

PROCEEDINGS OF THE EIGHTY-FOURTH STATED MEETING
OF THE AMERICAN ORNITHOLOGISTS' UNION

L. RICHARD MEWALDT, SECRETARY

THE Eighty-fourth Stated Meeting of the American Ornithologists' Union was held 5-9 September at the University of Minnesota, Duluth, Minnesota. Business sessions were held on 5, 7, and 8 September; paper sessions were held on 6-8 September; and an all-day field trip was taken on 9 September along the North Shore of Lake Superior where areas from hawk lookouts near Duluth to Temperance State Park were visited.

BUSINESS SESSIONS

On 5 September the Council met in the forenoon and early afternoon; the Fellows met in the late afternoon; and the Fellows and Elective Members met in the evening. The Council held its second and third sessions in the early afternoons of 7 and 8 September. The Fellows had their second meeting in the early afternoon of 8 September.

1967 meeting.—The Eighty-fifth Stated Meeting will be held from 21 to 25 August 1967 at Toronto, Ontario, at the invitation of the Royal Ontario Museum and Department of Zoology of the University of Toronto, the Ontario Department of Lands and Forests, the Federation of Ontario Naturalists, and the Canadian Audubon Society.

1968 meeting.—Plans to hold the Eighty-sixth Stated Meeting in a Pacific coastal state or province remain in the preliminary stages.

1969 meeting.—In the business sessions hope was expressed that the Eighty-seventh Stated Meeting might be held in southeastern North America.

Awards.—The Brewster Memorial Award, by action of the Council, was made to Dr. George A. Bartholomew of the Department of Zoology, University of California, Los Angeles. The citation states: "In its award of the Brewster Medal this year the American Ornithologists' Union honors an unusually distinguished and versatile research biologist, whose most notable ornithological contributions have been his unusually ingenious and perceptive studies on the energy requirements, water economy, and thermoregulatory processes of birds. These investigations, largely directed toward New World desert species, have combined carefully planned and executed laboratory experiments with field experiments and observations. The success of Professor George A. Bartholomew in projecting the results of laboratory investigations into meaningful terms in the context of the species in nature is unsurpassed. His papers provide outstanding examples of the manner in which a synthesis of data drawn from ethology, physiol-

ogy, and ecology can provide new insights into the evolution of adaptive mechanisms.

Professor Bartholomew is also an outstanding teacher who has inspired many students to undertake graduate study in zoology. His excellence in graduate instruction was recognized this year by one of the Distinguished Teaching Awards of the University of California. His laboratory has attracted an unusually able group of graduate students, many of whom are now active and leading investigators in the area of physiological ecology.

Professor Bartholomew and the investigators trained in his laboratory have contributed an impressive fraction of our total knowledge of the biology of New World desert-dwelling birds. It is indeed fitting to honor his outstanding ornithological contributions with the Brewster Award."

Josselyn Van Tyne Memorial Research Awards administered by the Research Committee, Paul H. Baldwin, Chairman, were made to Mr. David J. T. Hussell, University of Michigan, for a study on timing of migrations in three species of *Empidonax* flycatchers; to Mrs. Colleen H. Nelson, University of Manitoba, Winnipeg, to assist with obtaining living day-old young North American anatids for paintings; and to Frances Crews (Mrs. Douglas A.) James, University of Arkansas, Fayetteville, to aid with a survey of breeding birds of Arkansas.

Marcia Brady Tucker awards administered by the Committee on Student Awards, James R. King, Chairman, enabled three young ornithologists to attend the 1966 annual meeting. Awardees were David C. Krieg of St. Bonaventure University in New York, Dennis M. Power, University of Kansas, Lawrence, and C. John Ralph, San Jose State College, San Jose, California. Student Memberships in the A.O.U. were awarded by the Committee to 45 students from a field of 60 applicants.

Amendments to the Bylaws.—Several additions and changes proposed in the Bylaws came before the Fellows and the Council. Preliminary approval was given by the Fellows. Final action will be taken on these proposals at the 1967 meeting of the Fellows:

Addition to Article I, Section 1.

Present reading "and (8) Patrons."

Proposed reading "(8) Patrons, and (9) Benefactors."

Addition to Article I, Section 7.

Present reading "Members and Patrons."

Proposed reading "Members, Patrons, and Benefactors."

Addition to Article V, Section 1, last sentence.

Present reading "of Patrons, Honorary Fellows."

Proposed reading "of Benefactors, Patrons, Honorary Fellows."

Change in Article V, Section 5.

Present reading "Fellows, Elective Members, and Members, not in arrears for

dues, and Emeritus Fellows, Honorary Fellows, Corresponding Fellows, and Honorary Members shall receive the regular serial publication of the Union, entitled 'The Auk,' gratis."

Proposed reading "Fellows, Elective Members, and Members, not in arrears for dues, and all other classes of members shall receive the serial publication of the Union, entitled 'The Auk,' gratis."

Change in Article V, Section 7.

Present reading "Any person desirous of . . . the Union."

Proposed reading "Any person desirous of furthering the aims of the Union may, with the consent of the Council, become a Patron thereof on the gift or bequest of a sum of \$1000 into the General Endowment Fund or such other Fund as may, in the particular case, be approved by the Council, and the name of such Patron shall be inscribed in perpetuity upon the records of the Union."

Delete from Article V, Section 7, the sentence "Any Fellow, Elective Member . . . from annual dues."

Add to Article V a new Section 8.

