

the sighting of every bird observed at sea. Much, of course, will depend upon the experience and accuracy of the individual observer. Great emphasis has been laid upon the importance of bird identification and it is intended so far as is possible to maintain the highest level in this respect. For special inquiries observers will use special report sheets drawn up for the express purpose of the inquiries.—MAJOR NOEL BEALE, *Founder and Secretary, Royal Naval Bird Watching Society.*

PUBLICATIONS REVIEWED

Part 10 of the Birds of North and Middle America (U. S. Nat. Mus. Bull. 50, pt. x, 1946 [rec'd January 15, 1947], xii + 484 pp., 28 figs., \$1.25) covers the Galliformes, following the style and plan of earlier volumes of this work and particularly part 9. Friedmann has used many of Ridgway's notes and diagnoses, yet is responsible for the contents of the volume and should be regarded as the author. Indeed, we wish he felt less constrained to follow the pattern of Ridgway's earlier treatment; although uniformity has merit, its values diminish after the lapse of 45 years, the period since the initiation of the series. In the matter of form, we do appreciate the helpful inclusion in the keys of brief indications of ranges of species and subspecies (oddly omitted in some genera of the Cracidae).

One great value in such a compilation lies in the bibliographic material. Titles are listed for 1943, and at least some for early 1944. There is included a number of recently described races of galliforms, additional to those in Peters (Birds World, vol. 2, 1934) and in Hellmayr and Conover (Cat. Birds Amer., pt. 1, 1942), but only part of these seem to have been critically evaluated. In fact there is a tendency here and there to accept a form merely if it has not been clearly disproved as a distinct racial entity rather than place the burden of proof upon those who would advocate its recognition. Thus *Canachites canadensis torridus* is listed, although Friedmann says his material does not bear out this race and Hellmayr and Conover (*op. cit.*:212) could give it no real support. Further, *Lophortyx californicus orecta*, although thought unworthy by several authors, is defended but weakly as follows: "The race is only faintly characterized, but in fresh material it is recognizable." The recognition of two different races of turkeys on the two slopes of the Sierra Madre Occidental of northern Mexico is a questionable decision. Turkeys range freely across the crest of these mountains, and the likelihood of them segregating there into two consistently characterized races is slight.

In the genus *Dendragapus*, although but one species is recognized formally, the arguments for two species are well reviewed and are stronger than those calling for one species; it may be

added that nowhere is an intergradation of the two species brought to light. In these grouse, there is reported an incongruous overlapping of the ranges of *sierrae* and *howardi*, the former extending south as far as Madera County, California, the latter extending north some fifty miles past Madera County to Calaveras County. These resident races in fact intergrade in the vicinity of latitude 37° on the west slopes of the Sierra Nevada over a fairly broad belt and arbitrary delimitation of range is necessary. To indicate that the ranges overlap distorts the picture and implies racial identification of individuals apart from the populations of which they are members.

There are a few errors of make-up in the volume which have been noted, the most disturbing of which is a transposition in the key on page 4 of the characters of the Cracoidea and Phasianoidae; the later text is correct. The name "Olathe Quail" is given to the California Quail of Owens Valley! Evidently this vernacular name was transposed from the account of the Gambel Quail of the race *sana* which has been provided with the new and sensible name of Colorado Gambel Quail. Such meaningful names indicating species affinity should have been provided throughout the work.

Surveys like the Ridgway series are by nature comprehensive rather than intensive. The taxonomic study of each small group cannot be complete nor wholly satisfying to the person particularly acquainted with a limited area or subject. Indication in this review of some points of doubt are not a reflection on the author of the work but rather an indication to the uninitiated that the analysis of variation and speciation in North and Middle American birds, and the taxonomy which reflects it, is far from being an exhausted field of endeavor. Friedmann is to be congratulated and thanked most warmly for bringing out this extremely useful and prevailingly accurate and dependable treatment of the Galliformes.—ALDEN H. MILLER.

