

on the fruit in each month. All of these items were derived from data furnished by the Biological Survey. It is shown that there is a decrease in toxicity of the fruit to man with ripening, but no assumptions bearing on bird food should be made on that account. The data given of frequency of occurrence of poison oak berries in bird stomachs seem merely to reflect availability.—W. L. M.

The Ornithological Journals.

Bird-Lore. XXVI, No. I. January–February, 1924.

Some Birds of the San Gabriel Wash. By Robert S. Woods. With excellent photographs of southern Californian birds.

A Cedar Waxwing Patient. By Mr. and Mrs. F. D. Hubbard. An interesting X-ray photograph of the living bird showing a fracture of the humerus.

The Christmas bird lists are as numerous and interesting as ever, covering all parts of the United States and Canada as well as Porto Rico and Ceylon.

The Educational Leaflet by T. Gilbert Pearson treats of the Loggerhead Shrike with a colored plate by Allan Brooks.

The Condor. XXV, No. 6. November–December, 1923.

The Buff-breasted Flycatcher in the Huachucas. By Frank C. Willard.

Further Observations on the Costa Hummingbird. By Robert S. Woods.

The Cayenne or River Ibis in British Guiana. By Casey A. Wood.

The Phonetics of Bird-sound. By Richard Hunt.—A system based on phonetics. The phonetic elements in bird song are divided into four classes, the vowel sounds, the explosives, the fricatives and the musicals.

A Study of Some Plumages of the Black Tern. By A. J. VanRossem.—The author concludes that two years are necessary to attain the black adult plumage, the first spring plumage being a mottled one somewhat resembling the molting adult in autumn.

The Systematic Status of Some Northwestern Song Sparrows. By Harry S. Swarth.—This is a paper well worthy of special study. The writer rejects two races "*inexpectata*" and "*phaea*" and regards all British Columbian Song Sparrows as belonging to two races *rufina* of the Queen Charlotte Islands, and *morphna* of Vancouver Island and the mainland. That there are variations in the latter which some might regard as subspecies the author admits, but he thinks that they are not subspecies in the sense that the others mentioned are. He makes a plea for laying stress upon the major divisions of a variable group like the Song Sparrows and thinks that observed differences within each of these larger divisions should be regarded in a somewhat different light, and that this principle be carried out in our 'Check-List.'

Mr. Swarth is here advocating exactly the same principle that the reviewer has pled for in the case of genera. "All recognizable subspecies

are not equidistant from one another," he says, "and they should not be treated as if they were," and this is equally true of a genera.

The Condor. XXVI, No. 1. January-February, 1924.

Notes on the Life History of the Texas Nighthawk. By Robert S. Woods.—As observed and photographed in the San Gabriel Wash, Los Angeles Co., Calif.

Changing Habits of Vaux Swift and Western Martin. By William L. and Irene Finley.

Autobiography of Joseph Mailliard.—An interesting paper dealing with the earlier days of California collecting.

The Wilson Bulletin. XXV, No. 4. December, 1923.

Notes on the Nesting of the Wilson's Snipe. By George M. Sutton.—In Crawford County, Pennsylvania. A most interesting discovery adding another nesting species to the state list.

Some Birds of the Ozark Region. By Johnson A. Neff.—An important annotated list.

Identifying Birds Afield. By A. F. Ganier.—An exploitation of the value of characteristics, mannerisms, habits and habitats in identifying birds in the field, which the writer regards as more important than color keys or vocal efforts. While we agree with all he says it seems to us that the instantaneous identification of birds by experienced field students is a complex process hard to analyse but acquired by long experience, just as we can instantly recognize a relative or friend without being able to say just how we do it.

The Oölogist. XL, No. 11. November, 1923.

Nesting of the Caspian Tern and the Snowy Heron. By R. W. Shufeldt.—Explanation of two photographs by E. A. McIlhenny with an advertisement of the "Louisiana Gulf Coast Club" the organization of which most bird and game protective organizations have strenuously opposed.

