

THE SIXTY-SEVENTH STATED MEETING OF THE AMERICAN ORNITHOLOGISTS' UNION

BY OLIN SEWALL PETTINGILL, JR., SECRETARY

THE first meeting of the Union in Buffalo, New York, was held October 10 to 14, 1949, at the invitation of the Buffalo Ornithological Society and the Buffalo Society of Natural Sciences. Headquarters were in the Hotel Statler. Business sessions and the Annual Dinner were held in the hotel; public sessions, exhibits, and a reception were in the Buffalo Museum of Science.

BUSINESS SESSIONS

Business sessions were as follows: (1) First Session of the Council, Monday, October 10, 10:15 a. m. to 12:15 p. m. Number in attendance, 15. (2) Second Session of the Council, Monday, 1:40 to 4:15 p. m. Number in attendance, 15. (3) Meeting of the Fellows, Monday, 4:15 to 5:45 p. m. Number in attendance, 26. (4) Meeting of the Fellows and Members, Monday, 8:15 p. m. to Tuesday, October 11, 1:10 a. m. Number of Fellows present, 26; number of Members present, 34. (5) Third Session of the Council, Wednesday, October 12, 8:05 to 10:15 a. m. Number in attendance, 15.

Reports of Officers. The Secretary reported that the total membership of the Union was 2,328 as of October 9, 1949. Membership by classes was as follows: Fellows, 55; Fellows Emeriti, 1; Honorary Fellows, 13; Corresponding Fellows, 61; Members, 145; Associates, 2,053. Since the last meeting, 718 persons had been proposed for Associate membership, their election bringing the total membership to 3,031. The Secretary had received notices of the deaths of the following members:

- Adriaan Joseph van Rossem, Fellow, September 3, 1949, at Los Angeles, Calif.
- Gregory Macalister Mathews, Honorary Fellow, March 27, 1949, at Winchester, England.
- Sir Hugh Steuart Gladstone, Corresponding Fellow, April 5, 1949, at Thornhill, Scotland.
- William Coughlin Braislin, Member, December 3, 1948, at New Canaan, Conn.
- Charles Dean Bunker, Member, September 5, 1948, at Lawrence, Kansas.
- Thomas Tonkin McCabe, Member, January 28, 1948, at Berkeley, Calif.
- William Henry Mousley, Member, September 22, 1949, at Montreal, Quebec.
- Max Minor Peet, Member, March 25, 1949, at Ann Arbor, Mich.
- Gayle Benjamin Pickwell, Member, May 29, 1949, at San Jose, Calif.
- Thomas Calderwood Stephens, Member, November 24, 1948, at Sioux City, Iowa.
- John Kingsbury Burgess, Honorary Life Associate, December 10, 1941, at Dedham, Mass.

Edward Avery McIlhenny, Honorary Life Associate, August 8, 1949, at Avery Island, La.
 Arthur Lincoln Reagh, Honorary Life Associate, June 15, 1949, at West Roxbury, Mass.
 George Ware Barber, Associate, December 5, 1948, at New York, N. Y.
 Benjamin Franklin Bolt, Associate, January 1, 1949, at Kansas City, Mo.
 Edward Butler, Associate, July 13, 1948, at St. Francisville, La.
 John Darlington Carter, Associate, May 14, 1947, at Lansdowne, Pa.
 Robert Francis Cheney, Associate, June 3, 1949, at Framingham, Mass.
 Morton Everett Cummings, Associate, April 20, 1949, at Reading, Mass.
 Charles Pelham Curtis, Associate, April 26, 1948, at Ipswich, Mass.
 Harry Eldon Duer, Associate, March 20, 1947, at Cleveland, Ohio.
 Walter Elmer Ekblaw, Associate, June 5, 1949, at Grafton, Mass.
 George Washington Gray, Associate, November 17, 1948, at Poughkeepsie, N. Y.
 Herbert Maurice West Haven, Associate, February 26, 1949, at Portland, Maine.
 Victor Emmons Jones, Associate, August 24, 1949, at Salt Lake City, Utah.
 Eleanor Anthony King, Associate, July 5, 1949, at New York, N. Y.
 George Balch Lay, Associate, May 6, 1948, at Seoul, Korea.
 John Pearce, Associate, April 8, 1949, at Natick, Mass.
 Harold Trowbridge Pulsifer, Associate, April 8, 1948, at Sarasota, Fla.
 John Van Schaick, Jr., Associate, May 16, 1949, at Washington, D. C.
 Charles Taylor Vorhies, Associate, March 10, 1949, at Washington, D. C.
 Frederick Collin Walcott, Life Associate, April 27, 1949, at Stamford, Conn.

The Treasurer gave his report, which is published in this number of 'The Auk.'

Dr. Harvey I. Fisher, Editor of 'The Auk,' reported on several minor changes in editorial policy that have been adopted in the 1949 volume. He explained that, for various reasons, papers cannot always be published in the order accepted. Received by his office during the year were about 3,000 pages of manuscript, 1,500 of which were accepted. Printing costs have increased about 38 per cent since 1948, and are expected to go up an additional 10 per cent in 1950, making it necessary to print fewer pages.

