

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

L. RICHARD MEWALDT, SECRETARY

The Eighty-seventh Stated Meeting of the American Ornithologists' Union was held 1-5 September 1969 at the University of Arkansas at Fayetteville. Cosponsors were the University of Arkansas and the Arkansas Audubon Society. Business sessions were held on 1 and 3 September; paper sessions on 2, 3, and 4 September; and on 5 September two all-day field trips, a canoe trip on the Buffalo River, and a bus trip to the Boston Mountains.

BUSINESS SESSIONS

On 1 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 and the Fellows each held their second and third meetings on 3 September. A summary of actions at these meetings follows:

*1970 meeting.*—The Eighty-eighth Stated Meeting will be held from 5-9 October at Buffalo, New York, at the invitation of the Buffalo Museum of Science, the Buffalo Audubon Society, and the Buffalo Ornithological Society.

*Awards.*—Josselyn Van Tyne Memorial Research Awards administered by the Committee on Research were made to Robert E. Gobeil of Saint Francis College, Biddeford, Maine (\$150), for a study on the arrangement of veins in the heart region of birds and their phylogenetic significance; to James V. Kelleher, University of Nevada, Reno (\$300), for a study of the ecological distribution of birds in the Carson Range, Nevada; to Robert J. Long, University of Alberta, Edmonton (\$100), for research on the role of behavior in determining the spacing of duck nests; and to James A. Redfield, University of Alberta, Edmonton (\$250), for studies on biochemical polymorphism in the Blue Grouse.

The Committee on Student Awards announced Marcia Brady Tucker travel awards to four students providing them with travel support to the A.O.U. meeting at Fayetteville. Recipients were James R. Karr of the University of Illinois, Champaign (\$100); Herman H. Shugart, University of Georgia, Athens (\$135); F. Gary Stiles, University of California, Los Angeles (\$190); and Charles G. Yarbrough, University of Florida, Gainesville (\$175). One-year Memberships in the A.O.U. were awarded to 37 students (28 graduates, 3 seniors, 3 juniors, 2 sophomores, and 1 freshman) who were enrolled in 33 institutions in 24 states and provinces.

*Amendments to the Bylaws.*—An addition to the Bylaws was considered by the Council and the Fellows. Preliminary approval was given by the Fellows. Final action will be taken on this proposed addition at the 1970 meeting of the Fellows.

This amendment is proposed for addition to Article IV, Section 6 of the Bylaws of the A.O.U. It is intended for insertion immediately before the last sentence of the first paragraph of the section.

“If the vacancies agreed upon to be filled are not filled on the first ballot, a second ballot may be taken, provided a majority of the Fellows and Elective Members voting so direct. Each Fellow and Elective Member present may vote for as many nominees not elected on the first ballot, as vacancies remain to be filled, and to the extent of such vacancies those candidates receiving the highest number, if a majority of the votes cast, shall be declared elected.”

*Brewster Memorial Award.*—The Fellows meeting on 1 September adopted a resolution which increased the period of eligibility of a work, or group of related works, from 6 years to 10 years. Detail of this change appears in the Proceedings of the Eighty-sixth Stated Meeting of the A.O.U. (Auk, 86: 111, 1969).

The Council decided to make no Brewster Memorial Award in 1969.

*Membership.*—Membership at the time of the annual meeting stood at 3,250. Following elections, numbers in the several classes were:

Members .....	2,809
Student Members .....	37
Elective Members .....	209
Fellows .....	92
Honorary Fellows .....	20
Corresponding Fellows .....	73
Honorary Life Elective Members .....	5
Honorary Life Members .....	5

Total membership includes 1 Benefactor, 36 Patrons (18 living), 437 Life Members, 77 Life Elective Members, and 40 Life Fellows. During the year the officers learned of the death of 3 Fellows, 2 Fellow Emeritus, 7 Elective Members, 33 Members, 1 Honorary Fellow, and 1 Corresponding Fellow:

Elsa G. Allen, Elective Member  
 Claude T. Barnes, Honorary Life Member  
 Palmer T. Beaudette, Life Member  
 Millicent T. Bingham, Member  
 Eliot Blackwelder, Honorary Life Member  
 Harold Child Bryant, Elective Member  
 L. B. Carson, Member  
 Carlyle D. Chamberlain, Member  
 Philip T. Coolidge, Member  
 Georgij P. Dementiev, Honorary Fellow

Elise M. Dickerson, Member  
 Robert J. Dunbar, Member  
 Henry S. Forbes, Member  
 Henry Fowler, Honorary Life Member  
 Charles Barnes Gardiner, Honorary Life Member  
 Fred T. Hall, Member  
 Watson B. Hastings, Member  
 H. O. Havemeyer, Honorary Life Member  
 P. S. Howe, Life Member  
 William M. Hughes, Life Member  
 Francis L. Jaques, Elective Member  
 Junea W. Kelly, Elective Member  
 Joel Kuperberg, Member  
 Chester C. Lamb, Honorary Life Elective Member  
 Hugh C. Land, Member  
 George R. Learing, Life Member  
 Jean M. Linsdale, Fellow Emeritus  
 William H. Matthews, Jr., Member  
 Olive Moody, Life Member  
 John Paul Moore, Member  
 Thomas F. T. Morland, Member  
 John R. Pemberton, Fellow  
 Rudulfo Amando Philippi, Corresponding Fellow  
 James A. G. Rehn, Honorary Life Member  
 Francis J. Rolle, Life Member  
 Oscar M. Root, Life Member  
 J. Stuart Rowley, Member  
 Albert B. Schultz, Jr., Life Member  
 Warner Seely, Member  
 L. L. Snyder, Fellow  
 Ruth A. Sumner, Life Member  
 Lewis McIver Terrill, Elective Member  
 Walter S. Terry, Member  
 W. E. Clyde Todd, Fellow Emeritus  
 Edvard C. Ulrich, Member  
 William W. Vogt, Elective Member  
 Francis Marion Weston, Fellow

In the meetings on 1 September the following were elected to special classes of membership in the A.O.U.:

## FELLOW

Frank C. Bellrose, Jr.  
 Robert T. Orr  
 Lester L. Short, Jr.  
 Glen E. Woolfenden

## HONORARY FELLOW

K. H. Voous (Netherlands)

## PATRON

Thomas C. Desmond  
 Burt L. Monroe, Sr.  
 John T. Nichols

## CORRESPONDING FELLOW

G. V. T. Matthews (England)  
 Augusto Ruschi (Brazil)  
 D. W. Snow (England)

## ELECTIVE MEMBER

Peter L. Ames	William G. George
Laurence C. Binford	Lyndon L. Hargrave
Gorman M. Bond	Ed N. Harrison
Richard D. Brewer	Carl Helms
Alan H. Brush	Joseph R. Jehl, Jr.
Mary H. Clench	J. David Ligon
Charles T. Collins	Douglass H. Morse
Stephen W. Eaton	Helmut C. Mueller
Alfred E. Eynon	John L. Zimmerman

*Finances.*—Cyrus Mark, Chairman of the Investing Trustees, reported the appraised value of the endowment holdings to be \$241,218.77. This includes an \$11,000 addition and a decline of 11.1 per cent in fiscal 1968 reflecting the state of both the stock and the bond markets in mid-1969. Investment income collected amounted to \$9,778.77, an increase of \$925.97 over fiscal 1968.

