

THE SEMI-CENTENNIAL MEETING OF THE
AMERICAN ORNITHOLOGISTS' UNION
NOVEMBER 13-16, 1933.

BY T. S. PALMER.

THE Semi-centennial Meeting of the American Ornithologists' Union in attendance, program, exhibits and field trips was the largest and one of the most successful meetings in the history of the organization. The American Museum of Natural History in New York, where the Union was founded half a century ago, was the place selected in which to review its record and celebrate its jubilee meeting. Unlike the initial meeting of 1883 when, on invitation of three officers of the Nuttall Ornithological Club, 21 individuals assembled to found the Union, the convention of 1933 brought together not only a large number of members but the officers and members of two vigorous off shoots of the Union, the U. S. Biological Survey and the National Association of Audubon Societies and representatives from many colleges, universities, museums and conservation organizations in Canada and the United States. A full week was spent in conference, discussion and exchange of ideas regarding modern bird study in all its phases. As a record of ornithological activity a memorial volume entitled 'Fifty Years' Progress of American Ornithology' prepared for the occasion was distributed at the meeting.

The public sessions were held in the Education Building of the Museum and the headquarters were at the Hotel New Yorker, Thirty-fourth Street and Eighth Avenue. Direct connection with the Museum was provided by the Eighth Avenue Subway.

Business Sessions:—The meetings on Monday included two sessions of the Council at 10 A. M. and 2 P. M., a meeting of the Fellows at 4 P. M., and a meeting of the Fellows and Members which lasted from 8 P. M. until after midnight. At the meeting of the Fellows an amendment to the By-laws was adopted increasing the number of Members that may be elected at any meeting from five to ten, and John T. Zimmer of New York was elected to fill the single vacancy in the list of Fellows.

At the business meeting 26 Fellows and 35 Members were present. The Report of the Secretary showed a total membership of 1993. The Treasurer reported total receipts of \$9,240.13 and disbursements of \$8,826.64 with a balance of \$413.49 on October 18, 1933. The Report of the Trustees, presented by the Chairman, showed the condition of the permanent funds of the Union.

The election resulted in the choice of three Corresponding Fellows, nine Members (including one by transfer from the Corresponding Fellows), and 167 Associates. The officers of 1933 were all re-elected for the ensuing year.

The business was confined chiefly to completion of projects already under way, including appropriations for printing the 'Ten Year Index of the Auk, 1921-1930,' partly in type, the publication of the memorial volume, 'Fifty Years of Progress of American Ornithology, 1883-1933,' and a contribution toward the publication of the chapter on 'Aves' in the annual volume of the 'Zoölogical Record.' Chicago was selected as the place of meeting in 1934, and the President, J. H. Fleming, was appointed as the Delegate of the Union to the Eighth International Ornithological Congress in Oxford, England, next July.

The Brewster Medal for 1933 was awarded to Dr. Frank Michler Chapman for his 'Hand Book of the Birds of Eastern North America,' 1932.

Appreciation of the various courtesies extended to the Union during the meeting were expressed by the adoption of resolutions of thanks to the Local Committee of Arrangements, the President and Trustees of the American Museum of Natural History, the Zoölogical Society of New York, officers of the New York Aquarium, the Linnaean Society of New York, the National Association of Audubon Societies, the Long Island State Park Commission, the Department of Dramatic Production of Vassar College and to Mr. and Mrs. Carl Tucker.

Public Meetings:—The public meetings opened on Tuesday morning with an address of welcome by President F. Trubee Davison of the American Museum and a response on behalf of the Union by Dr. Alexander Wetmore, Assistant Secretary of the Smithsonian Institution. Following the roll call of Fellows and Members

and a report of the business meeting, a letter of greeting was read from the Deutsche Ornithologische Gesellschaft.

The program included 70 papers, only five of which were read by title. Many of the papers were short but in order to afford time for discussion double sessions were necessary both morning and afternoon on Wednesday and on Thursday morning. The outstanding papers were probably those containing the latest results of experimental investigation in reproduction. These included Dr. Oscar Riddle's 'Birds as Material for Elucidating the Process of Animal Reproduction,' Dr. T. H. Bissonette's 'Modification of the Sexual Cycles in Birds by Changes in Time, Period and Intensity of Light,' and Dr. L. C. Dunn's 'Heredity of Morphological Variations in Birds.' Dr. Ernst Mayr presented a review of 'Physiology of Sexual Dimorphism in Birds' and Dr. G. K. Noble discussed the question 'Why Study Bird Courtship?'