Proposed reading "Section 8. Any person desirous of furthering the aims of the Union may, with the consent of the Council, become a Benefactor thereof on the gift or bequest of a sum of \$10,000 into the General Endowment Fund or such other fund as may, in the particular case, be approved by the Council, and the name of such Benefactor shall be inscribed in perpetuity upon the records of the Union."

Membership.—The Secretary reported the membership stood at 3,195 just prior to the annual meeting. Following elections the numbers in the several classes were:

Members	2,754
Student Members	45
Elective Members	194
Fellows	91
Fellow Emeritus	1
Honorary Fellows	20
Corresponding Fellows	74
Honorary Life Elective Members	7
Honorary Life Members	9

Total membership included 33 Patrons and 426 Life Members. During the year 28 members were deceased, 41 resigned, and 199 were dropped for non-payment of dues. The 210 new members added resulted in a net loss in membership of 58.

Within the year the Committee on Biography learned of the death of 18 Members, 5 Elective Members, 3 Fellows, and 2 Corresponding Fellows:

Wilfred B. Alexander, Corresponding Fellow
 Benedict J. Blincoe, Member
 Mrs. B. B. Bowdish, Honorary Life Elective Member
 Wendell Brown, Member
 R. C. Brummett, Member

W. Lee Chambers, Life Fellow
 Lawrence B. Chapman, Member
 Thomas T. Cooke, Member
 Mrs. John Crews, Member
 Alexander D. DuBois, Elective Member
 C. M. Goethe, Member
 Harry W. Hann, Elective Member
 Ronald J. Hock, Member
 Alexander H. Holcombe, Jr., Member
 Lynn D. LaFave, Member
 Alfred Laubmann, Corresponding Fellow
 John Edmund Martin, Member
 Robert Medcalf, Life Member
 Alden H. Miller, Life Fellow
 Stanley J. D. Oswald, Member
 William H. Partridge, Life Elective Member
 William H. Phelps, Sr., Fellow
 Hugo B. Pladeck, Member
 B. V. Ramanjulu, Member
 Mrs. Lawrence B. Romaine, Member
 James G. Suthard, Member
 Ivan R. Tomkins, Elective Member
 Ellison A. Williams, Member

In the meetings on 5 September the following were elected to special classes of membership in the A.O.U.

FELLOW

Keith L. Dixon
 Don R. Eckelberry
 Amelia R. Laskey
 L. Richard Mewaldt
 Martin H. Moynihan
 Kenneth E. Stager

CORRESPONDING FELLOW

Karl H. Voous

PATRON

Frank A. Hartman

ELECTIVE MEMBER

Richard C. Banks
 James Baird
 Robert I. Bowman
 Jean W. Graber
 William J. Hamilton, III
 Burt L. Monroe, Jr.
 George E. Watson

Finances.—Cyrus Mark, Chairman of the Investing Trustees, reported that the appraised value of the endowment holdings as of 29 July 1966 was \$217,280 including a capital increase of \$6,000. Net earnings realized by the A.O.U. in the fiscal year (1965-66) amounted to \$7,589.61 or 3.6 per cent of the total appraised value of holdings. The Council re-elected Investing Trustees Cyrus Mark, Chairman, Turner Biddle, and Arlie W. Schorger.

The report of Treasurer Burt L. Monroe, Sr., appears in full at the conclusion of these proceedings.

Editorial matters.—Robert M. Mengel, Editor of *The Auk*, reported that Volume 82, consisting of 706 pages, included 23 major papers, 1 memorial, 3 reports, 51 general notes, 36 reviews, and miscellany. Rejection rates have remained essentially the same as in the previous year (near 50 per cent) and publication rates have not changed appreciably (average near 12 months). The backlog, however, has been somewhat diminished. The first three numbers of Volume 83 have already appeared and the final issue is in press. Volume 83 will consist of approximately 730 pages and when complete should contain approximately 31 major articles, 4 memorials, 2 reports, 52 general notes, 31 book reviews, miscellany, and two colored frontispieces. Dr. Mengel was re-elected Editor of *The Auk* but asked to be replaced effective upon the completion of Volume 84 and a term of five years.

Robert W. Storer, Editor of *Ornithological Monographs*, reported that during the past year monograph No. 4, "Evolution of Some Arctic Gulls (*Larus*): an Experimental Study of Isolating Mechanisms" by Neal Griffith Smith has been published and monograph No. 5, "A Comparative Life-history Study of Four Species of Woodpeckers" by Louise deKiriline Lawrence, is in galley proof. Two additional manuscripts are in advanced stages of preparation. Dr. Storer was re-elected Editor of the *Ornithological Monographs*.

Classification and nomenclature of North American birds.—Following the untimely death of Alden H. Miller, President Amadon appointed George H. Lowery Chairman *pro tem* of the Committee on Classification and Nomenclature of North American Birds. Upon the recommendation of this Committee, the Council elected Eugene Eisenmann to be Chairman of the Committee.

At a later meeting of the Council, Eisenmann filed a report which consisted of a crystalization of Committee deliberations on the plans for the sixth edition of the *Check-list*. This proposes that the new check-list be not simply a legalistic revision of the present edition but that it be based upon all available advances in systematics as provided by physiology, ecology, genetics, behavior, etc., and that possibly the scope be expanded to include Mexico and Central America through Panama.