The Council reelected Investing Trustees Cyrus Mark, Chairman, Turner Biddle, and Arlie W. Schorger.

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

*Editorial matters.*—Oliver L. Austin, Jr., Editor of *The Auk*, reported Volume 86 (1969) would contain nearly 900 pages compared to the 796 total printed pages in 1968. Publication time lags for major articles run from 9 to 15 months. These compare favorably with lags of other technical journals with comparably thorough referencing and editing. Rejections run about 35 per cent of manuscripts received. The 10-year index for 1951–60 has gone to press and Editor Austin reports that its Indexer, Col. L. R. Wolfe, has agreed to begin work immediately on the index for 1961–70. The Council reelected Dr. Austin the Editor of *The Auk*.

Robert W. Storer, Editor of the *Ornithological Monographs*, reported that in the past year two monographs were published: "A distributional survey of the birds of Honduras" by Burt L. Monroe, Jr., and "An approach to the study of ecological relationships among grassland birds" by John A. Wiens. A third, entitled "Mating systems, sexual dimorphism, and the role of male North American passerines in the nesting cycle" by Jared Verner and Mary F. Willson was in page proof in September 1969. Robert W. Storer, the original Editor of the *Ornithological Monographs* retired and the Council elected Robert M. Mengel to succeed him.

Ralph S. Palmer, Editor of "The handbook of North American birds" presented to the Council an optimistic report on progress with Volume 2, which covers the Anseriformes.

Eugene Eisenmann, Chairman of the Committee on Classification and

Nomenclature of North American Birds reported on progress with the sixth edition of the A.O.U. "Check-list of North American birds." He revealed that great interest has been shown by ornithologists in plans to extend checklist coverage through Panama, thus including all of geographic North America. Publication is anticipated in about 5 years.

*Election of officers.*—At the meeting of Fellows and Elective Members, John W. Aldrich was reelected President; Donald S. Farner was advanced to First Vice-President; S. Charles Kendeigh was elected Second Vice-President; Richard C. Banks was elected Secretary; and Burt L. Monroe, Jr., was reelected Treasurer. Elected to 3-year terms on the Council were L. Richard Mewaldt, Kenneth C. Parkes, and Harrison B. Tordoff.

#### ATTENDANCE

Registration at the meeting totaled 283 people: from the Canal Zone (2), 3 provinces of Canada (11), and 35 states and the District of Columbia of the U.S.A. (270).

CANADA—*Alberta*: E. O. Hohn. *Ontario*: J. L. Baillie, Dr. and Mrs. J. C. Barlow, Mr. and Mrs. R. E. Chandler, J. A. Dick, A. J. Erskine, Hoyes Lloyd, R. D. Lockwood, Ron Orenstein, D. M. Power. *Newfoundland*: L. M. Tuck.

CANAL ZONE: J. R. Karr, Horace Loftin.

UNITED STATES—*Alabama*: A. K. Bates, T. A. Imhof, M. L. Miles, Mrs. D. O. Wright. *Alaska*: Brina Kessel. *Arizona*: R. P. Balda, Mrs. Herbert Carnes, Steven Carothers, P. J. Gould, Mr. and Mrs. L. L. Hargrave, R. R. Johnson, Dr. and Mrs. S. M. Russell, Martha Wolford. *Arkansas*: C. R. Amason, Ruth M. Armstrong, H. E. Barton, D. A. Becker, Ronald Beumer, Sue Carter, Jay Clark, Neppie L. Conner, Mrs. Thase Daniel, Diane Dearasaugh, Thomas Foti, Mr. and Mrs. H. K. Fowler, P. S. Gibson, D. K. Goering, W. C. Guest, Mr. and Mrs. H. N. Halberg, J. R. Haldeman, E. L. Hanebrink, T. H. Holder, Patrick Ireland, Dwight Ittner, Dr. and Mrs. Douglas James, R. M. Jenkins, H. C. Johnston, Lew Johnston, P. M. Johnston, Louise R. Kraemer, D. W. Martin, Mrs. Jim Miller, Mr. and Mrs. D. M. Moore, Larry Olmsted, M. D. Parker, Forrest Payne, R. A. Pierce, A. F. Posey, Arlo Raim, Douglas Reagan, Gene Rush, Mrs. W. P. Scarlett, J. A. Sealander, James Spotila, Mrs. H. S. Stern, Ruth H. Thomas, Jerome Wenger, Jo Ann Whitlatch, Steve Wilson, Virginia G. Wirtz, J. L. York.

*California*: Mrs. H. C. Austin, L. C. Binford, Don Bleitz, Mr. and Mrs. Gerald Collier, C. T. Collins, E. R. Greene, J. W. Hardy, T. R. Howell, J. R. Jehl, Jr., N. K. Johnson, John Mewaldt, Dr. and Mrs. L. R. Mewaldt, R. D. Ohmart, Carol A. Pearson, C. J. Ralph, G. F. Stiles. *Colorado*: Mr. and Mrs. W. W. Brockner, W. A. Davis, Leo Heugly, Nancy A. Hurley, E. R. Kalmbach. *Connecticut*: Walter Bulmer, Ben King, R. T. Peterson. *District of Columbia*: Dr. and Mrs. R. C. Banks, A. J. Duvall, F. G. Evenden, Dr. and Mrs. Alexander Wetmore, P. W. Woodward, R. L. Zusi. *Florida*: Dr. and Mrs. O. L. Austin, Jr., Mr. and Mrs. W. W. Baker, Pierce Brodkorb, Brian Harrington, H. W. Kale, II, Mr. and Mrs. Fred Lohrer, J. C. Ogden, W. B. Robertson, Jr., J. H. Schnell, R. W. Schreiber, H. M. Stevenson, Carole F. Sumner, P. W. Sykes,

Jr., Susan C. White, G. E. Woolfenden, C. G. Yarbrough. *Georgia*: Mr. and Mrs. K. P. Able, S. A. Gauthreaux, Jr., J. P. McMillan, H. H. Shugart, Jr.