Reports of Committees. The Treasurer read the report of the Committee on Endowment, which showed a total of \$849.00 collected for the General Endowment Fund.

The report of the Special Canadian Committee, given by Mr. Hoyes Lloyd, Chairman, showed total receipts since August 18, 1948, of \$906.41. Total assets in Canada as of September 15, 1949, were \$3,731.83.

Reporting for the Committee on Communications, the Secretary called attention to the fact that abstracts of papers presented in the public sessions have been mimeographed by the Committee and made available to persons attending the meeting. The Council approved of this procedure and urged that it be continued in future meetings.

The impressive addition to the membership of the Union was due in a large measure to Dr. Leonard Wing, Chairman of the Committee on the Nomination of Associates, who sent out about 5,000 letters of solicitation. The Committee received acceptances from 518 persons.

Dr. Alexander Wetmore, Chairman of the Committee on Classification and Nomenclature of North American Birds, reported that during the past year the revision of ranges for the last half of the Check-List has been under way. Mr. E. M. Reilly has continued in the employment of the Committee to assemble records from the files of the Fish and Wildlife Service for use in preparing range material. The Committee has considered 119 cases covering proposed changes in name, changes in status, new forms, and revivals of old forms. Thirty-five proposals received favorable action and were published in 'The Auk' for July, 1949.

The Committee on Research, as reported by Dr. Albert Wolfson, Chairman, is steadily building up a useful index of unpublished doctoral theses, a total of 65 being so far recorded. Chapters for a book on recent research in ornithology have already been assigned.

According to Dr. Frank A. Pitelka, Chairman of the Committee on Education, his Committee distributed applications for student memberships to 73 persons or organizations; 24 applications were received and 10 memberships were awarded, in early May. (See 'The Auk' of July, 1949, for a list of recipients.)

Next Stated Meeting. Fellows and Members, meeting jointly, accepted the invitation of the Minnesota Ornithologists' Union and the University of Minnesota to hold the Sixty-eighth Stated Meeting in Minneapolis, October 9 to 13, 1950.

Amendments of the By-Laws. Two amendments of the By-Laws were given final approval. The first removes the limit on the number of Members to be elected in any one year. Formerly no more than 15 Members could be elected, even if there were 16 or more vacancies. The second makes official a newly edited version of the By-Laws.

Four new amendments were proposed and referred to the Union for final decision in 1950. The first would delete "United States, Canada, or Newfoundland" from both Sections 2 and 6 of Article I and substitute "United States or Canada" in both Sections. The second would remove the limit on the number of Fellows which may be elected in any one year. At present no more than five Fellows may be elected, even if there are six or more vacancies. The third would permit Associates to be appointed to committees of the Union. The fourth would raise by one dollar the dues of all classes of members and the subscription price of 'The Auk.'

Miscellaneous Matters. The Council ruled that henceforth at Annual Meetings a registration fee of \$2.00 may be charged.

There was no award of the Brewster Medal in 1949.

ELECTION OF OFFICERS

The officers elected for 1950 are as follows: *President*, Robert Cushman Murphy; *Vice-Presidents*, Josselyn Van Tyne and Alden H. Miller; *Secretary*, Olin Sewall Pettingill, Jr.; *Treasurer and Business Manager*, R. Allyn Moser. *Members of the Council* (in addition to officers and ex-presidents): Ludlow Griscom (term to expire in 1951), Ira N. Gabrielson, Ernst Mayr, and A. W. Schorger.

The Council elected Harvey I. Fisher, *Editor of 'The Auk'*; Julian K. Potter (Chairman), R. M. de Schauensee, and Frederick V. Hebard, *Investing Trustees*.

ELECTION OF FELLOWS, MEMBERS, AND ASSOCIATES

FELLOWS—5

Dean Amadon, New York City.
John Thompson Emlen, Jr., Madison, Wisconsin.
George Hines Lowery, Jr., Baton Rouge, Louisiana.
Joseph Dewey Soper, Edmonton, Alberta.
Reuben Myron Strong, Chicago, Illinois.

HONORARY FELLOWS—3

Robert Alexander Falla, Wellington, New Zealand.
Alessandro Ghigi, Bologna, Italy.
Reginald Ernest Moreau, Berrick, England.

CORRESPONDING FELLOWS—9

Charles Ernest William Bryant, Melbourne, Australia.
André David-Beaulieu, Saint-Émilion (Gironde), France.
Pierre Engelbach, Pnom-Penh, French Indo-China.
James David Macdonald, London, England.
Noël Mayaud, Saumur, France.
Finn Salomonsen, Copenhagen, Denmark.
D. L. Serventy, Perth, Australia.
Jack Vincent, Natal, South Africa.
Yoshimaro Yamashina, Tokyo, Japan.

MEMBERS—20

John Hopkinson Baker, New York City.
George Adelbert Bartholomew, Jr., Los Angeles, California.
Hervey Brackbill, Baltimore, Maryland.
Charles Lavelle Broley, Delta, Ontario.
Edward Burnham Chamberlain, Charleston, South Carolina.
William B. Davis, College Station, Texas.
Frank L. Farley, Camrose, Alberta.
William Earl Godfrey, Ottawa, Ontario.
Joseph Corwin Howell, Knoxville, Tennessee.
Mrs. Junea W. Kelly, Alameda, California.

