

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

RICHARD C. BANKS, SECRETARY

THE Eighty-ninth Stated Meeting of the American Ornithologists' Union was held 30 August–3 September 1971 at Seattle, Washington, under the sponsorship of the University of Washington. Business sessions and social activities were held in the Student Union Building and the University Tower Hotel; papers sessions were held in the Student Union Building. Day-long field trips were taken to Mount Rainier and to the Deception Pass-Fraser River area. Two-day field trips were offered on the weekends preceding and following the meeting, to the coastal area near Westport with an all-day pelagic trip, and to the Olympic Peninsula, respectively.

BUSINESS SESSIONS

The Council met in the morning and afternoon of 30 August and again in the afternoon of 1 September. The Fellows met in the late afternoon and the Fellows and Elective Members met in the evening of 30 August. A summary of important actions at these meetings follows:

Future meetings.—The Ninetieth Stated Meeting will be held 14–18 August 1972 at Grand Forks, North Dakota, at the invitation of the University of North Dakota. The Ninety-first Stated Meeting will be held 8–12 October 1973 in Provincetown, Cape Cod, Massachusetts, at the invitation of the Nuttall Ornithological Club, which will celebrate its centennial at that time.

Election of officers.—At the meeting of Fellows and Elective Members Robert W. Storer was reelected President; Joseph J. Hickey was advanced to First Vice-President; George A. Bartholomew was elected Second Vice-President; Richard C. Banks was reelected Secretary; and Burt L. Monroe, Jr., was reelected Treasurer. Elected to three-year terms on the Council were Thomas R. Howell, Robert M. Mengel, and Glen Woolfenden.

Awards.—The Brewster Memorial Award was presented to Charles G. Sibley for his comprehensive studies of the relationships among the higher categories of birds as indicated by the electrophoretic patterns of egg-white proteins. The citation reads as follows:

“The methods of electrophoretic analysis are remote indeed from the preoccupations of most ornithologists, but Sibley and his associates, first at Cornell and then at Yale, have taken a biochemical technique that was first applied to avian taxonomy by McCabe and Deutsch in the early 50's, and with energy and insight, brought it to bear on many long recognized problems in avian evolution. Sibley's early studies of distribution and variation of the birds of western North America made him thoroughly conversant with the methods and history of avian systematics. With this background, he has been able to apply the techniques of biochemistry to evolutionary problems that can neither be clearly perceived nor

adequately resolved without a deep familiarity with the traditions and methods of ornithology.

The work of Charles Sibley and his associates has become world wide in scope, but it grows directly from a concern with the birds of the western hemisphere. Because of the problems to which it addresses itself and because of the vigor with which it has been prosecuted, this work has become one of the most conspicuous ornithological research efforts to the 1960's. In addition, by forging a direct link between traditional ornithology and the chemically oriented biology that has been in ascendancy during recent decades, it gives a gratifying demonstration of the essential indivisibility of biology."

An ad hoc Committee on Guidelines for the Brewster Memorial Award, chaired by Joseph J. Hickey, was appointed in 1970 to study the present guidelines used in making the Brewster Memorial Award and to recommend any necessary modifications. In addition to accomplishing this task, the Committee recommended that Council establish a second award, to be known as the Elliott Coues Award. Revised guidelines for the Brewster Memorial Award and the full terms of the Coues Award will be published in the April issue of *The Auk*.

Josselyn Van Tyne Memorial Research Awards administered by the Committee on Research were made as follows: Fred J. Alsop, III, University of Tennessee, Knoxville, Pesticides in the Red-winged Blackbird, \$100; Jack Barr, University of Guelph, Ontario, Canada, Biology of the Common Loon, \$100; Edward H. Burt, Jr., University of Wisconsin, Madison, Fledgling recognition in Barn Swallows, \$100; Paul B. Hamel, Michigan State University, East Lansing, Colonial nesting in the Common Grackle, \$100; James C. Rise, University of Toronto, Ontario, Canada, Habitat partitioning in Red-eyed and Philadelphia Vireos, \$100; and George E. Wright, University of Wisconsin, Madison, Species recognition in *Molothrus ater*, \$150.