COOPER CLUB MEETINGS

NORTHERN DIVISION

JANUARY.—The monthly meeting of the Northern Division of the Cooper Ornithological Club was held on January 23, 1947, in Room 2503, Life Sciences Building, University of California, Berkeley, with 153 members and guests present. Proposals for membership were as follows: Haven Hadley Spencer, Museum of Zoology, University of Michigan, Ann Arbor, Mich., by William H. Burt; Lawrence P. Richards, 5375 Kalaniana'ole Highway, Honolulu 49, Hawaii, by Harvey I. Fisher; Mrs. Roy F. Nelson, 650 Blair Ave., Piedmont 11, Calif., Miss Grace E. Ball, 1219 Leavenworth St., San Francisco 4, Calif., and Mrs. Luther Dunlap, 2817 Woolsey St., Berkeley 5,

Calif., by Junea W. Kelly; Albert E. Clattenburg, Jr., % Department of State, Washington 25, D.C., by C. V. Duff; Henry E. Childs, Jr., 2426 Bowditch St., Berkeley 4, Calif., by Waldo Mayhew; Mrs. Peggy B. Prince, % Reed Brainard, Artesia, New Mexico, by Lois C. Taylor; Thomas E. Bowman, Department of Zoology, University of California, Berkeley 4, Calif., and Dixon M. Woodbury, Department of Zoology, University of California, Berkeley 4, Calif., by Frank P. Filice; Dr. Victor Coles, Teachers College, University of Cincinnati, Cincinnati 21, Ohio, and Dr. A. R. Cahn, 190 East Pearson St., Chicago 11, Illinois, by Alden H. Miller; Miss Joan Kirk, 2188 Mountain Blvd., Oakland 11, Calif., and Mr. John H. Roush, Jr., 1675 Sweetwood Drive, Broadmoor Village, Colma 25, Calif., by Mrs. Harold C. Austin; William Nelson Donaldson, 5428 Hillside Rd., Richmond, Calif., John P. Earl, 148 W. Bissell, Richmond, Calif., Milton Hildebrand, 2409 Grove St., Apt. 1, Berkeley 4, Calif., Wallace Gibbs MacGregor, Jr., 1318 Shattuck Ave., Berkeley, Calif., Philip H. Krutzsch, 4125 Day Ave., Richmond, Calif., George E. Lawrence, 3131 College Ave., Berkeley 5, Calif., and Raphael R. Ronkin, Department of Zoology, University of California, Berkeley 4, Calif., by Charles G. Sibley.

Two proposals for honorary membership were read as follows: "Mrs. Hilda Wood Grinnell has been a member of the Cooper Ornithological Club since 1912, having become a life member in 1921. She has always taken an active part in the affairs of the Club, has given unsparingly of her time and energy as Secretary or Corresponding Secretary of the Northern Division since 1924, and has served as a member of the Board of Directors and as Assistant Secretary of the Corporation, and as a member of the Board of Governors. She has always had the best interests of the Club at heart and has done much to encourage the younger generation of members to carry on the aims and ideals set up by its founders.

"Therefore, be it Resolved, that Mrs. Hilda Wood Grinnell, in recognition of her years of service and loyalty, shall be elected an Honorary Member of the Cooper Ornithological Club." [signed] John McB. Robertson, W. Lee Chambers, Loye Miller, Hildegarde Howard, Alden H. Miller, Charles Sibley.

"Joseph S. Dixon, a member of the Cooper Ornithological Club since 1904, now retired from the National Park Service, has done much to further the cause of conservation of natural resources and the preservation of our wild life as a heritage of all the people. As an outstanding field naturalist, he carried on research in the western United States and Alaska, under the auspices of the University of California and the National Park Service. He has published his findings largely in collaboration with other workers in his

chosen field and has always been generous in sharing his wealth of experience with others. His modest and friendly manner has brought him a host of friends.

"He served the Northern Division as Vice-president in 1910, and as President in 1924, and always gave generously of his knowledge and experience in helping to make the annual meeting and division meeting programs a success.

"Therefore, be it Resolved, that Joseph S. Dixon, in recognition of his achievement as a field naturalist, shall be elected an Honorary Member of the Cooper Ornithological Club." [signed] John McB. Robertson, W. Lee Chambers, Loye Miller, Hildegarde Howard, Alden H. Miller, Charles Sibley.