An interesting paper was presented by James Bond on the 'Status of Birds in the West Indies considered Extinct or near Extinction' in which he showed that some 22 species were in danger of extinction but maintained that man rather than the mongoose was the chief cause of rarity or extinction of birds in this area. The Game Bird session on Thursday morning was one of the most popular and brought forth considerable discussion. Beginning with the account of the Red Quail of Tennessee by Dr. Friedmann, several papers followed on the condition of Grouse in New York and a report on the status of water-fowl in eastern Canada by Dr. H. F. Lewis who stated that while Canada Geese had decreased to only a fraction of their former abundance, Snow Geese and Blue Geese, on account of a favorable breeding season, were probably near the maximum of their abundance. The present condition of water-fowl in the United States was outlined by Dr. Oberholser and the eel grass shortage discussed by Clarence Cottam.

Other contributions of special interest were Mrs. Etta S. Wilson's 'Personal Recollections of the Passenger Pigeon' in Michigan, and Pettingill's account of the 'Cobb Island Virginia Bird Reservation Disaster of 1933.' Chapman's 'Season's Guests' at Miami, Florida, Moore's 'Mount Sangay Labyrinth of Ecuador and its Fauna' and Rogers' 'Himalayan Walking Trip' gave interesting accounts of birds in diverse regions in America and the Old World.

Motion pictures were fewer than usual but outstanding examples were shown in Oastler's Trumpeter Swan pictures, Bailey's 'Gannet Ledges of Bonaventure' and 'Along Audubon's Labrador Trail.' The last word in direct color photography was presented in a beautiful series of pictures by A. C. Shelton under the title 'AGFA Color Plates—Direct Color Photography for the Naturalist.' The final paper, presented by A. R. Brand on 'Sound Hunting with a Sound Truck,' showed the remarkable progress which he has made during the last three years in recording bird notes. While much remains to be accomplished in blotting out discordant sounds, with proper apparatus and a suitable hall, some of the notes can now be produced with wonderful distinctness and accuracy.

Exhibits:—The exhibition of 'Birds in Art' was the most extensive, complete and best arranged of any exhibit thus far attempted by the Union. The paintings, photographs, pieces of sculpture and other art objects were carefully selected and installed in Education Hall under the personal supervision of a committee consisting of Courtenay Brandreth and F. L. Jaques. The miscellaneous art objects included a group of prehistoric American pottery, textiles and stone objects, carved Chinese and Japanese birds, ceramic ducks and a group of painted wood carvings. An artistically printed catalogue comprising 283 items and a list of 37 photographs enabled ready identification of the pictures and other objects.

The exhibit included selections from the works of nearly all living American bird artists as well as of Audubon, Fuertes and Joseph Wolf. The most extensive series, 34 paintings by Fuertes, was arranged in four groups, representing the 'Boyhood Period, 1882-1891,' the 'Coues-Thayer Period, 1895-1900,' 'Later Works' and 'Field Sketches.' Six original drawings made by Audubon for his 'Birds of America,' including the celebrated male Wild Turkey, were loaned by the New York Historical Society, and three works by the eminent Swedish painter of nature Bruno Liljefors showing Eider Ducks, Geese and Eagles were generously loaned for this occasion. As explained by the committee, bird pictures have either of two primary objectives—one relates to the type of portraiture designed to aid in identification, "the other seeks the plane of sensuous and emotional appeal and has, in fact, no other obliga-

tion. . . Whether the two aspects can attain their best expression in the same portrayal of a bird is a question much debated. The present exhibition shows, at any rate, that the same artist may be capable of developing both these graphic modes extremely well."

The committee also called attention to the fact that the Frick Art Reference Library at 6 East Seventy-first Street has its collections of reproductions of American, British, Dutch, Flemish, French, German, Spanish and Swedish paintings completely indexed by species of birds.

Social Features:—The social features included a dinner to the Fellows at the Century Club on Monday evening, a smoker at the New York Aquarium on Tuesday evening, the annual dinner on Wednesday evening, and a reception by Mr. and Mrs. Carl Tucker on Thursday afternoon. On Tuesday evening Dr. Charles H. Townsend, the only Associate elected in 1883 present at this meeting, now a Member and Director of the New York Aquarium, celebrated his fifty years of membership in the Union by tendering a reception to the members and greeting them in person. The Aquarium, beautifully lighted, afforded the 300 or more members and guests an opportunity of seeing the extensive collection of native and exotic fishes under unusually favorable circumstances.

Luncheon was served each day in the Flying Bird Hall and on Wednesday, before the opening of the afternoon session, an hour was devoted to inspecting the new Whitney Wing of the Museum which will be occupied by the Department of Birds.

The annual dinner on Wednesday attended by 278 members and guests was held in the Ball Room of the Hotel New Yorker. After the dinner the audience was entertained by a "Professor of Ornithology and his assistant" who passed among the guests identifying certain "specimens" and reading appropriate descriptions of their peculiarities. Then followed a "Fledgling Play," in three acts, entitled "Follow the Swallow," by Alison Barstow Murphy and presented under the direction of the Department of Dramatic Production of Vassar College.

