

that are presented. There is an attempt to stabilize the nomenclature of muscles by adopting the BNA names in instances where homology with mammalian muscles has been claimed. In the problem of homology, Gadow's opinions, which need confirmation, are followed closely. Muscles not so homologized, bear names taken from Gadow's descriptive system. These names are sometimes awkward and unnatural, but the same is true to even greater degree of those of Shufeldt which, conveniently, are given in synonymy. The author wisely emphasizes that the exact diagnostic peculiarities of the musculature of larger taxonomic categories are yet to be determined. Dissection of a few samples of an order gives no picture of the constancy of myological characters within the group. Thus, although Hudson's synopses of characteristics of each order are valuable, they also should stimulate additional investigation.—A. H. M.

An article the reading of which proved exceptionally entertaining to our type of mind appeared in the *Wilson Bulletin* (vol. 48, 1936, pp. 203-215) under the title "The First Descriptions of North American Birds." In this article the writer, Prof. O. A. Stevens of North Dakota Agricultural College, tabulated the species described by each of the earlier authors and gave additional information of interest. Recently we took opportunity to check over the names of North American birds first launched by Linnaeus in the 10th (1758) and 12th (1766) editions of the *Systema Naturae*. We followed the references as given in the 4th edition (1931) of the A. O. U. Check-list and found that in the 10th edition of Linnaeus, 153 of the species on the A. O. U. list had been first named by him, and in the 12th, 51 additional species. These figures are close to those given by Stevens, the differences being accounted for in part by the fact that we counted in all the "accidentals" and "introductions." As pointed out by Stevens, Linnaeus had no first-hand information on exclusively American birds, having got what diagnostic materials he required from Catesby, Edwards, Brisson, and other non-binomial authors.—J. G.

Announcement on the back cover of this issue of the *Condor*, of temporary reduction in prices of Cooper Club publications, provides an opportunity to fill out sets which is not likely to be repeated. Persons who make field observations on birds in any of the districts covered in the *Avifauna* series can scarcely afford to be without the numbers which pertain to their areas. The chief interest in much of our bird watching comes through comparison of our findings with previous records from the same neighborhoods.—J. M. L.

The sad word comes of the death of Frederic H. Kennard, at his home in Newton Centre,

Massachusetts, February 24, 1937. A member of the Cooper Ornithological Club since 1911, he has long been known to us as one of the most cheerfully helpful and sympathetic of our eastern representatives. He belonged to that potent group centered at the Museum of Comparative Zoology, which has been consistently productive of good ornithology and influential in guiding current thought.—J. G.

## MINUTES OF COOPER CLUB MEETINGS

### SOUTHERN DIVISION

NOVEMBER.—The regular monthly meeting of the Southern Division of the Cooper Ornithological Club was held November 24, 1936, at the Los Angeles Museum, Exposition Park, with President Little in the chair, and 46 members and guests present. Minutes of the Southern Division for October were read and approved. Minutes of the Northern Division for September and October were read by title only. Proposals for membership were: Edward M. Hall, P. O. Box 84, Whittier, Calif., by Sidney B. Peyton; Kemuel Anderson, 949 S. Gramercy Place, Los Angeles, by Loye Miller; Hatch Graham, 10300 Viretta Lane, Los Angeles, by R. B. Cowles; Boyd McLeod, 145 S. Beachwood Drive, Los Angeles, by Mrs. J. Eugene Law.

The following proposal for Honorary Membership was read:

The unique and uninterrupted service of W. Lee Chambers for nearly forty years in the interest of the Cooper Ornithological Club is too well understood by the entire membership to need elaboration here. To state merely that this officer has throughout these long years stood silently, but smilingly, alone as a bulwark against which financial buffetings have broken in vain assaults on our publishing machinery, seems sufficient to warrant whatever expression of confidence and appreciation lies within our power to bestow. Lee Chambers has never wavered in his loyalty and devotion to western ornithology and to Cooper Club interests. A singularly sound and shrewd business judgment combined with a never-failing enthusiasm in furtherance of the publication of worthwhile manuscript material over the Club imprint has been of the most vital importance alike to the organization and to the Science. His own vicarious contributions to avian bibliography can be attested by all who have experienced his wide and diversified knowledge of the literature of birds, no less than by those who know of his energy and foresight in fostering the publication of this most important, though often neglected, class of material. His uniform courtesy and thoughtful kindnesses as host to countless visiting ornithologists have been no small factors in making Club sociability known far and wide for its warmth and sincerity.

In view, then, of his life of devotion to the organization and to western ornithology, Be It RESOLVED that the Secretary be instructed to cast a unanimous ballot for the election of W. Lee Chambers to Honorary Membership in the Cooper Ornithological Club, and, be it RESOLVED that Mr. Chambers be furnished with a copy of these resolutions.