The secretary brought to the Club's attention the announced plans for the modification of the boundaries of the San Geronio Primitive Area in the San Bernardino National Forest. The changes are to be made in order to permit the development of the area for winter recreation. After discussion, the secretary was instructed by a unanimous vote of those present to write to the Chief Forester and to the Regional Forester urging that careful consideration of the proposed modifications and their effect on wild life in the area be taken into account before permitting any changes.

The chairman of the nominating committee, Dr. Robert C. Miller, presented the following slate of officers for nomination. Sumner C. Brooks, president; Frank A. Pitelka, vice-president; Charles G. Sibley, secretary. These nominees were elected by a vote of those present.

Mrs. Kelly reported Mountain Plover in considerable numbers between Los Baños and Coalinga and White-tailed Kites at Sears Point on January 10, 1947, at Pacheco Pass on January 17, and at Moss Landing on January 19.

Mrs. Eric Reynolds, the speaker of the evening, showed motion pictures of southeastern birds.—CHARLES G. SIBLEY, *Secretary*.

FEBRUARY.—The monthly meeting of the Northern Division of the Cooper Ornithological Club was held on February 20, 1947, in Room 2503, Life Sciences Building, University of California, Berkeley; 80 members and guests were present. The following names were proposed for membership: Mrs. Mary E. Blayney, 2508 Benvenue Ave., Berkeley 4, Calif., by Hilda W. Grinnell; Mrs. Eloise R. Denniss, 1101 Hillview Road, Berkeley 8, Calif., by Eric Reynolds; Mrs. C. J. Lunsford, 1772 Spruce St., Berkeley 9, Calif., by Mrs. R. F. Leavens; Wallace Hughes, Game and Fish Commission, State Capitol, Oklahoma City, Okla., Mrs. May F. Butler, John Day, Oregon, Paul Cecil Bibbee, 510 Dryden Road, Ithaca, N.Y., Louise Hering, Biology Dept., University of Colorado, Boulder, Colo., and Peter Kebless, 162 Van Winkle Ave., Garfield, New

Jersey, by Alden H. Miller; Brig. Gen. B. G. Chynoweth, 832 San Luis Road, Berkeley 7, Calif., Mrs. Arthur E. Gordon, 1645 La Loma, Berkeley 9, Calif., and Rachel A. Weckerle, 955 Fresno Ave., Berkeley 7, Calif., by Charles G. Sibley. The Northern Division voted unanimously in favor of electing Hilda Wood Grinnell and Joseph S. Dixon to Honorary Membership in the Cooper Ornithological Club.

Mrs. Grinnell called the Club's attention to the availability of a "List of the Birds of the Monterey Peninsula" recently published by the Monterey Peninsula Audubon Society.

John Davis reported 70 Sandhill Cranes at Los Baños. Junea Kelly reported 4 male and 4 female Hooded Mergansers on Phoenix Lake and an Allen Hummingbird at Ross on February 15. She observed 200 California Murres and a Pigeon Hawk at Point Reyes on February 18. Joe Marshall observed a Red-shouldered Hawk at Bolinas on February 16. Charles Sibley reported Harlequin Ducks at Tomales Point on February 14.

The speaker of the evening, Seth B. Benson, told of a trip to the Sweetwater Mountains of Mono County, California. Ward C. Russell supplemented Dr. Benson's talk with an account of an unusual sapsucker nest.—CHARLES G. SIBLEY, *Secretary*.

