polynesia. By G. Timmermann.

Observations on Breeding Terns. By Bruno Resuhr.

**Beiträge zur Fortpflanzungsbiologie der Vögel.** VII, No. 5. September, 1931. [In German.]

Breeding Habits of Birds of the Syrian Desert and Lebanon. By I. Aharoni.

Observations on the Nesting of *Charadrius dubius curonicus*. By G. Creutz.—With good photographs.

Observations on the Breeding of Cranes (*Megalornis grus*). By L. Schuster.

**Der Ornithologische Beobachter.** XXVIII, Heft 1. May, 1931.  
[In French or German.]

The Birds During the Snow of March, 1931. By Olivier Meylan.

Mass Deaths Among Birds. By A. Schifferli.

On *Fringilla montifringilla*. By A. Mathey-Dupraz.

Many local notes on Swiss birds in this and the following numbers.

**Der Ornithologische Beobachter.** XXVIII, Heft 9. June, 1931.  
[In German.]

The Italian Bird-Banding Station. By E. and T. Schuz.—With several photographs.

A New Way to Study Bird Flights. By Julie Schinz.

**Der Ornithologische Beobachter.** XXVIII, Heft 10. July, 1931.  
[In French or German.]

Apropos of the Reverse Migration Observed at Geneva in March. By R. Poncy.

**Der Ornithologische Beobachter.** XXVIII, Heft 11. August, 1931. [In German.]

The Blue-throat Formation. By Werner Sunkel.

On Time Symmetry in Bird Flight. By Ulrich A. Corti.

**Ardea.** XX, Af. 1-2. May, 1931. [In Dutch or German.]

On the Pairing Biology of the Tern. By N. Tinbergen.—An important study of the nuptial performances.

The Copulation of the Sheld-Duck (*Tadorna tadorna*). By G. F. Makkink.

Bird Migration at Vieland in September and October, 1930. By W. H. Van Dobben and G. F. Makkink.

Report on Bird Banding at the Wassenaar Station 1929-1930. By J. P. Bouma, L. J. Kleyn and J. C. Koch.

On the Status of the Stork (*Ciconia ciconia*) in Holland. By Fr. Haverschmidt. Other notes on birds of Holland.

**Orgaan der Club van Nederlandsche Vogelkundigen.** III, No. 3-4, March, 1931. [In Dutch.]

*Sterna gulocephala* in Holland. By G. van der Meer.

Doves of the Genus *Columba*. By Snoukaert van Schauberg.

Numerous local notes and photograph of a Kingfisher's nest in a termites' nest.

**Orgaan der Club Nederlandsche Vogelkundigen.** IV, No. 1. July 1931. [In Dutch.]

Avifauna of the Island of Marken. By P. G. Op de Coul.

Food of the Kestrel (*Falco tinnunculus*). By J. P. Bouma and J. C. Koch.—An examination of 900 pellets showed 73.2% mice, and only 8.5% birds.

Each daily pellet contained one vertebrate rarely two.

Four-hundred Starlings Banded. By J. P. Bouma and J. C. Koch.  
Short Notes on Birds of Holland and Reviews.

**Le Gerfaut.** 1930, Fasc. 4. [In French.]

Note on *Corvus frugilegus*. By F. Visart de Bocarme.

Bird Banding in Belgium. By C. Dupond.

**Danske-Fugle.** XII, No. 1. 1931. [In Danish.]

The 1930 Invasion of Crossbills. By P. Skovgaard.

Numerous notes on the birds of Denmark.

**Ornis Fennica.** VIII, No. 1. 1931. [In Finnish.]

Numerous notes on Finnish birds with migration tables.

**Norsk Ornithologisk Tidsskrift.** (III ser.), No. 11–12. 1931. [In Norwegian.]

The Bird Fauna of Jan Mayen. By J. L. C. Musters.

Other local articles and notes with an abundance of excellent photographs.

**Tori.** VII, No. 31. May, 1931. [In Japanese or English.]

Six Additions to the List of Japanese Birds. By Y. Yamashima.

*Dryobates leucotos saghalinensis* (p. 1), n. subsp., Sagalin. Another is the North American Canvasback.

A Journey to the Island of Torishima, Seven Islands of Izu. By Y. Yamashima.

On *Rallina suzukii* and *R. fasciata*. By N. Taka-Tsukasa.

On the Ural Owl of Honshu, Japan. By N. Taka-Tsukasa.—*Strix uralensis momiyamae* (p. 14).

The Migration of Certain Birds in Tokyo and Vicinity. By N. Kuroda.

On a New Subspecies of *Bubo blackstoni*. By N. Kuroda.—*B. b. karafutonis*, Sakhalin. (p. 41.)

The Second Lot of Bird Skins from Southern Manchuria. By N. Kuroda.

On the Breeding Birds at Kitami, Hokkaido. By K. Kobayashi.

An Example of *Glareola maldivarum* from Honshu, Japan. By T. T. Momiyama.

**Revista Italiana di Ornitologia.** (Ser. II) I, No. 1. March, 1931. [In Italian.]

On *Cincia ibrida* taken in Italy. By E. Arrigoni degli Oddi.—With plate.—*Parus major* × *P. caeruleus*.

*Turdus sibiricus* in Italy. By A. Duse.

The Gannet in Italy. By E. Festa.

Recoveries of Banded Birds and an extensive bibliography and necrology.

**Kocsag.** IV, No. 1. 1931. [In Hungarian or German.]  
Two Spring Months in Algeria. By W. M. Congreve.  
*Surnia ulula orokensis* (p. 21) n. subsp. Ljugi, Siberia. By W. S. Stachanow.