Election of officers.—At the meeting of Fellows and Elective Members, Harold F. Mayfield was elected President, Thomas R. Howell was advanced automatically to First Vice-President, and John W. Aldrich was elected Second Vice-President. Re-elected were L. Richard Mewaldt, Secretary, and Burt L. Monroe, Sr., Treasurer. Elected to three-year terms on the Council were Harvey I. Fisher, Philip S. Humphrey, and Wesley E. Lanyon.

ATTENDANCE

Attendance at the meeting included 330 persons from seven provinces of Canada, 37 states and the District of Columbia of the U.S.A.

CANADA—*Alberta*: Kees Vermeer. *Manitoba*: David Hatch, Martin McNicholl, Mr. and Mrs. Carl R. Nelson, Jr., Robert W. Nero. *New Brunswick*: A. J. Erskine. *Newfoundland*: Leslie M. Tuck. *Ontario*: Dr. and Mrs. A. E. Allin, Mr. and Mrs. J. L. Baillie, Jon C. Barlow, Mrs. R. M. Beckett, Mrs. Lyle Bocking, Mr. and Mrs. James A. Darley, Ralph A. Davis, James A. Dick, Dr. and Mrs. Douglas Dow, W. W. H. Gunn, Margaret S. Hogarth, Robert Lewies, Hoyes Lloyd, Robert Lockwood, Stewart D. MacDonald, Robert Montgomerie, Rita Penwarden, W. John Richardson. *Quebec*: Roger Titman. *Saskatchewan*: Robert R. Cohen, Alex Dzubin, Ross Lein.

UNITED STATES—*Arizona*: Betty Carnes, Dr. and Mrs. Jacob B. Gier, Edwin O. Willis. *Arkansas*: Marvin D. Crabb, Mr. and Mrs. Jay Dykstra, Bill Forsyth, Mr. and Mrs. Henry N. Halberg, Dr. and Mrs. Douglas James. *California*: George A. Bartholomew, Earle R. Greene, John W. Hardy, Thomas R. Howell, Ned K. Johnson, Dr. and Mrs. L. Richard Mewaldt, Ann E. Miller, C. John Ralph. *Colorado*: Dr. and Mrs. Paul H. Baldwin, Nancy Hurley, Sadie Morrison, Mr. and Mrs. Donald M. Thatcher, Mr. and Mrs. Jack F. Welch. *Connecticut*: Roger T. Peterson, Arthur D. Spring. *District of Columbia*: Richard C. Banks, Richard Crossin, Orville W. Crowder, Dr. and Mrs. Charles A. Ely, Philip S. Humphrey, Warren B. King, Soekarja Somadikarta, Dr. and Mrs. Alexander Wetmore. *Florida*: Herbert W. Kale, II, Mr. and Mrs. K. L. Painter. *Georgia*: Rexford Lord. *Illinois*: Emmet R. Blake, George V. Burger, Jock Etnyre, Dr. and Mrs. Harvey I. Fisher, William George, Robert S. Gourley, James R. Karr, Hazel Bradley Lory, Edward A. Munyer, Ray B. Owen, Jr., Dr. and Mrs. Austin L. Rand, Dennis Raveling, Roland Roth, William E. Southern, Jerrold H. Zar. *Indiana*: A. Craig Aldredge, J. Hill Hamon, Robert A. Johnson, Glenn W. Kinser, Jr.

Iowa: Mr. and Mrs. Brooke, John Faaborg, Leigh H. Fredrickson, Mr. and Mrs. William Lonnecker, Mr. and Mrs. J. P. Moore, Peter Petersen, Jr., Mr. and Mrs. Fred Pierce, Esther Pieters, David Strohmeier, Milton W. Weller. *Kansas*: Dr. and Mrs. Robert M. Mengel, Dennis Power, Gary Schnell, John L. Zimmerman. *Kentucky*: Ray Harm, Larry L. Hood, Dr. and Mrs. Burt L. Monroe, Jr., Mr. and Mrs. Burt L. Monroe, Sr. *Louisiana*: Laurence C. Binford, Tom Kee, Dr. and Mrs. George H. Lowery, Dr. and Mrs. Robert J. Newman. *Maine*: Dr. and Mrs. Kenneth Crowell. *Maryland*: Earl Baysinger, Allen Duvall, Frank B. McGilvrey, Chandler S. Robbins, Willet T. Van Velzen. *Massachusetts*: Benjamin Dane, Dr. and Mrs. Theodore D. Sargent. *Michigan*: Joan D. Beltz, Mr. and Mrs. Agnar Ingolfsson, Bertram G. Murray, Jr., Dr. and Mrs. Walter Nickell, Mr. and Mrs. David R. Osborne, Arlo Raim, Jerome Robins, Norman F. Sloan, Robert W. Storer, Harrison B. Tordoff, Dr. and Mrs. Leonard Wing.