*Idaho*: Dr. and Mrs. C. H. Trost. *Illinois*: P. L. Ames, K. E. Bartel, E. R. Blake, Brian Cain, Dr. and Mrs. S. C. Kendeigh, R. J. Lederer, Eugene LeFebure, M. G. McHenry, Dr. and Mrs. A. L. Rand, William Shepherd, Mr. and Mrs. W. D. Vasse, R. L. Will. *Indiana*: Bill Forsyth. *Iowa*: Mr. and Mrs. F. J. Pierce, Dr. and Mrs. M. W. Weller. *Kansas*: G. W. Blankespoor, R. M. Case, C. W. Comer, Stephen Fretwell, Dr. and Mrs. P. S. Humphrey, Mr. and Mrs. J. A. Jackson, Dr. and Mrs. Richard Johnston, R. D. Klemm, W. J. Klitz, D. M. Niles, J. W. Parker, Mr. and Mrs. D. F. Parmelee, R. J. Robel, J. D. Robins, Sievert Rohwer, T. G. Shane, J. L. Tatschl, J. L. Zimmerman. *Kentucky*: Dr. and Mrs. B. L. Monroe, Jr. *Louisiana*: T. A. Burns, R. B. Hamilton, H. H. Jeter, Dr. and Mrs. G. H. Lowery, Jr., Dr. and Mrs. E. B. McLean, Dr. and Mrs. R. J. Newman, J. P. O'Neill, S. O. Williams, III.

*Maryland*: Earl Baysiner, C. L. Casher, L. L. Hood, S. L. Olson, C. S. Robbins, Dr. and Mrs. Francis Williamson. *Massachusetts*: James Baird, F. W. Davis. *Michigan*: Mr. and Mrs. Curt Adkisson, Mr. and Mrs. J. A. Cheek, II, Jean W. Cohn, C. D. Fisher, E. D. Greij, B. G. Murray, Jr., Mr. and Mrs. H. H. Prince, J. G. Strauch, Jr., H. B. Tordoff. *Missouri*: Mr. and Mrs. L. H. Fredrickson, W. R. Goodge, J. A. Mulligan, H. W. Williams. *Nebraska*: John Crawford, Mike Haddix, L. C. Holcomb, Mr. and Mrs. John Lueshen, R. S. Sharpe. *New Hampshire*: Peter Stettenheim. *New Jersey*: Mr. and Mrs. R. W. Colburn. *New Mexico*: J. D. Ligon, R. J. Raitt. *New York*: Dean Amadon, Robert Andrle, H. H. Axtell, Walter Bock, R. C. Clement, Joel Cracraft, Eugene Eisenmann, S. T. Emlen, W. E. Lanyon, Mr. and Mrs. H. D. Mitchell, R. S. Palmer, James Tate, Jr., J. A. Walker, R. G. Wolk. *North Carolina*: C. H. Blake, H. T. Hendrickson, H. C. Mueller, J. F. Parnell. *North Dakota*: L. W. Oring.

*Ohio*: Miriam Bell, Mrs. R. V. D. Booth, Dr. and Mrs. A. S. Gaunt, Dr. and Mrs. E. W. Martin, Mr. and Mrs. H. F. Mayfield, Mr. and Mrs. J. W. Parrish, Carol Votava. *Oklahoma*: Dr. and Mrs. B. W. Anderson, W. A. Carter, J. K. DeVore, Mr. and Mrs. Grover Epperly, Mrs. Charles Frichot, Mame K. Gliner, Mrs. G. T. Hendricks, Mrs. Desmond Isted, D. J. Jones, Marsha Landolt, L. P. Mays, J. H. McCardell, Mrs. Walter McKinney, Mrs. J. F. Messerly, Mr. and Mrs. J. L. Norman, R. B. Payne, L. A. Pulliam, Mr. and Mrs. H. M. Smith, Lydia Sitz, Gloria Sullivan, G. M. Sutton, Mrs. P. D. Whitson. *Pennsylvania*: L. B. Barnett, Mary H. Clench, F. B. Gill, R. D. Milliron, K. C. Parkes. *South Dakota*: T. C. Dunstan, Dr. and Mrs. Byron Harrell, Leonard Smith. *Tennessee*: F. J. Alsop, III, Mr. and Mrs. B. B. Coffey, Jr., Mrs. E. W. Goodpasture, J. C. Howell, G. O. Wallace. *Texas*: Leticia Alamia, Mr. and Mrs. Howard Freemyer, Pauline James, O. B. Kok, Dr. and Mrs. E. D. Michael, C. J. Mitchell, Dr. and Mrs. Ralph Moldenhauer, J. J. Ramsey, R. R. Roth, Kent Rylander, Dr. and Mrs. G. D. Schnell, J. L. Spinks, Don Woodard. *Utah*: Dr. and Mrs. W. H. Behle, A. W. Stokes. *Virginia*: Dr. and Mrs. J. W. Aldrich, Mr. and Mrs. Charles Blem, J. P. Hubbard, Roxie C. Laybourne. *Wisconsin*: F. H. Blackmore, Dr. and Mrs. Jay Dykstra, J. T. Emlen, Jr., C. A. North, D. H. Thompson, Emil Urban.

#### PUBLIC SESSIONS

The opening session and the papers sessions were held in the University Theatre in the Fine Arts Center on the mornings and afternoons of three successive days beginning Tuesday, 2 September. Concurrent papers sessions were held in the Concert Hall of the Fine Arts Center on Tuesday afternoon and Wednesday morning.

## TUESDAY MORNING SESSION

Douglas James, Chairman of the Local Committee on Arrangements, introduced Vice-President Charles W. Oxford of the University of Arkansas who welcomed the A.O.U. to the University and to Fayetteville. President John W. Aldrich responded for the American Ornithologists' Union. Secretary L. Richard Mewaldt summarized the business sessions of the previous day, including elections.