Rupert James Longstreet, Daytona Beach, Florida.
Seth Haskell Low, Laurel, Maryland.
Thomas Henry Manning, Ottawa, Ontario.
Harold Dies Mitchell, Buffalo, New York.
George Athan Petrides, College Station, Texas.
Chandler Seymour Robbins, Laurel, Maryland.
Charles Gald Sibley, San Jose, California.
Robert Earl Stewart, Laurel, Maryland.
Charles Vaurie, New York City.
Laidlaw Onderdonk Williams, Carmel, California.

ASSOCIATES—718

ATTENDANCE

Registration at the meeting showed an attendance of 219, composed of 29 Fellows, 45 Members, and 145 Associates. Represented were 23 states, the District of Columbia, two provinces of Canada, Argentina, and Venezuela. Registration also showed an attendance of 147 guests, bringing the total registration to 366.

FELLOWS, MEMBERS, AND ASSOCIATES PRESENT

PATRONS:—Hoyes Lloyd, Mrs. Dayton Stoner.

FELLOWS:—John W. Aldrich, Arthur A. Allen, Dean Amadon, H. G. Deignan, Jean Delacour, Herbert Friedmann, Ira N. Gabrielson, Alfred O. Gross, Lawrence E. Hicks, S. Charles Kendeigh, Harrison F. Lewis, Frederick C. Lincoln, Hoyes Lloyd, Ernst Mayr, Alden H. Miller, Robert T. Moore, Robert Cushman Murphy, Harry C. Oberholser, James L. Peters, Roger T. Peterson, Olin Sewall Pettingill, Jr., Frank A. Pitelka, L. L. Snyder, Herbert L. Stoddard, George Miksch Sutton, W. E. Clyde Todd, Josselyn Van Tyne, Alexander Wetmore, John T. Zimmer.

MEMBERS:—Mrs. A. A. Allen, James L. Baillie, Jr., E. R. Blake, W. Wedgwood Bowen, Beecher S. Bowdish, Herbert W. Brandt, Maurice Brooks, Maurice Broun, C. H. D. Clarke, Allen J. Duvall, Harvey I. Fisher, W. Earl Godfrey, A. I. Good, Donald R. Griffin, Owen J. Gromme, H. W. Hann, J. C. Howell, R. A. Johnson, Peter Paul Kellogg, Mrs. Junea W. Kelly, Seth H. Low, C. Russell Mason, Harold D. Mitchell, Burt L. Monroe, R. Allyn Moser, Mrs. Elsie M. B. Naumburg, Charles K. Nichols, Ralph S. Palmer, W. H. Phelps, Jr., Richard H. Pough, Chandler S. Robbins, Aretas A. Saunders, James Savage, A. W. Schorger, T. M. Shortt, Alexander Sprunt, Jr., Robert W. Storer, Gustav A. Swanson, Wendell Taber, Milton B. Trautman, Arthur C. Twomey, Winsor M. Tyler, George J. Wallace, Leonard Wing, Albert Wolfson.

ASSOCIATES:

California, 2—Enid K. Austin, Oakland; Herbert O. Hill, Redlands.

Connecticut, 1—Mrs. Harold Hibbert, New Haven.

Florida, 1—J. C. Dickinson, Jr., University Station.

Illinois, 2—Mrs. Hermon D. Smith, Lake Forest; Melvin A. Traylor, Winnetka.

Maryland, 2—Ilse Kind Kuch, Pikesville; Mrs. Eleanor C. Robbins, Laurel.

Massachusetts, 3—Aaron M. Bagg, Holyoke; Kay T. Rogers, Cambridge; Alvah W. Sanborn, Lenox.

Michigan, 4—Mrs. Edith K. Frey, Jackson; Philip S. Humphrey, Ann Arbor; Paul B. Slud, Ann Arbor; Arthur E. Staebler, Hickory Corners.

Nebraska, 2—Mrs. Jane M. Moser, Omaha; William F. Rapp, Jr., Crete.

New Hampshire, 1—Douglas E. Wade, Hanover.

New Jersey, 2—Mrs. Herbert E. Carnes, Tenafly; Mrs. Sara B. Andrews, High Bridge.