Minnesota: Dr. and Mrs. W. J. Breckenridge, Mr. and Mrs. Joe Bronoel, Mr. and Mrs. Thomas R. Campbell, Miriam Carlstedt, Goldie Cohen, Donald Davidson, Doris Doeden, Mary Dolan, Mr. and Mrs. Whitney Eastman, Mardene Eide, Mary I. Elwell, O. A. Finseth, Charles Flugum, Edna Fox, George Fulk, Peter Getman, Clifton W. Gray, Janet Green, Mr. and Mrs. H. J. Griffith, Mr. and Mrs. Gordon W. Gullion, Betty Jean Hahn, Flora Hauser, Vincent A. Heig, Dr. and Mrs. P. B. Hofslund, Oscar W. Johnson, Gerald Kaufmann, Kevin C. Kelleher, Tauno Ketola,

Eugene A. LeFebvre, Dorothy Lockard, Joyce Lounberg, Grady E. Mann, Mr. and Mrs. John Mathison, Jean McIntosh, Dr. and Mrs. Frank McKinney, Mr. and Mrs. Cuthbert E. Munns, James F. Opsahl, Norman J. Ordal, Mrs. Rodney Paine, Richard E. Phillips, Norma Potter, Mr. and Mrs. Harvey Putnam, Anthony Rekas, Jessie F. Richardson, Orrin Rongstad, William Schmid, Jay Schnell, Helen L. Seymour, David Strohmeier, Mrs. Marion S. Stutsman, Mrs. Ernest D. Swedenborg, Mrs. Lee M. Taylor, John Tester, Margaret Thexton, Lawrence Thomforde, Genevieve M. Tvrdik, Carol Urness, Dr. and Mrs. Dwain Warner, Pauline Wershofen. *Missouri*: James Hansen, N. R. Holler, Erwin E. Klaas, John P. Rogers. *Montana*: Philip L. Wright. *Nebraska*: Dr. and Mrs. Paul A. Johnsgard, Mr. and Mrs. John Lueshen. *New Hampshire*: David Olson. *New Jersey*: Mrs. John J. Dater, Jeff Swinebroad, Mr. and Mrs. Fred K. Truslow, Mrs. William A. Wachenfeld. *New Mexico*: Ralph J. Raitt. *New York*: Mrs. Arthur Allen, Dr. and Mrs. Dean Amadon, Charles T. Collins, Robert Dickerman, Charlotte DuBois, Eugene Eisenmann, Helen Hays, Mr. and Mrs. Cameron Kepler, Dr. and Mrs. Douglas A. Lancaster, Wesley E. Lanyon, Ralph S. Palmer, Margaret Rusk, Lester L. Short, Dr. and Mrs. Walter Spofford, Charles Vaurie, Jayson A. Walker, Sam E. Weeks, Mr. and Mrs. A. Richard Weisbrod. *North Carolina*: Gilbert Gottlieb, James Howell Hunt, James F. Parnell, Thomas L. Quay. *North Dakota*: Elizabeth Anderson, J. Frank Cassel, Charles W. Dane, Merrill C. Hammond, Roger Kroodsma, Mrs. Fred Scheel, Glen Sherwood, Mrs. Leslie Welter. *Ohio*: Robert D. Burns, Ray Heithaus, Larry Holcomb, Mr. and Mrs. Harold F. Mayfield, Charles F. Thompson, Gilbert Twiest.

Oklahoma: Robert I. Smith. *Oregon*: Harold Duebbert. *Pennsylvania*: Fred J. Brenner, Mr. and Mrs. David C. Krieg, Kenneth C. Parkes, Theodora Sumner, Elizabeth A. Taft, Col. Bernard Thielen. *South Dakota*: Bert Anderson, Rod Drewien, Dr. and Mrs. Byron Harrell, Paul F. Springer, Nathaniel R. Whitney. *Tennessee*: J. C. Howell, Amelia R. Laskey. *Texas*: Keith A. Arnold, L. Irby Davis, Michael K. Rylander. *Virginia*: Mrs. Roxie C. Laybourne. *Washington*: Donald S. Farner, George E. Hudson. *Wisconsin*: Dr. and Mrs. Frederick M. Baumgartner, Daniel D. Berger, Dr. and Mrs. Richard Bernard, David A. Bratley, James J. Dinsmore, Dr. and Mrs. John T. Emlen, J. Harwood Evans, Mr. and Mrs. Don G. Follen, Sr., Laurence R. Jahn, Charles A. Kemper, James R. March, Stephen Martin, Dr. and Mrs. Robert A. McCabe, Mrs. E. A. McKenna, Margarette E. Morse, Rev. Sam Robbins, Elmer W. Strehlow.

PUBLIC SESSIONS

Paper sessions were held mornings and afternoons of three successive days beginning Tuesday, 6 September, in auditorium HE 80.

TUESDAY MORNING SESSION

Dr. Pershing B. Hofslund, Chairman of the Local Committee on Arrangements, introduced Dr. Raymond W. Darland, Provost of the University of Minnesota, Duluth, who delivered an address of welcome. President Dean Amadon responded for the American Ornithologists' Union. Secretary Richard Mewaldt summarized the business sessions of the previous day, including elections. The following papers were then presented:

- VICTOR H. CAHALANE, New York State Museum and Science Service, Albany, *Report of the Bird Protection Committee, 1965-66.*
- BURT L. MONROE, JR., Dept. of Biology, University of Louisville, Kentucky, *Taxonomic Studies of Middle American Arremonops.*
- EUGENE EISEMANN, American Museum of Natural History, New York, *The "Panama Gap" in the Xerophilous Avifauna of Northern Tropical America.*
- KENNETH C. PARKES, Carnegie Museum, Pittsburgh, Pennsylvania, *Taxonomic Relationships of Some Tropical Fishing Eagles.*
- FREDERICK M. BAUMGARTNER, Dept. of Conservation, Wisconsin State University, Stevens Point, *Changes of Status and Additions to the Oklahoma Avifauna, 1956-1965.*
- HARRISON B. TORDOFF, Museum of Zoology, The University of Michigan, Ann Arbor, *Interspecific and Backcross Hybrids in Crossbills.*
- JOHN L. ZIMMERMAN, Dept. of Zoology, Kansas State University, Manhattan, *Polygyny in the Dickcissel.*
- THOMAS R. HOWELL, Department of Zoology, University of California, Los Angeles, *A Model for Analysis of Distribution of Central American Birds.*

