

was in the affirmative providing the individual cost was not excessive.

Advance greetings from San Diego were extended by President Abbott to members planning to attend the Ninth Annual Meeting of the Cooper Ornithological Club, and Dr. Miller made another request for response as to probability of attendance, paper to be given, and reservation for dinner, so that necessary details might be completed in connection with the program and entertainment.

The recent deaths of Messrs. Edward J. Brown and J. Hooper Bowles, and of Miss Caroline P. Canby, all members of the Cooper Ornithological Club, were brought to the attention of the meeting, as was also the death of Dr. R. W. Shufeldt. Dr. Miller made the suggestion that those present stand for sixty seconds in honor of these members and friends. This motion of respect was accepted unanimously and in all sincerity.

The program of the evening, "A Trip to Sonora," was presented by Mr. Robert T. Moore and Dr. William H. Burt. Mr. Moore in outlining the trip told of the border difficulties which delayed departure from Nogales for several days, then he described the country through which they traveled enroute to Hermosillo, from there to Guaymas, across the Yaqui River to the Mayo River, and into the mountains. Some colorful and interesting birds encountered were the large macaws, long-tailed jays, three kinds of parrots, motmots, and woodhewers. Wild turkeys were sought but found only by the natives. An interesting reel of motion pictures made during the trip was shown at the conclusion of Mr. Moore's talk.

Dr. Burt then took up the question of what constitutes a so-called faunal area in Sonora or in Lower California. From his point of view all forms of life in the area should be taken into consideration. He mentioned the commendable work of Mr. Frank Stephens, who was the first to subdivide California into life areas and who based these each on about the same amount of temperature, moisture, and soil conditions. Inasmuch as the faunal area work has practically all of it been done on birds, Dr. Burt said that the mammalogists and workers in other fields should not complain, yet they could use the faunal area concept to greater advantage if they knew upon just what it had been based. He then told something of the smaller mammals secured on the trip

to Sonora, in which is the northern limit of a great many species, and of having collected a bat known previously only from Central America.

In the discussion which followed, Mr. Ralph A. Woods spoke of having been a member of two parties that went into Mexico after quail and of his pleasure and enjoyment on both trips. President Abbott reported that at the present time the San Diego Natural History Museum had a small field party in Sonora.

As an additional feature of the evening's program, Mr. Moore gave a short talk covering his ascent of Mt. Chimborazo, in Ecuador, and showed a series of colored slides made from pictures taken while on the climb.

Meeting adjourned. — LAURA B. LAW,
Secretary.

NINTH ANNUAL MEETING

The Ninth Annual Meeting of the Cooper Ornithological Club was called to order by Clinton G. Abbott, president of the Southern Division, at 9:00 a. m., March 30, 1934, in the lecture room of the Natural History Museum, Balboa Park, San Diego. Expressions of good wishes for the success of the meeting were received from John G. Tyler of Fresno, Stanley G. Jewett of Portland, Dr. T. S. Palmer of Washington, D. C. (as secretary of the American Ornithologists' Union), and from Gregory Mathews of Winchester, England.

Vice-president Alden Miller of the Northern Division responded to the cordial welcome extended to the Club by President Abbott. He then announced a brief business session for the purpose of discussing the incorporation of the Club. A resolution of incorporation was offered by Mr. W. Lee Chambers, who stated that Mr. Howard Robertson had prepared the necessary legal papers. Since Mr. Robertson will present elsewhere a technically correct statement of the incorporation proceedings it will only be remarked here that the adoption of the resolution was moved by Dr. Loye Miller, seconded by Mr. J. R. Pemberton and unanimously carried.

The first paper on the program, "Nesting of the Black Swift in Sequoia National Park", was read by title only, as the author, Joseph S. Dixon, was unable to be present. "Notes on the Xantus tradition", by Harry Harris, was presented by W. H.

Burt and proved to be a historical paper of unusual interest. It was illustrated by three slides, the first two portraying the covers of the two rare Hungarian volumes which preserve some of the Xantus letters and records, while the third reproduced a fine photograph of John Xantus himself, secured through the kindness of Dr. Alexander Wetmore. "The present status of the state list" was discussed by Joseph Grinnell. An illustrated paper on "A faunal comparison of the east and west coasts of the northern end of the Gulf of California", by L. M. Huey, closed the morning session.

