

interesting species in that it frequently disperses, breeds, and does injury throughout a great part of the United States, although it is a permanent resident only in the warmest parts of the southern states. Philip Luginbill, author of a comprehensive bulletin<sup>1</sup> on the insect gives a list of 13 species of U. S. birds known to feed upon the pest, and notes that the English Sparrow has several times been observed to eradicate local infestations. Bird enemies of the fall army worm in Porto Rico, the Virgin Islands, and San Salvador also are mentioned (pp. 87-88).

Pale western cutworm (*Porosagrotis orthogonia*).—This is a serious pest of grain crops in the northwest which feeds under-ground and is very difficult to combat. Observations on an effective bird enemy are given<sup>2</sup> as follows by C. N. Ainslie: "Among the birds of this region the Horned Lark, *Otocoris alpestris*, is the most active enemy of the cutworm. A wheat field near Mott, N. D., was dotted with small mounds of earth thrown up by this bird while digging out the cutworms, the outer skin having been evidently stripped off and eaten. The birds were still busy in this field and the process of digging out and eating the worms was repeatedly observed."—W. L. M.

#### The Ornithological Journals.

**Bird-Lore.** XXX, No. 4. July-August, 1928.

Bonaventure's Gannets. By Claude W. Leister.

A Transatlantic Passage of Lapwings. By H. F. Witherby.—Reprinted from 'British Birds.'

The Migration and Plumage articles cover the Sapsuckers, with a color plate by Sutton. Dr. A. A. Allen has an excellent illustrated story of the Goldfinch.

**The Condor.** XXX, No. 4. July-August, 1928.

Saving the Parrakeets. By C. T. Metzger.—Calls attention to the rapid decrease of many Australian species and suggests the breeding of them in other parts of the world.

The Plumage of the Pine Siskin. By T. T. and E. B. McCabe.—An elaborate study of the molt from live birds handled in the process of banding. Several bird banding papers have recently dealt with the molt and few of the authors make any reference to Dr. Dwight's 'Sequence of Plumages and Molts of the Passerine Birds of New York,' our leading authority on the subject. It would not be a bad idea if some of the bird banding journals were to publish a list of papers and books that bird banders should read. Such knowledge would render their work more important and they would be better informed as to the problems still unsolved. Dr. Grinnell's comment on p. 256 is in line with our remarks and covers others beside bird banders.

<sup>1</sup> Tech. Bul. 34, U. S. Dept. Agr., Feb. 1928, 91 p., 49 figs.

<sup>2</sup> Can. Ent., vol. LX, No. 7, July 1928, p. 161.

Life History of the Red-bellied Hawk. By James B. Dixon.—Excellent photos.

Yellowstone's Winter Birds. By M. P. Skinner.

The Status of the Cardinal in California. By Alden H. Miller.—A small colony has become established in the lower San Gabriel River bottom, in southern California and the only specimen available seems nearest to true *cardinalis*.

In 'Field and Study.' Dr. Loye Miller proposes a new genus, *Wetmoregyps* (p. 255), for the fossil bird described by him as *Morphnus daggetti*.

**The Wilson Bulletin.** XL, No. 2. June, 1928.

Alexander Wilson: A Sketch. By Mrs. H. J. Taylor.—This is simply a compilation from previous publications and as is usually the case a few additional errors have crept in. New Castle, where Wilson landed, is in Delaware not New Jersey and it should have been stated that both Old Swedes Church, where he is buried, and Gray's Ferry where he taught school are both well within the limits of the present city of Philadelphia.

The writer deploras the quarrel and strife between Wilson and Audubon and yet presents the old time worn story again. As a matter of fact there is no evidence of any quarrel between them. The "quarrel" was between George Ord and Audubon after Wilson's death.

