

the food pressure increased and the insects decreased, the birds and insect parasites became more important. The birds observed feeding on the larvae were: The White-throated Sparrow, the Song Sparrow, the Junco, the Robin, the Black and White Warbler, and several undetermined species of Warblers. . . . The outstanding fact concerning these natural checks is that at all places, such as Fredericton, where the favored food plant was present in abnormally large quantities, the natural checks were wholly incapable of suppressing the insect until it became practically starved out of existence.

"In marked contrast to the Fredericton conditions were those in Madawaska County and at Lillooet in British Columbia, where the favored food plants—balsam fir and Douglas fir, respectively—existed in smaller and more natural quantities." At Lillooet it was found that of the eggs and pupae resulting from an average clutch of 150, fifty-eight were consumed by birds. "In this case," says Dr. Tothill, "the natural checks brought about a reduction of the insect before any trees were killed and in the following year the outbreak subsided entirely, due to continued activity of the birds against the smaller number of larvae. Juncos were by far the most abundant of the birds, but others were,—Mountain Chickadee, Western Tree Sparrow, Western Robin, Western Tanager, Hermit Thrush, Western Evening Grosbeak, Bush-Tit, Pygmy Nuthatch, Red-breasted Nuthatch, Black Phoebe, and Brewer Sparrow."

Ornithologists should certainly appreciate the definite and interesting results Dr. Tothill and his associates are publishing on the part birds play in the natural control of insect pests.—W. L. M.

The Ornithological Journals.

Bird-Lore. XXVI, No. 3. May-June, 1924.

Feathered Friends about my Door. By Mrs. Glen Eaton-Hodson.—On May 29, thirty-three species could be heard from the writer's door at Anoka, Minn.

Hiking with a Pitch-Pipe. By W. B. Olds.—An admirable lesson in analyzing and comparing bird songs.

History of Four Young Birds. By Rose L. Cannon, and others.—Crow, Rosebreast, Cedarbird and Robin.

Our Winter Guest. By Mary C. Rhoads.—A Carolina Wren occupying a green-house as sleeping quarters.

The educational leaflet treats of the Starling and is by E. H. Forbush with a colored plate by Brooks. There are a number of excellent half-tones illustrating various birds scattered through the number.

Bird-Lore. XXVI, No. 4. July-August, 1924.

Birds and Man. By F. M. Chapman.—An address before the National Conference on Recreation at Washington, D. C., May 22, 1924. It would

be difficult to find as complete and concise a presentation of the subject in all our literature and we congratulate the writer on the admirable quality of what he has himself termed "a fifteen minute cross section through ornithology."

The Rewards of Bird-Banding. By John A. Gillespie.—Observations on various species.

On the Migration Habits of the Starling. By H. E. Ewing.—Discusses the habit of Starlings to associate with Grackles and other birds.

Meal-Time in the Dogwoods. By Mrs. H. J. Taylor.—Lists of species found feeding and the hours.

The Migration Series treats of the Broad-billed, Rivoli and Blue-throated Hummingbirds with a colored plate by Fuertes.

Birds' Nests and How to Find Them. By A. A. Allen.—Is an excellent illustrated paper in the School Department and T. Gilbert Pearson's Campaigning in Panama and Cuba is an interesting contribution to the Audubon Executive Department.

The Condor. XXVI, No. 3. May-June, 1924.

Animal Aggregations; A Reply. By Althea R. Sherman.—Presents evidence that the family ties do not necessarily persist when flocks are formed.

Banding Notes on the Migration of the Pintail. By F. C. Lincoln.

Occurrence and Behavior of Certain Shorebirds in Southern California. By Roland C. Ross.

The Status of the Florida Gallinule of Western North America. By D. R. Dickey and A. J. Van Rossem.—Measurements of specimens from the isolated colonies in California and Lower California show that they differ so slightly from eastern birds as to be inseparable.

On the Revealing and Concealing Coloration of Birds: An Unpublished Letter by Theodore Roosevelt.

A List of the Land Birds of the Grass Valley District, California. By E. B. Richards.

The preparation of bird skins on stick handles for class use is described by Dr. Grinnel but he has apparently overlooked the fact that the same method was advocated for the same purpose some years ago by Dr. R. M. Strong in 'The Auk.'

The Condor. XXVI, No. 4. July-August, 1924.