After the close of the formal sessions on Thursday afternoon the members were received by Mr. and Mrs. Carl Tucker at their Park Avenue home and enjoyed the opportunity of meeting socially

at a gathering which will long be remembered as one of the delightful features of the meeting.

Excursions.—An elaborate series of excursions was provided including two on Friday to Hempstead Lake State Park and Jones Beach Sanctuary, Long Island, and to the Zoölogical Park; and three on Saturday—to the Roosevelt Sanctuary at Oyster Bay, Long Island, to Barnegat Bay, N. J., and to Montauk Point, Long Island. Unusually chilly weather on Friday reduced the attendance somewhat but 65 or more members attended the outing to the Jones Beach Sanctuary and reported 82 species of birds. More than 40 members accepted the hospitality of the New York Zoölogical Park at luncheon and were escorted around the Park by Director Blair and his assistants. On Saturday some thirteen members made the trip to Barnegat Bay and reported 94 species of birds. Ten others made the trip to Montauk Point, and were rewarded by the opportunity of seeing many interesting species. The total number of species reported from Jones Beach, Barnegat Bay and Montauk was 117. The trip to the Roosevelt Sanctuary was unfortunately marred by inclement weather and delays en route so that the time at the Sanctuary was very brief. Nearly half of the members in attendance at the meeting remained to take part in one or more of the excursions.

THE PROGRAM.

Papers are arranged in the order in which they were presented at the meeting. Those marked with an asterisk (*) were illustrated by lantern slides; those marked with a dagger (†) were illustrated by motion pictures.

TUESDAY MORNING.

Welcome by President F. Trubee Davison of The American Museum of Natural History.

Response on behalf of the Union by Dr. Alexander Wetmore, Assistant Secretary, Smithsonian Institution.

Roll Call of Fellows and Members, Report of the Business Meeting, Announcement of the Result of Elections.

Report of the Local Committee on Arrangements.

1. Fuertes' Work in 'The Auk.' BAYARD H. CHRISTY, Sewickley, Pa. (20 min.)
2. Losing the Bird Songs. W. E. SAUNDERS, London, Ont. (15 min.)
3. The First Recorded Lists of Birds in the United States. HAROLD C. BRYANT, Office of National Parks, Washington, D. C. (10 min.)

4. Early Summer in the Dismal Swamp of Virginia. J. J. MURRAY, Lexington, Va. (15 min.)
5. A One Day Visit to Kirtland's Warbler. GRANT M. COOK, Youngstown, O. (15 min.)
6. The Washington Monument again a Bird Menace. Miss PHOEBE M. KNAPPEN, Biological Survey, Washington, D. C. (10 min.)
7. The Breeding Bird Population of a Northern Ohio Swamp. JOHN W. ALDRICH, Cleveland Museum of Natural History, Cleveland, O. (15 min.)
8. Further Observations on the Mating Cycle of the Ruffed Grouse and other Birds. ARTHUR A. ALLEN, Cornell University, Ithaca, N. Y. (15 min.)

TUESDAY AFTERNOON.

9. Why Study Bird Courtship? G. KINGSLEY NOBLE, American Museum of Natural History, New York. (10 min.)
10. The Ecology of the Breeding Birds of the Maple-Beech Forest. ARETAS A. SAUNDERS, Fairfield, Conn., Temporary Ornithologist, New York State Museum. (20 min.)
11. *Temperature as an Isolating Factor in the Evolution of the African Savanna Avifauna. W. WEDGWOOD BOWEN, Washington, D. C. (30 min.)
12. *†The Mt. Sangay Labyrinth of Ecuador and its Fauna. ROBERT T. MOORE, Pasadena, Calif. (30 min.)
13. *A Season's Guests. FRANK M. CHAPMAN, American Museum of Natural History, New York. (20 min.)
14. *A Himalayan Walking Trip. CHARLES H. ROGERS, Princeton Museum, Princeton, N. J. (30 min.)

WEDNESDAY MORNING—GENERAL SESSION.

15. The Altitudinal Distribution of Birds in the Virginia Mountains. J. J. MURRAY, Lexington, Va. (15 min.)
16. The Status of Birds in the West Indies considered Extinct or near Extinction. JAMES BOND, Academy of Natural Sciences, Philadelphia, Pa. (15 min.)
17. *The Avifauna of Michigan. JOSSELYN VAN TYNE, University of Michigan, Ann Arbor, Mich. (15 min.)
18. *Results from Banding 58,000 Birds. W. I. LYON, Waukegan, Ill. (25 min.)
19. Personal Recollections of the Passenger Pigeon. (Illustrated by a chart.) Mrs. ETTA S. WILSON, Detroit, Mich. (20 min.)
20. The Adult and Immature Plumages of the Yellow Rail. THOMAS S. ROBERTS, Director, Museum, of the University of Minnesota, Minneapolis, Minn. (10 min.)
21. Stray Sea Birds and Tropical Storm Tracks. ROBERT CUSHMAN