The Committee on Student Awards announced that the Marcia Brady Tucker Travel Award in support of travel to the A.O.U. meeting in Seattle was made to Storrs L. Olson of Johns Hopkins University, Baltimore, Maryland. One-year memberships in the A.O.U. were awarded to 29 students (19 graduate students, 3 seniors, 4 juniors, 1 sophomore, and 2 freshmen) enrolled in 23 institutions in 14 states and Canada.

Membership.—Membership at the end of the fiscal year (31 July 1971) stood at 3,142, reflecting a slight decline from a year previous. Numbers in the various classes were:

Members	2,742
Elective Members	220
Fellows	93
Corresponding Fellows	68
Honorary Fellows	19

Total membership included 1 Benefactor (+3 deceased), 18 Patrons (+18 deceased), 406 Life Members, 89 Life Elective Members, and 45 Life Fellows. Resignations were received in the year from 40 Members, 1 Elective Member, and 1 Fellow.

During the year between meetings the officers learned of the deaths of 14 Members, 5 Elective Members, 1 Fellow (also a Patron), 3 Corresponding Fellows, and 1 Honorary Fellow:

Aaron M. Bagg, Life Elective Member
 Charles F. Belcher, Corresponding Fellow
 Harold S. Colton, Member
 Mary Dann, Member
 Malcolm Davis, Member
 Harriet L. Delafield, Member
 James Fisher, Corresponding Fellow
 Alessandro Ghigi, Honorary Fellow
 Harold N. Gibbs, Member
 F. Seymour Hersey, Elective Member
 Keith A. Hindwood, Corresponding Fellow
 Lawrence Huber, Member
 George S. Hunt, Member
 Emerson Kemsies, Member
 Robert C. Lasiewski, Elective Member
 Rubert J. Longstreet, Elective Member
 Earl N. McCue, Member
 Lester J. Moriarty, Member
 David M. Potter, Member
 Mrs. Ward J. Rice, Member
 Mildred Stewart, Life Member
 Herbert L. Stoddard, Life Fellow, Patron
 Eugene Verges, Member
 Albert H. Wright, Honorary Life Elective Member

In the meetings of 30 August the following persons were elected to special classes of membership:

PATRON

Paul A. Stewart

HONORARY FELLOW

Gunther T. Niethammer (Germany)

CORRESPONDING FELLOW

Rene de Naurois (France)

Jan Pinowski (Poland)

Joachim Steinbacher (Germany)

FELLOW

Richard C. Banks

John William Hardy

Ned K. Johnson

Frank W. Preston

Richard L. Zusi

ELECTIVE MEMBER

Russell P. Balda

Charles A. Ely

J. Alan Feduccia

Abbot S. Gaunt

Frank B. Gill

Richard T. Holmes

Martin L. Morton

Lewis W. Oring

Robert B. Payne

Richard B. Root

Jeff Swinebroad

William L. Thompson

Emil K. Urban

Jared Verner

Finances.—Cyrus Mark, Chairman of the Investing Trustees reported that the value of the Merged Assets Account, as of 31 July 1971, was \$270,914, representing an increase of \$38,839 in the fiscal year. In the same year the income collected from investments amounted to \$12,556, an increase of 13 percent over the prior year.

The Council elected as Investing Trustees Cyrus Mark, Chairman, Melvin A. Traylor, and James A. Ware.

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 that Volume 88 (1971) is again the largest in history, with a total of over 1,000 pages. The large backlog of papers continues to be a problem forcing a publication lag after acceptance of a paper. The current time lag is 10 to 16 months for major papers, and 7 to 13 months for notes. Included in Volume 88 were 22 Obituaries, reflecting the fine work of the Committee on Biography under the leadership of William H. Behle and 4 Memorials to deceased Fellows. The index to the volume was prepared by Mrs. Willeta Lueshen.

Glen Woolfenden has resigned from the task of compiling the Periodical Literature section, and will be replaced by Herbert W. Kale, II. John William Hardy will continue as editor of the Reviews section. Oliver L. Austin, Jr., was reelected Editor of *The Auk*.