Signed by Wright M. Pierce, Joseph Grinnell, Harry Harris, Louis B. Bishop, George Willett, Howard Robertson, Guy C. Rich, Loye Miller.

R. B. Cowles reported, on the sardine question, that the committee had decided, after investigation, that nothing should be done for the present. A letter from the State Fish and

Game Commission stating that no permits to discharge firearms from an airplane would be issued, was read. A letter from the curator of Ornithology at the Santa Barbara Museum, telling about the finding in the mountains northwest of Santa Barbara of two Condors that evidently had been killed by a heavy fall of hail, was also read. Mr. Sheffler told of his trip into the White Mountains of Arizona after Wild Turkeys, and the finding on October 20 of Band-tailed Pigeons nesting, with fresh eggs in the nests. Dr. Miller reported finding two dead Slender-billed Shearwaters dead on the beach.

Dr. Miller, the speaker of the evening, then told in his inimitable way, of his trip down the west coast, by boat, to Panama, through the canal and to Chiriquí Lagoon where most of his time was spent. Wyman Gulls followed the steamer part way down the coast of Lower California, and California Gulls were present from the southern part of the Lower California coast, part way down the Mexican coast, but from there till they reached the Gulf of Tehuantepec, all species of Gulls were absent. Laughing Gulls were then common in winter plumage, until after passing through the canal to the Caribbean side, where no gulls were to be seen. This was the latter part of February, and when he returned from Chiriquí Lagoon the first part of April Laughing Gulls in breeding plumage were common. Dr. Miller had brought a number of bird skins to illustrate his talk and their plumage was in the main part very dark, either black or brown, with brilliant reds and yellows for contrasts. After the meeting adjourned, these were examined with much interest.

Adjourned.—SIDNEY B. PEYTON, *Secretary*.

DECEMBER.—The regular monthly meeting of the Southern Division of the Cooper Ornithological Club was held at the Los Angeles Museum, Exposition Park, on Tuesday, December 29, 1936, at 8 p.m., with President Little in the chair and 55 members and guests present. Minutes of the Southern Division for November were read and approved. Minutes of the Northern Division were read by title only. The following names were proposed for membership: Joseph Ewan, 3000 Life Sciences Bldg., University of California, Berkeley, by Margaret W. Wythe; Oscar Owre, Jr., 2625 Newton Ave. So., Minneapolis, Minn., and Egmont Z. Rett, Museum of Natural History, Santa Barbara, Calif., by W. Lee Chambers; William Thomas Miller, 1809 Bushnell Ave., South Pasadena, Calif., by Harold Michener.

Following the second reading of the proposal for Honorary Membership of W. Lee Chambers, it was moved, seconded and carried, that he be declared unanimously elected. President Little

appointed W. Lee Chambers, Dr. Loye Miller and Dr. Guy C. Rich to serve as a committee to nominate officers for the coming year.

President Little then introduced the speaker of the evening, M. Jean Delacour, the distinguished French Ornithologist who spoke on the ornithological exploration of Indo-China, where he had spent parts of several years in gathering a general collection of the birds that inhabit that country. Most of these specimens went to the American Museum in New York, the Field Museum in Chicago, the British Museum in London, and the Natural History Museum in Paris. Many of the birds collected were of species new to science; many were very rare and difficult to collect. Mr. Delacour had four of his volumes with him that were illustrated with colored plates of the birds that had been collected on these expeditions; these books were passed around for the members to examine.

Sidney Peyton told of the finding by Herman Keene, on December 1, of the mummified body of an adult California Condor in the "Squaw Flat" section of the Lower Sespe country. From the condition of the body it had evidently been killed by some deer hunter this past hunting season.

Adjourned.—SIDNEY B. PEYTON, *Secretary*.

#### NORTHERN DIVISION

NOVEMBER.—The regular monthly meeting of the Northern Division of the Cooper Ornithological Club was held on Thursday, November 19, 1936, at 8 p.m., in Room 2503 Life Sciences Building, Berkeley, with President Miller in the chair and about 90 members and guests present. Minutes of the Northern Division for October were read and approved. Minutes of the Southern Division were read by title only. Applications for membership were: Lovett Thomas Turner, Box 981, Emmett, Idaho, proposed by E. L. Sumner, Sr.; J. Duncan Graham, Box 27, Benicia, California, proposed by Emerson A. Stoner; William H. Marshall, Box 603, Brigham City, Utah, proposed by Seth B. Benson.