Lunch at 12:30 o'clock in the Japanese Tea House nearby afforded both nourishment and amusement, even the more staid among those present essaying to imbibe noodles by the oriental method.

The afternoon session opened promptly at 2:00 o'clock with Dr. Loye Miller in the chair. "Habits of male hummingbirds near the nest" was discussed by Mr. Robert T. Moore, with special reference to the Violet-eared Hummingbird of Ecuador. Mr. George M. Wright spoke with optimism on the topic "The primitive persists in bird life of Yellowstone Park." The next paper was by Dr. Loye Miller on "New bird horizons in California." Dr. Miller announced that discoveries in the newly found fields carry the record of the Albatross back to the Miocene.

"The dorsal neck bulge in hummers and the awakening of hummers", by Dr. J. J. Parsons of Monrovia, was a most novel departure and was illustrated with X-Ray lantern slides and motion picture film. That the bulge on the back of a hummingbird's neck could be attributed to a recent indulgence in sugar syrup was startling enough to the secretary, but when Dr. Parsons started computing the amount of food a man would require daily if he had the proportionate appetite of a hummingbird the secretarial pencil was dropped in despair, for no editor living would let such figures pass unchallenged.

Dr. Miller called Mr. C. B. Lastreto to occupy the chair at this time. "Some bird remains from caves in Texas and New Mexico" was the title of a brief talk by Dr. W. H. Burt; and this was followed by "Do birds spread obnoxious pests in citrus trees?", a summation of facts observed by Mr. James B. Dixon during many years of residence in the citrus belt of San Diego County. Briefly, the answer was "not proven". To have Mr. and Mrs.

Vernon Bailey in attendance at our annual meeting was a great pleasure, and Mr. Bailey's demonstration of "Painless pole traps for taking hawks and owls and other large birds for banding" attracted much interest. The afternoon session closed with Mr. Robert T. Moore's interesting description of "The Mt. Sangay area of Ecuador and its fauna".

On Friday evening the Annual Meeting of the Board of Governors of the Cooper Club was held in the hospitable home of J. W. Sefton, Jr., President of the San Diego Society of Natural History, while Mrs. Clinton G. Abbott charmingly entertained the governors' ladies at dinner in her lovely home overlooking Mission Canyon.

On Saturday morning, March 31, President Abbott called the meeting to order at 9:30 o'clock. A paper upon "Characters differentiating certain species of *Stercorarius*", prepared by George Willett and Hildegard Howard, was read by the former. Dr. Miller congratulated the authors on the abundance of material which they had at hand for comparison, stating that when he began his studies of avian osteology some years ago his initial supply of materials for comparison consisted of the skeletons of one rooster, one sea gull and one ostrich! Mr. Abbott called Mr. Willett to the chair at this time and A. J. van Rossem read a paper upon "Some European types of American birds", of interest to members concerned with the intricacies of nomenclature. Mr. Roland C. Ross being absent, his paper on "The whisper songs of some birds" was read by title; and then Mr. James Moffitt of the California Division of Fish and Game discussed "State scientific collecting permits", a topic which awakened so much interest that the Chair appointed a committee composed of Dr. Bishop, Mr. Huey, Mr. van Rossem, Mr. Grinnell, Mr. James Dixon and Mr. George Wright to confer with Mr. Moffitt and make recommendations.

Sighs of relief were heard from several members when Mr. J. R. Pemberton was asked to take the chair and necessarily had to relinquish the movie camera with which he had been stalking various individuals. "Studies of the Prairie Falcon", a motion picture film by Wright M. Pierce, was much appreciated. "Problems of speciation in juncos", by Alden H. Miller, aroused interesting discussion. John McB. Robertson spoke upon "The

Condor exchange list" and explained the value to the Club of the exchange system. At this time the meeting was adjourned and lunch was served at Vincent's Dining Room, 2720 Fourth Avenue, San Diego.