It has been the practice of *The Auk* to have Allen Press return edited typescripts to the editor when galley proofs are sent to authors, so that correction of printer's errors can be differentiated from the author's changes. This has caused some confusion among authors. Council recommended that typescripts be sent to authors with galley proofs, and that authors be instructed to return both to the editor. Council also approved the suggestion that charges for pages in excess of 20 in any one article be based on actual current publishing costs, which were \$36.50 per page in fiscal 1971.

Robert M. Mengel, Editor of the *Ornithological Monographs*, reported that one monograph (by Edwin Willis, on Behavior of Spotted Antbirds) had been delivered to the press and should appear during the winter. Another large manuscript is in the final editing stages and should go to the press in October. Approximately five more large papers are at various stages of the editorial or review process, at least three of them having been accepted subject to satisfactory revision. Dr. Mengel was reelected Editor of the *Monographs*.

Eugene Eisenmann, chairman of the Committee on Classification and Nomenclature of North American Birds, reported on the committee's progress toward compiling the sixth edition of the A.O.U. Check-list. An application to the National Science Foundation for funds to provide technical and clerical help was unsuccessful. The committee has agreed on terms for a supplement to the fifth edition of the Check-list, which will be published in the near future.

Ralph S. Palmer, Editor of the *Handbook of North American Birds*, assessed the status of Volume 2 of the *Handbook* but could not give a firm prediction on when the work on this difficult volume would be completed.

Amendments to the Bylaws.—The Fellows gave final approval to the long series of amendments proposed last year (see Auk, 88: 148–152, 1971), with but one change. The words “to vote on resolutions at the General Session and” were deleted from the second paragraph of the proposed renumbered and reworded Section 10 of Article IV (op. cit., p. 151). The full text of the Bylaws of the A.O.U., incorporating these amendments, appears in full at the conclusion of these proceedings.

ATTENDANCE

Registration at the meeting totaled 262 people, from 4 provinces of Canada (18), Colombia (1), Guyana (1), Mexico (1), and 36 states and the District of Columbia of the U.S.A. Attendance was as follows:

CANADA—*Alberta*: Robert Lister, M. T. Myres, Mr. and Mrs. D. A. E. Spalding. *British Columbia*: John Ward, Wayne C. Weber. *Ontario*: Dr. and Mrs. Jon C. Barlow, Mr. and Mrs. R. E. Chandler, Fred Cooke, A. J. Erskine, Allen Keast, Dennis M. Power. *Quebec*: Daryl K. Sherman. *Saskatchewan*: Dr. and Mrs. C. Stuart Houston, David Houston.

COLOMBIA: James Silliman.

GUYANA: Ram E. Singh.

MEXICO: Allan R. Phillips.

UNITED STATES—*Alaska*: Mr. and Mrs. Daniel D. Gibson, George E. Hall, M. E. “Pete” Isleib, Brina Kessel, L. G. Swartz. *Arizona*: Russell P. Balda, Betty Carnes, George A. Clark, Jr., Patrick J. Gould, R. Roy Johnson, Robert D. Ohmart, Amadeo M. Rea, Dr. and Mrs. Steven Russell. *California*: David Ainley, John W. Anderson, Enid K. Austin, Dr. and Mrs. George A. Bartholomew, Laurence C. Binford, Dr. and Mrs. Howard L. Cogswell, Jean W. Cohn, Dr. and Mrs. Nicholas E. Collias, Charles T. Collins, John W. Hardy, William R. Hawkins, Thomas R. Howell, J. R. Jehl, Jr., Ned K. Johnson, H. Lee Jones, Diann MacRae, Mr. and Mrs. Michael D. McBride, Dr. and Mrs. L. Richard Mewaldt, Martin L. Morton, Mr. and Mrs. Philip Pratt, Jay M. Sheppard. *Colorado*: Robert R. Cohen, Dr. and Mrs. William A. Davis, Mr. and Mrs. Donald M. Thatcher. *Connecticut*: Dr. and Mrs. Roger T. Peterson, Charles G. Sibley. *Delaware*: John P. Hubbard. *District of Columbia*: Richard C. Banks, Paul G. Dumont, Alexander Wetmore, Richard L. Zusi.

