

measure of realization upon the rather generous claims for scientific importance now being made for it, there is no question that bird banding affords an advantageous objective for out-door recreation—one which is stimulative to the powers of observation and induction.

Besides the program of papers, a hardly less attractive feature of the Pittsburgh meeting was the exhibition of paintings by American bird artists. An entire gallery of the Carnegie Institute was devoted to this display, to which no less than 32 different persons contributed. There were upwards of 150 drawings and paintings, of which some of the particularly noteworthy were as follows: Scoters, by Frank W. Benson; Canvas-backs, and Black Ducks, by Courtney Brandreth; Sketch of Golden Eagle, by Paul Branson; Golden Eagle and Ptarmigan, and Sparrow Hawk, by Allan Brooks; Black Ducks and Canada Geese, by Louis Agassiz Fuertes; Gyrfalcon and Harlequin Ducks, and Sharp-shinned Hawk and Woodcock, by Lynn Bogue Hunt; Scaups, by F. L. Jacques; Screech Owl, by H. Emerson Tuttle; and Great White Heron, by George M. Sutton. The latter, so I overheard an eminent artist remark, was perhaps the most original and striking in concept and execution of the whole exhibition.—J. GRINNELL.

MINUTES OF COOPER CLUB MEETINGS

NORTHERN DIVISION

OCTOBER.—The regular monthly meeting of the Cooper Ornithological Club, Northern Division, was held at the Museum of Vertebrate Zoology, Berkeley, at 8 o'clock, October 23, 1924. President Dixon was in the chair and the following members were present: Misses Fisher and Wythe; Mesdames Grinnell and Mead; Messrs. Borell, Bourne, Bunker, Clabaugh, Dixon, English, Grinnell, W. Grinnell, Hall, Hunt, Lastreto, Mailliard and Simpson. Mr. and Mrs. Law were visitors from the Southern Division, and eight non-members were present.

Minutes of the Northern Division for September were read and approved. Minutes of the Southern Division for September were read.

The following names were proposed for membership: Mary P. (Mrs. H. B.) Mikesell, 1633 Addison Street, Berkeley, by Margaret W. Wythe; Mrs. Loretta B. Keeler, Box 471, King City, by J. Grinnell.

The resignation of Miss M. Pamela Clough was accepted with regret.

Mr. Mailliard reported the occurrence of the Golden-crowned Sparrow, the Rufous Hummingbird and the Western Tree Sparrow in Modoc County in September, and Miss Wythe announced that she had recently seen the White-throated Sparrow and the Black-and-white Warbler on the University Campus.

The program of the evening was given by Mr. J. Eugene Law, of Altadena, who has charge of bird-banding on the Pacific Slope for the Bureau of Biological Survey. Mr. Law presented "Some Results of Bird Banding in the West." Although stating that the primary object in the fostering of bird banding has been to obtain data on the migratory movements of birds, Mr. Law suggested that many interesting lines of inquiry will occur to the bird student who traps and bands birds. Among these are the working out of the speed of ossification of bones of young birds by banding nestlings and later retaking them; the study of the effects of parasitism upon nestlings; the molts and plumages of the individual; and the local shifting of bird populations. Since chicken feed is the bait most often used in traps, grain-eating species are most apt to be taken; but if the traps are baited with cotton during the nest-building season of birds, other kinds may be secured.

Mr. Law's talk proved to be of great interest to Club members, and at its close all examined appreciatively the traps on exhibition and the note-book records shown.—HILDA W. GRINNELL, *Secretary*.

NOVEMBER.—The November meeting of the Cooper Ornithological Club, Northern Division, was held at the Museum of Vertebrate Zoology, Berkeley, at 8 o'clock, November 20, 1924. President Dixon presided and the following members were present: Misses Beaman and Rush; Mesdames Bamford, Grinnell, Schenck, Schlesinger and Mikesell; Messrs. Badè, Borell, Bryant, Carriger, Clabaugh, Cooper, Dixon, English, Evermann, W. Grinnell, Hall, Hudson, Kibbe, Labarthe, Lastreto, Mailliard, Simpson, Schenck and Swarth. Visitors were: Mesdames Cooper, Evermann, Hudson and Swarth, and Mr. Mikesell.

Minutes of the Northern Division for October were read and approved. Minutes of the Southern Division for October were read.