Notes on a Collection of Hawks from Schuylkill County, Pennsylvania. By George Miksch Sutton.—Gunnors from Reading and nearby towns shot ninety Sharp-shinned Hawks, sixteen Goshawks, eleven Cooper's Hawks, thirty-two Red-tails, and two Duck Hawks, all on October 22, 1927, at a point in the Blue Mountain, a slaughter which rivals that at Cape May, N. J. Instead of eating their prey, however, like the hardy Jersey men do, the gunners submitted their birds to Mr. Sutton who has prepared some interesting notes on their plumage, molt, weight, food, etc.

It is useless to again take up the side of the Hawks, for so long as sportsmen prepare the game laws, Hawks will be destroyed, but attention might be called to the fact that the food of the Red-tails, as might be expected, show them to be more beneficial than injurious, confirming the findings of the late Dr. Warren and of the U. S. Biological Survey, yet the Pennsylvania Game Commission persists in hastening the extermination of these splendid and useful birds.

Individuality in Bird Song. By Lucy V. B. Coffin.

Birds of Eastern McKenzie County, North Dakota. By Adrian Larson.

**Bulletin of the Northeastern Bird-Banding Association.** IV, No. 3. July, 1928.

Notes on the Cedar Waxwing. By C. J. Maynard.

The Biography of a Cedar Waxwing. By Helen G. Whittle.

History of a Cedar Waxwing Family. By M. J. Littlefield and F. Lemkau.

A New Need in Natural History. By Glover M. Allen.—Research

stations in the wilds; with an appeal for one in Africa before its fauna is further decimated.

Bird Banding in Japan. By F. C. Lincoln.

History of a Female Hooded Warbler. By T. Donald Carter.

Color Phases of the Purple Finch. By Helen G. Whittle.

Some Manifestations of Age in Male American Goldfinches. By C. L. Whittle.

**The Oölogist.** XLV, No. 6. June, 1928.

Notes on the Birds of Stamford, Connecticut and Vicinity. By Paul G. Howes.—An annotated list of 225 species.

**The Gull.** X, Nos. 4, 5, 6, 7. April to July, 1928. [Audubon Association of the Pacific.]

Are Shore Birds Diminishing? By C. R. Smith. (April.)

American Egrets Wintering in the Suisun Marshes. By C. A. Bryant. (April.)

Bird Life in Forest Hill, San Francisco. By R. M. Leggett. (June.)

Mother Coot. By C. R. Smith. (July.)

**The Cardinal.** II, No. 4. July, 1928.

Notes on the Flight of the Chimney Swift. By G. M. Sutton.—An extremely valuable paper presenting the most accurate and original study of the Swift's flight that has yet appeared. Mr. Sutton refers incidentally to the bird breaking off dead twigs for its nest *with the feet*. We wonder if he actually saw this operation. It was the subject of much controversy in some of the bird journals some thirty years ago and it seemed that the concensus of opinion was that the birds grasped the twig with the beak. [See 'Nidologist' IV, p, 80; 'Osprey' I, p, 122 etc.]

John Burroughs in Pennsylvania. By Bayard H. Christy.

**The Murrelet.** IX, No. 2. May, 1928. [Mimeographed Journal.]

Relative Abundance of Bird Species in Southeastern Idaho, Fresno, Calif., Santa Clara Co., Calif. and King Co., Wash.

A Brief Glimpse of California Bird Life. By T. D. Burleigh.

**The Ibis.** IV, No. 3, July, 1928.

On the Birds of Central Spain, with some Notes on those of Southeast Spain. By H. F. Witherby.

Some Problems of Instinct and Abnormality in Bird Behaviour. By the Marquess of Tavistock.

A Note on Asiatic Members of the Genus *Acrocephalus*. By Hugh Whistler.

Some Further Notes from the Egyptian Deserts. By R. E. Moreau.

The Genus *Artisornis*. By H. Friedmann.

On the Migratory Habit of *Lanius c. cristatus*. By S. C. Law.