Recent Expedition to Los Coronado[s] Islands. By Alfred Cookman.

Nesting of the Broad-winged Hawk. By A. D. Henderson.—In Alberta.

The Oölogist. XLI, No. 1. January, 1924.

The American Golden-eye. By A. D. Henderson.—Nesting in Alberta.
Mexican Jacana. By J. Warren Jacobs.—Description of a series of six sets of eggs.

Materials of a Kingbird's Nest. By C. M. Brooks.

The Cardinal. No. 3. January, 1924.

The Life Zones of Western Pennsylvania. By W. E. Clyde Todd.

Passenger Pigeon Reminiscences. By John C. Anderson.

Bewick's Wren in Allegheny County [Penna.]. By Bayard Christy.

The Blue Goose Expedition. By G. M. Sutton.—Carnegie Museum Expedition to James Bay. A list of the species obtained is given.

The Ibis. (11th series) VI, No. 1. January, 1924.

On the Birds collected in North-western and Northern Cameroon and Parts of Northern Nigeria. By George L. Bates.—This instalment of this paper consists of a most interesting itinerary with notes on the birds encountered.

A List of the Birds of Macedonia. By William E. Glegg.

An Account of a Journey across the Southern Syrian Desert from Amman in Transjordan to Ramadi on the Euphrates. By Col. R. Meinertzhagen.

Some Notes on Birds found breeding in the Neighborhood of Aleppo in 1919. By G. von H. Clarke.

The Birds of Sind. Part VII. By C. B. Ticehurst.

The Disappearance of the Pink-headed Duck. By Sir John A. Bucknill.—Little doubt of its virtual extinction.

Fourth Report of the Committee on the Nomenclature and Records of Occurrences of Rare Birds in the British Islands and Certain Necessary Changes in the Nomenclature of the B. O. U. List of British Birds.—Actions affecting the A. O. U. List are the substitution of *Melanitta Boie* for *Oidemia* Fleming and the rejection of the proposal to adopt *Erythrina Brehm* for *Carpodacus*, one of Brehm's species being a nomen nudum and the other not definitely identifiable.

There is an obituary with portrait of Count Tommaso Salvadori.

Bulletin of the British Ornithologists' Club. CCLXXXII. December 8, 1923.

Dr. Hartert discussed variation in *Tchitrea*, a subject that has attracted much attention from various ornithologists from the time of Cassin.

Mr. Bannerman presents remarks on the genera *Turdinus* and *Alcippe*. The former is restricted to the Malay region, Java, etc., while the African species usually placed in it belong in *Illadopsis*. *Alcippe* is likewise restricted to Indian species, the African ones along with *T. atriceps* belonging together in *Pseudalcippe* (p. 26) here proposed as new. Several new forms are described from India, Cameroon and Yunnan.

Bulletin of the British Ornithologists' Club. CCLXXXIII. January 5, 1924.

Count G. Idenstolpe describes a new Fruit Pigeon *Treron calva vylderi* (p. 36) from Great Namaqualand.

Mr. Stuart Baker discusses the races of *Cisticola exilis*, *C. e. equicaudata* (p. 39) being described as new from Siam. He also proposes *Franklinia rufescens austeni* (p. 39) from the Naga Hills, and Mr. Bannerman *Zosterops vaughani* (p. 41) from Pemba Island. Col. Meinertzhagen in discussing the races of Song Thrush states that the bird of the Hebrides is darker than the mainland form corresponding with the greater rainfall but that of Ireland where the rainfall is also heavy does not show the same tendency. He also points out that in the Hebrides the Song Thrush is a heather and ground-frequenting bird while in Ireland it is seldom found far from bushes

Whether it is this difference in habit or the amount of rainfall which affects the coloration, he considers it due to environment and not to mutation while, "in closely allied species variation appears to follow the principles of mutation."

Bulletin of the British Ornithologists' Club. CCLXXXIV. January 24, 1924.