Florida: Dr. and Mrs. Oliver L. Austin, Jr., Robert L. Crawford, Carole F. Sumner, Paul W. Sykes, Jr., Glen E. Woolfenden. *Georgia*: Mr. and Mrs. Fred Shanholtzer. *Illinois*: Joel Cracraft, Dr. and Mrs. Harvey I. Fisher, Dr. and Mrs. S. Charles Kendeigh, Vernon H. Kleen, William E. Southern, Dr. and Mrs. Melvin A. Traylor. *Kansas*: Marion Mengel, Robert M. Mengel. *Kentucky*: Burt L. Monroe, Jr. *Louisiana*: Dr. and Mrs. George H. Lowery, Jr. *Maryland*: Allen J. Duvall, Storrs L. Olson, Brian Sharp, William J. L. Sladen, Mr. and Mrs. W. T. Van Velzen, Francis S. L. Williamson, Penny Williamson. *Massachusetts*: Richard T. Darby, Erica Dunn. *Michigan*: Peter Borchelt, Mr. and Mrs. John Cheek, Eldon D. Greij, Bruce Hodess, Mary Anne McNamara, Sergej Postupalsky, Dr. and Mrs. Robert W. Storer, George J. Wallace. *Minnesota*: Joanna Burger, Dr. and Mrs. P. B. Hofslund, Marshall Howe, Douglas Mock, Dr. and Mrs. Harrison B. Tordoff. *Mississippi*: Jerome A. Jackson. *Missouri*: Dr. and Mrs. Leigh Frederickson.

Nebraska: Mr. and Mrs. John Lueshen. *New Hampshire*: Dr. and Mrs. Peter Stettenheim. *New Jersey*: Mr. and Mrs. Bertram Schaugency. *New Mexico*: Donald Martin, Ralph J. Raitt. *New York*: Dr. and Mrs. Dean Amadon, Robert F. Andrie,

Robert S. Arbib, Jr., Dr. and Mrs. Harold H. Axtell, Mr. and Mrs. Don Eckelberry, Eugene Eisenmann, Dr. and Mrs. Michael Gochfeld, Dr. and Mrs. Douglas A. Lancaster, Dr. and Mrs. Wesley E. Lanyon, Mr. and Mrs. Harold D. Mitchell, Ralph S. Palmer, Mr. and Mrs. Richard H. Pough, Dr. and Mrs. Lester L. Short, Jr., Paul Spitzer, William C. Vaughan, Jayson A. Walker. *North Carolina*: Charles H. Blake. *North Dakota*: Merle Knudson, Mr. and Mrs. Robert E. Stewart. *Ohio*: M. I. Dyer, Dr. and Mrs. Abbot S. Gaunt, Betty A. Lovell, Sheldon Lustick, Dr. and Mrs. Elden Martin, Dr. and Mrs. Harold Mayfield. *Oregon*: Robert J. Grimm, Don Kroodsma, Gordon S. Lind, Rebecca F. Lockhart, David B. Marshall, Harry B. Nehls, Mr. and Mrs. Michael Scott. *Pennsylvania*: Dr. and Mrs. Kenneth C. Parkes. *Rhode Island*: Frank Heppner. *South Carolina*: Sidney A. Gauthreaux. *Tennessee*: Amelia R. Laskey, Mrs. David Price, Jr. *Texas*: Keith Arnold, Michael Rylander. *Utah*: Keith L. Dixon, J. R. Murphy, Clayton M. White. *Virginia*: Dr. and Mrs. John W. Aldrich, Ruth A. Beck, Dr. and Mrs. C. R. Blem, Dr. and Mrs. Mitchell A. Byrd, Jane P. Church.