TUESDAY AFTERNOON SESSION

- CHANDLER S. ROBBINS and WILLET T. VAN VELZEN, Migratory Bird Population Station, Laurel, Maryland, *Report on the 1966 Breeding Bird Survey of Eastern North America.*
- JAMES L. BAILLIE, Royal Ontario Museum, University of Toronto, *Ontario's Most Recent Breeding Birds.*
- KENNETH L. CROWELL, Dept. of Biology, University of Calgary, Alberta, *Changes in Avian Populations of Bermuda.*
- CHARLES A. ELY, DAVID A. BRATLEY, and KENNETH E. AMERMAN, Pacific Ocean Biological Survey Program, Smithsonian Institution, Washington, *Dispersal and Non-breeding Distribution of Central Pacific Terns.*
- DAVID H. HIRTH and FREDERICK GREELEY, Department of Forestry and Wildlife Management, University of Massachusetts, Amherst, *Dispersal and Flocking of Marked Young Robins (Turdus m. migratorius) After Fledging.*
- WALTER P. NICKELL, Cranbrook Institute of Science, Bloomfield Hills, Michigan, *Ten Years of Homing and Longevity Studies on the Bank Swallow.*
- THOMAS L. QUAY, Zoology Department, North Carolina State University, Raleigh, *Wintering Baltimore Orioles in the Atlantic and Gulf States.*
- W. D. SCHMID, Zoology Department, University of Minnesota, Minneapolis, *Changes in the Mourning Dove Associated with Autumnal Migration.*
- W. JOHN RICHARDSON, 4380 South Service Road, Burlington, Ontario, *Observation of an Intense Northward Migration at London, Ontario, in June, 1966.*
- WILLIAM W. H. GUNN, Canadian Wildlife Service, Ottawa, Ontario, *Radar Views of Fall Buteo Migration North of Lake Superior.*
- MARVIN D. CRABB and DOUGLAS JAMES, Department of Zoology, University of Arkansas, Fayetteville, *Orientations of Migratory White-throated Sparrows in a Planetarium.*
- REXFORD D. LORD, Department of Health, Education and Welfare, Communicable Disease Center, Atlanta, Georgia, *Mist Net Observations of Gulf Coast Spring Migration.*

WEDNESDAY MORNING SESSION

- GLORIA M. WARNER, Museum of Natural History and Dept. of Plant Pathology, University of Minnesota, Minneapolis, *The Role of Birds in Dissemination of Fungi*.
- JAMES F. PARNELL, Biology Department, Wilmington College, North Carolina, *An Analysis of the Habitat Relations of Some Members of the Family Parulidae During the Spring Migration*.
- GORDON W. GULLION, Forest Research Center, University of Minnesota, Cloquet, *Survivorship of Male Ruffed Grouse in a Boreal Forest*.
- JOHN WILLIAM HARDY, Moore Laboratory of Zoology, Occidental College, California, and RALPH J. RAITT, Dept. of Biology, New Mexico State University, University Park, *Ecological Relationships Between the Sibling Thrushes *Catharus occidentalis* and *C. frantzii* in Montane Oaxaca*.
- HERBERT W. KALE II, Entomological Research Center, Vero Beach, Florida, *Water Sources of the Long-billed Marsh Wren in Georgia Salt Marshes*.
- PAUL H. BALDWIN, Department of Zoology, Colorado State University, Fort Collins, *The Feeding of Insectivorous Birds on Engelmann Spruce Beetle*.
- J. FRANK CASSEL, Department of Zoology, North Dakota State University, Fargo, *The Influence of Shelterbelts on Birds in North Dakota*.
- MARGUERITE H. BAUMGARTNER, Route 1, Box 294, Stevens Point, Wisconsin, *The Vermilion Flycatcher (*Pyrocephalus rubinus*) in Oklahoma*.
- ROBERT W. STORER, The University of Michigan, Ann Arbor, *The Patterns of Downy Grebes*.
- FREDERICK K. TRUSLOW, Summit, New Jersey, *Egg Carrying by Pileated Woodpeckers*.
- TAUNO E. KETOLA, M.D., Minnesota Museum of Natural History, University of Minnesota, Minneapolis, *Association of Feather Abnormalities and an Encephalitis in *Agelaius phoeniceus**.

WEDNESDAY AFTERNOON SESSION

- ROGER T. PETERSON, Old Lyme, Connecticut, *Peregrines and Pesticides*.
- CHARLES VAURIE, The American Museum of Natural History, New York, *Pattern of Geographic Distribution of Cracidae*.
- GEORGE E. HUDSON, Department of Zoology, Washington State University, Pullman, *Appendicular Muscles of the Lari*.
- ANN EILEEN MILLER, Department of Biological Sciences, San Jose State College, California, *Effect of Limited Food Intake on Testis Size and Locomotor Activity in Gambel's White-crowned Sparrow*.
- ROBERT R. COHEN, Department of Biology, University of Saskatchewan, Saskatoon, *Recovery of the Blood System After Prolonged Exposure to Low Oxygen, in the Pintail (*Anas acuta*)*.
- HARVEY I. FISHER, Southern Illinois University, Carbondale, *The Body Weights of Laysan Albatrosses (*Diomedea immutabilis*)*.
- WARREN KING and PATRICK GOULD, Pacific Ocean Biological Survey Program, Smithsonian Institution, Washington, D.C., *Present Status of Newell's Shearwater*.
- R. W. LEWIS and M. I. DYER, Department of Zoology, University of Guelph, Ontario, *Respiratory Metabolism of the Red-winged Blackbird, *Agelaius phoeniceus*, in Relation to Ambient Temperature*.
- MICHAEL K. RYLANDER, Texas Technical College, Lubbock, *Studies of the Peripheral Nerves in Certain Shorebirds*.