The following papers were then presented:

- Pleistocene differentiation in the aridlands avifauna of North America. JOHN P. HUBBARD, Rockbridge Alum Springs Biological Laboratory, Goshen, Virginia.
- Effects of postglacial climatic changes on middle American avian distribution, with special reference to the genus *Arremonops*. BURT L. MONROE, JR., Department of Biology, University of Louisville, Kentucky.
- Distribution of seabirds in relation to surface waters in the equatorial eastern Pacific. PATRICK J. GOULD, Pacific Ocean Biological Survey, Smithsonian Institution, Washington, D. C.
- Pesticides and reproductive success of pelicans and cormorants in California and northern Baja California. JOSEPH R. JEHL, JR., Natural History Museum, San Diego, and ROBERT W. RISEBROUGH, Institute of Marine Science, University of California, Berkeley.
- Status of the Brown Pelican in the United States. RALPH W. SCHREIBER, Department of Zoology, University of South Florida, Tampa, and ROBERT W. RISEBROUGH, Institute of Marine Resources, University of California, Berkeley.
- Range extension of the Roadrunner in Arkansas. DOUGLAS JAMES, Department of Zoology, University of Arkansas, Fayetteville.
- On the autumn migration of the Blackpoll Warbler. BERTRAM G. MURRAY, JR., Department of Natural Science, Michigan State University, East Lansing.
- Differential niche utilization in Henslow's Sparrow. JEROME D. ROBINS, Museum of Natural History, University of Kansas, Lawrence.
- Golden Eagle and the livestock industry in west Texas. LEO G. HEUGLY, Colorado Cooperative Wildlife Research Unit, Colorado State University, Fort Collins.

## TUESDAY AFTERNOON SESSIONS

- A method for deriving absolute population data from transect counts. JOHN T. EMLEN, University of Wisconsin, Madison.
- Ecological succession of breeding bird populations in northwestern Arkansas. HERMAN HENRY SHUGART, JR., Department of Zoology, University of Georgia, Athens.
- Some aspects of avian succession in Illinois. ROLAND R. ROTH, Department of Zoology, University of Illinois, Champaign.
- Some comparisons of avian aggregations in temperate and tropical habitats. JAMES R. KARR, Department of Zoology, University of Illinois, Champaign.
- Effects of spring leaf-fall on the breeding birds of two Arizona woodlands. RUSSELL P. BALDA, Department of Biology, Northern Arizona University, Flagstaff.
- Blue Jays, nest predation, and the regulation of breeding bird densities. STEPHEN FRETWELL, Division of Biology, Kansas State University, Manhattan.
- The role of Starling poxvirus as a factor in producing mortality in wild populations. FRANCIS S. L. WILLIAMSON, Chesapeake Bay Center for Field Biology, Smithsonian Institution, Edgewater, Maryland.
- The possible role of behavior in regulating Prairie Chicken and Black Grouse populations. ROBERT J. ROBEL, Division of Biology, Kansas State University, Manhattan.

- The effect of researchers on the breeding success of gulls. C. JOHN RALPH, Point Reyes Bird Observatory, Bolinas, California.
- Nest mortality suffered by a colony of Yellow-headed Blackbirds in western Nevada. THOMAS A. BURNS, Department of Biological Sciences, Northwestern State College of Louisiana, Natchitoches.
- Phreatophyte control and effects on bird populations in central Arizona. STEVEN W. CAROTHERS, Museum of Northern Arizona, Flagstaff, and R. ROY JOHNSON, Center for Anthropological Studies, Prescott, Arizona.
- Magnificent Frigatebirds nesting in southern Florida. ALEXANDER SPRUNT, IV, National Audubon Society, Tavernier, Florida, JOHN C. OGDEN, and WILLIAM B. ROBERTSON, JR., National Park Service, Homestead, Florida.
- Immediate effects of hardwood removal and prescribed burning on bird populations. EDWIN D. MICHAEL, Biology Department, Stephen F. Austin College, Nacogdoches, Texas, and PATRICK I. THORNBURGH, Department of Zoology, Arizona State University, Tempe.
- Comparative gross morphology of the appendicular musculature of some Ciconiiformes. JAMES C. VANDEN BERGE, Department of Veterinary Anatomy, University of Minnesota, St. Paul.
- Altitudinal color variation in the Reunion Island White-eye, *Zosterops borbonica*. FRANK B. GILL, Museum of Zoology, University of Michigan, Ann Arbor.
- Cranial morphology and feeding methods of the Akepa, *Loxops coccinea*. WALTER J. BOCK, Department of Zoology, Columbia University, New York, and LAWRENCE P. RICHARDS, Department of Biology, Eastern Michigan University, Ypsilanti.
- Analysis of hindlimb locomotion in the Domestic Pigeon. JOEL CRACRAFT, American Museum of Natural History, New York.
- A pigmented apterium in the wing of *Anhinga*. WILLIAM G. GEORGE, Department of Zoology, Southern Illinois University, Carbondale.
- The influence of sex hormones on plumages and molts of the Blue-winged Teal, *Anas discors*. ELDON D. GREIJ, Department of Biology, Hope College, Holland, Michigan.
- Arrested molt in two populations of Sooty Terns. BRIAN A. HARRINGTON, Department of Zoology, University of South Florida, Tampa.
- Plumages of the Wood Duck, *Aix sponsa*. RALPH S. PALMER, New York State Museum and Science Service, Albany.
- An anomalous molt and breeding cycle in a Trinidadian swift. CHARLES T. COLLINS, California State College, Long Beach.
- Functional anatomy of sandpipers. MICHAEL KENT RYLANDER, Texas Tech University, Lubbock.

## WEDNESDAY MORNING SESSIONS

- Daily variation in deep-body temperature of Red-winged Blackbirds as measured by radio-telemetry. ELDEN W. MARTIN, Department of Biology, Bowling Green State University, Bowling Green, Ohio.
- Changes in the body temperature of the Chimney Swift (*Chaetura pelagica*) at lowered environmental temperatures. JED J. RAMSEY, Department of Biology, Lamar State College of Technology, Beaumont, Texas.
- Behavioral responses to temperature in the Cormorant (*Phalacrocorax carbo*) in Ethiopia. T. G. JEFFORD, W. J. MURPHY, and EMIL K. URBAN, Department of Biology, Haile Selassie I University, Addis Ababa, Ethiopia.
- Adaptations of Horned Larks to hot environments. CHARLES H. TROST, Department of Zoology, Idaho State University, Pocatello.
- The development of endothermy in nestling Gray-crowned Rosy Finches (*Leucosticte*