- MURPHY, American Museum of Natural History, New York. (20 min.)
22. *The Earliest (1805) Unpublished Drawings of the Flexibility of the Upper Mandible of the Woodcock. HENRY MOUSLEY, McGill University, Montreal, Canada. (15 min.)
 23. A Critical Study of the Distribution and Abundance in Migration of *Dendroica castanea* and *D. striata* in the Southeastern States. THOMAS D. BURLEIGH, Biological Survey, Asheville, N. C. (15 min.)
 24. Hawk and Owl Legislation. S. PRENTISS BALDWIN, Baldwin Bird Research Laboratory, Cleveland, O. (Read by title.)
 25. Bird Life of Mocha Island, Chile. D. S. BULLOCK, Angol, Chile. (Read by title.)
 26. *Cycles of Bird Migration. LEONARD W. WING, University of Michigan, Ann Arbor, Mich. (20 min.)

WEDNESDAY MORNING—TECHNICAL SESSION.

27. Physiology and Climate in Migration in Birds. S. CHARLES KENDEIGE, Baldwin Bird Research Laboratory, Cleveland, O. (20 min.)
28. An Enumeration of the Contour Feathers in Passeriform and Related Birds. ALEXANDER WETMORE, Assistant Secretary, Smithsonian Institution, Washington, D. C. (15 min.)
29. *A Ten Year Study of a Bird Population in Central Ohio. LAWRENCE E. HICKS, Ohio State University, Columbus, O. (Read by title.)
30. *Birds of the Big Bend Country, Texas. GEORGE M. SUTTON, Cornell University, Ithaca, N. Y. (15 min.)
31. Notes on *Rhopornis*. Mrs. ELSIE M. B. NAUMBURG, American Museum of Natural History, New York. (10 min.)
32. Further Remarks on *Quiscalus aeneus* × *Quiscalus quiscula*. FRANK M. CHAPMAN, American Museum of Natural History, New York. (15 min.)
33. *Preliminary Experiments on the Effects of Humidity on Pigmentation in the White-throated Sparrow. HERBERT FRIEDMANN, U. S. National Museum, Washington, D. C. (15 min.)
34. The Physiology of Sexual Dimorphism in Birds (A Review). ERNST MAYR, American Museum of Natural History, New York. (25 min.)
35. *Modification of the Sexual Cycles in Birds by Changes in Type, Period and Intensity of Light. T. H. BISSONETTE, Trinity College, Hartford, Conn. (20 min.)

WEDNESDAY AFTERNOON—GENERAL SESSION.

36. *The Cobb Island, Virginia, Bird Reservation Disaster of 1933. OLIN S. PETTINGILL, JR., Bowdoin College, Brunswick, Maine. (15 min.)
37. *A G F A Color Plates—Direct Color Photography for the Naturalist. A. C. SHELTON, Boston, Mass., Manager N. E. Branch A G F A Ansco Corporation. (25 min.)

38. *†Gannet Ledges of Bonaventure. ALFRED M. BAILEY, Director, Chicago Academy of Sciences, Chicago, Ill. (15 min.)
39. *Hereditry of Morphological Variations in Birds. L. C. DUNN, Columbia University, New York City. (15 min.)
40. *The Nictitating Membrane in the Water Ouzel. ALEXANDER WETMORE, Assistant Secretary, Smithsonian Institution, Washington, D. C. (15 min.)

WEDNESDAY AFTERNOON—TECHNICAL SESSION.

41. Birds as Material for Elucidating the Processes of Animal Reproduction. OSCAR RIDDLE, Station for Experimental Evolution, Cold Spring Harbor, N. Y. (20 min.)
42. *The Relative Degree of Ossification of the Main Skeletal Elements in Nestling and Adult Barn Owls. FREDERICK M. BAUMGARTNER, Cornell University, Ithaca, N. Y. (10 min.)
43. *Rivers as Distributional Barriers in the Amazon Valley. JOHN T. ZIMMER, American Museum of Natural History, New York. (20 min.)

THURSDAY MORNING—GENERAL SESSION (GAME BIRD SESSION).

