and essentially the same methods have now been adopted and put into operation by the Ministry of Agriculture and Forestry of the Japanese Government. This little brochure is a report of progress and shows that during the three years 1924–1926, 20717 birds have been banded with a record of 611 returns, a very encouraging beginning. There are cuts showing the style of bands used and a map of the summer and winter ranges of Japanese transients.—W. S.

Neff on Oregon Woodpeckers.—Mr. Johnson A. Neff has privately published a brochure<sup>1</sup> which is primarily an economic study of nine species of Woodpeckers occurring in Oregon. There is given for each species brief descriptions and ranges of the subspecies, an account of the general habits, a review of published information on the food habits, original data including both field observations and stomach analyses, and conclusions as to the economic status. The Hairy and Downy groups are highly praised, the Flickers and Lewis' Woodpecker are considered chiefly useful, the California Woodpecker slightly beneficial, and the Sapsuckers injurious. In restricted areas the Lewis' Woodpecker is a pest because of its destruction of apples and small fruits. Recommendations are given as to control of damage by the injurious, and for attracting and protecting, the useful forms. More than 380 original stomach analyses are reported upon, the publication therefore making a definite advance in knowledge of the economic status of Woodpeckers. The field work also produced interesting new information and more exact knowledge than was previously available on local behavior of the species. All in all the report is distinctly worth while.—W. L. M.

Useful Birds of Florida.—Among the progressive activities of the newly organized Department of Game and Fresh-water Fish of Florida, under the direction of J. B. Royall, Commissioner, is a much needed campaign to arouse residents of the state to an appreciation of the usefulness of birds. The two pamphlets² here noticed seem very well adapted to the purpose. They give in detail the records (from Biological Survey files) of birds known to feed upon the specific insect pests of important truck crops of Florida, and contain an imposing mass of definite information on the subject that must fix in the minds of citizens an impression of the importance of the bird defenders of their crops.—W. L. M.

#### The Ornithological Journals.

Bird-Lore. XXX, No. 2. March-April, 1928. A Catbird Family. By Raymond S. Deck.—An intimate nest study

 $<sup>^1</sup>$  A study of the Economic Status of the Common Woodpeckers in Relation to Oregon Horticulture, i-viii + 1-68 pp., 11 tables, 6 graphs, 16 pls., Published by the author, Marionville, Mo., 1928. Price \$1.50.

<sup>&</sup>lt;sup>2</sup> Leaflet No. 4, Insect Hosts Routed by the Great Bird Army, 12 pp., and Bulletin No. 4, Bird Destroyers of Insect Pests, 20 pp., 1927.

with excellent photographs. Dragon-flies were found to be the chief food of this family.

The Cactus Wren. By Margaret D. Moore.—An Arizona study.

Black-snakes and Birds. By Hugh Spencer.—Cases of devouring families of young Wrens and Catbirds and apparently a number of Bobwhite eggs.

The migration and plumage notes cover the Pileated Woodpecker with a colored plate from a painting by Sutton and in the Audubon Department is an excellent sketch of a Robin's life with photographs by Arthur A. Allen.

Bird-Lore. XXX, No. 3. May-June, 1928.

Hunting Loons with a Camera. By Frank N. Wilson.—Beautiful photographs.

A Hermit Thrush and its Nest. By Robert N. Wilkin.

Canada's New Bird. By H. H. Pittman.—A Note on the Lapwing flight of December last.

Yellow Warblers and a Cowbird. By Earl Brooks.—Four Cowbird's eggs were deposited two of which were removed after the first two had been covered over. Eventually two Warblers were hatched and reared. An X-ray photograph of the three storied nest is shown.

There is an admirable life history of the Baltimore Oriole with photographs by Dr. A. A. Allen and a colored frontispiece of the Vermilion Flycatcher from a painting by Allan Brooks.

#### The Condor. XXX, No. 2. March-April, 1928.

What Color is the Eye of a Bush Tit. By Harold and Josephine Michener.—A bird bander's study which showed that the iris of some individuals is white and of others dark brown, a fact already mentioned by Grinnell and Storer (Animal Life in the Yosemite, p. 580).