ANNE H. WING and LEONARD WING, Ann Arbor, Michigan, *Wood Thrush Recordings*.
 NED K. JOHNSON, Museum of Vertebrate Zoology, University of California, Berkeley,
Evolution of Size in Northern Populations of the Western Flycatcher.

X JOAN DUNKEL BELTZ, Andrews University, Berrien Springs, Michigan, *Seasonal Development of Song in the Rufous-sided Towhee*.

THURSDAY MORNING SESSION

BENJAMIN DANE, Department of Biological Sciences, Stanford University, *The Ontogeny of Goldeneye Displays*.

GILBERT GOTTLIEB, Dorothea Dix Hospital, Raleigh, North Carolina, *Species Identification in Ducklings*.

CHARLES W. DANE, Bureau of Sport Fisheries and Wildlife, Jamestown, North Dakota, *Influence of Early Association on Subsequent Pairing Behavior of Ducks*.

ROBERT I. SMITH, Oklahoma State University, Stillwater, *Vocalizations of the Pintail*.

MILTON W. WELLER, Department of Zoology and Entomology, Iowa State University, Ames, *Breeding Biology of the Parasitic Black-headed Duck*.

ALEX DZUBIN, Canadian Wildlife Service, Saskatoon, Saskatchewan, *Some Density Effects on Mallard Production*.

THURSDAY AFTERNOON SESSION

THEODORE D. SARGENT, Department of Zoology, University of Massachusetts, Amherst, *The Effect of Cage-mates on Canary Stereotypies*.

DAVID KRIEG, St. Bonaventure University, St. Bonaventure, New York, *Territory in the Bluebird*.

LARRY C. HOLCOMB, Department of Biology, Midland College, Fremont, Nebraska, *Nest Building, Egg Laying, Incubation and Nesting Success in the American Goldfinch*.

R. A. JOHNSON, R. R. 1, Bloomington, Indiana, *Hatching Behavior of the Bobwhite Quail*.

GLENN W. KINSER, Department of Zoology, Indiana University, *Reproductive Success of the Cardinal in a Deciduous Scrub Habitat*.

DOUGLAS D. DOW, Department of Zoology, University of Western Ontario, London, *Indexing Population Densities of the Cardinal with Tape-recordings of Territorial Song*.

EDWIN O. WILLIS, American Museum of Natural History, New York, *Agonistic Displays of Bicolored Antbirds*.

C. JOHN RALPH, Department of Biological Sciences, San Jose State College, California, *Homing Ability of Three Taxa of Zonotrichia*.

D. W. WARNER, Museum of Natural History, University of Minnesota, Minneapolis, *An Automatic Radio-tracking System for Animal Behavior Studies*.

THOMAS H. NICHOLLS, Museum of Natural History, University of Minnesota, Minneapolis, *Automatic Radio-tracking System Monitors Owl Movements*.

SOCIAL EVENTS

The dinner for the Fellows and Council was held Monday evening at the Holiday Inn Motel Restaurant. On Tuesday evening, after an artistic presentation of "Viewpoint North" by Glenn Maxham, the reception for members and guests was held in the Tweed Art Gallery on the University

campus. Guided tours of the Apostle Islands in Lake Superior on Tuesday and of Skyline Boulevard and the Duluth Harbor on Wednesday were attended by spouses and guests.

The Annual Banquet on Thursday evening was held in the Ballroom of the University Kirby Student Center. Dwain W. Warner served as toastmaster. President Dean Amadon announced the several awards. Walter J. Breckenridge showed and provided commentary on his excellent, just completed film "Migration Mysteries."

FIELD TRIP

On Friday, 9 September, an all-day field trip by bus and private car proceeded in beautiful weather from a hawk lookout in Duluth up the North Shore Drive of Lake Superior to and above Temperance State Park.

RESOLUTIONS

The following resolution prepared by the Resolutions Committee (Emmet R. Blake, Robert M. Mengel, and Harrison B. Tordoff, Chairman) was adopted by acclamation at the General Session on Thursday afternoon.

"Whereas the American Ornithologists' Union, meeting for its 84th Stated Meeting at Duluth, Minnesota, at the invitation of the University of Minnesota, Duluth, the Minnesota Ornithologists' Union, and the Duluth Bird Club, has enjoyed the splendid facilities of the University and the warm hospitality of our hosts,

Therefore, be it resolved that the American Ornithologists' Union expresses its sincere appreciation to the sponsoring organizations and in particular to the local committee on arrangements, under the enthusiastic chairmanship of Dr. Pershing B. Hofslund."