44. *The Red Quail of Tennessee. HERBERT FRIEDMANN, U. S. National Museum, Washington, D. C. (10 min.)
45. *Recent Developments in Waterfowl Conservation in Eastern Canada. HARRISON F. LEWIS, National Parks of Canada, Ottawa. (20 min.)
46. The New York State Grouse Survey—Its History, Program and Practical Results. (Illustrated by charts). GARDINER BUMP, Superintendent, Bureau of Game, Conservation Department, Albany, N. Y. (20 min.)
47. The Effect on Grouse of Man as a Hunter and Controller of Predators. (Illustrated by charts.) F. C. EDMINSTER, Conservation Department, Albany, N. Y. (10 min.)
48. A Study of the Fate of 891 Grouse Nests. (Illustrated by charts.) R. W. DARROW, Conservation Department, Albany, N. Y. (10 min.)
49. The Eel-grass Shortage in Relation to Wildfowl. CLARENCE COTTAM, Biological Survey, Washington, D. C. (10 min.)
50. The Present Status of Our Waterfowl. HARRY C. OBERHOLSER, Biological Survey, Washington, D. C. (15 min.)
51. The Mortality and Dispersal of Ducks in an Area of Intensive Shooting. WILLIAM VOGT, Jones Beach State Bird Sanctuary, Wantagh, Long Island. (10 min.)
52. Restocking Water-fowl Marshes with Hand-reared Ducks. FREDERICK C. LINCOLN, Biological Survey, Washington, D. C. (10 min.)
53. *A Summary of Three Years' Observations of the Life History of the American Woodcock. OLIN S. PETTINGILL, JR., Bowdoin College, Brunswick, Maine. (25 min.)

THURSDAY MORNING—LIFE HISTORY SESSION

54. Remarks on the Birds of the Western Panhandle of Oklahoma. GEORGE M. SUTTON, Cornell University, Ithaca, N. Y. (15 min.)
55. Problems in the Study of Song Sparrow Eggs. Mrs. MARGARET M. NICE, Columbus, O. (15 min.)
56. *Preliminary Studies in the Migration of the Eastern Crow. JOHN T. EMLEN, JR., Cornell University, Ithaca, N. Y. (10 min.)
57. *Climate and Magpies. JEAN M. LINSDALE, Museum of Vertebrate Zoology, Berkeley, Calif. (25 min.)
58. *A Preliminary Report on a Study of the Belted Kingfisher. VICTOR E. GOULD, Cornell University, Ithaca, N. Y. (10 min.)
59. *A Study of the Home Life of the Short-billed Marsh Wren (*Cistothorus stellaris*). HENRY MOUSLEY, McGill University, Montreal, Canada. (25 min.)
60. Some Unpublished Letters of J. J. Audubon. WITMER STONE, Academy of Natural Sciences, Philadelphia, Pa. (15 min.)
61. *The Tree Sparrow in Winter and Summer. Miss A. MARGUERITE HEYDWEILLER, Cornell University, Ithaca, N. Y. (25 min.)
62. The Effects of Partial and Complete Gonadectomy on the Social Activity of Male Pigeons. RAY CARPENTER, Yale University, New Haven, Conn. (20 min.)
63. Distributional and Seasonal Movements of the House Sparrow. (Illustrated by blackboard.) JOHN T. NICHOLS, American Museum of Natural History, New York. (15 min.)
64. *Observations on the Nesting and Care of the Young of the Killdeer. Miss EMMA DAVIS, Cornell University, Ithaca, N. Y. (Presented by Arthur A. Allen.) (20 min.)
65. Swainson's Hawk in Washington State. J. HOOPER BOWLES and F. R. DECKER, Tacoma, Wash. (Read by title.)
66. The American Egret on the George Washington Memorial Highway, D. C. ELMER NATHAN GRINNELL, Washington, D. C. (Read by title.)

THURSDAY AFTERNOON

67. *Behavior of an African Broadbill (*Smithornis rufolateralis*). JAMES P. CHAPIN, American Museum of Natural History, New York. (20 min.)
68. †Trumpeter Swans. FRANK R. OASTLER, National Association of Audubon Societies, New York. (15 min.)
69. *†Along Audubon's Labrador Trail. ALFRED M. BAILEY, Director, Chicago Academy of Sciences, Chicago, Ill. (45 min.)
70. *†Song Hunting with a Sound Truck. ARTHUR A. ALLEN, ALBERT R. BRAND and P. P. KELLOGG, Cornell University, Ithaca, N. Y. (25 min.)

ATTENDANCE.

In contrast with the list of 21 members present in 1883 the attendance at the Semi-centennial meeting showed a total of 266, composed of 27 Fellows, 1 Retired Fellow, 1 Corresponding Fellow, 42 Members and about 195 Associates. Among those present were two of the Founders, Charles F. Batchelder and Dr. A. K. Fisher, and three members elected in 1883, two as Active Members, now Fellows, Dr. T. S. Roberts and W. E. Saunders and one as an Associate, Dr. Charles H. Townsend. The Pacific Coast was represented by 4 members from California and 1 from British Columbia, the Provinces of Ontario and Quebec by 16, and the Central States west of the Mississippi by 1 from Iowa, and 2 from Minnesota.

Some 21 colleges and universities, 22 museums and a number of conservation organizations were also represented by one or more of their members.

As a record of the meeting, a group photograph of members was taken on the steps of the Museum.