Black Swifts Nesting Behind a Waterfall. By Emily Smith.—In Santa Cruz Mountains, California. The author makes a plea that egg collectors will leave this colony unmolested so that all may see this rare bird nesting. Dr. Grinnell in an editorial says that this is a good opportunity for collectors to show that they have an ethical code and warns them that they are on trial.

Nesting of the Black-tailed Gnatchatcher. By R. S. Woods.

Additions to the Known Avifauna of the Santa Barbara Islands. By J. R. Pemberton.—Especially good list of the birds of San Miguel.

The Tibeo-tarsus of the Fossil Hawk Buteo typhoius. By Alexander Wetmore

Toxostoma curvirostris. I. Description of a new subspecies from the Lower Rio Grande. By J. Eugene Law.—T. c. oberholseri (p. 151) San Diego, Texas.

A New Poor-will from the Colorado River Valley. By Donald R. Dickey.—Phalaenoptilus nuttallii hueyi (p. 152) Bard, Calif.

Notes on Systematics of West American Birds. II. By Joseph Grinnell. —Phalaenoptilus nuttallii dickeyi (p. 153) is described as new covering the bird of the main part of the Lower California peninsula. Baeolophus inornatus transpositus (p. 154) is proposed for B. i. affabilis which proves = murinus and Tryomanes bewickii correctus (p. 154) for T. b. charienturus which = carbonarius. Dr. Grinnell also finds Salpinctes proximus = obsoletus and would recognize only one form of Rock Wren for Lower California except the Guadalupe form which however is only a subspecies.

### The Condor. XXX, No. 3. May-June, 1928.

Where Engineer and Ornithologist Meet: Transmission Line Troubles Caused by Birds. By Harolod Michener.—Flashovers on the insulators of high power electric lines were found to be due to discharge of excrement from perching Hawks and Herons which produced the short circuit. Over \$100,000 has been spent in putting up pans to protect the insulators and saw-tooth guards to prevent the perching of the birds.

Luther Everet Wyman. By Louis Bishop.

A Method of Showing Relative Frequency of Occurrence of Birds. By Jean M. Linsdale.—Lists made on 200 field days over the same area are compared and the number of times each species had been recorded is ascertained, the locality being near Geary, Kansas. The Cardinal registered 100% and the 194 species ranged down to the Hermit Thrush with 0.5%. Charts show also the number of field days per month and the number of species seen in each month.

Notes on Systematics of West American Birds. III. By Joseph Grinnell.—The validity of the western race of the Olive-sided Flycatcher is maintained, while the Western Wood Pewee is considered to be merely a race of the eastern notwithstanding its very different note. A new race of White-crowned Sparrow is described, Zonotrichia leucophrys pugetensis (p. 187) Vancouver Island, a northern form of nuttalli; and the present practise of regarding all these birds as subspecies of leucophrys is endorsed.

In Field and Study, Aeronautes saxatilis nigrior (p. 193) is described from Salvador by Dickey and vanRossem while Swarth has a lengthy review of Taverner's paper on Red-tailed Hawks,

### The Wilson Bulletin. XL, No. 1. March, 1928.

The Courtship Behaviour of Barrow's Goldeneye, By Edmund J. Sawyer.—An excellent study with three plates from sketches by the author. No mention seems to be made of Brooks' paper on the same subject, also with sketches, in 'The Auk,' 1920, p. 353.

Some Impressions of the Commoner Winter Birds of Southern Arizona. By Myron H. and Jane B. Swenk.—At Tucson with songs in musical notation.

Are Birds Decreasing in Numbers? By Althea R. Sherman.—Miss Sherman would say many are decreasing and a few increasing, and gives an interesting summary of her observations at National, Iowa, during the last 13 years, bearing on the subject.

Birds of Eastern McKenzie County, North Dakota. By Adrian Larson. —184 species listed.

Proceedings of the 14th Annual Meeting of the Wilson Club at Nashville, January, 1928.

The Oölogist. XLV. Nos. 2, 3, 4 and 5. February, March, April and May, 1928.

Pennsylvania and New Jersey nesting dates 1927. By R. F. Miller. (Feb.).

Habits of the Black Vulture in Florida. By D. J. Nicholson. (Feb.).

Nesting of the Olive-sided Flycatcher [in Ontario]. By Verdi Burtch (April.)

A Great Gull Migration [at Austin, Tex.]. By R. H. Eanes (April).