New York, 78—W. H. Almendinger, Buffalo; Robert S. Arbib, Jr., Woodmere; Harold H. Axtell, Buffalo; Ellsworth Barnard, Alfred; Clark S. Beardslee, Kenmore; Philip M. B. Boocock, Buffalo; Mrs. Albert R. Brand, New York City; George Buckland, Batavia; Frances L. Burnett, Ithaca; Howard H. Cleaves, Staten Island; Roland C. Clement, Ithaca; Marjorie Crimmings, Yonkers; Robert W. Dickerman, Ithaca; Stephen W. Eaton, Olean; Eugene Eisenmann, New York City; Hazel R. Ellis, Keuka Park; Mary Louise Emerson, Buffalo; Karl F. Eschelman, Buffalo; Richard B. Fischer, Ithaca; Stephen C. Fordham, Jr., Delmar; E. Thomas Gilliard, New York City; Robert A. Greene, Geneseo; Lawrence I. Grinnell, Ithaca; Reginald W. Hartwell, Rochester; Oscar Hawksley, Ithaca; Axel Heilborn, Niagara Falls; M. Max Hensley, Ithaca; Robert C. Hermes, Buffalo; Oliver H. Hewitt, Ithaca; Mrs. Herbert A. Hickman, Buffalo; Bryon T. Hipple, Jr., Albany; J. Southgate Y. Hoyt, Etna; Mrs. Sally F. Hoyt, Etna; Allen E. Kemnitzer, Webster; Brina Kessel, Ithaca; Walter Klabunde, Niagara Falls; Ward Klepfer, Kenmore; Allan S. Klonick, Rochester; Sarah M. Knight, Buffalo; Rufus H. LeFevre, Buffalo; Philip R. Lenna, Jamestown; Mrs. Louise Miner Mansfield, Buffalo; Paul S. Martin, Ithaca; Neil S. Moon, Rochester; Mrs. Robert Cushman Murphy, New York City; Bernard Nathan, Buffalo; Walter W. Naumburg, New York City; Theodora Nelson, New York City; Oliver S. Owen, Ithaca; Kenneth C. Parkes, Ithaca; Kathryn M. Praemassing, Buffalo; Edgar M. Reilly, Jr., Ithaca; Mrs. Mildred Baker Rosa, Buffalo; Richard Rosche, Buffalo; Minnie B. Scotland, Cohoes; Edward L. Seeber, Buffalo; Albert R. Shadle, Buffalo; Mrs. Kathleen Green Skelton, New York City; Willard F. Stanley, Fredonia; Rudolph H. Stone, Schenectady; Robert Sundell, Frewsburg; Francis T. Tilley, Buffalo; Carl Tucker, Mt. Kisco; Mrs. Carl Tucker, Mt. Kisco; A. V. Tulinoff, Niagara Falls; Mrs. Alice S. Ulrich, Buffalo; Edward C. Ulrich, Buffalo; William C. Vaughan, Kenmore; Jason A. Walker, Waterloo; John F. Wanamaker, Ithaca; Gertrude G. Webster, Buffalo; Robert D. Weigel, Buffalo; Marie Wendling, Williamsville; LeRoy Wilcox, Speonk; Ellen J. Windsor, Buffalo; Cyril Wolfing, Alden; A. J. Wright, Buffalo; Mrs. Olive R. York, Elmira.

Ohio, 4—Robert E. Ball, Canton; Mrs. Grant Cook, Youngstown; Frank A. Hartman, Columbus; Harold Mayfield, Toledo.

Oklahoma, M. Dale Arvey, Norman.

Ontario, 25—Neil F. Bourne, Hamilton; Allan C. Brooks, Jr., Toronto; Alfred H. Bunker, Toronto; Bill Campbell, Hamilton; O. E. Devitt, Toronto; Bertram A. Fauvel, Ottawa; C. David Fowle, Toronto; W. W. H. Gunn, Toronto; C. E. Hope, Toronto; W. W. Hughes, Embro; W. E. Hurlburt, Vineland; Mrs. L. E. Jaquith, Toronto; Mrs. Louise DeKiriline Lawrence, Rutherglen; Mrs. Wilmot Lloyd, Ottawa; D. S. Miller, Toronto; Mrs. Osborne Mitchell, Streetsville; George W. North, Hamilton; William L. Putman, Vineland Station; R. W. Sheppard, Niagara Falls; Mrs. Doris Huestis Speirs, Pickering; J. Murray Speirs, Pickering; Mrs. James A. Selby, Ridgeville; Allen W. Stokes, Scudder; Eric Thorn, Toronto; G. B. White, Port Colborne.

Pennsylvania, 8—Robert W. Glenn, Pittsburgh; Horace Groskin, Ardmore; Roland W. Hawkins, Pittsburgh; Frederick V. Hebard, Philadelphia; Phillips B. Street, Philadelphia; John E. Trainer, Allentown; Harold B. Wood, Harrisburg; Merrill Wood, State College.

- Quebec*, 2—Mrs. W. J. Armstrong, Montreal; Jules A. Decarie, Montreal.
Tennessee, 1—Lee R. Herndon, Elizabethton.
Washington, D. C., 2—Charles H. M. Barrett, Malcolm Davis.
Wisconsin, 1—Clarence S. Jung, Milwaukee.
Argentina, 1—Juan G. Esteban, Tucuman.
Venezuela, 1—Mrs. W. H. Phelps, Jr., Caracas.

PUBLIC SESSIONS

Six public sessions were held in the Buffalo Museum of Science. Four sessions were devoted to the reading of papers. The session on Wednesday afternoon, as well as part of the session on Thursday morning, was devoted to symposia; the session on Thursday afternoon was occupied mainly by a showing of motion pictures. An outline of the program is presented below. Titles marked with one asterisk were illustrated by lantern slides; those with two asterisks, by motion pictures.