OFFICIALS OF THE AMERICAN ORNITHOLOGISTS' UNION FOR 1966-67

OFFICERS

	<i>Expiration of Term</i>
Harold F. Mayfield, <i>President</i>	1967
Thomas R. Howell, <i>First Vice-President</i>	1967
John W. Aldrich, <i>Second Vice-President</i>	1967
L. Richard Mewaldt, <i>Secretary</i>	1967
Burt L. Monroe, Sr., <i>Treasurer</i>	1967
Robert M. Mengel, <i>Editor of The Auk</i>	1967

MEMBERS OF THE COUNCIL

Elective Members

Kenneth C. Parkes	1967
Robert W. Storer	1967
Harrison B. Tordoff	1967
James L. Baillie	1968

Eugene Eisenmann	1968
Robert J. Newman	1968
Harvey I. Fisher	1969
Philip S. Humphrey	1969
Wesley E. Lanyon	1969

Society Representatives

Donald S. Farner, Cooper Ornithological Society	1968
Pershing B. Hofslund, Wilson Ornithological Society	1967

Past Presidents

Dean Amadon, 1964-66	Ernst Mayr, 1957-59
Herbert Friedmann, 1937-39	Robert Cushman Murphy, 1948-50
Hoyes Lloyd, 1945-48	Austin L. Rand, 1962-64
George H. Lowery, Jr., 1959-62	Alexander Wetmore, 1926-29

A.O.U. COMMITTEES 1966-67

- COMMITTEE ON BIOGRAPHY: Daniel L. McKinley, *Chairman*. Charles Vaurie, Hoyes Lloyd.
- COMMITTEE ON THE BREWSTER MEMORIAL AWARD: Donald S. Farner, *Chairman*. Wesley E. Lanyon, John W. Aldrich, H. B. Tordoff, William C. Dilger.
- COMMITTEE ON CLASSIFICATION AND NOMENCLATURE OF NORTH AMERICAN BIRDS: Eugene Eisenmann, *Chairman*. Dean Amadon, Thomas R. Howell, Ned K. Johnson, George H. Lowery, Kenneth C. Parkes, Robert W. Storer, H. B. Tordoff.
- COMMITTEE ON CONSERVATION: Fred G. Evenden, *Chairman*. David A. Munro, Walter R. Spofford, II, John M. Anderson, George C. West, Ray C. Erickson.
- EDITORIAL COMMITTEE: Robert M. Mengel, *Chairman*. Walter J. Bock, William R. Dawson, Eugene Eisenmann, John T. Emlen, Frederick N. Hamerstrom, Jr., William J. Hamilton, III, Wesley E. Lanyon, Kenneth C. Parkes, Theodore D. Sargent, Robert W. Storer.
- COMMITTEE ON ENDOWMENT: Val Nolan, Jr., *Chairman*. John Davis, Cyrus Mark, Robert J. Newman.
- COMMITTEE ON FINANCE: Burt L. Monroe, Sr., *Chairman*. Hoyes Lloyd, Cyrus Mark, Robert J. Newman, Melvin A. Traylor.
- INVESTING TRUSTEES: Cyrus Mark, *Chairman*. Turner Biddle, Arlie W. Schorger.
- COMMITTEE ON NOMINATION OF HONORARY AND CORRESPONDING FELLOWS: Charles Vaurie, *Chairman*. Emmet R. Blake, George E. Watson.
- COMMITTEE ON NOMINATION OF FELLOWS AND ELECTIVE MEMBERS: Robert K. Selander, *Chairman*. Eugene Eisenmann, George A. Bartholomew, Jr.
- COMMITTEE ON NOMINATION OF MEMBERS: Burt L. Monroe, Jr., *Chairman*. Frederick M. Baumgartner, Robert M. Boggs, Winston Brockner, John L. Bull, Geoffrey Carleton, Howard L. Cogswell, David A. Cutler, Ruth P. Emery, James Fisher, Patrick J. Gould, Earle R. Greene, George A. Hall, Donald A. Kunkle, Mary Louise Lupient, Marie L. Mans, Russell E. Mumford, Robert W. Nero, Peter C. Petersen, Thomas H. Rogers, Frederic R. Scott, Oliver K. Scott, Alexander Sprunt, IV, Henry M. Stevenson, Jerry Strickling, Fred S. Webster, James K. Woodford.
- COMMITTEE ON SCIENTIFIC PROGRAM: Richard F. Johnston, *Chairman*. Jon Barlow, J. Bruce Falls, L. Richard Mewaldt.

COMMITTEE ON PUBLICATIONS: Robert M. Mengel, *Chairman*. Harold F. Mayfield, L. Richard Mewaldt, Burt L. Monroe, Sr., Robert W. Storer, Ralph S. Palmer, Eugene Eisenmann.

COMMITTEE ON RESEARCH: Paul H. Baldwin, *Chairman*. Richard C. Banks, J. Bruce Falls, Gordon W. Gullion, Ralph J. Raitt, Allen W. Stokes, Richard L. Zusi.

COMMITTEE ON STUDENT AWARDS: Stephen M. Russell, *Chairman*. Douglas A. Lancaster, David W. Johnston, William L. Thompson, Jared Verner.

LOCAL COMMITTEE ON ARRANGEMENTS FOR THE EIGHTY-FIFTH STATED MEETING: Jon C. Barlow, James L. Baillie, Mrs. Jon C. Barlow, C. A. D. Clarke, James A. Dick, J. Bruce Falls, W. W. H. Gunn, Mrs. W. W. H. Gunn, Patrick Hardy, F. H. Kortright, George Peck, T. M. Shortt, L. L. Snyder, J. Murray Speirs, James K. Woodford.