FELLOWS, MEMBERS AND ASSOCIATES PRESENT (BY STATES).

- ALABAMA, 2—*Member*, E. G. Holt, Montgomery; *Associate*, Mrs. M. L. Holt, Montgomery.
- CALIFORNIA, 4—*Retired Fellow*, W. K. Fisher, Pacific Grove; *Members*, J. M. Linsdale, Berkeley; R. T. Moore, A. J. Van Rossem, Pasadena.
- CONNECTICUT, 8—*Member*, A. A. Saunders, Fairfield; *Associates*, Miss Anna P. Bradley, Mrs. E. A. Hayes, Mrs. F. D. Hubbard, New Haven; Miss Margaret Brooks, Old Greenwich; J. P. Holman, Mrs. Charles A. Nichols, Fairfield; Miss Helen C. Hunt, Washington.
- DISTRICT OF COLUMBIA, 22—*Fellows*, A. K. Fisher, Herbert Friedmann, A. H. Howell, H. C. Oberholser, T. S. Palmer, Alexander Wetmore, Washington; *Members*, W. W. Bowen, H. C. Bryant, Miss M. T. Cooke, Clarence Cottam, F. C. Lincoln, E. A. Preble, Washington; *Associates*, C. H. M. Barrett, Mrs. J. S. Elliott, C. W. H. Ellis, Miss Sadia Haskell, I. N. Hoffman, R. B. Horsfall, Miss Phoebe Knappen, Miss Ethel I. Mason, Mrs. T. S. Palmer, R. A. Saxton, Washington.
- FLORIDA, 3—*Member*, R. W. Williams, Tallahassee; *Associates*, Joseph C. Howell, J. Adgar Smyth, Orlando.
- ILLINOIS, 5—*Fellow*, W. H. Osgood, Chicago; *Members*, A. M. Bailey, La Grange; Rudyerd Boulton, H. B. Conover, Chicago; W. I. Lyon, Waukegan.
- IOWA, 1—*Associate*, Charles J. Spiker, New Hampton.
- MAINE, 3—*Fellow*, A. O. Gross, Brunswick; *Associates*, Miss Bertha L. Brown, Bangor; O. S. Pettingill, Jr., Brunswick.

- MARYLAND, 2—*Associates*, Irving E. Hampe, Baltimore; W. C. Henderson, Chevy Chase.
- MASSACHUSETTS, 23—*Fellows*, A. C. Bent, Taunton; Ludlow Griscom, J. L. Peters, Cambridge; C. W. Townsend, Ipswich; *Members*, F. H. Allen, Boston; F. H. Kennard, Newton Centre; J. B. May, Cohasset; *Associates*, A. C. Bagg, Holyoke; Miss Alice M. Bowen, Springfield; L. B. Chapman, Newton Highlands; Mrs. S. H. Dudley, Berlin; Mrs. Owen Durfee, Fall River; Mrs. R. B. Harding, Brookline; Miss J. E. Kloseman, H. E. Maynard, Boston; Miss Heloise Meyer, Lenox; Winthrop Packard, Canton; Harry C. Parker, Worcester; Miss F. M. Pease, Conway; R. T. Peterson, Brookline; C. L. Phillips, Taunton; W. B. Savary, Wareham; Miss Fannie A. Stebbins, Springfield.
- MICHIGAN, 10—*Member*, Josselyn Van Tyne, Ann Arbor; *Associates*, G. A. Ammann, W. P. Brodkorb, D. W. Douglass, Ann Arbor; Mrs. A. C. Flood, Bloomfield Hills; Thomas D. Hinshaw, Ann Arbor; W. H. McCracken, Detroit; N. T. Peterson, Battle Creek; Mrs. E. S. Wilson, Detroit; Leonard W. Wing, Ann Arbor.
- MINNESOTA, 2—*Fellow*, T. S. Roberts, Minneapolis; *Associate*, Mrs. F. W. Commons, Minneapolis.
- NEW HAMPSHIRE, 1—*Fellow*, C. F. Batchelder, Peterborough.
- NEW JERSEY, 24—*Members*, C. H. Rogers, Princeton; J. Fletcher Street, Beverly; C. A. Urner, Elizabeth; *Associates*, D. G. Baird, Beverly; Mr. and Mrs. B. S. Bowdish, Desmarest; Mrs. Charles L. Bull, Oradell; Alexander Cairns, Newark; Mrs. F. G. Dunham, Ridgewood; J. L. Edwards, Mrs. G. G. Fry, Charles B. Isham, Montclair; J. M. Johnson, Ridgewood; E. S. Marks, Arlington; Norman McClintock, New Brunswick; Mr. and Mrs. C. K. Nichols, Ridgewood; J. K. Potter, Collingswood; C. B. Riker, South Orange; F. C. Scott, Plainfield; L. L. Walsh, Ridgewood; Paul Wanamaker, Oradell; J. A. Weber, Leonia; F. C. Young, Palmyra.
- NEW YORK, 89. NEW YORK CITY—*Fellows*, J. P. Chapin, F. M. Chapman, R. C. Murphy, J. T. Zimmer; *Corresponding Fellow*, Ernst Mayr; *Members*, O. L. Austin, Jr., Mrs. E. M. B. Naumburg, J. T. Nichols, T. Gilbert Pearson. *Associates*, R. P. Allen, H. E. Anthony, John H. Baker, W. H. Carr, T. D. Carter, Mrs. F. M. Chapman, Mrs. J. R. Delafield, L. P. Evans, G. Clyde Fisher, W. W. Granger, Miss Margery Greene, A. H. Hadley, E. R. P. Janvrin, F. L. Jaques, J. F. Kuerzi, A. V. S. Lambert, C. W. Leister, F. P. Mathews, R. S. Matthews, E. O. Mellinger, John A. Moore, Mrs. R. C. Murphy, W. W. Naumburg, Miss Theodora Nelson, L. N. Nichols, Nils M. Nilsen, Frank R. Oastler, C. E. O'Brien, M. C. Rich, J. T. Schonnegel, Miss Elizabeth Shull, Mr. and Mrs. Carl Tucker, Miss M. E. Valentine, W. G. Van Name, William H. Wiegmann, R. S. Williams.
- BROOKLYN—*Associates*, Charles A. Boehrer, B. P. Brennan, Miss F. C.