- tephrocotis griseonucha*). CHARLES G. YARBROUGH, Department of Zoology, University of Florida, Gainesville.
- Water turnover in Roadrunners using tritium oxide. R. D. OHMART, Department of Zoology, TOM E. CHAPMAN, and LARRY Z. MCFARLAND, School of Veterinary Medicine, University of California, Davis.
- Nitrogen and energy balance of Slate-colored Juncos (*Junco hyemalis*) fed supplemented wheat diets. JOHN W. PARRISH, JR., Department of Biology, Bowling Green State University, Bowling Green, Ohio.
- Nesting behavior and temperature relations of the Garuma or Gray Gull (*Larus modestus*). THOMAS R. HOWELL, Department of Zoology, University of California, Los Angeles.
- A phenetic study of the Suborder Lari using various techniques of numerical taxonomy. GARY D. SCHNELL, Department of Zoology, University of Texas, Austin.
- Electrophoretic study on the relationship of the wood thrush. HERBERT T. HENDRICKSON, Department of Biology, University of North Carolina, Greensboro.
- Anatomical evidence for the determination of relationships among woodpeckers. WILLIAM R. GOODGE, Department of Anatomy, University of Missouri, Columbia.
- Baptornis advenus*: new information on a Cretaceous Hesperornithiformes. JAMES TATE, JR., Cornell Laboratory of Ornithology, Ithaca, New York.
- The trachea—a systematic character in the Cracidae? DEAN AMADON, American Museum of Natural History, New York.
- A quantitative study of the hybrid zone between the Australian ringneck parrots *Barnardius zonarius* and *B. barnardi*. CHARLES D. FISHER, Museum of Zoology, University of Michigan, Ann Arbor.
- What is *Empidonax traillii* (Audubon)? EUGENE EISENMANN, American Museum of Natural History, New York.
- Systematics and distribution of the *Rallus longirostris-elegans* complex. STORRS L. OLSON, Chesapeake Bay Center for Field Biology, Smithsonian Institution, Edgewater, Maryland.

WEDNESDAY AFTERNOON SESSION

Symposium on the House Sparrow (*Passer domesticus*) and the European Tree Sparrow (*Passer montanus*)

Arranged by S. CHARLES KENDEIGH

- Introduction, spread, and present relative abundance of the House Sparrow in North America. CHANDLER S. ROBBINS, U. S. Fish and Wildlife Service, Laurel, Maryland.
- Intralocality character dimorphism in House Sparrows. RICHARD F. JOHNSTON, Museum of Natural History, University of Kansas.
- Variability in the body pterylosis of *Passer domesticus* and allies. MARY HELMERDINGER CLENCH, Carnegie Museum, Pittsburgh, Pennsylvania.
- Geographic variation of House Sparrows in Ontario. JAMES A. DICK, Royal Ontario Museum, Toronto, Ontario.
- The empirical population genetics of North American House Sparrows. WILLIAM J. KLITZ, Department of Systematics and Ecology, University of Kansas, Lawrence.
- Comments on the biology of the North American population of the European Tree Sparrow, *Passer montanus*. JON C. BARLOW, Royal Ontario Museum, Toronto, Ontario.
- Determination of the low resting critical pressure of the House Sparrow. CAROL L.

- VOTAVA, Department of Biology, Bowling Green State University, Bowling Green, Ohio.
- Seasonal changes in temperature acclimatization of the House Sparrow. L. BRUCE BARNETT, Waynesburg College, Waynesburg, Pennsylvania.
- Geographic variation in the bioenergetics of House Sparrows. CHARLES R. BLEM, Department of Zoology, University of Illinois, Champaign.
- Seasonal variation in the energetics of molt in captive outdoor House Sparrows. FLOYD H. BLACKMORE, Department of Biology, Wisconsin State University-Platteville, Richland Center.
- Regulation of food intake by House Sparrows. S. CHARLES KENDEIGH, Department of Zoology, University of Illinois, Champaign.
- House Sparrow nesting activity in the Texas High Plains and breeding House Sparrows in captivity. CARL J. MITCHELL, National Communicable Disease Center, U. S. Department of Health, Education, and Welfare, Plainview, Texas.
- Breeding success, numbers, and movements of House Sparrows at McLeansboro, Illinois. RAYMOND L. WILL, Department of Zoology, University of Illinois, Champaign.
- Movement patterns of House Sparrow populations in Oklahoma. C. A. NORTH, Department of Biology, Wisconsin State University, Whitewater.

## THURSDAY MORNING SESSION

- Bird migration: influence of physiological state upon celestial orientation. STEPHEN T. EMLEN, Section of Neurobiology and Behavior, Cornell University, Ithaca, New York.
- The movements, activities, and night roosts of a radio-tagged Cooper's Hawk: a preliminary study. JAY H. SCHNELL, Tall Timbers Research Station, Tallahassee, Florida.
- Courtship feeding in gallinaceous birds. ALLEN W. STOKES, Department of Wildlife Resources, Utah State University, Logan.
- Courtship feeding in Red Junglefowl (*Gallus gallus*). ALLEN W. STOKES, Department of Wildlife Resources, Utah State University, Logan, and H. W. WILLIAMS, Department of Biology, Westminster College, Fulton, Missouri.
- Conservation Committee report. FRED G. EVENDEN, Chairman, The Wildlife Society, Washington, D. C.
- Size dimorphism and food habits of North American owls. CAROLINE M. EARHART and NED K. JOHNSON, Museum of Vertebrate Zoology, University of California, Berkeley.
- Continuous 14-day observation of a Sanderling's nest in Arctic Canada. DAVID F. PARMELEE, Department of Biology, Kansas State Teacher's College, Emporia.
- Selection for nesting time in the Dickcissel: effect of Cowbird parasitism and predators. JOHN L. ZIMMERMAN, Division of Biology, Kansas State University, Manhattan.
- New information on Short-Tailed Hawks in Florida. JOHN C. OGDEN, Everglades National Park, Homestead, Florida.
- Prolonged incubation behavior of Red-winged Blackbird incubating several egg sizes. LARRY C. HOLCOMB, Department of Biology, Creighton University, Omaha, Nebraska.

## THURSDAY AFTERNOON SESSION

- Foraging behavior of Downy Woodpeckers. JEROME A. JACKSON, Museum of Natural History, University of Kansas, Lawrence.
- The social structure of Florida Scrub Jays. GLEN E. WOOLFENDEN, Department of Zoology, University of South Florida, Tampa, and PETER W. WESTCOTT, Department of Zoology, University of Florida, Gainesville.