The Starling Family at Home and Abroad. By Casey A. Wood.—A very careful discussion of the life and economic value of the Common Starling and the Chinese Crested Starling which has been introduced about Vancouver. The author's conclusions are that both will become serious nuisances especially in driving away and supplanting native species and that steps should be taken at once to check the increase of the latter species before it becomes too late.

Banding White Pelicans. By Henry B. Ward.

Vigor, Distribution and Pigmentation of the Egg. By Charles K. Averill.

The Common Loon in Alberta. By A. D. Henderson.

Weights of About Three Thousand Eggs. By W. C. Hanna.—Average maximum and minimum weight given for a number of species. Here is an item well worth preserving but which most "oölogists" discard.

The Wilson Bulletin. XXXVI, No. 2. June, 1924.

The New Brown Pelican Rookery on the Florida Coast. By R. J. Longstreet.

Migration Notes from State College, Center Co., Pa. By Thos. D. Burleigh.

There is an anonymous article on the 'Philosophy of Birds' Nests.'

The Oölogist. XLI, No. 5. May, 1924.

Kentucky Warbler. By G. G. Reeves.—Nesting in North Carolina.

The Other Egg in the Nest. By J. Warren Jacobs.—Data on 234 nests containing Cowbirds' eggs in southwestern Pennsylvania.

The Ibis. (11th Series) VI, No. 3. July, 1924.

On the Birds of North and Central Darfur. By H. Lynes.—This first installment is largely descriptive and ecological, with many illustrations of scenery.

Notes on the Birds of Minorca. By P. W. Munn.

On the Type Locality of Certain Birds Described by Vigers. By C. B. Ticehurst.—As the birds described by Vigers (P. Z. S. 1830-31) formed one collection the widely separated type localities which have been suggested for them cannot be maintained and on evidence here presented the Simla-Almora region, eastern Himalaya is proposed. Incidentally *Dryobates hyperythrus sikkimensis* (p. 473) Sikkim, is described as new.

The Affinities of Some Nearctic and Palaearctic Ducks. By Allan Brooks.—Shows that the Pochard and Redhead are not con-specific and that the latter is really nearer to the Canvasback and that the Ringneck is really more nearly allied to the Redhead than the latter is to the Pochard. The separate genera for the Canvasback and Ringneck are considered futile.

Notes on the Hoatzin in British Guiana. By M. D. Haviland.

Notes from Spitzbergen, 1923. By T. G. Longstaff.

The Birds of Sind. Part VIII. By C. B. Ticehurst.—Concluded.

On the Birds Collected in North-western and Northern Cameroon and parts of Northern Nigeria. Part III. By D. A. Bannerman and George L. Bates.

Bulletin of the British Ornithologists' Club. CCLXXXVIII. June 3, 1924.

Mr. Jourdain discusses the Brant and would recognize two forms, the dark breasted *Branta bernicla bernicla* from western Siberia and the light

breasted *B. b. collaris* C. L. Brehm formerly *glaucogaster* of our 'Check-List' of north eastern America. *B. nigricans* of western North America he would regard also as a subspecies of *B. bernicla*.

M. Hachisuka describes *Alaemon alaudipes omdurmanensis* (p. 86) from Sudan.

Bulletin British Ornithologists' Club. CCLXXXIX. July 7, 1924.

Mr. W. L. Sclater proposes *Artamella* (p. 91) for *Artamia* preoccupied with *Lanius viridis* (Mull) as type, and describes *Sigmodus scopifrons kirki* (p. 92) as new from Lamu, Kenya. There is much discussion on the validity of the recently described Irish Sparrow Hawk which seems to have been based on an abnormal individual.

Mr. D. A. Bannerman describes *Buccanodon duchailui gabriellae* (p. 100) French Congo and *Tricholaema hirsutum chapini* (p. 101) River Uelle.

Mr. N. B. Kinnear describes *Tephrodornis pelvicus verneyi* (p. 102) Siam and *Garrulax pectoralis subfusa* (p. 103) Tenasserim and Dr. Ticehurst, *Grammatoptila striata sikkimensis* (p. 104) Sikkim.

British Birds. XVIII, No. 1. June, 1924.

The Turtle-Dove in Glamorganshire. Some Breeding Notes. By G. C. S. Ingram and H. M. Salmon.—Illustrated by excellent photographic reproductions.

Migrants at the Reading Sewage Farm. By N. H. Joy.

A Practical Method of Recording Bird-Calls. By Wm. Rowan.—Another graphic method.