Col. Meinertzhagen describes two African Kingfishers, *Corythornis cristata johannae* (p. 41), Comoro Isls. and *Halcyon senegalensis ranivorus* (p. 41), Mombasa; and Nagamichi Kuroda, *Yungipicus pygmaeus tonkinensis* (p. 47), Tonkin.

British Birds. XVII, No. 8. January, 1924.

The Early History of the Mute Swan in England. By N. F. Ticehurst.
Some Breeding Habits of the Swallow and House-Martin. By R. H. Brown.

British Birds. XVII, No. 9. February, 1924.

Surry Field Notes. By P. F. Bunyard.

Nest Building of the Long-tailed Tit. By R. H. Brown.

Avicultural Magazine. (Fourth Series) I, No. 11. November, 1923.

A Young Gray Parrot. By Beatrice Cook.—Reared in captivity with account of down plumage.

The Tanagers. By J. Delacour. With a colored plate of three "Cal-listes."

In the December issue it is announced that the Marquess of Tavistock will assume the editorship of the journal with the beginning of 1924.

The Oölogists' Record. III, No. 4. December 1, 1923.

An Account of the Gannets on Grassholm Island, off Pembrokeshire. By Capt. V. Hewitt.—An excellent paper with photographic illustrations.

Egg-Collecting. By E. C. Stuart Baker.—Gives his views on this much mooted question. Incidentally he quotes a famous British ornithologist that: "Oölogists can be counted on the fingers of one hand; collectors are countless." Mr. Baker would not include among oölogists the vast majority of collectors but would extend the bounds to take in "those collectors who try to be oölogists."

He says further that oölogists should live up to the principle: "Never take an egg unless it is wanted for some definite purpose and never encourage youngsters to take eggs unless you are in a position to teach them something about the eggs taken."

The South Australian Ornithologist. VII, Part 4. October 1, 1923.

Birds of South Australia. By J. Sutton.—A nominal list of 356 species following the nomenclature of the R. A. O. U. List.

The Emu. XXIII, Part 3. January, 1924.

Heterochrosis in the Crimson-breasted Parrot, *Pyrrhulopsis splendens*.

By Casey A. Wood.—Description of a bird which was becoming yellow over most of the green and red areas and white on the blue wings and tail.

Royal Australasian Ornithologists' Union's 22nd. Annual Congress.

Domestic Cats Gone Wild versus Bird Protection. By A. J. Campbell.—These animals have become distributed all through the continent and are almost as universal as the dingo.

Notes on Extinct or Rare Australian Birds with Suggestions as to Some of the Causes of their Disappearance. By Edwin Ashby.—This instalment deals mainly with Parrots.

Relationships of Tasmanian Birds. By Robert Hill.—With maps showing distribution of various species.

Notes on the Early Nesting and Range of Birds near Hobart. By M. S. R. Sharland.

Bird Observations made by Delegates to the Tasmanian R. A. O. U. Camp-Out. By J. N. McGilp and F. E. Parsons.

Does Tasmania Possess a Second Species of Blue Wren (*Malurus*)? By Miss J. A. Fletcher.

Historical Associations of Adventure Bay. By Clive Lord.

White's Journal of a Voyage to New South Wales. By W. B. Alexander.

Singular Nesting Sites of Birds of the Nullarbor Plain. By E. L. G. Troughton.

Birds of the Broom Hill District. By Tom Carter.

Obituary of W. H. Dudley LeSouef.

Revue Francaise d'Ornithologie. 15. No. 175. November 7, 1923. [In French.]

Notes on Some Birds of the Pacific Ocean. By M. de la Touche.—San Francisco to Shanghai.

Ornithological Trips in the Region North of the Sahara. By H. deBalzac.—Continued in December and January issues.

List of the Birds Observed in the Department of the Maritime Alps. By Commandant Caziot.

Revue Francaise d'Ornithologie. 15. No. 176. December 7, 1923. [In French.]

Observations on the Nidification of *Lophoceros nasutus* of Senegal. By Dr. Millet Horsin.