Bristol, A. F. Cruickshank, James Cunneen, A. H. Helme, George E. Hix, Meyer Meadow.

ITHACA—*Fellow*, A. A. Allen; *Member*, George M. Sutton; *Associates*, F. M. Baumgartner, Miss Theodora M. Cope, J. T. Emlen, Jr., Victor E. Gould, Miss A. M. Heydweiller, Paul Kellogg, R. H. Lefevre, W. D. Sargent, Phillips B. Street.

STATE-AT-LARGE—*Member*, E. H. Eaton, Geneva; *Associates*, W. C. Adams, Albany; A. D. Amadon, Franklinville; Mrs. M. V. Beals, Elmhurst; A. R. Brand, White Plains; Courtenay Brandreth, Ossining; Verdi Burtch, Branchport; W. B. Cook, White Plains; F. C. Edminster, Newfield; Miss Jennie E. Fox, Palisades; Allen Frost, Raymond G. Guernsey, Poughkeepsie; David E. Harrower, Woodmere; R. A. Johnson, Oneonta; Edmund Platt, Garden City; James Savage, Buffalo; Albert K. Smiley, Jr., Daniel Smiley, Jr., Mohawk Lake; Mrs. H. W. Smith, Islip, Dayton Stoner, Albany; Eugene Swope, Oyster Bay; Charles Vetter, Nyack; Alvin G. Whitney, Albany; Le Roy Wilcox, Speank.

NORTH CAROLINA, 1—*Member*, T. D. Burleigh, Asheville.

OHIO, 8—*Members*, S. C. Kendeigh, Cleveland; Mrs. M. M. Nice, Columbus; *Associates*, G. M. Cook, Youngstown; Miss L. A. Compton, Wooster; William C. Herman, Cincinnati; John W. Aldrich, Herbert Brandt, Cleveland; P. A. Stewart, Leetonia.

PENNSYLVANIA, 31—*Fellows*, Witmer Stone, Philadelphia; W. E. Clyde Todd, Pittsburgh; *Members*, James Bond, Philadelphia; B. H. Christy, Sewickley; R. M. de Schauensee, Devon; Francis Harper, Swarthmore; Wharton Huber, George H. Stuart 3d, Philadelphia; *Associates*, Mrs. Laura W. Abbott, Bristol; John Bartram, West Chester; Mrs. Francis H. Coffin, Scranton; Francis Cope, Jr., Dimock; A. C. Emlen, Philadelphia; Miss Elizabeth B. Forman, Haverford; A. S. Hyde, Richard H. Pough, Philadelphia; P. A. Livingston, Wayne; H. D. McCann, Paoli; William Pepper, Jr., Wyncote; Earle L. Poole, Reading; H. R. Roberts, Villa Nova; A. W. Robinson, Haverford; Conrad Roland, Philadelphia; J. B. Semple, Sewickley; W. J. Serrill, Haverford; Mrs. Witmer Stone, Philadelphia; Miss Ruth Trimble, Pittsburgh; H. T. Underdown, Elkins Park; Charles S. Weiser, York; E. S. Weyl, Philadelphia; Edward Woolman, Haverford.

RHODE ISLAND, 2—*Associates*, Mrs. M. K. Southwick, Bradford; Mrs. H. E. Walter, Providence.