TUESDAY MORNING SESSION

Welcome by MR. GEORGE F. GOODYEAR, President of the Buffalo Society of Natural Sciences.

Welcome by MR. WILLIAM C. VAUGHAN, President of the Buffalo Ornithological Society.

Response on Behalf of The American Ornithologists' Union.

Roll Call of Fellows and Members, Report on the Business Meetings.

Announcement of the Result of Elections.

Announcement from the Local Committee on Arrangements.

*Moa Hunting in the Pyramid Valley Swamp, New Zealand. ROBERT CUSHMAN MURPHY, American Museum of Natural History, New York City.

*Evaluation of Nature Sanctuaries for Research. S. CHARLES KENDEIGH, University of Illinois, Champaign.

The Stimulus for Spring Migration in Equatorial and Transequatorial Migrants. ALBERT WOLFSON, Northwestern University, Evanston, Illinois.

*Some Problems in an Avifaunal Review of Guerrero. ROBERT W. STORER, University of Michigan Museum of Zoology, Ann Arbor.

*Recent Developments in the Conservation of Waterfowl in James Bay. OLIVER H. HEWITT, Cornell University, Ithaca, New York.

*The Relationship of Waxwings to Certain Other Birds. M. DALE ARVEY, University of Oklahoma, Norman.

*Duetting in the Coppersmith (*Megalaima haemacephala*). WILLIAM C. DILGER, Cornell University, Ithaca, New York.

TUESDAY AFTERNOON SESSION

SYMPOSIUM

Methods, Objectives and Results of Recent Avian Systematics

ALDEN H. MILLER, Chairman

HERBERT FRIEDMANN, ERNST MAYR, AND ROBERT CUSHMAN MURPHY

Leaders of Discussion

Principles and Practices in Collecting and Taxonomic Work. JOSSELYN VAN TYNE, University of Michigan Museum of Zoology, Ann Arbor.

- Variations in Birds in Relation to Climate and Vegetational Structure. FRANK A. PITELKA, University of California Museum of Vertebrate Zoology, Berkeley.
- Contributions of the New Systematics to the Modern Concept of the Species and to Macro-evolution. DEAN AMADON, American Museum of Natural History, New York City.
- The Bearing of Avian Systematics on Investigations of Evolutionary Process. ALDEN H. MILLER, University of California Museum of Vertebrate Zoology, Berkeley.

WEDNESDAY MORNING SESSION

- *A Season with the Ant-birds of Barro Colorado Island, Canal Zone. R. A. JOHNSON, State Teachers College, Oneonta, New York.
- *Daily Activity of Birds in the Yukon. LEONARD WING, Agricultural and Mechanical College of Texas, College Station.
- A Mockingbird Sings (with phonograph records). C. RUSSELL MASON, Massachusetts Audubon Society, Boston.
- Further Progress in Bird Sound Recording Here and in Europe (with phonograph records). PAUL KELLOGG, Cornell University, Ithaca, New York.
- Remarks Concerning the Descriptions of Bird Songs. ARETAS A. SAUNDERS, Fairfield, Connecticut.
- *Second Nestings of the Eastern Goldfinch. ALLEN W. STOKES, University of Wisconsin, Madison.
- *Some Observations on the Breeding of the Blackburnian Warbler in a Coniferous-Deciduous Forest. E. M. HAGMEIER, Ontario Department of Lands and Forests, Algonquin Park.
- *Twelve Years of Banding Piping Plovers on Long Island, New York. LEROY WILCOX, Speonk, Long Island, New York.
- *Some Observations from a Comparative Life History Study of the Downy and Hairy Woodpeckers. ARTHUR E. STAEBLER, W. K. Kellogg Bird Sanctuary, Hickory Corners, Michigan.
- Further Light on the Behavior of the 'Spurious' Arctic Terns. OSCAR HAWKSLEY, Cornell University, Ithaca, New York.
- *Royal Ontario Museum's Expedition to Cape Henrietta Maria, Ontario, 1948. C. E. HOPE, Royal Ontario Museum of Zoology, Toronto.

WEDNESDAY AFTERNOON SESSION

- Development of the White in Junco Tails. Growth Bars in Feathers. HAROLD B. WOOD, Harrisburg, Pennsylvania.
- *Partial Albinism in the Bronzed Grackle. W. W. H. GUNN, Ontario Department of Lands and Forests, Toronto.
- The Relation of Day Length and Gonadal Regression to Postnuptial Molt in the White-throated Sparrow and Other Fringillids. ALBERT WOLFSON, Northwestern University, Evanston, Illinois.
- *The Avian Adrenal. FRANK A. HARTMAN, Ohio State University, Columbus.
- *Meteorological Aspects of a May Wave in Massachusetts. AARON MOORE BAGG, Holyoke, Massachusetts.
- Memorial to Frank M. Chapman. ROBERT CUSHMAN MURPHY, American Museum of Natural History, New York City.
- The Paisley Memorials to Alexander Wilson. ELSA G. ALLEN, Cornell University, Ithaca, New York.
- Changing Types of A. O. U. Programs. GRACE E. BARSTOW MURPHY, New York City.