Washington: Mr. and Mrs. Tony Angell, Ernest S. Booth, Dan Brandenburg, Tom Darden, J. Peter Eaves, Garrett Eddy, Mr. and Mrs. John E. Erickson, Mildred J. Ericson, Dr. and Mrs. Donald S. Farner, Richard S. Fleming, Robert K. Furrer, Mr. and Mrs. W. R. Hatheway, Laura E. Ingham, Mr. and Mrs. H. Jon Janosik, Jerry E. Johns, Dr. and Mrs. James R. King, Helmut Klein, Robert L. Kothenbeutel, Steve Layman, Mr. and Mrs. Robert A. Lewis, Phil Mattocks, Dr. and Mrs. Richard R. Olendorf, Dr. and Mrs. Gordon H. Orians, Mr. and Mrs. Sam Patten, Dr. and Mrs. Dennis R. Paulson, Robert M. Pyle, Peter Rabinowitz, Dr. and Mrs. Frank Richardson, James Rooney, Gerald A. Sanger, Ann Scales, Dr. and Mrs. Victor B. Scheffer, Zella M. Schultz, Mr. and Mrs. Edmund W. Stiles, James A. Vaupel, Dr. and Mrs. Jared Verner, John A. Watson, A. R. Weisbrod, Mr. and Mrs. Howard Wilson, Mr. and Mrs. Francis Wood. *Wisconsin*: Joseph J. Hickey, Margaret Hickey, Dr. and Mrs. Frank P. Mathews.

PUBLIC SESSIONS

The opening session and most papers sessions were held in the Auditorium of the Student Union Building on the mornings and afternoons of Tuesday, Wednesday, and Thursday, 30 August–2 September. An additional papers session was held in room 84 of the building on Wednesday morning.

TUESDAY MORNING SESSION

Frank Richardson and Dennis Paulson, co-chairmen of the Local Committee on Arrangements, made announcements and introduced Dr. George M. Beckmann, Dean of Arts and Sciences, University of Washington, who welcomed the A.O.U. to the campus. President Robert W. Storer responded for the Union. Secretary Richard C. Banks summarized the business sessions of the previous day. The following papers were then presented:

- Third decennial census of the Kirtland's Warbler. HAROLD F. MAYFIELD, Waterville, Ohio.
- Annual fluctuations in bird populations. S. CHARLES KENDEIGH, Department of Zoology, University of Illinois, Champaign, Illinois.
- Adult annual survival in Mountain Chickadees. KEITH L. DIXON, Department of Zoology, Utah State University, Logan, Utah.

- Geographical variation of clutch-size in four passerine species. DAVID B. PEAKALL, Laboratory of Ornithology, Cornell University, Ithaca, New York.
- Reproduction and survival of Florida Scrub Jays (*Aphelocoma c. coerulescens*). GLEN E. WOOLFENDEN, Archbold Biological Station, American Museum of Natural History, and Department of Biology, University of South Florida, Tampa, Florida.
- Growth and fledging success in the Glaucous-winged Gull (*Larus glaucescens*). JOHN WARD, Department of Zoology, University of British Columbia, Vancouver, B. C., Canada.

TUESDAY AFTERNOON SESSION

- Breeding biology and ecology of an isolated population of Rock Doves (*Columba livia*). DAVID E. PREBLE, Department of Zoology, University of Rhode Island, Kingston, Rhode Island.
- Genetic analysis and assortative mating in the Lesser Snow Goose (*Anser caerulescens*). F. COOKE and P. J. MIRSKY, Department of Biology, Queen's University, Kingston, Ontario, Canada.
- The effects of weather and pack-ice conditions on breeding in Adélie Penguins. DAVID G. AINLEY, Point Reyes Bird Observatory, Bolinas, California, and ROBERT E. LERESCHE, Kenai Moose Research Refuge, Soldatna, Alaska.
- Seasonality of reproductive activity in Sonoran Desert birds. STEPHEN M. RUSSELL and GEORGE T. AUSTIN, Department of Biological Sciences, University of Arizona, Tucson, Arizona.
- Weather, predation, and populations of California Quail (*Lophortyx californicus*). DARYL K. SHERMAN, Department of Zoology, University of British Columbia, Vancouver, B. C., Canada.
- Comparative food habits of nestling and adult roadrunners. ROBERT D. OEHMART, Department of Zoology, Arizona State University, Tempe, Arizona.
- Ecology and morphology of food storage in the Clark's Nutcracker. RUSSELL P. BALDA, Department of Zoology, Northern Arizona University, Flagstaff, Arizona, and WALTER J. BOCK, Department of Biological Sciences, Columbia University, New York City.
- Purple Martin populations in Mississippi. JEROME A. JACKSON, Department of Zoology, Mississippi State University, State College, Mississippi.
- Status and distribution of the Everglade Kite (*Rostrhamus sociabilis plumbeus*). PAUL W. SYKES, JR., Bureau of Sport Fisheries and Wildlife, Endangered Wildlife Research Program, Delray Beach, Florida.
- A continental study of the Whistling Swan. W. J. L. SLADEN, Department of Pathology, Johns Hopkins University, Baltimore, Maryland.