- Preliminary comparative observations on the behavior and external morphology of the middle American Black and Blue Jays ("*Cissilopha*"). JOHN WILLIAM HARDY, Moore Laboratory of Zoology, Occidental College, Los Angeles, California.
- Reproductive behavior of captive Sulphur-crested Cockatoos (*Kakatoe galerita*). CAROLE F. SUMNER, Department of Biological Sciences, University of South Florida, Tampa.
- Comparison of the separation calls of young Galliformes. H. W. WILLIAMS, Department of Biology, Westminster College, Fulton, Missouri, and ALLEN W. STOKES, Department of Wildlife Resources, Utah State University, Logan.
- Specificity and function of the common call of the Song Sparrow (*Melospiza melodia*). JAMES A. MULLIGAN, Department of Biology, St. Louis University, St. Louis, Missouri.
- Feeding chases in the Adélie Penguin (*Pygoscelis adeliae*). DAVID H. THOMPSON, Department of Zoology, University of Wisconsin, Madison.
- Hunger, Killing, and the specificity of drives in the Sparrow Hawk. HELMUT C. MUELLER, Department of Zoology, University of North Carolina, Chapel Hill.
- Mimicry and relationships in the parasitic African Indigobirds (*Vidua*). ROBERT B. PAYNE, Department of Zoology, University of Oklahoma, Norman.
- Development of the Roadrunner (*Geococcyx californianus*). MARTHA WHITSON, Department of Zoology, University of Oklahoma, Norman.
- Hand-rearing passerine birds for research. WESLEY E. LANYON and VERNIA H. LANYON, American Museum of Natural History, New York.

#### SPECIAL EVENTS

A reprocessed film "Birds of Laysan Island" taken by Donald R. Dickey on the Tanager Expedition in 1923 was presented with commentary by Thomas R. Howell. After the showing, Alexander Wetmore, who was a principal scientist on that expedition, responded to questioning from the audience of more than 200 persons.

Wednesday evening George M. Sutton presented a gallery talk to more than 200 people assembled in the Gallery of the Fine Arts Center where many of Dr. Sutton's paintings and drawings were displayed. A fine collection of wildlife photographs by Thase Daniel remained on exhibit in the lounge of Yocum Hall throughout the meeting.

#### SOCIAL EVENTS

The Council and Fellows had their Symposium and Dinner Monday evening at the Holiday Inn Restaurant. The ladies enjoyed a tour of the Ozark Craft and Clothesline Fair at Prairie Grove Battlefield Park Monday afternoon, a tea in the lounge of Brough Commons Tuesday afternoon, and a tour of contemporary Ozark homes on Wednesday afternoon.

On Wednesday evening the Local Committee staged a well provided and well attended "informal get-together" in the Flame Room of the Downtown Motor Lodge. The Annual Banquet, in the Ballroom of the Student Union, featured the talented Jimmy Driftwood whose mastery of a variety of stringed instruments and of Ozark Mountain music was the highlight.

## FIELD TRIPS

Two all-day field trips were staged on Friday following the formal sessions. Douglas James took more than 40 persons on a charter bus trip featuring the ecology and geology of the region. They visited the scenic Boston Mountains of the Ozark National Forest, the summit country of the Ozark Plateau. Roadrunners and Scissor-tailed Flycatchers were among the highlights.

Frances James led about 70 persons on an 8-mile canoe trip between towering cliffs of the beautiful Buffalo River through Buffalo River State Park to the landing at the abandoned mining town of Rush. Swift riffles, long pools, two refreshing swims, and Pileated Woodpeckers highlighted the all-day trip.

## RESOLUTIONS

The following resolutions prepared by the Resolutions Committee (Thomas R. Howell, Chairman, Dean Amadon, Walter J. Bock, and Fred G. Evenden) were adopted at the General Session of the Union on Thursday afternoon 4 September 1969.

RESOLUTION NUMBER 1.—*Whereas* the American Ornithologists' Union has held its 87th Stated Meeting at Fayetteville, Arkansas at the invitation of the University of Arkansas and the Arkansas Audubon Society, and has met in that state for the first time in the Union's history, and

*Whereas* the American Ornithologists' Union has utilized the University's excellent facilities and has enjoyed outstanding exhibits of ornithological art, exemplary arrangements for all activities, a fine scientific program, and especially the traditional warm hospitality of the region, now

*Therefore* be it resolved that the American Ornithologists' Union expresses its sincere appreciation to the sponsoring organizations, the many volunteer assistants, and particularly the local committee on arrangements under the leadership of Professor Douglas A. James.

RESOLUTION NUMBER 2.—*Be it resolved* that the American Ornithologists' Union expresses its appreciation to the following for their special efforts in the conservation of natural resources:

1. The Amalgamated Meat Cutters and Butchers Workmen of North America, AFL-CIO, for their support of national legislation to prohibit introduction into the United States of species of animals in danger of extinction in their native habitat.

2. Representatives Morris K. Udall and Thomas S. Foley for bringing to their colleagues and constituents an increased awareness of environmental problems through creation of the "Population Trends and Environmental Policy" information service.

That the Secretary of the American Ornithologists' Union shall be instructed to convey the Union's appreciation to the organization and individuals named above.

*Be it further resolved* that the American Ornithologists' Union commends with gratitude

1. The increasing number of public officials who have demonstrated recognition of the critical importance of reduction of environmental pollution in all forms and of all efforts to evaluate, protect, and improve the quality of the environment.

2. The National Audubon Society, National Wildlife Federation, Izaak Walton

League of America, National Parks Association, Wilderness Society, Nature Conservancy, Sierra Club, and other similar organizations for their extensive and successful efforts to bring problems of environmental conservation before the general public.

RESOLUTION NUMBER 3.—*Whereas* the Traill's Flycatcher first was discovered in the prairies of eastern Arkansas by John James Audubon in 1822, and

*Whereas* this prairie area subsequently was developed intensively for agriculture, and

*Whereas* near Slovak, Arkansas, there exists the only known sizable population of Traill's Flycatcher still present in the type locality, and

*Whereas* it is important to science to preserve natural populations of organisms in the respective type localities,

*Therefore be it resolved* that the American Ornithologists' Union meeting at Fayetteville, Arkansas, commends Mr. Sam Konecny for preserving, on his farm, the nesting habitat of the Traill's Flycatcher in its natural state.

RESOLUTION NUMBER 4.—*Be it resolved* that the American Ornithologists' Union, holding its 87th stated meeting in Fayetteville, Arkansas, 1-5 of September 1969, commends Senators J. William Fulbright and John L. McClellan for introducing a bill into the Senate to establish the Buffalo River as a national wild river, and further commends the U. S. Senate for passing this bill by unanimous voice vote.

*Be it further resolved* that the American Ornithologists' Union strongly urges the House of Representatives to pass this legislation without delay and that President Richard M. Nixon sign the bill into law so that the wildlife and scenic features of the Buffalo River may be preserved for all time.