The Bank Swallow. By M. Bon.

A Contribution to the Study of the Costa Creeper. By H. Jouard.—On the validity of *Certhia familiaris costae* Bailey, 1847. (Continued in January issue.)

Revue Francaise d'Ornithologie. 15. No. 177. January 7, 1924. [In French.]

On the Birds of the Maritime Alps. By L. Lavauden.

On the Purple Heron of the Camargue. By A. Gibert.

L'Oiseau. IV. Nos. 8, 9, 10, 11. August to November, 1923. [In French.]

Contains accounts of the Weaver Finches by A. Decoux with plates; the Tanagers and Honey Creepers by J. Delacour; and the Finches by A. G. Butler; forming parts of the general work on cage birds started some time ago.

There is also an article on American Parroquets by J. Berlioz (August), and one on Birds of Cleres in 1923 by J. Delacour. (November).

Le Gerfaut. 13. Fasc. III-IV. 1923. [In French.]

Some Nests found in the Forest of Bouillon in 1922. By C. Dupond.

Ardea. XII, No. 2. December, 1923. [In Dutch.]

Some Observations on the Bittern. By C. G. B. ten Kate.

Notes on North American Birds. By F. E. Blaauw.

Revista Italiana di Ornithologia. VI, No. 1. June, 1923. [In Italian.]

On the Partridge of Cirenaica. By A. Ghighi.—*Alectoris barbata* Reighw.

Birds Observed during an Oceanographic Expedition on the Sea of Levant. By E. Ninni.

Unusual Birds at Malta. By G. Despott.

Anser albifrons in Sicily. By A. Trischitta.

Ornithologische Beobachter. XXI, No. 1. October, 1923. [In German.]

The Cirl Bunting (*Emberiza cirrus*). By H. Fischer-Sigwart.

The Cirl Bunting. By A. Felix.

Ornithologische Beobachter. XXI, No. 2. November, 1923. [In German.]

Ornithological Observations in the Region of the Bosphorus. By A. Mathey-Dupraz (Continued in December and January).

Ornithologische Beobachter. XXI, No. 3. December, 1923. [In German.]

The Golden Eagle. By K. Daut.

Sixth Report on the Work of the Central Station for Bird Ringing in Bern, 1922. By A. Hess. (Continued in January.)

Ornithologische Beobachter. XXI, No. 4. January, 1923. [In German.]

Storks in Zoological Gardens. By A. Wendnagel.

Journal für Ornithologie. 72 Heft. 1. January, 1924. [In German.]

Seventh Report on Bird Observations at Heligoland. By Hugo Weigold.

Russian Ornithological Work during the past Year. By Hans Johansen.

Mutation Studies. By E. Stresemann.

On the African Species of *Terpsiphone*. By E. Stresemann—Recognizes *T. rufiventris* (with 7 forms); *tricolor*, *rufocinerea* (including *batesi*) and *viridis* with 4 forms.)

Are there two species of *Podica*? By E. Stresemann.—*P. senegalensis albipectus* (p. 97) described as new from Loango.

Two cases of Occurrence of *Fulmarus glacialis* in the interior of the European Continent. By J. Michel and O. Reiser.

A New African Fruit Pigeon. By M. Grote.—*Treron calva granwiki* (p. 102), Ukerewe Isle, Victoria Nyanza.

A South-east North-west Migration Route through the Sahara. By Geyer van Schweppenburg.

The Violet Color of Bird Feathers. By K. Görnitz and B. Rensch.

The Development of Young *Cariama*. By O. Heinroth.

Obituary of T. Salvadori. By E. Hartert.

Ornithologische Monatsberichte. 32, No. 1. January–February, 1924. [In German.]

Observations on a Mixed-Singer *Certhia familiaris* × *brachydactyla*. By L. Dobbrick. (See also p. 13–14.)

On *Accipiter castanilius* Bon. By E. Stresemann.