TREASURER'S REPORT

FOR THE PERIOD OF AUGUST 1, 1965 TO JULY 31, 1966

INCOME TO ACTIVE FUND

Dues	\$13,351.90
Subscriptions	3,003.00
Sale of back issues of <i>The Auk</i>	2,177.73
Royalties on microfilm of <i>The Auk</i>	134.23
Advertising	1,692.30
Subsidy for paper in <i>The Auk</i>	500.00
Other donations to Active Publication Fund	379.81
Sale of reprints	25.50
Income from General Endowment Fund	4,764.36
Income from Ruthven Deane Fund	252.09
Income from savings account	1,166.77
Income from Goetz Estate	625.65
Donation for color plate	289.50
Refund from Annual Meeting	281.31
Balance in Active Account 1965	3,896.46
TOTAL INCOME 1965-1966	\$32,540.61

DISBURSEMENTS FROM ACTIVE FUND

Manufacture and distribution of <i>The Auk</i>	\$20,091.59
Expenses, Editor of <i>The Auk</i>	1,080.90
Secretary's expenses	522.06
Clerical assistance, Treasurer's office	396.62
Mailing of back issues	246.45
Stationery, office supplies, and maintenance	455.40
Cost of printing and mailing dues notices	350.34
Postage	331.87
Telephone and telegraph	141.07
Annual meetings	724.72
Zip-coding	332.92
Bank charges	40.31
Membership Committee	127.40
Donation to Internat. Comm. on Zool. Nomenclature	25.00

Donation to Zoological Record	50.00
Assessment, American Ass'n Advancement of Science	20.00
Contribution to General Endowment	1,400.00
TOTAL DISBURSEMENTS 1965-1966	\$26,336.65
BALANCE IN ACTIVE FUND 1966	\$ 6,203.96

SPECIAL FUNDS

Brewster Memorial Fund

Income from investments	\$ 408.91	
To Ernst Mayr		\$ 57.99
Cost of medal		350.92
	\$ 408.91	\$ 408.91

Bird Protection Fund

Balance forward	\$ 69.36	
Income from investments	76.47	
International Council for Bird Preservation		\$ 50.00
Internat. Union for Conserv. of Nature		25.00
International Wildfowl Research Bureau		25.00
Expenses, Comm. on Bird Protection		15.52
Balance in account		30.31
	\$ 145.83	\$ 145.83

Educational Fund

Balance forward	\$ 5.41	
Income from investments	221.63	
Memberships for 45 students		\$ 225.00
Balance in account		2.04
	\$ 227.04	\$ 227.04

General Endowment Fund

Balance forward	\$ 1,092.89	
Life Membership payments	4,037.50	
Patronship, Frank A. Hartman	1,000.00	
Donations in memory of S. S. Gregory	25.00	
Other donations	1,074.00	
Transferred from Active Account	1,400.00	
Expenses of Endowment Committee		\$ 84.00
To Investing Trustees		7,500.00
Balance in account		1,045.39
	\$ 8,629.39	\$ 8,629.39

Handbook of North American Birds Fund

Balance forward	\$ 3,124.86	
Royalties on <i>Handbook</i>	279.75	
Reference materials		\$ 59.50
Balance in account		3,345.11
	\$ 3,404.61	\$ 3,404.61

Special Publications Fund

Balance forward	\$ 3,320.45
Income from investments	284.49
Sale of <i>Check-lists</i>	965.30
Sale of <i>Proceedings</i>	826.71

Sale of other publications	236.20	
Mailing of publications by printer		\$ 101.34
Storage charges		46.00
Advertising		135.00
Balance in account		5,350.81
	\$ 5,633.15	\$ 5,633.15
<i>Ornithological Monographs Fund</i>		
Balance forward	\$16,849.07	
Sale of monographs	2,664.20	
Donation from Marcia B. Tucker	5,000.00	
Editor's expenses		\$ 128.50
Advertising		300.00
Production costs		4,767.39
Mailing of publications by printer		147.28
Balance in account		19,170.10
	\$24,513.27	\$24,513.27
<i>Marcia B. Tucker Fund</i>		
Donation from Mrs. Tucker	\$ 500.00	
1966 Awards:		
C. John Ralph		\$ 275.00
David C. Krieg		140.00
Dennis M. Power		85.00
	\$ 500.00	\$ 500.00
<i>Van Tyne Memorial Fund</i>		
Balance forward	\$ 1.81	
Income from investments	472.41	
Donation from Dr. Allan W. Stokes	126.00	
1966 Awards:		
D. J. T. Hussell		\$ 350.00
Mrs. Carl R. Nelson, Jr.		150.00
Mrs. Douglas A. James		100.00
Balance in account22
	\$ 600.22	\$ 600.22
CLOSING BALANCES		
Active Account		\$ 6,203.96
Bird Protection Fund		30.31
Educational Fund		2.04
General Endowment Fund		1,045.39
<i>Handbook</i> Fund		3,345.11
Special Publications Fund		5,350.81
<i>Ornithological Monographs</i> Fund		19,170.10
Van Tyne Memorial Fund22
TOTAL		\$35,147.94
Checking Account, Liberty National Bank and Trust Co., Louisville, Ky. ..	\$ 3,038.44	
Savings Account, Apollo Savings Bank, Chicago, Illinois	1,803.45	
International Harvester Credit Corporation Promissory Notes	30,306.05	
		\$35,147.94