British Birds. XVIII, No. 2. July, 1924.

The Migrations of the Herring-Gull and the Lesser Black-backed Gull. Results of the Marking Method. By A. Landsborough Thomson.—The former is practically non-migratory so far as native north Scotland birds are concerned, very few going beyond the limits of the British Isles. The latter is regularly migratory to the Atlantic seaboard of Spain, Portugal and West Africa, birds native to the north of England going by way of France.

Courting Display of the Fulmar. By Henry Boase.

The Light and Dark-breasted Brent Geese. By F. C. R. Jourdain.—A résumé of the communication mentioned above.

The Avicultural Magazine. (Fourth Series) II, No. 5. May, 1924. Bird Life on the Lake of Geneva. By Alice Hutchinson.

The Avicultural Magazine. (Fourth Series) II, No. 6. June, 1924. Variations of Hunting by Kestrels. By F. D. Welch.

In Mr. A. G. Butler's discussion of the 'Typical Finches' he considers it a puzzle why the American *Zonotrichias* should be called "sparrows" but it is a still greater puzzle why he should persist in calling them "song-sparrows" which name belongs to quite another group of birds.

The Emu. XXIV, Part 1. July, 1924.

Notes on the Golden-shouldered and Hooded Parrots. By A. S. LeSouef and J. R. Kinghorn.

The Way of an Eagle. By D. W. Gaukrodger.—A parallel study to that of Prof. Herrick treating of the Wedge-tailed Eagle (*Uroaetus audax*) instead of the Bald-headed Eagle. Some of the photographs are remarkably similar.

A Spring Excursion into South-Western Queensland. By Dr. W. Macgillivray.

Seeking Rare Parrots. By A. H. Chisholm.—*Pezoporus wallicus* and

The Ground Parrot in Eastern New South Wales. By J. F. H. Gogerley.

Notes on the Ground Parrot. By H. V. Edwards.

Discovery of the Breeding Place of Buller's Shearwater. Poor Knights Island, N. Z. By R. A. Falla.

A Review of the Genus *Calamanthus*. By Edwin Ashby.

A Trip to Mungeranie, Central Australia. By Dr. Brooke Nichols.

Rediscovery of the White-backed Wren, *Malurus leuconotus* Gould. By J. R. Kinghorn and Tom Iredale.

Birds Seen Along the West Coast to the Franz Josef Glacier, New Zealand. By P. Moncrieff.

Nest and Egg of the Gang-gang Cockatoo. By F. Howe.

The Oölogists' Record. IV, No. 2. June, 1924.

The American Duck Hawk. By K. A. Pember.—Description of a series of sets of eggs.

The Puffin. By Vivian Hewitt.—Account of the bird on Priestholm Island.

Notes on Eggs from Nyasaland. Anon.

The South Australian Ornithologist. VII, Part 6. April, 1924.

The Birds of the Encounter Bay District. By J. B. Cleland.

Notes on Birds Met With at Gosford and Port Stephens, in New South Wales. By Edwin Ashby.

Birds Noted on a Trip to Cowell and the Hundred of Mangalo. By W. W. Weidenbach.

Revue Francaise d'Ornithologie. 16, No. 181. May, 1924. [In French.]

Ornithological Trips to the Region North of the Sahara. By H. deBalsac.—Constitutes the greater part of this and the two following numbers. There are many measurements of eggs and field notes of interest on the various species listed.

Le Gerfaut. 14, No. 1-2. 1924. [In French.]

On the capture of *Emberiza icterica* in Belgium. By G. van Havre. Summary of Nidological Researches made in the Region of Bouillon, Luxembourg. By A. Galasse.