Some Biological Problems Connected with the Himalaya. By R. Meinertzhagen.—An elaborate contribution to zoogeography. He divides

the region into four faunal areas; the afforested area from southern and eastern Kashmir to Bhutan; the Tibetan Plateau; Kashmir; and the Transition Zone. The first he regards as Oriental and not Palaearctic and considers that it was colonized from western China, while the Tibetan Plateau belongs definitely to the Palaearctic Region, and the Kashmir sub-region is probably of similar origin. In the voluminous appendices various groups of birds are considered with regard to their distribution accompanied by maps. In these we find that certain Nuthatches of China, Asia Minor and Corsica are regarded as subspecies of the North American *Sitta canadensis* while *S. przewalskii* of Chuanchu and *S. leucopsis* from Kulu, etc. as subspecies of *S. carolinensis*. It would be interesting to know if the relationship is really so close.

**Bulletin of the British Ornithologists' Club.** CCCXIV. June 7, 1928.

A Review of Recent Work on Sex in Birds. By B. W. Tucker.—An excellent review of the whole subject.

Meinertzhagen describes a new Pigeon and a Dove from the Dakhla Oasis, Lybian desert and Ticehurst a Starling from Persia.

**Bulletin of the British Ornithologists' Club.** CCCXV. July 10, 1928.

Lord Rothschild exhibited the hitherto unknown egg of the flightless Rail, *Allantasia* as well as eggs of many other Rails and skins of various species extinct or nearly so. J. Delacour and P. Jabouille present descriptions of twenty-one new birds from Indo-China and H. Lynes describes *Cisticola robusta omo* (p. 136), S. W. Abyssinia.

**British Birds.** XXII, No. 1. June, 1928.

Notes on the Nesting of the Slavonian Grebe in Scotland. By Seton Gordon and Audrey Seton Gordon.—With good photographic illustrations.

A Transatlantic Passage of Lapwings. By H. F. Witherby.—The birds are supposed to have left northern England for the south of Ireland where they winter, on the advent of sudden cold weather, and being carried beyond the eastern coast of Ireland by the strong east wind managed to keep up until the coast of Newfoundland was reached.

Manx Ornithological Notes, 1927. By P. G. Ralfe.

**British Birds.** XXII, No. 2, July, 1928.

The Fighting Methods of the Great Crested Grebe. By Donald Gunn.—Grasping each other's bills each bird tries to force its opponent under the water.

Some Breeding Habits of the Mistle Thrush in Cornwall. By B. H. Ryves.

Notes on a Discourse on the Emigration of British Birds: in 1780. By H. S. Gladstone.

**British Birds.** XXII, No. 3, August, 1928.

Notes on the Birds of Puffin Island. By W. Aspden.—At the extreme eastern point of Anglesey.

An Autumn Habit of the Rook. By Rev. E. U. Savage.

**The Oologists' Record.** VIII, No. 2. June, 1928.

The Breeding Birds of a South African Farm. By H. W. James.—104 species.

The Breeding Birds of an English Parish. By Wm. Rowan.—70 and 87 species and 86 for an eastern locality Manitoba.

Nest of the Golden Eagle. By J. K. Jensen.—New Mexico.

Breeding of *Centropus superciliosus loandae* and *Hagedashia hagedash nilotica* in Uganda. By C. R. S. Pitman.

Eggs of the Fringillidae. By K. L. Skinner.—Additional to a previous paper.

**The Avicultural Magazine.** (Fourth Series.) VI, Nos. 6 to 8. June, July and August, 1928.

Plate of *Pyrrhura rhodogaster*; Diving Ducks by Delacour; Jungle Fowl, by D. Seth Smith. [June.]

Color Plate of *Melopsittacus undulatus* and varieties; Some Notes on Egyptian Birds in Giza, by G. H. Gurney. [July.]

Color Plate of Agapornis, Psittacula and Loriculus; The Two Most Popular Cagebirds of China, by Alex. Hampe.—(*Trochaloxyeron canum* and *Zosterops simplex*); Cariamias, Trumpeters, Sun Bitterns, Courlans and Kagus, by Delacour, illustrated with excellent photographs; the Blue Touracou, by L. M. Seth Smith. [August.]