At 2:10 p. m. the meeting re-convened and Mr. Michener presented "Mocking-birds—their territories and individualities", compiled by Harold and Josephine Michener from records kept of banded individuals watched throughout the year at the Michener home in Pasadena—a most valuable contribution. Mr. Lewis W. Walker gave an illustrated talk upon "The food of Barn Owls", of much educational value. The program closed with an instructive film on "Duck disease", prepared by the U. S. Biological Survey and presented by Mr. George Tonkin of the staff.

A check of the record of attendance kept by Mr. Frank Gander of the Museum showed that 106 names were registered, 65 being those of Cooper Club members.

Visitors from a distance found it pleasant to greet again, as at the Annual Meeting of the Club held in San Diego seven years ago, Mr. Frank Stephens, a member of the Club since 1894, and Mr. A. M. Ingersoll, whose membership dates from 1895. Other senior members present were Mr. A. W. Anthony and Mr. C. P. Streater.

The latter part of Saturday afternoon was devoted to a tour of the San Diego Zoo under the guidance of Mrs. Belle J. Benchley, Executive Secretary of the Zoological Society of San Diego. Very many rare birds and mammals were seen, greatest interest centering about the penguin pool and the cage inhabited by two thriving young gorillas.

The annual dinner was held informally at 6:30 o'clock on Saturday evening at the University Club, 1333 Seventh Avenue, with about seventy in attendance. Dr. Loye Miller, President of the Board of Governors, presided according to precedent and in his genial way of making the evening a very happy one was ably assisted by his Vice-president, Mr. George M. Wright. Farewells were said at nine o'clock and the Ninth Annual Meeting of the Cooper Ornithological Club ended for all members save the fortunate few who under the leadership of Mr. L. M. Huey spent Easter Sunday, April 1, visiting Los Coronados Islands. It is rumored that Mr. A. O. Treganza was the lucky finder of a set of Easter eggs (Duck Hawk) on North Island.

Adjourned.—HILDA W. GRINNELL, *Secretary Northern Division.*

GOVERNORS' MEETING

The Thirteenth Annual Meeting of the Board of Governors of the Cooper Ornithological Club was held at San Diego March 30, 1934. The Board was entertained at dinner by Mr. J. W. Sefton, Jr., President of the San Diego Society of Natural History, at his residence on Point Loma Avenue. President L. H. Miller was in the chair, and, in the absence of the Secretary, T. I. Storer, George Willett acted in that capacity. The following were present: Clinton G. Abbott, Louis B. Bishop, W. Lee Chambers, Mrs. Hilda W. Grinnell, Joseph Grinnell, C. B. Lastreto, Mrs. Laura B. Law, Harold Michener, A. H. Miller, L. H. Miller, J. R. Pemberton, W. M. Pierce, Howard Robertson, John McB. Robertson, George Willett, and George M. Wright. The following proxies were at hand: Mrs. Amelia S. Allen, Frank N. Bassett, Herbert L. Coggins, Harry Harris, and John G. Tyler held by W. Lee Chambers; R. B. Cowles and Joseph S. Dixon by L. H. Miller; W. K. Fisher and Jean M. Linsdale by J. Grinnell, and J. S. Appleton, J. S. Cooper, Joseph Mailliard, Wilfred H. Osgood, Gayle B. Pickwell, and Guy C. Rich by George Willett. J. W. Sefton, Jr., was present by invitation.

Minutes of the Twelfth Annual Meeting were read and approved. A report of the Auditing Committee that the Business Managers' accounts for 1933 had been examined and found correct was read and accepted. The report of the Editors was submitted by Joseph Grinnell. The *Condor* from May, 1933, to March, 1934, was practically the same size as for the preceding year, 272 pages, though the cost of printing had advanced from \$6.00 to \$6.60 per page. The new (1934) volume opened with a colored plate of humming-birds furnished by Robert T. Moore. In handling the engraving of this plate Harry Harris rendered important service. The continuation of the policy of publishing portraits of members of the Club was approved by vote of the Board. The Editor made special mention of papers published during the year, by E. L. Sumner, Jr., on Black-crowned Night Herons, George M. Wright, on men and birds in National Parks, and H. and J. R. Micheners' study on ages of House Finches; also (in *Field and Study*) J. B. Dixon's "Records of the nesting of certain birds in eastern California", T. T. McCabe's "The owl peril on the Berkeley campus", and H. S. Swarth's "Relationships of Coues and