- L'Oiseau.** V, No. 3. March, 1924. [In French.]
 The Honey-eaters. By J. Delacour.
 Hypolais and Hypolais. By H. Jouard.—Accounts of *H. polyglotta* and *H. icterina*.
- L'Oiseau.** V, No. 4. April, 1924. [In French.]
 The Creepers, Nuthatches and Kinglets. By J. Delacour and M. Legendre.
 The Titmice. By M. Legendre.
 The Shrikes. By J. Delacour and M. Legendre.
 The Prionopids, Swallow Shrikes, Waxwings and Vireos. By J. Delacour.
 Notes on the Ornithology of Asia. By J. Delacour.
- Ardea.** XIII, No. 1. May, 1924. [In Dutch.]
 Ornithological Observations in Holland, 1908–1923. By G. J. Van Oordt.
- Journal für Ornithologie.** 72, No. 3. July, 1924. [In German.]
 On the Floristic-Faunistic Associations of South China with Especial Consideration of the Avifauna. By R. Mell.
 Inheritance in Canary Birds. By H. Duncker.—An interesting study in genetics.
 The Results of my Second Expedition to Mallorca. By Dr. A. v. Jordans. Part II.—Contains descriptions of eight new subspecies of familiar European birds. (To be continued.)
 The Swift (*Apus apus*) in the Summer of 1923 at Lubeck. By W. Hagen.
 Mutation Studies. By E. Stresemann.—*Phyllastrephus clamans*, *Melanerpes rubrifrons*, and *Scoptelus brunneiceps*.
 Contributions to the Ornithology of German New Guinea. By E. Stresemann.
 Accipitrine Studies. By E. Stresemann.—*Spizaëtus ornatus* and *S. tyrannus*; *S. nipalensis* and *S. cirrhatus*; *Hieraaëtus pennatus*; the American Accipiter forms, *A. velox* becomes a subspecies of *A. nisus* and *A. cooperi* of *A. bicolor*; *Falco deiroleucus* and *F. albigularis*; *Buteo hyospodioides* and *B. poecilochrous*; *Astur meyerianus* and *A. planes*, *Accipiter fasciatus* and *A. novae-hollandiae*.
 New Species from North-east Brazil. By E. Sneath. *Sclerurus caudacutus cearensis* (p. 446) Ceara; *Grallaria martinsi* (p. 447) Ceara; *Picumnus limae* (p. 448) Ceara; *P. pallidus* (p. 449) Quatipuru.
 Obituary of Victor Ritter Tschusi zu Schmidhoffen. By J. Gengler.
- Ornithologische Monatsberichte.** 32, No. 3. May–June, 1924. [In German.]
Oceanodroma hornbyi from a Chilean Saltpeter Field. By E. Stresemann.—A mummy found.
Puffinus griseus Breeding in the north Chilean Pampa. By E. Stresemann.
 New Forms from West Africa. By H. Grote.—*Remiz parvulus senegal*.

ensis (p. 68) Senegal; *Lanius mackinnoni zenkerianus* (p. 69) South Cameroon; *Andropadus ansorgei muniensis* (p. 70) Spanish Guinea; *Hirundo griseopyga gertrudis* (p. 72) Adamaua.

Stresemann describes (p. 81) *Luscinia brunnea dendrobiastes* from Szetschwan.

Ornithologische Monatsberichte. 32, No. 4. July–August, 1924. [In German.]

Stresemann describes *Hieraaëtus kieneri formosus* (p. 108) North Celebes; and *Accipiter minullus sassii* (p. 109) Beni north of Lake Albert Edward.

Der Ornithologische Beobachter. XXI, No. 8, May, 1924. [In German.]

The Appearance in Flight of *Aquila chrysaëtus*. With a plate. Ornithological Observations on the Region of the Bosphorus. By A. Mathey-Dupraz.

Tori. IV, No. 16–17, June, 1924. [In Japanese.]

Birds from the Eastern Part of the Province of Suruga. By Y. Yamashina.

On Birds from Johore, Malay Peninsula. By N. Takatsukasa and K. Hasunuma.

A List of Birds in the Collection of the Science College Museum. By N. Kuroda.

How can the Sex of Carrier Pigeons be Decided even in Young. By I. Iwata.

On the Breeding of the Indian Broadbills at Kiso, Hondo. I. Sawahara.

A List of the Birds Collected on Hachijojima in the Seven Islands of Izu, Japan. By T. Momiyama.

The Identification of the Chinese Phoenix. By M. Hachisuka.

Ornithological Articles in Other Journals.

Stewart, Walter. Roosting Habits of Lanarkshire Rooks. (Scottish Naturalist, May–June, 1924.)

Nash, J. Kirke. Observations on the Swift. (Ibid.)

Chapin, James P. Profiteers of the Busy Bee. (Natural History, May–June, 1924.)—An interesting account of the life history of the African Honey Guides.

Fogg, P. M. The World Champion Dancing Bird. (American Forests and Forest Life, May, 1924.)—An account of the Albatrosses of Laysan Island, with many illustrations.

Briscoe, Avalon. Red-headed Cops of the Woods. (Ibid. August, 1924.)—Value of Woodpeckers.