**The Emu.** XXVII, Part 4. April, 1928.

Discovery of the Winiam Field Wren (*Calamanthus winiam*). By A. G. and A. J. Campbell.

Notes on the Powerful Owl (*Ninox strenua*). By David Fleay.

Bird-Life of the Bunker and Capricorn Islands. By W. MacGillivray.—Beautiful photographs of the Noddy and Crested Terns.

Nesting of the Bell-Miner. By C. L. Lang.

Notes on Some Victorian Birds. By Frank E. Howe.—Beautifully illustrated with photographs.

Birds Observed During the R. A. O. U. Camp-Out at Nornalupe, S. W. Australia. By E. Ashby and A. S. LeSouef.

A Wave-guarded Kingdom of Birds. By Tom Iredale.

Birds of the Grampean Range, Victoria. By Marc Cohn.

Australian Birds Occurring in New Guinea. By W. B. Alexander.—List of nine species known to occur in New Guinea but not so recorded in the Australian 'Check-List.'

Bird Notes from the Australian Museum. By J. R. Kinghorn.

**The Emu.** XXVIII, Part 1. July, 1928.

A Critical Description of Some Recently Discovered Bones of the Extinct Kangaroo Island Emu (*Dromaius diemenianus*). By A. M. Morgan and J. Sutton.—Numerous photographs of bones and of pictures of the bird.

Notes Made During a Holiday Trip to New Caledonia. By J. A. Leach.—A photograph of the Kagu with wings spread is among the illustrations.

A Visit to Mutton Bird Rookery, Cape Woolamai, Phillip Island. By D. Dickson. With further note by A. G. Campbell.

Relationship of the Avifauna of western Australia. By Robert Hall. Bird Notes and Birds' Notes. By C. M. Bryant.

Notes Made During a Visit to the Bogong High Plains, Victoria. By Miss A. Paterson.

Fauna and Flora Reserves in Western Australia. By E. Ashby.

Movements of Crows in Western Australia. By D. L. Serventy.

The admirable photographs in both of the recent issues of 'The Emu' are noteworthy.

**South Australian Ornithologist.** IX, Part 6. April, 1928.

Extracts from the report of the Prickly-pear Commission show that from February 1, 1926 to June 30, 1927, 57,392 Emus and 52,573 Emu eggs were destroyed as well as 8247 Scrub Magpies, 51,033 Crows. It is now fortunately decided that the introduced cactus destroying insects probably have the spread of the cactus in control so that the slaughter of the birds is to be discontinued on December 1, 1928.

A Trip to the South-East of South Australia. By F. E. Parsons.

**Revue Francaise d'Ornithologie.** 20, Nos. 227-228, April-May, 1928. [In French.]

The Birds of Paris. By M. Legendre.

Recent Changes in the Nomenclature of Birds of the French Fauna. By J. Rapine.

**L'Oiseau.** IX, No. 1. January; No. 2, February; No. 3, March; No. 4, April; No. 5, May; and No. 6, June, 1928. [In French.]

Vol. III of 'Les Oiseaux' runs through these numbers—Herons, Storks, Spoonbills and Ibises, the Cariamias, etc. and the Bustards by Delacour. The Cranes by Marquis of Tavestock, and the Shore-birds by Delacour and Bailey. Other articles are:

The Terrestrial Cuckoo of Renauld (with a colored plate). By J. Delacour. [January.]

A Collection of Living Ducks in California. By J. Delacour.—DeLaveaga's collection at San Mateo. [January.]

Impressions of an Naturalist on a Trip to Persia. By J. Berlioz. [April.]

Notes from the Far East. By J. Delacour. [April, May and June.]

A Monograph of the Blue Thrush (*Monticola s. solitarius*). By M. Legendre. [June.]

The Birds of the Hawaiian Islands. By J. Delacour. [June.]

**Le Gerfaut.** 18. Fasc. 1, 1928. [In French.]

Some Interesting Nests Found in 1926. By A. Galasse.—In Belgium. Other Local notes on Belgian birds.