SOUTH CAROLINA, 2—*Member*, Alexander Sprunt, Jr., Charleston; *Associate*, E. A. Simons, Charleston.

VERMONT, 1—*Associate*, W. P. Smith, Wells River.

VIRGINIA, 5—*Fellow*, W. L. McAtee, Cherrydale; *Associates*, M. G. Lewis, Salem; M. S. Curtler, Charlottesville; R. S. Freer, Lynchburg; J. J. Murray, Lexington.

BRITISH COLUMBIA, 1—*Fellow*, Allan Brooks, Okanagan Landing.

ONTARIO, 13—*Fellows*, J. H. Fleming, Toronto; Hoyes Lloyd, Ottawa; W. E. Saunders, London; P. A. Taverner, Ottawa; *Members*, R. M. Anderson, H. F. Lewis, Ottawa; *Associates*, Eli Davis, London; D. Kemp Edwards, Ottawa; F. H. Emery, C. E. Hope, Toronto; Mrs. Wilmot Lloyd, Ottawa; E. G. McDougall, Terence M. Shortt, Toronto.

QUEBEC, 3—*Member*, Henry Mousley, Montreal; *Associates*, J. A. Decarie, Mrs. Harold Hibbert, Montreal.

EDUCATIONAL INSTITUTIONS AND CONSERVATION ORGANIZATIONS
REPRESENTED AT THE MEETING

COLLEGES AND UNIVERSITIES, 21—Bowdoin, Brown, California Institute of Technology, Columbia, Cornell, Harvard, Haverford, Hobart, McGill, Ohio State, Princeton, Stanford, Trinity, Yale, University of California, University of Michigan, University of Minnesota, University of Pennsylvania, University of Virginia, University of Toronto, and Western Reserve.

MUSEUMS, 22—Academy of Natural Sciences of Philadelphia, American Museum of Natural History, Brooklyn Museum, California Institute of Technology, Canadian National Museum, Carnegie Museum of Pittsburgh, Charleston Museum, Chicago Academy of Sciences, Cleveland Museum, Everhart Museum of Scranton, Pa., Field Museum, Museum of Comparative Zoölogy, Museum of Vertebrate Zoology, the museums of Cornell, University of Michigan, University of Minnesota and Princeton University, New York State Museum, Public Museum of Reading, Pa., Royal Ontario Museum, U. S. National Museum, and the Worcester Museum of Natural History.

CONSERVATION ORGANIZATIONS—Biological Survey, U. S. Department of Agriculture, Office National Parks, U. S. Department of Interior, Canadian National Parks, Conservation Department of New York, Office of State Ornithologist of Vermont, National Association of Audubon Societies, Audubon Societies of Connecticut, District of Columbia, Massachusetts and New Jersey, the Jones Beach Bird Sanctuary, the Kimball Bird Sanctuary, R. I., the Roosevelt Bird Sanctuary, Oyster Bay, N. Y., and the Scranton Bird Club, Pa.

ELECTION OF OFFICERS.

The election of officers for 1934 resulted as follows: President, J. H. Fleming; Vice-Presidents, A. C. Bent and Herbert Friedmann; Secretary, T. S. Palmer; Treasurer, W. L. McAtee. Members of the Council (in addition to officers and ex-presidents) A. A. Allen, J. P. Chapin, Ruthven Deane, H. C. Oberholser, T. S. Roberts, and P. A. Taverner.

The Council elected Witmer Stone, Editor of 'The Auk'; W. L. McAtee, Business Manager; George Stuart, 3d, C. B. Riker and Edward Norris, Trustees; and A. C. Bent, Ruthven Deane, J. H. Fleming, W. L. McAtee, and T. S. Palmer, members of the Finance Committee.

ELECTION OF FELLOWS, CORRESPONDING FELLOWS, MEMBERS AND
ASSOCIATES.

FELLOW—1.

John Todd Zimmer, New York, N. Y.

CORRESPONDING FELLOWS—3.

J. M. Derscheid, Brussels, Belgium.

Franz Groebbels, Hamburg Eggendorf, Germany.

Pontus Palmgren, Helsingfors, Finland.

MEMBERS—9.

Melbourne Armstrong Carriker, Jr., Beachwood, N. J.

Stuart Taylor Danforth, Mayaguez, P. R.

Rodolphe Meyer de Schauensee, Devon, Pa.

James Cowan Greenway, Jr., Cambridge, Mass.

Jean Myron Linsdale, Berkeley, Calif.

Alden Holmes Miller, Berkeley, Calif.

Joseph Dewey Soper, Dept. Interior, Ottawa, Can.

Charles Anderson Urner, Elizabeth, N. J.

Francis Marion Weston, Pensacola, Fla.

ASSOCIATES—167.

The names of Associates who have qualified will appear in 'The Auk' for April, 1934.