Duck Hawks at Woodstock, Vt. By D. D. Blake (May).

List of Birds found Nesting at Columbia Co., Wisc. By R. M. Barnes (May).

### Bulletin of the Essex County Ornithological Club. 1927.

Birds Seen in the Nile Valley. By C. W. Townsend.

The Essex Co. Shooting Season. By J. C. Phillips.

The Ipswich River Trip. By R. Lawson, the Club list for 1927, and seven other local papers.

# Bulletin of the Northeastern Bird-Banding Association. IV, No. 2. April, 1928.

The Scientific Aspects of Bird-banding. By Wm. Rowan.

Notes on the Invasion of the Northern Shrike in the Winter of 1926–27. By Charles B. Floyd.—Thirteen species of small birds were reported killed by Shrikes but the majority of individuals were English Sparrows. Most observers stated that the Shrike carried its prey in its beak but seven saw it use its claws and in three cases both were used.

The Age of Banded Birds. By M. Y. Lafranchise.—Compiled from Canadian records.

Abnormal Yellow Color of Swamp Sparrows. By E. G. Rowland.— The plumage of the first winter which was once named *Passerculus caboti*. The writer seems not to be familiar with Dr. Dwight's 'Sequence of Plumages and Moults of the Passerine Birds of New York' which is absolutely essential to anyone studying plumages.

Evening Grosbeak Recoveries. By M. J. Magee.—Birds banded in Michigan have been caught in New England but not all of the same flock travel in the same direction.

E. H. Forbush. By J. B. May.—A biographical sketch.

On the Meaning of the Winter Time Yellow Patches on Adult male Goldfinches. By C. L. Whittle.—Mr. Whittle has now definitely shown that on the birds he examined these yellow feathers were molting in on February 25, but he states that apparently no further molt occurs for

weeks. Might it not be possible that these patches are replacements of lost plumage, rather than the beginning of the prenuptial molt?

**The Murrelet** [Mimeographed Journal] IX, No. 1. January, 1928. Birds Observed at Westport, Washington. By D. E. Brown. A number of local Washington records in 'General Notes.'

**The Gull.** 10, Nos. 1, 2 and 3. January, February and March, 1928. Mainly local notes for the vicinity of San Francisco.

A Vacation Experience. By Mrs. G. E. Kelly.—In the Sierras (Jan.). Census of Birds' Nests in the Music Concourse, Golden Gate Park. By J. Mailliard.—Nineteen nests, Linnet [House Finch], English Sparrow and Nuttall's Sparrow (Feb.).

Census of Water Fowl at Lake Merritt, Oakland, Calif. By Joseph Dixon.—Seventeen species 1320 individuals (Mar.).

The Ibis. (12th Series) IV, No. 2. April, 1928.

Field Notes on the Birds of Vancouver Island. By Charles E. Alford.

—Observations during four years residence.

Birds of the Gyantse Neighborhood, Southern Tibet. By Frank Ludlow. Part III.

Some Notes on the Habits of Palaearctic Migrants while in Egypt. By R. E. and W. M. Moreau.—31 species were never heard to sing in their winter quarters while 28 were heard to sing but only 10 at all frequently.

Field Notes on a collection of Birds from Uganda. Part II. By H. F.

On the Birds Collected during the Third Expedition to French Indo-China. By J. Delacour with notes by P. Jabouille and W. P. Lowe. Part II.

The Display of Wilson's Bird-of-Paradise. By J. M. Winterbottom.—Specimen in the London Zoo.

Sixth Report of the Committee on Nomenclature of British Birds.

Bulletin of the British Ornithologists' Club. No. CCCXXI. February 25, 1928.

Chlorura hyperythra malayana (p. 72) Kinabalu, is described by H. C. Robinson.

Cyornis rufigastra indochina (p. 73) Indo-China, by F. N. Chasin and C. Boden Kloss.

There is further discussion on the method of the Cuckoo in depositing its egg.

Bulletin of the British Ornithologists' Club. No. CCCXXII. March 29, 1928.

Mr. Gregory Mathews proposed the genus Sipodotus (p. 83) for Todopsis wallacei Gray, and describes Hylochelidon nigricans papua (p. 83) from Kei Islands, Moluccas.