**Kocsag.** IV, No. 2. 1931. [In Hungarian or German.]  
Sketch of King Ferdinand of Bulgaria and his Museum.  
On the Biology of the Cuckoo. By L. Dobay v. Dobo.  
On Species Making in *Pseudalaudula*. By W. S. Stachanow and E. P. Spangenberg.  
An Eyrie of *Falco cherrug* in the Vertes Mountains. By D. Radetzky.  
Short Notes on Hungarian birds.

**Kocsag.** IV, No. 3. 1931. [In Hungarian or German.]  
Sketch and Bibliography of Dr. Julius Madarasz.  
Ornithological Experiences on Two expeditions to Spitzbergen. By Carl H. Hennieke.  
On Nests of *Aquila pomarina* in Hungary. By I. Kiraly.  
Observations on Bird Migration in Italy, Sicily and North Africa. By Otto Steinfatt.

**The Avicultural Magazine.** (Ser. IV) IX, Nos. 3-8. March to August, 1931.

Colored Plates in the several numbers as follows: Racket-tailed Parrot (*Prioniturus platurus*), Rothschild's Grackle (*Leucopsar rothschildi*), Duyvenbode's Lory (*Chalcopsittacus duyvenbodei*), Red-breasted Parrot (*Poicephalus rufiventris*), Aru Island Parrot (*Geoffroyus aruensis*), Natal Pigmy Kingfisher (*Ispidina picta natalensis*).

A Bird Paradise. By H. Moore.—The island of Jamaica (April).  
Display of the Australian Bustard. By R. R. Minchin (May).  
The First Importation of the Hoatzin (July).  
Notes on Various Rare Pittas. By Sydney Porter (August).

**Aviculture.** (Ser. II) III, Nos. 3-8. March-August, 1931.

Colored plates in the several issues as follows: Green Pigeon (*Crocopus phoenicopterus*), Blue Rock Pigeon (*Columbia livia*), and Red-wattled Lapwing (*Sarcogrammus indicus*), in March; Spix Macaw (*Cyanopsittacus spixi*), in April; Blue-breasted Roller (*Coracias cyanogaster*), in May; Crimson-breasted Conure (*Pyrrhura rhodogaster*), in June; Mexican Black headed Oriole (*Icterus melanocephalus*), in July; and Black-headed Partridge (*Alectoris melanocephala*), in August.

Notes on Birds of Nonsuch Island, Bermuda. By William Beebe (April).

The Distinctive Bird of Bermuda. By Karl Plath (April).—Good photographs of the Yellow-billed Tropic Bird.

Aviculturists Seek the Masked Bobwhite in Mexico. By W. J. Schefler.

An Account of the Trip. By Ralph H. Woods (June and July).—Failed to find the bird but secured many other species.

#### Ornithological Articles in Other Journals.

**Bailey, H. H.** Bulletin No. 6. Bailey Museum and Library of Natural History. June 15, 1931.—Notes on Swainson's Hawk in Florida; an unusual set of Wilson's Plover; Audubon's and Sooty Shearwaters in Florida; and The Florida Burrowing Owl.

**Bond, James.** A New Nuthatch from the Island of Grand Bahama. (*Proc. Acad. Nat. Sci. Phila.*, 1931, p. 389, July 24.—*Sitta pusilla insularis*.)

**Kuroda, Nagamichi.** Watase's Line in the Geographic Division of Southern Japan. (*Dobutsugaku Zasshi*, Vol. 43, pp. 172-175, April 15, 1931. Tokyo.)

**Robinson, H. W.** Dates of Arrival of the Chiffchaff. (*The Naturalist*, June 1, 1931.)

**Stephens, T. C.** Bird Records of Two Winters, 1920-1922, in the Upper Missouri Valley. (*Proc. Iowa Acad. Sci.*, 1930, pp. 357-366.)

**Storer, Tracy I.** Results of Bird and Animal Introduction with Especial Reference to California. (*Monthly Bull. Dept. Agric. Calif.*, April, 1931.)

**Storer, Tracy I.** A Partial Bibliography on the Natural History of California. (*News Notes of California Libraries*, Vol. 25, No. 1, January, 1930.)

**Wetmore, Alexander.** A field with the Birds of Northern Spain. (*Explorations and Field Work of the Smithsonian Institution in 1930*.)

**Wetmore, Alexander and Perrygo, Watson.** The Cruise of the "Esperanza" to Haiti. (*Explorations of the Smithsonian Institution in 1930*.)

**Strecker, John K.** Field Notes on Western Texas Birds (Part One). (*Contributions from Baylor University Museum*, No. 22, May 15, 1930.)

**Swarth, Harry S.** Geographic Variation in the Richardson Grouse. (*Proc. Calif. Acad. Sci.* (IV ser.), Vol. XX, No. 1, pp. 1-7, May 22, 1931.)—In this paper the author presents evidence to show that while there are two forms of this Grouse in British Columbia as Mr. Taverner claimed when he proposed *D. r. flemingi*, *richardsoni* is the dark one and not the light one as Mr. Taverner supposed. Therefore *flemingi* becomes a synonym of it and the pale bird is renamed *D. o. pallidus* (p. 4), type locality, Cornucopia, Oregon.

**van Rossem, A. J.** Descriptions of New Birds from the Mountains of Southern Nevada. (*Trans. San Diego Soc. Nat. Hist.*, Vol. VI, No. 22, pp. 325-332, June 5, 1931.)—But little collecting has apparently been done in the area covered by Mr. van Rossem's explorations of 1930 and several isolated and undescribed races were found on the Charleston and Sheep Mountains of Clark County which reach respectively the Arctic-Alpine and Hudsonian Zones. These are *Cyanocitta stelleri per-*