*Be it resolved* that, the American Ornithologists' Union expresses its deep concern over proposals that will have adverse effects on natural habitats that should be kept inviolate from such intrusion or disturbance. Among these are Everglades National Park, jeopardized in its entirety by the proposed Miami Jetport and accompanying developments, as well as by other water diversion and land development projects in peninsular Florida "upstream" from the park.

RESOLUTION NUMBER 5.—*Whereas* the American Ornithologists' Union, concerned with the protection and conservation of the avifauna of the world and with the ever increasing pollution of the environment, views the continued use of DDT and certain other chlorinated hydrocarbons as the major immediate threat to the continued survival of numerous species of birds, notably birds of prey and fish-eating birds, because of these pesticides' persistence and their tendency to accumulate in increasing concentrations as they pass through organisms in the food chain; and

*Whereas* high concentrations of DDT and other chlorinated hydrocarbons in the food of fish-eating birds and birds of prey effectively nullify all current efforts being made to conserve these species; and

*Whereas* the Bald Eagle, our national symbol, is threatened with rapid extinction unless levels of DDT and other chlorinated hydrocarbons in the environment are drastically reduced; and

*Whereas* injurious effects resulting from DDT and certain other chlorinated hydrocarbons have been demonstrated for other vertebrates, including man, and for diverse groups of invertebrates and plants; and

*Whereas* the seeming advantages of the use of these pesticides in reducing human sickness and in increasing crop yield have been markedly counterbalanced because of their increasing contamination of the world environment, notably the oceans to which mankind is looking for new sources of food, because of the selection of pesticide resistant strains of insects, and because of the adverse influence of DDT on the search

for biological methods of insect control and on the development of pesticides with a shorter active life and with reduced effects on beneficial organisms;

*Therefore be it resolved* that the American Ornithologists' Union strongly urges the President and Congress of these United States and the Governors and legislatures of the individual states to take immediate steps to ban at once and unconditionally the manufacture and use in, and the exportation from, the United States and its territories and possessions, of DDT and all pesticides with long persistence and the tendency to concentrate in those organisms at higher levels in the food chain; and,

*Be it further resolved* that the American Ornithologists' Union strongly urges, the President and Congress of these United States to use their good offices to encourage other countries to ban the manufacture and use of DDT and other long-persisting chlorinated hydrocarbons, and to assist these nations in the search for pesticides that will not contribute to the pollution of the world environments; and further,

The membership of the American Ornithologists' Union instructs the Secretary of the Union to send a copy of this resolution to the President of the United States, members of his Cabinet, the Speaker of the House of Representatives, the President of the Senate, and other leaders of Congress, and the Governors of and the leaders of the legislatures of the individual states.

OFFICIALS OF THE AMERICAN ORNITHOLOGISTS' UNION FOR 1969-70

OFFICERS

	Expiration of Term
John W. Aldrich, <i>President</i> .....	1970
Donald S. Farner, <i>First Vice-President</i> .....	1970
S. Charles Kendeigh, <i>Second Vice-President</i> .....	1970
Richard C. Banks, <i>Secretary</i> .....	1970
Burt L. Monroe, Jr., <i>Treasurer</i> .....	1970
Oliver L. Austin, Jr., <i>Editor of The Auk</i> .....	1970

MEMBERS OF THE COUNCIL

Elective Members

John Davis .....	1970
Thomas R. Howell .....	1970
Robert M. Mengel .....	1970
William H. Behle .....	1971
Brina Kessel .....	1971
E. G. Franz Sauer .....	1971
L. Richard Mewaldt .....	1972
Kenneth C. Parkes .....	1972
Harrison B. Tordoff .....	1972

Society Representatives

Nicholas E. Collias, Cooper Ornithological Society .....	1971
Jeff Swinebroad, Wilson Ornithological Society .....	1970

Past Presidents

Dean Amadon, 1964-66	Harold F. Mayfield, 1966-68
Herbert Friedmann, 1937-39	Ernst Mayr, 1957-59
Hoyes Lloyd, 1945-48	Robert Cushman Murphy, 1948-50
George H. Lowery, Jr., 1959-62	Austin L. Rand, 1962-64
Alexander Wetmore, 1926-29	

## A.O.U. COMMITTEES 1969-70

- INVESTING TRUSTEES: Cyrus Mark, *Chairman*. E. Turner Biddle, Arlie W. Schorger.
- COMMITTEE ON ARCHIVES: Gorman M. Bond, *Chairman*. Dean Amadon, Earle R. Greene, E. R. Kalmbach.
- COMMITTEE ON BIOGRAPHY: William H. Behle, *Chairman*. Enid K. Austin, Keith L. Dixon, W. Earl Godfrey, Robert W. Storer, Milton B. Trautman.
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- COMMITTEE ON CLASSIFICATION AND NOMENCLATURE: Eugene Eisenmann, *Chairman*. Dean Amadon, Emmet R. Blake, Thomas R. Howell, Ned K. Johnson, George H. Lowery, Jr., Kenneth C. Parkes, Robert W. Storer, Harrison B. Tordoff.
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- COMMITTEE ON FINANCE: Burt L. Monroe, Jr., *Chairman*. Hoyes Lloyd, Cyrus Mark, Robert J. Newman, Melvin A. Traylor, Rodman Ward.
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- COMMITTEE ON NOMINATION OF FELLOWS AND ELECTIVE MEMBERS: Robert A. McCabe, *Chairman*. Lester L. Short, Jr., Kenneth E. Stager.
- COMMITTEE ON NOMINATION OF HONORARY AND CORRESPONDING FELLOWS: Donald S. Farner, *Chairman*. Paul A. Johnsgard, M. D. F. Udvardy, George E. Watson.
- COMMITTEE ON PROGRAM: David W. Johnston, *Chairman*. Richard C. Banks, George A. Bartholomew, Douglas A. James, Harold D. Mitchell.
- COMMITTEE ON PUBLICATIONS: Oliver L. Austin, Jr., *Chairman*. John W. Aldrich, Richard C. Banks, Eugene Eisenmann, Robert M. Mengel, Burt L. Monroe, Jr., Ralph S. Palmer.

COMMITTEE ON RESEARCH: Alan H. Brush, *Chairman*. Frank C. Bellrose, Thomas J. Cade, Anthony J. Erskine, Richard F. Johnston, Daniel S. Lehrman, Edwin O. Willis.

COMMITTEE ON STUDENT AWARDS: Jared Verner, *Chairman*. Russell P. Balda, David A. Boag, Oliver H. Hewitt, Joseph C. Howell, William L. Thompson.

SPECIAL COMMITTEE ON BIRD COLLECTIONS: Richard C. Banks, *Chairman*. Jon Barlow, Mary Heimerdinger Clench.