MARCH.—The monthly meeting of the Northern Division of the Cooper Ornithological Club was held on March 27, 1947, in Room 2503, Life Sciences Building, University of California, Berkeley; 175 members and guests were present. The following names were proposed for membership: Albert L. Wilk, R. R. 2, Camrose, Alberta, Canada, by Keith Dixon; Richard F. Johnston, 778 Marsh St., San Luis Obispo, Calif., by Joe T. Marshall, Jr.; Walter R. Donagho, 913 Alewa Drive, Honolulu, T.H., by Harvey I. Fisher; James G. Irving, Jr., 631 Albin St., Teaneck, New Jersey, by Grace Crowe; Aryan I. Roest, 4232 S. E. Cora St., Portland 6, Oregon, by Frank Pitelka; Miss A. L. C. Macvean Green, % Toronto General Trust Corp., Pender St., Vancouver, B.C., and Mrs. George C. Browne, 2435 Ivy Drive, Oakland 6, Calif., by Junea Kelly; Herbert P. Eichler, 2211 Andrews Ave., New York 53, N.Y., by Charles Sibley.

The speaker of the evening, Dorothy Dean Sheldon, presented several reels of colored motion pictures on the birds and scenery of Nevada.—CHARLES G. SIBLEY, *Secretary*.

SOUTHERN DIVISION

FEBRUARY.—The monthly meeting of the Southern Division of the Cooper Ornithological Club was held in Room 145, Allan Hancock Foundation, University of Southern California, Los Angeles, February 25, 1947, with 150 members and guests present. The following names were proposed for membership: Howard Thomas Odum,

Box 1019, Chapel Hill, N. C., Miss Virginia Armstrong, Musketaquid Rd., Concord, Mass., Sister Mercedes, 7505 W. Glenoaks Blvd., Cabrini Villa Academy, Burbank, Calif., Hubert F. Morris, 28 Glengowan Rd., Toronto 12, Ont., Canada, and Hal Holmes Harrison, 1102 Highland St., Tarentum, Pa., by C. V. Duff; Henry W. Isham, 460 Bellefontaine St., Pasadena, Calif., and Robert A. McCabe, 424 University Farm Place, Madison 5, Wis., by J. McB. Robertson; Wade Laidlaw Enoch, 323 Lucard St., Taft, Calif., and Carl Raymond Enoch, 323 Lucard St., Taft, Calif., by Dorothy E. Groner; Edward J. Foley, 300 Delaware Ave., Oak Ridge, Tenn., and Douglas Edward Wade, Office of The Naturalist, Dartmouth College, Hanover, New Hampshire, by W. Lee Chambers; Robert F. Mason, Jr., 614 E. Washington St., Orlando, Florida, by Wilson C. Hanna; and Mr. P. Barruel, 12 Rue Pecelet, Paris XVe, France, by William H. Behle.

The Southern Division voted unanimously in favor of electing Hilda Wood Grinnell and Joseph S. Dixon to Honorary Membership in the Cooper Ornithological Club.

It was moved, seconded and unanimously carried that the resolution presented by I. D. Nokes be adopted as an expression of the Southern Division in the death of Howard P. Davis.

C. V. Duff reported briefly on the hearing held on February 19 in San Bernardino concerning changes in boundaries of the primitive area of Mt. San Gorgonio and suggested that the secretary be instructed to send a written communication to the proper authorities expressing the objections of the Southern Division to any changes in the present boundaries. It was so moved, seconded and unanimously carried.

Roland Case Ross spoke on "How Winter Affects Sierra Birds."—DOROTHY E. GRONER, *Secretary*.

MARCH.—The monthly meeting of the Southern Division of the Cooper Ornithological Club was held in Room 145, Allan Hancock Foundation, University of Southern California, Los Angeles, on March 25, 1947, with 125 members and guests present. The following names were proposed for membership: Wesley Batterson, Rt. 1, Box 29, Nehalem, Ore., and Kenneth M. Walker, 704 S. 15th St., Corvallis, Ore., by Alex Walker; L. Richard Mewaldt, Department of Zoology, Montana State University, Missoula, Mont., by Philip L. Wright; Eugene Elvin Cardiff, R.F.D. 1, Rialto, Calif., by Edmund C. Jaeger; and Malcolm John Lerch, R. D. 5, Penn Yan, N.Y., by C. V. Duff.

Arthur Berry reported the observation of a Fulmar inside the San Pedro breakwater on March 15.

Robert T. Moore spoke on "Collecting Stations in Tropical and Boreal Mexico."—DOROTHY E. GRONER, *Secretary*.