- *Canada's First Ornithologist. JAMES L. BAILLIE, JR., Royal Ontario Museum of Zoology, Toronto.
- *The Study of Ornithology in China. RUFUS H. LEFEVRE, New York Experiment Station, Geneva.

THURSDAY MORNING SESSION

- *Use of the Roadside Census to Secure Data from Which to Derive a Population Index. JOSEPH C. HOWELL, University of Tennessee, Knoxville.
- *Some Experiments with a Method for Determining Breeding Bird Populations of the Forest. W. W. H. GUNN, Ontario Department of Lands and Forests, Toronto.
- *Drumming as a Factor Influencing the Local Dispersal of Ruffed Grouse. J. F. S. BENDELL, Ontario Department of Lands and Forests, Algonquin Park.
- The Problem of Clutch-size in the Anatidae. FREDERICK V. HEBARD, Philadelphia, Pennsylvania.
- The Herring Gull-Cormorant Control Project. ALFRED O. GROSS, Bowdoin College, Brunswick, Maine.

SYMPOSIUM

Birds in the Air

DONALD R. GRIFFIN, Chairman

- *The Problems Posed by Natural Flight, with Special Attention to the Wing Beat Frequency, Velocity, Span, Weight, and Altitude Relations. JAMES L. FITZPATRICK, Staten Island, New York.
- *The Aerodynamic Constants of Soaring Birds. AUGUST RASPET, Mississippi State College, State College.
- Soaring Techniques of Mountain Birds. JOACHIN KUETTNER, Air Force Cambridge Research Laboratories, Cambridge, Massachusetts.
- *Airplane Observations of Birds—Techniques and Potentialities. DONALD R. GRIFFIN, Cornell University, Ithaca, New York.

THURSDAY AFTERNOON SESSION

- *Some Recent Studies of North American Waterfowl. ARTHUR A. ALLEN, Cornell University, Ithaca, New York.
- **Hawk Mountain Highlights. MAURICE BROWN, Hawk Mountain Sanctuary, Kempton, Pennsylvania.
- **Life History Studies of the Great Horned Owl. KAY T. ROGERS, Harvard University, Cambridge, Massachusetts.
- **The Peregrine Falcon and Its Eyrie. DOUGLAS E. WADE, Dartmouth College Museum, Hanover, New Hampshire.
- **The Canal Zone Biological Area. ALFRED O. GROSS, Bowdoin College, Brunswick, Maine.
- **The Sandstone Mountains of Southern Venezuela. WILLIAM H. PHELPS, JR., Caracas, Venezuela.

SPECIAL EXHIBITS

On special exhibit at the Buffalo Museum of Science were 22 recent paintings of Newfoundland birds by Roger Tory Peterson, 17 recent paintings of Mexican birds by George Miksch Sutton, eight paintings by Allan Brooks, and eight field sketches by T. M. Shortt. In addition, there were paintings by: William C. Dilger of Ithaca, New York;

Ray Emms of Eggertsville, New York; Hugh Land of Huntington, West Virginia; A. J. Wright II, of Buffalo. There were photographs by: Robert C. Hermes and Robert Weigel of Buffalo; Gordon White of Port Colborne, Ontario; and William Carrick, Alan Gordon, Dalton Muir, and Donald Smith, of Toronto, Ontario.

SOCIAL EVENTS

On Monday, a luncheon for the Council was given by the Local Committee at the Hotel Statler, and a dinner for the Fellows was given in the evening at the Buffalo Athletic Club.

Four hundred and fifty persons attended the informal reception held Tuesday evening at the Buffalo Museum of Science by the Buffalo Society of Natural Sciences and the Buffalo Ornithological Society in honor of The American Ornithologists' Union and guests. Prior to the reception, Dr. Robert Cushman Murphy showed his film, "A Naturalist in Changing New Zealand."

On Wednesday evening, 310 members and their guests attended the Annual Dinner in the Ballroom of the Hotel Statler. Entertainment included an imaginary broadcast of news reports concerning ornithologists and the showing of the motion picture, "The Tawny Pipit." A new, 40-page issue of 'The Auklet' made its appearance at the Annual Dinner.

About 175 people attended the informal entertainment given in the Fillmore Room of the Hotel Statler when James Savage showed a selection of his motion pictures covering former meetings of The American Ornithologists' Union, and Robert C. Hermes, a member of the Buffalo Ornithological Society, presented a splendid film of birds at Machias Seal Island in the mouth of the Bay of Fundy.

FIELD TRIPS

There were early morning field trips to nearby points before the sessions on Tuesday, Wednesday, and Thursday. On Friday, 107 members and guests participated in five field trips to various places in the Niagara Frontier area. All of the field parties met for a cafeteria lunch at Niagara Falls, Ontario, overlooking the falls. Later, a trip was made to observe water birds in the Niagara Gorge below the falls.