A communication was read from the International Congress for the Study and

Protection of Birds, inviting the Cooper Club to subscribe to membership in the Congress, to send delegates and papers to the convention to be held at Luxembourg, April 13-16, 1925, and asking that Cooper Club members give publicity to the meeting of the Congress. Upon the motion of Mr. Lastreto, seconded by Mr. Mailliard, the Secretary was instructed to take out membership in the Congress in the name of the Northern Division of the Club.

Mr. Kibbe called the attention of those present to an unparalleled opportunity to secure at a very reasonable rate from a New York dealer, Hudson's Birds of La Plata.

Mr. H. S. Swarth presented the paper of the evening, entitled "A Naturalist's Visit in Northern British Columbia". It had been Mr. Swarth's good fortune to spend the summer of 1924 in this region in company of Major Allan Brooks, and he very generously shared with his hearers his pleasant memories of the groves of quaking aspens, park-like woods, balsam-covered mountain slopes, flocks of white-winged scoters coming by hundreds across the snow-capped ranges, lakes tenanted by nesting water-fowl, haunts of golden-crowned sparrows in the trailing birches of timberline, and the abiding places of the ptarmigan.

It was with perhaps equal kindness that Mr. Swarth touched only lightly and humorously upon the petty trials which come to all who forsake the highways of civilization for the paths of Nature. Adjourned.—HILDA W. GRINNELL, *Secretary*.

SOUTHERN DIVISION

SEPTEMBER.—The regular monthly meeting of the Cooper Ornithological Club, Southern Division, was held at the Los Angeles Museum, Exposition Park, Thursday, September 25, 1924, at 8 P. M., with the president, Mr. Wyman, in the chair and forty-four members and guests present.

Minutes of the August meeting were read and approved. August minutes of the Northern Division were not at hand. The following names were proposed for membership: Harold Michener, 418 Elm Avenue, Pasadena, by J. Eugene Law; Thomas N. Faulconer, Balboa Park, San Diego, by Clinton G. Abbott; Roy A. Nelson, Livermore, by W. Lee Chambers; Lex Lucas, Claremont, by Wright M. Pierce; Kenneth Gardner, Pasadena, by M. W. De Laubenfels.

Mr. Wyman announced the completion of the second installment of the Bibliog-

raphy of California Ornithology, which brings this work up to the end of 1923.

Various members were called upon for recent observations. Mr. Law and Mr. Pierce responded with remarks on birds around Big Bear Lake and Bluff Lake. A report of the shore and water birds at Playa del Rey was given by Mrs. Schneider. Mr. De Laubenfels told briefly of an 11,000-mile trip he had taken this summer through 36 states, and of the various water birds that came under his observation.

The speaker of the evening was Mr. Wyman, who gave a most interesting and instructive talk on various gulls. He described the changes in plumage of the Western, the California and the Ring-billed, illustrating his remarks with skins. He gave the identifying field marks of these and others of the more common gulls. The appreciation of a talk by Mr. Wyman was evidenced by the unusually large attendance. Adjourned.—ELLA H. ELLIS, *Secretary*.

OCTOBER.—The Cooper Ornithological Club, Southern Division, held its regular monthly meeting at the Southwest Museum on October 30, 1924, at 8 P. M., with an attendance of fifty members and guests. The meeting was called to order by President Wyman.

The speaker of the evening, Mr. Roland C. Ross, was given precedence on the program. Mr. Ross, in his talk, "California Water Fowl," told of the countless numbers of ducks and geese that abounded in California in early days and of the falling off in numbers following the cultivation of their feeding grounds. He related some interesting experiences of his own in the San Joaquin and Sacramento valleys last spring; and so vivid were his descriptions that one saw with him the flocks of geese as he came upon them and heard the whir and the rush of wings as they rose in the air for flight. As pictures were thrown on the screen, Mr. Ross imitated the calls of many of the geese shown.

Following Mr. Ross' enjoyable talk, minutes of the September meeting were read and approved. September minutes for the Northern Division were also read. Three new names were proposed for membership: Mrs. Chester Stock, 2841 Forest Avenue, Berkeley, by L. E. Wyman; Miss Eva M. Olson, 630 Ventura Street, Pasadena, by M. W. De Laubenfels; Mr. D. Herbert Runner, 860 North Michigan Avenue, Pasadena, by M. W. De Laubenfels. Adjourned.—ELLA H. ELLIS, *Secretary*.