The Subspecies of *Phylloscopus trochiloides* and *P. davisoni*. By E. Stresemann. Four races of one and five of the other and two of *P. ricketti* recognized.

Anthreptes longuemarei savannarum (p. 13) n. subsp. Buala-Uam, eastern Cameroon. By H. Grot.

Terpsiphone mutata voeltzkowiana (p. 18) n. subsp. Moheli. By E. Stresemann.

Norsk Ornithologisk Tidsskrift. No. 1. 1920–21. [In Norwegian.]

A Tabular View of Norwegian Birds. By H. T. L. Schaanning.

Nature Conservation and Bird Life in Denmark and Sweden. By H. Broch.

Bird Ringing. By H. T. L. Schaanning. (Continued in No. 2.)

Norsk Ornithologisk Tidsskrift. No. 2. 1921–22. [In Norwegian.]

Goshawk Nesting on the Ground. By Hals.

The Birds of Oplands, southern Norway. By H. T. L. Schaanning.

Norsk Ornithologisk Tidsskrift. No. 3. 1922–23. [In Norwegian.]

A new race of *Lyrurus tetrix*. By H. T. L. Schaanning *L. t. bjerkreimensis* (p. 151) from southern Norway.

Other articles by the same on Migration of Norwegian birds and a criticism of Collett's 'Birds of Norway' both of which are also considered in previous numbers.

Norsk Ornithologisk Tidsskrift. No. 4. [In Norwegian.]

A Comparison of the Arrival of Birds and Flowering of Plants. By A. Moe.

Bird Sanctuaries in Norway. By F. Nansen.

Additional articles by Schaanning on Migration and on *Lyrurus*.

Ornithological Articles in Other Journals.

Stenhouse, J. H. Bird Notes from Fair Isle, 1923. (Scottish Naturalist, November–December, 1923.)

Baxter, Evelyn V. and Rintoul, Leonora J. The Spread and Distribution of the Woodcock as a Breeding Bird in Scotland since the Beginning of the Nineteenth Century. (Ibid.)

Townsend, C. W. Notes on the Birds of Grand Manan, New Brunswick. (Canadian Field-Naturalist. (November, 1923.)

Magee, M. J. Bird Notes from the North Shore of Lake Superior, near Gorgantua, Ontario. (Ibid.)

Munro, J. A. The Necessity for Vermin Control on Bird Sanctuaries. (Ibid.)—The writer contends that Crows, Hawks and other predatory species were necessary in the past to keep species from increasing too rapidly and to kill off weaklings, but that now telephone wires, plate glass windows, oil seepage etc. take their place in this respect and that they should be killed off in bird sanctuaries if the species useful to man are to increase at a maximum rate.

The editor replies in another paper taking exactly the opposite view i. e. that a bird sanctuary is for the benefit of all birds occurring naturally in it, and that an abnormal increase in "useful" species is not the object sought. While we agree with the latter view we must admit that a sanctuary may become the shelter of certain very destructive animals which will be far more destructive than under natural conditions and which may therefore have to be kept in control, but no species should be exterminated

Lloyd, Hoyes. The Birds of Ottawa, 1923. (Ibid and concluded in the January issue.)

Brown, W. J. Notes on the American Woodcock. (Canadian Field-Naturalist, December, 1923.)

Snyder, L. L. On the Crown Markings of Juvenile Hairy and Downy Woodpeckers. (Ibid.)—Virtually confirms Ridgway's statement that young males have more or less red spotting on the crown and the females white spotting. Mr. Snyder's three "contradictory" specimens are in all probability wrongly sexed.

Henderson, A. D. Nesting Habits of the American Goshawk.

Preece, W. H. A. The Concentration of Migratory Birds at Sault Ste. Marie, Ontario in the Spring. (Ibid. January, 1924.)

Tate, R. C. Some Birds of the Oklahoma Panhandle. (Univ. of Oklahoma Bulletin, No. 271, Oct., 1923.)—An annotated list.

Littlejohns, R. T. Bird Personalities of the Australian Bush. Natural