

purpose. Allowing, however, that the first feather of ducks is the first definitive feather plus the down, the relation between the first definitive and the second definitive is much clearer. In figures 90-96 Mr. Jones shows photographs of the second feather of ducks, which is the second definitive according to his assertion, bearing at its distal end the first feather, which he regards as the combined down and first definitive. We see then that the relation between the first and second definitive feathers is practically the same as that between the down feather and the first definitive. Yet these are all regarded as relatively separate feathers, and certainly deserve to be in the light of all known facts.

The paper is interesting as showing the mode of connection between the down barb-vanes and the definitive barb-vanes. It would be instructive for some future investigator to explain and figure in detail the connection between the first and second definitive feathers.—  
WALTER P. TAYLOR.

## MINUTES OF COOPER CLUB MEETINGS

### SOUTHERN DIVISION

MAY—The Southern Division of the Cooper Ornithological Club, met at Throop Polytechnic Institute, May 30, 1907. The first part of the evening was filled up with informal consideration of topics of interest, the meeting being called to order about nine o'clock, with President Morcom in the chair. Walter Taylor was selected as secretary *pro tempore*.

The name of Cyril H. Bretherton was proposed for membership by Mr. Grinnell for Mr. Law. Mr. Watson, who is about to leave for Denver, Colorado, handed in several names of possible members of the club.

As there was no more business to be considered the meeting adjourned, and for the rest of the evening general ornithology and projected summer outings were discussed.

Members Morcom, Howard, Chamberlain, Judson, Watson, Lamb, Taylor, Willett and Grinnell were present.

WALTER P. TAYLOR,  
*Secretary pro tem*

AUGUST.—A specially called meeting of the Southern Division was held in the City Clerk's office, Los Angeles, August 30, 1907. President Morcom called the meeting to order at 8:30 P. M. with the following attendants: Dr. T. S. Palmer, J. H. Gaut, H. T. Clifton, O. W. Howard, G. Willett, G. F. Morcom, L. Chambers, Alphonse and Antonin Jay, C. E. Cosper, J. E. Law, J. Grinnell, H. J. Lelande.

The main interest of the evening was centered in the presence of Dr. T. S. Palmer, of the U. S. Department of Agriculture. Dr. Palmer spoke to the Club at length concerning the scope of work of the Bureau of Biological Survey, and especially of his own duties in connection with game preservation. He told very entertainingly of experiences in detecting illicit traffic in game, and of the institution and protection of National game refuges.

The matter was brought up of the establish-

ment of game preserves on our own coast. Several colonies of the Least Tern yet remain, and these deserve protection. It was thought that the readiest means would be thru efforts to induce private landowners to post and patrol their holdings.

Dr. Palmer was given a hearty vote of thanks for his cordial compliance with the invitation to talk to the Club, and the evening will long be remembered as one of the most enjoyable and profitable in the Club's history.

J. EUGENE LAW,  
*Secretary.*

NOVEMBER.—The regular November meeting of the Southern Division was held in the offices of H. J. Lelande, City Hall, Los Angeles, Cal., Wednesday evening, Nov. 27, with members G. Frean Morcom, H. J. Lelande, Jos. Grinnell, H. T. Clifton, O. W. Howard, C. E. Cosper, Howard Wright, W. Chamberlain, Walter Taylor and J. E. Law present.

The minutes of the September meeting were read and approved, and Mr. Howard and Mr. Lelande, who were present at the October outing meeting, gave an oral report. They noted several additions to the list of Newhall, Cal., observations. This list will be published elsewhere. They also noted that the English Sparrow colony there is increasing.

Applications for membership were proposed: C. O. Esterly, Ph. D., and L. A. Test, Ph. D., both of Los Angeles, Cal., and both proposed by Prof. Loye Holmes Miller; and Robert B. Rockwell, 1322 E. 13th Ave., Denver, Colo., proposed by Joseph Grinnell. In accordance with the By-Laws, action on these was deferred till next meeting. On motion, duly carried, the secretary was instructed to cast the unanimous ballot of those present electing to active membership Cyril H. Bretherton and R. Magoon Barnes, the latter subject to the approval of the Club-at-large owing to his non-residence in the State.

Mr. Grinnell proposed a vote of thanks to Mr. Clifton, the retiring business manager of THE CONDOR, for the faithful service rendered the Cooper Club during the years he has handled its finances, and for his very efficient management of its business affairs, until now the Club, and with it THE CONDOR, is in a most thriving condition. The motion was heartily approved by all present.

This being the last regular meeting before the annual election, nominations for 1908 were called for resulting as follows: For President, G. Frean Morcom; Vice President, H. J. Lelande; Secretary, J. Eugene Law, Treasurer, W. Lee Chambers.

A paper by Mr. F. C. Willard, Tombstone, Arizona, on the bird life in the vicinity of Tombstone, was read by the secretary in the absence of the author. Mr. Willard records some interesting local notes, and finds bird life much localized, particularly about a few cottonwoods and other trees on the edge of the city. In this little clump no less than 28 pairs of birds representing ten species raised their broods in 1907. Adjourned.

J. EUGENE LAW,  
*Secretary.*