RESOLUTIONS

At the public session on Thursday afternoon, the Resolutions Committee consisting of Herbert Friedmann, Hoyes Lloyd, and Alden H. Miller gave the following report:

The Sixty-seventh Meeting of The American Ornithologists' Union in Buffalo in October, 1949, the first to be held in this city, has been an

especially felicitous and profitable gathering. This we know is due to a very efficient and hospitable Committee on Arrangements and to the sponsoring organizations. Every need of members and visitors has been thoughtfully anticipated and abundantly supplied, and an exceedingly pleasant sojourn has been enjoyed by all.

Therefore, it is whole-heartedly the resolve of the Union to express its warm appreciation to the Local Committee on Arrangements which has served so well under the able leadership of Mr. James Savage and Mr. William C. Vaughan and with the aid of Mrs. Philip Rosa, Mrs. Herbert A. Hickman, Miss Kathryn Praemassing, Mrs. James A. Selby, Mrs. Edward E. Ulrich, Miss Gertrude G. Webster, and Messrs. Harold H. Axtell, Clark S. Beardslee, Ward Klepfer, Harold D. Mitchell, Bernard Nathan, Edward L. Seeber, Albert R. Shadle, Edward C. Ulrich, and Albert J. Wright II.

It is further resolved that the sincere thanks of the Union be extended to the Buffalo Society of Natural Sciences and the Buffalo Ornithological Society, which have supported and planned this meeting and which have provided us with excellent meeting places and ornithological exhibits.

THE AMERICAN ORNITHOLOGISTS' UNION

TREASURER'S REPORT, FISCAL YEAR ENDING SEPTEMBER 15, 1949

Balance from 1948.....		\$684.16
INCOME TO ACTIVE FUND ACCOUNT		
Dues		
Fellows.....	\$180.00	
Members.....	445.05	
Associates.....	7,460.98	
		8,086.03
Subscriptions to <i>The Auk</i>		1,068.76
Sales of publications (back issues, abridged check-list, etc.).....		589.16
From authors for reprints.....		428.44
Contributions.....		550.00
Interest from		
General Endowment Fund.....	\$1,031.79	
Ruthven Deane Fund.....	279.33	
Educational Fund.....	27.64	
		1,338.76
Brewster Fund (1948 Award paid from Canadian Account).....		415.00
Advertising.....		45.00
		1,338.76
<i>Total</i>		\$13,205.31

SPECIAL FUNDS

Educational Endowment Fund	
Interest from invested fund	\$27.64
Transferred to active account. Ten student members—\$3.00 each, one less—.64 on gratis basis	\$27.64
Bird Protection Endowment Fund	
Interest from invested fund	\$57.35
Stationery for committee	16.44
Dues to International Union for the Protection of Nature	48.00
Loaned from active fund	7.09
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	\$64.44
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	\$64.44
Brewster Award Fund	
Interest from invested fund	\$434.93
1948 Medal	\$18.26
Postage64
Cash honorarium paid from our Canadian Fund; this amount placed in active fund account	415.00
Balance in checking account	1.03
Endowment Fund	
Collected during 1948 according to Treasurer's report at 1948 meeting and not invested:	
Life members, all classes	\$1,360.00
Donations	111.00
Collected from September 15, 1948, to September 15, 1949	
Life members, all classes	680.00
Donations	441.25
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	2,592.25
To Girard Trust Co. Account Investing Trustees	\$2,000.00
In checking account to be invested	592.25
Special Fund for Publication of Fifth Edition of the Check-list of North American Birds on deposit in United States National Bank, Omaha	\$500.00

DISBURSEMENTS

Manufacturing and Distribution of The Auk	
Vol. 65, No. 4, October, 1948	\$2,612.31
Honorarium to Past Editor	150.00
10,500 wrappers	83.00
Vol. 66, No. 1, January, 1949	2,055.05
Vol. 66, No. 2, April, 1949	2,115.80
Vol. 66, No. 3, July, 1949	1,365.29
Mailing back numbers, mailing issues to delinquent members, new plates, and changes in addressograph plates from June 1, 1948, to August 31, 1949	569.12
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\$8,950.57

Reprints (July, 1948, to July, 1949, incl.)	676.61
Membership Committee	297.56
Research Committee	24.50
Loaned to Bird Protection Account	7.09
To Endowment Fund Account, collected during 1948, not invested	
Life members, all classes	1,360.00
Donations	111.00
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	1,471.00
Programs, 1948 Meeting	70.60
Stenographic work, 1948 Meeting	20.75
International Committee for Bird Protection Dues 1948-1949	10.00
Zoological Society of London	25.00
Purchase of back numbers, <i>The Auk</i>	27.78
Mimeographed price list back issues, <i>The Auk</i>	5.20
Express on donated back numbers, <i>The Auk</i> ,	
Express on membership files etc.	40.76
1949 Brewster Medal (will be paid for from 1949 fund)	18.26
Stationery, all offices	128.98
Dues Notices	
1948 Delinquent	
1949 Three notices	263.25
Processing and distributing material concerning 1949 meeting	252.00
Bank charges, check book, and collections	4.44
Refunds over-payment	16.76
Telegrams and Telephone	17.52
Secretary's office expenses	
Postage, mimeographed material and secretarial aid	192.89
Editor's office expenses	
Supplies, postage, secretarial aid	363.53
Treasurer's office expenses	
Supplies, postage (mailing out material from Omaha), mimeographed material and secretarial aid	415.42
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<i>Total Expended</i>	\$13,300.47
Total active fund	\$13,205.31
Total expended	13,300.47
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Active fund account overdrawn	95.16
Status of checking account	
From Brewster Fund Account	1.03
From Endowment Fund Account	592.25
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	593.28
Overdrawn by active account	95.16
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<i>Amount in checking account</i>	\$498.12