Dr. Hartert proposed Sphenocercus sphenurus oblitus (p. 83) Hainan and Mr. N. B. Kinnear, Hypocharmosyna placentis intensior (p. 84) from Batchian.

British Birds. XXI, No. 10. March 1, 1928.

Ornithological Report from Norfolk for 1927. By B. B. Riviere.

Birds Observed in the North Sea, 1927. By David K. Wolfe Murray.—Notes for every month while with the North Sea fishing fleet.

Obituary: J. E. Harting.

An Unrecorded Somerset Heronry. By Stanley Lewis.

British Birds. XXI, No. 11. April 2, 1928.

Notes on the Food of Certain Birds. By Charles Elton.—Observations on nine species.

George Shield 1804-1880. By Hugh S. Gladstone.

Recovery of Marked Birds. (continued in May.)

There are also an account of the irruption of Crossbills in the winter of 1927–28 and a list of incubation and fledgling periods of British birds.

## British Birds. XXI, No. 12. May 1, 1928.

The Oxford Trapping Station. By E. M. Nicholson and M. W. Willson.—Illustrating methods of bird-banding.

The Avicultural Magazine. (Fourth series) VI, Nos. 3, 4 and 5. March, April and May, 1928.

Shelldrakes and Surface-feeding Ducks (March) and Teal and Shovellers (April) by J. Delacour.—With colored plates of several species.

My Trogons. By Karl Plath. (March).—Prionotelus temnurus in his aviary in Chicago.

Food and Colour Retention. By Godfrey Davis. (April).—Interesting discussion regarding the effect of different foods on coloration of feathers.

The New Bird House at the London Zoo. By D. Seth Smith (May).

Mendelian Inheritance (?) in Budgerigars. By J. Bradshaw (May). Breeding of Blue Geese in Canada. By G. H. Corson.—Captive birds.

## The Oölogists' Record. VIII, No. 1. March, 1928.

Oölogy and Biology. By Julian S. Huxley.—The suggestion is made that egg collectors could furnish valuable data to the biologist if they would take the trouble. An example is given in the relation of weather to the fertility of birds and the writer states that if a collector would keep a record of the sort of weather and the temperature at the time the sets were complete and keep this up for several years, over the same area, data of the utmost importance would be secured.

Birds of the Muskegs [of Alberta]. By A. D. Henderson.—Notes on nests of several species found by the writer, R. C. Harlow and W. Rowan, including the Dowitcher and Bohemian Waxwing.

On the Nesting of the Common Gull (*Larus canus* canus) in Shetland. By Wm. E. Glegg.—With admirable photographs.

Notes on the Nesting of Some Rarer Species. By R. F. Meiklejohn.—Northern Europe and Corsica.

Notes on a Few Days Spent in Brazil and Uruguay. By B. Guy Harrison.—

Notes on an Oölogical Excursion to the Magdalen Islands. By H. W. Holben.

The South Australian Ornithologist. IX. Part 5. January, 1928. The Butcher-Bird (*Cracticus torquatus*) and the Striped Honeyeater (*Plectorhyncha lanceolata*) nesting in company. By A. M. Morgan.—Both nesting in the same tree only a few feet apart.

Also several local lists from various parts of Australia.

Revue Francaise d'Ornithologie. (Series II) XX, No. 225. January-February, 1928. [In French.]

Some Birds of the Bay of St. Brieuc. By R. Reboussin.

Note on the Anatomy of the Masticator Muscles of the Crossbill. By R. Hemery.

Obituary of Count Otto von Zedlitz. By L. Lavauden.

Revue Française d'Ornithologie. (Series II) XX, No. 226. March, 1928.

Fragments of Ornithological Bromatology.—Notes on the Food of some Indiginous Birds. By H. Heim de Balsac.—Twelve species considered.

The Heronry of Fontainebleau, By H. Dalmon.

The Birds of the Sea. By Paul Arné.—On the coast of Landes and the Lower Pyrenees during the tempest of October 24–26, 1925,

The Woodcock and Flight against the Wind. By M. de la Fuye.

L'Oiseau. VIII, No. 11. November, 1927. [In French.]

Flamingos and Screamers. By J. Delacour.

Notes on Foxwarren. By J. Delacour.—The estate of Mr. A. Ezra and his aviaries, in Surrey, England.