**Journal für Ornithologie.** LXXVI, Heft 3. July, 1928. [In German.]

The Geographic Variation of *Phylloscopus trochilus* (L.). By Fin Salomonsen.—Four races recognized.

Observations on the Willow Tit (*Parus atricapillus salicarius*.) By E. Mayr.

The Rough-legged Hawk as a German Breeding Bird. By W. Salzmann. Report on Bird Banding in Estland. 1922–1927. By M. Harms.

On the Systematics of the Redstarts. By B. Stegmann.—*Phoenicurus ochruros zerophilus* (p. 501) is described as new from the western Kwenlun Mountain system.

My Journey through northeast Brazil. II. Biological Observations. By H. Snethlage.—Distributional table of 449 species and a table of comparisons with lists of Beebe, Allen and others for various localities in South America.

New Species and Subspecies of Birds from the Interior of Brazil. By E. Snethlage.—*Knipolegus aterrimus franciscanus* (p. 581); *Phylloscartes roquettei* (p. 582); *Serpophaga araguayae* (p. 583); *Xenotistes mirandae* (p. 584); *Thamnophilus caeruleus ochraceiventris* (p. 585); *Cercomacra nigrescens ochrogyna* (p. 586); *C. ferdinandi* (p. 586).

Contribution to the Avifauna of Kara-kum Desert. By S. J. Snigirewski.—*Muscicapa striata sarudnyi* (p. 595) "nom. emend."

**Ornithologische Monatsberichte.** 36, No. 4. July–August, 1928. [In German.]

The Increase and Decrease of Storks. By Werner Hagen.

Corrections to the List of Bali Birds. By E. Stresemann.

The Hostility of Captive Birds. By Fritz Braun.

Two New Forms of *Acrocephalus* from the Indo-Malay Region. By F. Salomonsen.—*Acrocephalus stentoreus harterti* (p. 119) and *A. s. siebersti* (p. 119).

**Beiträge zur Fortpflanzungsbiologie der Vögel.** 4, No. 4. July, 1928. [In German.]

On the Ural Owl. By W. Christoleit.

Must the Bird Learn Its Song? By B. Hoffmann.—Scott's observations on Baltimore Orioles in Captivity are considered at length, but the case of the House Finch described by Miller in 'The Condor' which sang the song of its species without ever having heard it is not referred to.

Remarks on the Nehr Korn Catalogue. By M. Schonwetter.

The "Star" of the Bluethroat. By O. Natorp.

The Nesting Habits of *Centropus javanicus*. By A. Spennemann.

**Berichte des Vereins Schlesischer Ornithologen.** XIV, Heft. 1. May, 1928. [In German.]

William Wolf (1838-1910) the Ornithologist of Muskau. By B. Gerlach and O. Herr.—With a synopsis of his observations on the nesting of birds, Cuckoo's eggs, etc.

Theoretical and Practical conclusions on the Food Habits of Birds. By Dr. V. Vietinghoff-Riesch.

The Status and the Problems of the Food of Our Hawks and Owls. By O. Uttendorfer.

Ornithology of Schlesia. By M. Scloft.

**Der Ornithologische Beobachter.** XXV, Heft 9. June, 1928. [In German.]

A memorial number to the late Albert Hess, President of the Swiss Society for the Study and Protection of Birds.

Report of the Swiss Bird Observer at Sempach. By A. Schifferli.—Bird Banding Records.

**Der Ornithologische Beobachter.** XXV, Heft 10, July, 1928. [In German and French.]

Addition to the Life History of the Flamingo. By R. Poncy.—Continued in August issue.

**Ornis Fennica.** V, Nos. 1 and 2, 1928. [In Finnish.]

Several articles dealing with the birds of Finland.

The 1928 "Sonderheft" is devoted to an extensive paper by Dr. Ivar H. Hortling on 'Ornithological Studies at Oulujarvi-See (Uleatrask),' containing a well annotated list of 177 species and numerous illustrations.