WEDNESDAY MORNING SESSION I

- Another look at ecological distribution in the Icteridae. A. J. ERSKINE, Canadian Wildlife Service, Ottawa, Canada.
- The oceanic distribution of the Laysan Albatross. HARVEY I. FISHER, Department of Zoology, Southern Illinois University, Carbondale, Illinois.
- Seasonal and offshore variation in the distribution and behavior of the Common Murre (*Uria aalge*). J. MICHAEL SCOTT, Department of Zoology, Oregon State University, Corvallis, Oregon.
- The role of continental drift in the biogeography of birds. JOEL CRACRAFT, Department of Anatomy, University of Illinois, Chicago, Illinois.

- The systematic position of the Flame-throated Warbler. NED K. JOHNSON, Museum of Vertebrate Zoology, University of California, Berkeley, California.
- Comments on the systematics and biology of *Vireo* ("*Neochloe*") *brevipennis*. JON C. BARLOW, Royal Ontario Museum, Toronto, Ontario, Canada.
- Polymorphism in some birds of the South American Chaco region. LESTER L. SHORT, American Museum of Natural History, New York City.
- Apparent hybrids between Scarlet and Summer Tanagers. KENNETH C. PARKES, Carnegie Museum, Pittsburgh, Pennsylvania.

WEDNESDAY MORNING SESSION II

- Arrivals, departures, and movements of wintering Common Snipe in the Central Brazos Valley, Texas. KEITH A. ARNOLD and DAVID C. JIROVEC, Department of Wildlife and Fisheries Sciences, Texas A&M University, College Station, Texas.
- The influence of fronts and atmospheric waves in the flight behavior of migrating birds. SIDNEY A. GAUTHREAUX, Department of Zoology, Clemson University, Clemson, South Carolina.
- Environmental influences on the nocturnal migration and orientation of birds. KENNETH P. ABLE, Department of Biological Sciences, SUNY, Albany, New York.
- Photoperiodic responses of female Crowned Sparrows (*Zonotrichia*). ROBERT ALAN LEWIS, Department of Zoology, University of Washington, Seattle, Washington.
- Pressure and air flow during sound production in Oscines. ABBOT S. GAUNT, Department of Zoology, Ohio State University, Columbus, Ohio.
- A comparison of the water requirements of marsh and upland Redwinged Blackbirds (*Agelaius phoeniceus*). WILLIAM HESSE and SHELDON LUSTICK, Department of Zoology, Ohio State University, Columbus, Ohio.
- Energy flow and food ecology of Cattle Egrets and Snowy Egrets. G. FREDERICK SHANHOLTZER, University of Georgia, Marine Institute, Sapelo Island, Georgia.
- Laboratory measurements of energy flow through some passerine nestlings. CHARLES R. BLEM, Department of Biology, Virginia Commonwealth University, Richmond, Virginia.
- Feeding pattern of blackbird flocks under stressed and unstressed conditions. M. I. DYER, Bureau of Sport Fisheries and Wildlife, Ohio Field Station, Sandusky, Ohio.

WEDNESDAY AFTERNOON SESSION

- The relationships of the Hoatzin (*Opisthocomus*) and the Jacamars (Galbulidae). CHARLES G. SIBLEY, Peabody Museum of Natural History, Yale University, New Haven, Connecticut.
- The Ascension Island Rail. STORRS L. OLSON, Department of Pathobiology, Johns Hopkins University, Baltimore, Maryland.
- Cumulative growth in three species of Buteos. RICHARD R. OLENDORFF, American Museum of Natural History, New York City, and Department of Zoology, Colorado State University, Fort Collins, Colorado.
- The first basic plumage of the Blue-winged Teal (*Anas discors*). ELDON D. GREIJ, Department of Biology, Hope College, Holland, Michigan.
- Allometric growth of limb segments of three species of hawks. RICHARD R. OLENDORFF, American Museum of Natural History, New York City, and Department of Zoology, Colorado State University, Fort Collins, Colorado.