Third Expedition to Indo China. By J. Delacour and P. Jabouille.—Notes on some Indochina birds.

Rapid Journey of an Ornithologist through North Tunis, Constantine and Southern Algeria. By Rene d'Abadie.—Brief mention of species observed. (Completed in December issue.)

**Le Gerfaut.** 17, Fasc. IV. 1927. [In French.] Entirely devoted to local Belgian notes.

Der Ornithologische Beobachter. XXV, Nos. 6, 7 and 8. March, April and May, 1928. [In German and French.]

The Migration Route of the Laughing Gull from Uznacherried. By A. Schifferli.—A bird banding report (March).

Report of the Swiss Bird Station at Sempach for 1926. By A. Schifferli. (Concluded April and May.)

Journal für Ornithologie. LXXVI, Heft 2. April, 1928. [In German.]

The Elburs Expedition 1927. By Gerd Heinrich.—The Elburs Mts. in northern Persia south of the Caspian Sea. A report on the birds obtained follows the account of the expedition, and is by Dr. E. Stresemann. 172 species are listed and the following are described as new: Pica pica laubmanni (p. 342) Balutschistan; Pyrrhocorax pyrrhocorax pontifex (p. 343) Gilan, Persia; Sturnus vulgaris heinrichi (p. 345) Masanderan, Persia; Motacilla alba transcaspica (p. 362) Astarabad, Persia; Sylvia atricapilla dammholzi (p. 377) Gilan, Persia; Sylvia communis rubicola (p. 378) Turkestan.

A Contribution to the Biology of the Barn Owl. By B. and W. Schneider—Including list of prey.

The Appearance and breeding circumstances of the Caspian Tern in Estland. By M. Harms.

Ornithologische Monatsberichte. 36, No. 2. March, 1928. [In German.]

The Distribution of the Nightingale and the Thrush-Nightingale. By W. Emis.

Obituary of Johann Büttikofer. By E. Schwartz.

New Forms from North Kansu. By E. Stresemann.—Garrulus glandarius kansuensis (p. 41), Parus major kansuensis (p. 41), Aegolius tengmalmi beikianus (p. 41).

Migration Route of Falco vespertinus through Western Europe in September, 1927.

The Crossbill Invasion of 1927.

New Races of Birds from the Small Sunda Islands. By B. Rensch.— Pericrocotus speciosus siebersi (p. 47) Tali, Ornithocichla everetti sumbawana (p. 48) Sumbawa, Gracula venerata mertensi (p. 48) West Flores. Monachalcyon fulgidus gracilirostris (p. 48) West Flores.

In the shorter notes are two new forms, Erithacus rubecula tataricus (p. 52) Gov't. Orenburg, Russia, by H. Grote; and Ninox scutulata javanensis (p. 54) Java, by E. Stresemann.

Ornithologische Monatsberichte. 36, No. 3. May, 1928. [In German.]

Development of Megapodius and Oxyura in the Egg. By E. Stresemann and O. Meyer.—Concludes that fermentation of vegetable matter is not the cause of the development of the embryo and that the burying of the egg in the earth is all that is necessary to carry on the process.

Siberian Duck Migration—Through India. By H. Grote.

New Forms from East Africa, Aldabra and Madagascar. By H. Grote, —Alcippe abyssinica micra (p. 77) West Usambara; Pogoniulus pusillus eupterus (p. 78) Kenya Colony; Falco newtoni aldabranus (p. 78) Aldabra; Tyto alba hypermetra (p. 78) Madagascar.

New Races of Birds from the Small Sunda Islands. By B. Rensch. Dicaeum sanguinolentum rhodopygiale (p. 80) West Flores, and Cyanops armillaris baliensis (p. 80) Bali.

In the shorter notes L. Shulpin renames *Emberiza spodocephala flavi*ventris, E. s. extremi-orientis (p. 82) and E. Stresemann describes *Pseudo*podoces humilis saxicola (p. 82) North Kansu.

# Beiträge zur Fortpflanzungsbiologie der Vögel. Jahr. 4, No. 2. March, 1928. [In German.]

The Star of the Blue-throat. By E. Christoleit.

Contribution to the Biology of the Wryneck. By H. Siewert.