R. ALLYN MOSER, *Treasurer and Business Manager.*

OFFICERS, COUNCIL, TRUSTEES, AND COMMITTEES OF
THE AMERICAN ORNITHOLOGISTS' UNION, 1950

	Expiration of Term
ROBERT CUSHMAN MURPHY, <i>President</i>	1950
JOSSELYN VAN TYNE, <i>First Vice-President</i>	1950
ALDEN H. MILLER, <i>Second Vice-President</i>	1950
OLIN SEWALL PETTINGILL, JR., <i>Secretary</i>	1950
R. ALLYN MOSER, <i>Treasurer and Business Manager</i>	1950
HARVEY I. FISHER, <i>Editor of 'The Auk'</i>	1950

MEMBERS OF THE COUNCIL IN ADDITION TO OFFICERS

JOHN T. EMLÉN, JR.	1950
FREDERICK C. LINCOLN	1950
HERBERT L. STODDARD	1950
LUDLOW GRISCOM	1951
AUSTIN L. RAND	1951
JOHN T. ZIMMER	1951
IRA N. GABRIELSON	1952
ERNST MAYR	1952
A. W. SCHORGER	1952
JEAN M. LINDALE, <i>Cooper Ornithological Club Representative</i>	1950
BURT L. MONROE, <i>Wilson Ornithological Club Representative</i>	1950
CHARLES F. BATCHELDER, 1905-8	} <i>Ex-Presidents</i>
A. C. BENT, 1935-37	
JAMES P. CHAPIN, 1940-42	
HERBERT FRIEDMANN, 1938-39	
HOYES LLOYD, 1946-48	
JAMES L. PETERS, 1943-45	
ALEXANDER WETMORE, 1926-29	

INVESTING TRUSTEES

JULIAN K. POTTER, <i>Chairman</i>	1950
R. M. DE SCHAUENSEE	1950
FREDERICK V. HEBARD	1950

COMMITTEES

COMMITTEE ON FINANCE. R. Allyn Moser, *Chairman*, Burt L. Monroe, Robert Cushman Murphy, Olin Sewall Pettingill, Jr., Herbert L. Stoddard.

COMMITTEE ON ENDOWMENT. (To be appointed.)

SPECIAL CANADIAN COMMITTEE. Hoyes Lloyd, *Chairman*. J. A. Munro, L. I. Snyder.

COMMITTEE ON PUBLICATIONS. The Editor of 'The Auk,' *Chairman*. The President, the Secretary, the Treasurer and Business Manager, the Editor of 'The Ten-year Index to *The Auk*' (Charles K. Nichols), Alden H. Miller, Josselyn Van Tyne.

COMMITTEE ON COMMUNICATIONS. Olin Sewall Pettingill, Jr., *Chairman*. John T. Emlen, Jr., Albert Wolfson.

EDITORIAL COMMITTEE. Harvey I. Fisher, *Chairman*. John T. Emlen, Jr., S. Charles Kendeigh, Robert W. Storer.

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COMMITTEE ON BIOGRAPHY. A. W. Schorger, *Chairman*. J. L. Baillie, Jr., Jean Delacour, Donald S. Farner, J. J. Hickey, Hildegard Howard, T. S. Palmer.

COMMITTEE ON THE NOMINATION OF FELLOWS AND MEMBERS. Alden H. Miller, *Chairman*. John W. Aldrich, L. L. Snyder.

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COMMITTEE ON BIRD PROTECTION. Gustav Swanson, *Chairman*. Philip A. DuMont, Ira N. Gabrielson, A. Starker Leopold, James A. Munro, Richard H. Pough.

COMMITTEE ON RESEARCH. Albert Wolfson, *Chairman*. Donald S. Farner, Herbert Friedmann, S. Charles Kendeigh, Ernst Mayr, Alden H. Miller, Margaret M. Nice, Josselyn Van Tyne.

COMMITTEE ON EDUCATION. William H. Behle, *Chairman*. Ian McT. Cowan, John T. Emlen, Jr., Joseph C. Howell, Charles G. Sibley.

LOCAL COMMITTEE ON ARRANGEMENTS FOR THE SIXTY-EIGHTH STATED MEETING. W. J. Breckenridge, *Chairman*. Milton D. Thompson, *Vice-Chairman*. Mrs. I. A. Lupient, *Secretary-Treasurer*. Amy Chambers, J. F. Clements, Whitney Eastman, Harvey I. Gunderson, R. A. Kortman, Donald K. Lewis, Mrs. G. R. Magney, Theodore Melone, Warren Nord, O. S. Pettingill, Jr., Dwain W. Warner, Vernon Whipple, Mrs. M. M. Willey.