THURSDAY MORNING SESSION

- Are Ring-billed Gulls orienting by magnetic cues? WILLIAM E. SOUTHERN, Department of Biological Sciences, Northern Illinois University, DeKalb, Illinois.
- Song dialects and dispersal of young within a Bewick's Wren population. DONALD E. KROODSMA, Department of Zoology, Oregon State University, Corvallis, Oregon.
- Social facilitation in a weaverbird: Importance of colony size. N. E. COLLIAS, J. K. VICTORIA, and R. J. SHALENERBERGER, Department of Zoology, University of California, Los Angeles, California.
- Colony site selection in Franklin's Gull. JOANNA BURGER, Museum of Natural History, University of Minnesota, Minneapolis, Minnesota.
- Adult recognition of the young in the Herring Gull (*Larus argentatus*). MARY ANNE McNAMARA, Department of Zoology, Michigan State University, East Lansing, Michigan.
- Analysis of locomotion in the Whistling Ducks (*Dendrocygna*). MICHAEL K. RYLANDER, Department of Biology, and ERIC C. BOLEN, Department of Wildlife Management, Texas Tech University, Lubbock, Texas.
- The development of dipping movements in the American Ouzel (*Cinclus mexicanus*). R. J. GRIMM, Laboratory of Neurophysiology, Good Samaritan Medical Center and University of Oregon Medical School, Portland, Oregon.
- Comparative and experimental studies of Black and Blue Jays ("*Cissilopha*") in captivity. JOHN WILLIAM HARDY, Moore Laboratory of Zoology, Occidental College, Los Angeles, California.

THURSDAY AFTERNOON SESSION

The last paper was followed by a short general session at which Resolutions were considered.

- A classification of avian flight formations. FRANK H. HEPPNER, Department of Zoology, University of Rhode Island, Kingston, Rhode Island.
- Development of dustbathing in Bobwhite (*Colinus virginianus*). PETER L. BORCHELT, Department of Psychology, Michigan State University, East Lansing, Michigan.
- Agonistic behavior in courting Wilson's Phalaropes (*Steganopus tricolor*). MARSHALL HOWE, Department of Zoology, University of Minnesota, Minneapolis, Minnesota.
- Human related mortality of birds. RICHARD C. BANKS, Bird and Mammal Laboratories, Bureau of Sport Fisheries and Wildlife, Washington, D. C.
- The prairie bird house trail. DAVID V. HOUSTON and R. LORNE SCOTT, Saskatoon, Saskatchewan, Canada.
- Premature feather loss in young Common Terns (*Sterna hirundo*). MICHAEL GOCHFELD, Division of Occupational Medicine and Environmental Health, Columbia University School of Public Health, New York City.
- The effect of feeding low levels of DDT on steroid metabolism in Bobwhite (*Colinus virginianus*). SHELDON LUSTICK and T. J. PETERLE, Department of Zoology, Ohio State University, Columbus, Ohio.
- Past and present distribution of hawks and trees in Saskatchewan. C. STUART HOUSTON, Saskatoon, Saskatchewan, Canada.
- PCB's (Polychlorinated Biphenyls) in resident Aleutian birds. CLAYTON M. WHITE, Department of Zoology, Brigham Young University, and ROBERT W. RISEBROUGH, Bodega Marine Laboratory, Bodega Bay, California.

Further studies of northeast coastal Ospreys (*Pandion haliaetus*). PAUL SPITZER, Laboratory of Ornithology, Cornell University, Ithaca, New York, and ROBERT W. RISEBROUGH, Bodega Marine Laboratory, Bodega Bay, California.

Are all our vultures in trouble? ALLAN R. PHILLIPS, Instituto de Biologia, Universidad Nacional Autonoma de Mexico, Mexico, D. F.