**Danske-Fugle.** 9, No. 1. 1928. [In Danish.]

Devoted entirely to reports on the banding and recovery of the Lapwing, Greater Titmouse and Song Thrush, and maps showing their probable routes of migration. No less than 697 Lapwings were banded from 1919 to 1927 and there were 23 returns.

**Ardea.** XVII, Af. 1-2. 1928. [In Dutch.]

The Summer Plumage and Development of the Gonads in the Knot. By J. Verwey.

Observations on Breeding and Migratory Birds in Holland, 1926 and 1927. By G. A. Brouwer and F. Haverschmidt.

Observations on Birds of the Mediterranean and Atlantic Oceans. By G. J. vanOordt.—Naples to Tunis and to Amsterdam.

On the pigmentation of the egg shell in the oviduct. By P. L. M. Tammes.

The Crossbill Invasion in Holland, 1927. By F. Haverschmidt.

**Uragus.** Part VII, 1928, No. 2. [In Russian.]<sup>1</sup>

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<sup>1</sup> Contributed by Dr. T. S. Palmer.



On the distribution of some birds in the Kuznetsky Alatau [Mountains.]  
By W. Troizki and I. Salesski.

Invasion of the Rosy Starling (*Pastor roseus* L.) in the Yenisei Valley  
[in 1911]. By N. Fedorow.

The Wood Wren, *Phylloscopus sibilatrix* (Bechst.) in the region of Omsk.  
By I. Dolguschin and A. Markowski.

Interesting Discoveries in the Tobolsk District. By M. Tarunin.

Biological Observations on *Chrysomitris spinus* (L.) near Tobolsk. By  
M. Tarunin.

On the arrival of some migratory birds in the Altai Region. By P. M.  
Salesski.

The Birds of the vicinity of Semipalatinsk [310 species]. By V. A.  
Hacklow and V. A. Selewin.

Partial Albinism in the Snipe, *Capella media*, and in the Wagtail,  
*Budytes citreola werae* Buturl. By G. A. Welishanin.

Catalogue of a Collection of Birds made by E. Pilman near Nowosibirsk.  
By V. Hachlow.

Miscellaneous Notes, including list of birds banded.

#### Ornithological Articles in Other Journals.

**Hantzsch, Bernhard.** Contribution to the Knowledge of the Avifauna  
of Northeastern Labrador. (*Canadian Field Naturalist*, April, 1928.)—  
Continued in May issue.

**Kindle, E. M.** Wild Life of Jasper Park. (*Canadian Field Naturalist*,  
May, 1928.)

**Nash, J. Kirke.** The Rookeries of Greater Edinburgh and Midlothian.  
(*Scottish Naturalist*, No. 171, May-June, 1928.)

**Ritchie, James.** The Garganey.—An Addition to the Breeding  
Birds of Scotland. (*Scottish Naturalist*, No. 171, May-June, 1928.)

**Stewart, Walter.** Studies of Some Lancashire Birds. (*Scottish  
Naturalist*, No. 171, May-June, 1928.)

**Paterson, John.** Some Records of the Smew from the Clyde Area.  
(*Scottish Naturalist*, No. 171, May-June, 1928.)

**Chapman, F. M.** The Homes of a Hummer. (*Natural History*,  
May-June, 1928.)—Nesting of the Violet-throated Hummingbird at  
Barro, Colorado, Canal Zone.

**Burden, William D.** Wings of the Yalu. (*Natural History*, July-  
August, 1928.)—Frequent mention of birds on an expedition for sheep  
on the Sino-Mongolian frontier.

**Grimes, S. A.** The Carolina Wren. (*The Florida Naturalist*, July,  
1928.)

**Weston, Francis M.** West of the Apalachicola—III. (*Florida  
Naturalist*, July, 1928.)—Numerous bird notes.

**Bailey, Alfred M.** Bird Life Among Alaskan Islands. (*America  
Forests and Forest Life*, July, 1928.)