Remarks on the Nehrkorn Catalogue [of Eggs]. By M. Schönwetter. (Continued in No. 3.)

Collocalia esculenta linchi (Horsf.). By A. Spennemann. (Concluded in No. 3).—Nest and eggs.

# Beiträge zur Fortpflanzungsbiologie der Vögel. Jahr. 4, No. 3. May, 1928. [In German.]

On the Nesting Habits of *Charadrius alexandrinus*. By F. Dietrich, Supplements to Hartert's Work on the Breeding time of North African Birds. By F. C. R. Jourdain,

Observations on the Golden-eye. By P. Bernhardt.

On the Part of the Male Duck in Caring for the Brood. By L. Schuster.

#### Aquila. Vol. XXXII-XXXIII. 1925-1926.

This bulky number of 328 pages is devoted entirely to the ornithology of Hungary. There are some ninety articles and many short notes. Each paper is printed in Hungarian and in German.

The most important articles perhaps are the tabulation of migration data for the years 1924 and 1925 and the report on bird banding for the same period. There are also papers on food habits, bird reservations rare occurrences, etc.

## El Hornero. IV, No. 1. December, 1927. [In Spanish.]

Description of a Collection of Eggs of Argentine Birds, By C. H. Smyth.

Additions and Corrections to the 'List of the Birds of Uruguay.' By J. Tremoleras.

Second List of Birds Collected in the Riberena Region of Buenos Aires. By J. A. Pereyra.

Distinct Phases of Plumage Coloration in the Merganetta of Northeast Argentina. By R. Dabbene.

Notes on the Food of Birds. By R. O. Aravena.

Investigation of Blood Parasites in Birds. By S. Mazza, E. Deautier and A. Steullet.

The Rheas. By W. H. Hudson—Translated and Annotated by A. Steullet and E. Deautier.

Numerous notes on Argentine Birds etc, and a photograph of the members of the Ornithological Society of La Plata.

#### Tori. V. No. 25. March, 1928. [In Japanese.]

The Study of Mutations among Birds. By M. U. Hachisuka.—With a plate of *Phasianus colchicus* mut. *tenebrosus* Hachisuka.

Notes on a Collection of Birds from southern Sakhalin. By Y. Yamashina. Partly in English.

Birds Seen at Nara and Kyoto. By K. Enomoto.

On the Manchurian Crane at Kushiro. By H. Saito.

On the Food of Quails in Central Korea, By Y. Kuroda.

Hawaiian Feather Work and Ornithological Recollections of Hawaii. By M. U. Hachisuka.

Notes on Some Oriental Birds, By M. U. Hachisuka.—[In English]. A new genus is described *Dicrachibia* (p. 23) for *D. menagei*.

Some New Additions to the Avifauna of Formosa and the Island of Botel Tobago. By Nagamichi Kuroda. [In English]. Otus sunia botelensis (p. 26) is described as new from the latter.

## Uragus.<sup>1</sup> Vol. 3, 1928, No. 1. [In Russian.]

The northern Siberian Redpoll. By V. A. Hachlow.

The little Crake (*Porzana parva* Scop.) on the Kulundinsk Steppes. By A. P. Welishanin.

Contributions to the Ornithological Fauna of the Barnaul Region. By G. A. Welishanin.

On Lanius cristatus in southern Ussuri Land. By Hans Iohansen. Nest and eggs of Locustella fasciolata Gray. By Hans Iohansen.

The White Egret in the Semipalatinsk and Ust-Kamenogorsk. By W. A. Selewin.

On the Ornithological Fauna of Kamtschatka. By K. A. Worobiew. Observations on the Departure and Migration of the Birds near Wjatka in the year 1927. By P. Plesskii.

Remarks on the Bird List of Southern Ussuri Land. By Hans Iohansen. Passer domesticus sibiricus subsp. nov. By V. A. Hachlow.

<sup>&</sup>lt;sup>1</sup> Journal of the Siberian Ornithological Society. Edited by Prof. V. A. Hachlow and Dr. Hans Iohansen, University, Tomsk, Siberia. Foreign Agents: R. Friedlander & Son, Karlstrasse 11, Berlin, N. W. 6, Germany. Price, 4 rubles (\$2) a year. [Review contributed by Dr. T. S. Palmer.]