Miss Werner told of her observations of birds in Washington, D. C., during July and mentioned the work of Mr. Albert Brand in recording bird songs. E. L. Sumner, Sr., asked whether it was usual to find the Wilson Snipe in such a locality as a dry region of the Santa Cruz Mountains, at an elevation of 2000 feet, where a small pond provided the only suitable habitat. Mr. Moffitt described a similar occurrence of the species in Mendocino County, and Miss Carter in San Bernardino County. Mr. Behle recalled that Dr. Haley had asked whether the California Quail had been introduced around Salt Lake City, where it is now numerous, and

cited an article written by J. A. Allen in 1871, which mentions the presence of introduced California Quail. Walter Moore reported a Duck Hawk near Los Baños; there were irrigated farms near-by.

President Miller introduced the French ornithologist, M. Delacour, who spoke briefly on the next International Ornithological Congress, to be held near Paris in May, 1938, extending a cordial invitation to all who might be so fortunate as to be able to attend. M. Delacour expressed his pleasure in attending his first meeting of the Cooper Club, after twelve years of membership.

The speaker of the evening was Mrs. G. Earle Kelly; her topic, "High Lights While Birding—Maine to Florida." In presenting her wealth of observations, Mrs. Kelly emphasized the means of reaching places for profitable bird study, particularly bird sanctuaries, accessible by public transportation from the largest cities. She found the chambers of commerce everywhere most accommodating and also spoke of the cordial welcome extended her by A. O. U. members. She demonstrated a "turkey call" given her by an elderly negro caretaker at McClellanville, South Carolina, a wooden, box-like instrument used to lure wild turkeys by imitating their calls. Perhaps the outstanding experience was a journey from Houston, Texas, to see Roseate Spoonbills on Vingt'un Islands. As a climax to the program, Mrs. Kelly showed moving pictures of the National Association of Audubon Societies' nature camp at the Todd Sanctuary on Hog Island, Muscongus Bay, Maine, where a staff of specialists gives instruction in all phases of Natural History.

Adjourned—FRANCES CARTER, *Recording Secretary*.

DECEMBER.—The regular monthly meeting of the Northern Division of the Cooper Ornithological Club was held on Thursday, December 17, at 8 p. m., in Room 2503 Life Sciences Building, Berkeley, with President Miller in the chair and about 50 members and guests present. Minutes of the Northern Division for November were read and approved. Minutes of the Southern Division for November were read. An application for membership was read from Mr. Gordon H. True, Jr., 1 Belmont Avenue, San Francisco; proposed by J. M. Linsdale. The proposal of W. Lee Chambers for honorary membership in the club was given first reading, final action to be taken at next meeting.

Mr. Grinnell then brought before the meeting the practical matter of choice of names of birds to be used in a new, revised edition of the list, "Birds of the Berkeley Campus," which he and Miss Wythe are preparing. The choice lay between the use of the full trinomial form in both

vernacular and latin names, and two possible, reduced forms. After some discussion, a vote was taken, and the majority proved to favor use of the full trinomial. Mr. Cain, reporting for the conservation committee, called attention to an article by Kenneth A. Reid, in the last issue of *Bird-Lore*, entitled, "We Can't Afford Pollution." Mr. Linsdale reported on plans being made by officials of the recreation department of Berkeley for a bird refuge, similar to that at Lake Merritt, in connection with the aquatic park on the waterfront. Mr. Linsdale had been consulted on planting for the benefit of birds and planned to keep watch of the site.

President Miller suggested that the secretary send a communication to the proper city officials, expressing the appreciation of the club for the work being done. As is customary at the December meeting, the president designated a nominating committee. He appointed J. M. Linsdale, E. L. Sumner, Sr., and Miss Selma Werner.

Mrs. Kelly reported a Mockingbird in the Botanical Garden December 13 and spoke of the establishment of definite territories in this species. E. L. Sumner, Sr., said that apparently no Mockingbirds had nested last spring in Richmond or Albany, as they had done in previous years. Mr. Haley commented on the remarkable influx of Killdeers on the campus and their ceaseless calling at night. A Holboell Grebe was reported from Lake Merritt. Mr. Kinsey told of capturing seven Bush-tits in a water trap, and mentioned the dearth of Varied Thrushes in Marin County this year, as compared with last.

Mr. Frederick H. Test was the speaker of the evening; his topic, "Through the West in Search of 'Hybrid' Flickers." He outlined the distinguishing characters of the Red-shafted and the Yellow-shafted flickers, explaining that the term "hybrid" was here used to denote those birds which exhibited, whatever their origin, some combination of the characters of the two species. The search for breeding places of these "hybrids" took him through ten states during the period from May 29 to July 2, 1936. In presenting the results of his observations, Mr. Test told of proposed experiments to determine the effects of plucking and of hormone injection on the plumage characters. He repeated the request, made at the previous meeting, for reports of flicker roosts, where live birds might be obtained for observation. At the close of the meeting, a tray containing typical specimens of the two species along with a series of "hybrid" individuals was given close examination in the light of the speaker's remarks, by many of the members.

Adjourned.—FRANCES CARTER, *Recording Secretary*.