SPECIAL COMMITTEE ON BYLAWS: Burt L. Monroe, Jr., *Chairman*. George H. Lowery, Jr., Harold F. Mayfield, L. Richard Mewaldt, Austin L. Rand.

SPECIAL COMMITTEE ON ORGANIZATION OF THE A.O.U.: Fred G. Evenden, *Chairman*. Walter Bock, John W. Hardy, Larry C. Holcomb, Philip S. Humphrey, Richard L. Zusi.

## TREASURER'S REPORT

FOR THE PERIOD OF 1 AUGUST 1968 TO 31 JULY 1969

### INCOME TO ACTIVE FUND

Dues .....	\$20,563.80
Subscriptions .....	7,324.00
Sale of back issues of <i>The Auk</i> .....	1,265.18
Royalties .....	489.33
Advertising .....	1,119.25
Donations to Active Fund .....	1,054.70
Sale of reprints .....	10.25
Income from General Endowment Fund .....	6,820.20
Income from Ruthven Deane Fund .....	299.23
Income from surplus .....	2,361.22
Balance in Active Account, 31 July 1968 .....	5,924.03
<b>TOTAL INCOME, 1968-1969 .....</b>	<b>\$47,231.19</b>

### DISBURSEMENTS FROM ACTIVE FUND

Manufacture and distribution of <i>The Auk</i> .....	\$26,642.24
Expenses, Editor of <i>The Auk</i> .....	2,775.46
Purchase and mailing of back issues .....	1,695.53
Expenses, Treasurer .....	2,100.00
Expenses, Secretary .....	1,200.00
Office supplies .....	336.67
Cost of printing and mailing dues notices .....	602.36
Postage .....	216.51
Telephone and Telegraph .....	3.90
Bank charges .....	81.47
Cost of annual meeting .....	987.12
Expenses, Membership Committee .....	89.50
Expenses, Research Committee .....	148.84
Donation, Intern. Union for the Conservation of Nature .....	50.00
Donation, Intern. Trust for Zoological Nomenclature .....	25.00
Donation, Zoological Society of London .....	50.00
Cost of reprints .....	33.45
<b>TOTAL DISBURSEMENTS, 1968-1969 .....</b>	<b>\$37,038.05</b>
<b>BALANCE IN ACTIVE FUND, 1 AUGUST 1969 .....</b>	<b>\$10,193.14</b>

## SPECIAL FUNDS

*Brewster Memorial Fund*

Income from investments .....	\$ 483.36	
To Wesley E. Lanyon .....		\$ 451.51
Cost of medal and postage .....		31.85
	<u>\$ 483.36</u>	<u>\$ 483.36</u>

*Bird Protection Fund*

Balance forward .....	\$ 7.28	
Income from investments .....	91.18	
To Intern. Council for Bird Protection .....		\$ 100.00
Balance in account .....		-1.54
	<u>\$ 98.46</u>	<u>\$ 98.46</u>

*Educational Fund*

Balance forward .....	\$ 39.07	
Income from investments .....	262.04	
Memberships for 37 students .....		\$ 296.00
Balance in account .....		5.11
	<u>\$ 301.11</u>	<u>\$ 301.11</u>

*General Endowment Fund*

Balance forward .....	\$ 2,578.01	
Life membership payments .....	9,240.00	
Donation, Thomas C. Desmond .....	1,100.00	
Donation, Alexander Wetmore .....	300.00	
Donation, Mrs. G. H. McGaw .....	100.00	
Other donations .....	481.50	
To investing trustees .....		\$11,000.00
Expenses, Endowment Committee .....		60.30
Balance in account .....		2,739.21
	<u>\$13,799.51</u>	<u>\$13,799.51</u>

*Handbook of North American Birds Fund*

Balance forward .....	\$ 2,420.37	
Expenses .....		\$ 493.96
Balance in account .....		1,926.41
	<u>\$ 2,420.37</u>	<u>\$ 2,420.37</u>

*Special Publications Fund*

Balance forward .....	\$ 7,673.99	
Income from investments .....	336.41	
Sale of Check-lists .....	712.00	
Sale of Proceedings .....	358.00	
Sale of Indexes .....	319.40	
Sale of Biographies .....	48.00	
Mailing of publications .....		\$ 58.65
Refunds .....		9.00
Balance in account .....		9,380.15
	<u>\$ 9,447.80</u>	<u>\$ 9,447.80</u>

*Marcia B. Tucker Fund*

Balance forward .....	\$ 100.00	
Donation from Tucker Foundation .....	500.00	
1969 Awards: F. Gary Stiles .....		\$ 190.00
James R. Karr .....		100.00
Charles G. Yarbrough .....		175.00
Herman Henry Shugart, Jr. ....		135.00
	<u>600.00</u>	<u>600.00</u>

*A.O.U. Monograph Fund*

Balance forward .....	\$21,653.49	
Sale of Monographs .....	3,524.10	
Donation from Tucker Foundation .....	5,000.00	
Other donation .....	1.00	
Production costs .....		\$10,886.19
Mailing and packaging costs .....		142.60
Refunds .....		30.82
Balance in account .....		<u>19,118.98</u>
	<u>\$30,178.59</u>	<u>\$30,178.59</u>

*Van Tyne Memorial Fund*

Balance forward .....	\$ 449.44	
Income from investments .....	560.38	
Donation, Oberholser Fund of Cleveland Audubon Society .....	185.00	
1969 Awards: Robert E. Gobeil .....		\$ 150.00
Robert J. Long .....		100.00
James A. Redfield .....		250.00
James V. Kelleher .....		300.00
Balance in account .....		<u>394.82</u>
	<u>\$ 1,194.82</u>	<u>\$ 1,194.82</u>

## CLOSING BALANCES

Active Account .....	\$10,193.14
Bird Protection Fund .....	-1.54
Education Fund .....	5.11
General Endowment Fund .....	2,739.21
Handbook of North American Birds .....	1,926.41
Special Publications Fund .....	9,380.15
A.O.U. Monograph Fund .....	19,118.98
Van Tyne Memorial Fund .....	394.82
TOTAL .....	<u>\$43,756.28</u>
Checking Account, Liberty National Bank and Trust Co., Louisville, Ky. ....	\$ 5,292.75
Uninvested cash, National Boulevard Bank, Chicago, Illinois .....	2,463.53
General Finance Corporation Variable Demand Note No. 347 .....	36,000.00
TOTAL .....	<u>\$43,756.28</u>

BURT L. MONROE, JR., *Treasurer*

1 October 1969