SPECIAL EVENTS

A motion picture session in the Auditorium of the Student Union Building Wednesday evening featured the following films:

"The Red-tailed Tropicbird on Midway Island." THOMAS R. HOWELL, Department of Zoology, University of California, Los Angeles, California.

"Albatross." HARVEY I. FISHER, Department of Zoology, Southern Illinois University, Carbondale, Illinois.

"Penguin city." WILLIAM J. L. SLADEN, Department of Pathobiology, Johns Hopkins University, Baltimore, Maryland.

A display on bird marking techniques was available in the Music Lounge of the Student Union Building during the meeting. The display was prepared by Charles Collins with the cooperation of the Western Bird-Banding Association under the sponsorship of the Committee on Research.

An exhibit of ornithological art featuring the work of area artists, arranged by Tony Angell under the auspices of the local committee, was on display in the Music Lounge during the meeting.

SOCIAL EVENTS

The Council and Fellows held their symposium and dinner on Monday in the University Tower Hotel. The ladies enjoyed tours of the Burke Memorial Washington State Museum on Tuesday afternoon, hikes in the Cascades and a boat trip to Lake Washington and Puget Sound on Wednesday, and a variety of local tours on Thursday. Members were guests at an informal reception in the Music Lounge on Tuesday evening.

The annual banquet was held in the Ballroom of the University Tower Hotel on 2 September. The entertainment featured a film entitled "Pacific wilderness" by David and Lyn Hancock.

FIELD TRIPS

Two weekend and two one-day field trips were held in conjunction with the meeting. On 28-29 August, 78 people participated in a day of shorebird watching and a very successful pelagic trip off the coast of Washington. Highlights of the trip included Pink-footed, New Zealand, and Sooty Shearwaters, all three Jaegers, and six species of alcids. On Friday, 3 September, 24 persons visited Mount Rainier National Park. Few birds were seen, but excellent views of Blue Grouse and Dippers, in addition to the flowers and scenery, were ample reward.

The same day, 78 people took a trip to the Fraser River delta and observed more than 100 species including the specialty of the area, the Crested Myna. On the weekend 4–5 September, 41 persons visited the diverse Olympic Peninsula, seeing nearly 100 bird species and a number of interesting mammals. Highlights included 10 species of gulls and excellent views of the Tufted Puffin.

RESOLUTIONS

The following Resolutions were adopted at a brief General Session held Thursday afternoon, 2 September 1971:

RESOLUTION NUMBER 1.—Natural populations are limited in number and affected in well being by their environment, and populations that exceed the carrying capacity of their environment must pay severe penalties. Man often believes that he is exempt from such natural rules, an illusion made possible by his technical skills which have resulted in enormous, but temporary, increases in the carrying capacity of the environment. However, these great temporary increases are maintained only by extravagant borrowing against rapidly diminishing capital—by usurping the birthright of future generations.

While food production approaches its theoretical peak at a slow, arithmetical pace, population increases exponentially. Our growing technologies have seriously reduced our supplies of various non-renewable resources; renewable ones are misused; pollution increases alarmingly; poisoning of the biosphere poses new threats; open space and natural beauty grow rarer; and one species after another approaches extinction. We also suspect that diverse behavioral and social disruptions, which increase constantly, are related to these complex events.

THEREFORE, the American Ornithologists' Union firmly resolves to express its most serious concern to the political leaders of the United States and Canada and to the citizens of our countries, in the hope that, without prejudice toward any group, they will immediately accelerate their efforts to promote reduction of population growth everywhere, by the encouragement of all humane measures such as birth control, the legalization of abortion, and governmental incentives that encourage small families. We urge the stabilization of the human population as essential to the attainment of whatever system will ultimately offer the best possibility of a viable and meaningful human civilization in future centuries.

RESOLUTION NUMBER 2.—In recognition of their persistent and skillful documentation of the degradation of American's environments and of the disappearance of its few remaining unspoiled areas, the American Ornithologists' Union commends, supports, and encourages Audubon, its editor Les Line, and its publishers, for their battle to preserve for us and for future generations significant remnants of the natural communities essential for human welfare and survival.

RESOLUTION NUMBER 3.—The American Ornithologists' Union held its 89th Stated Meeting at Seattle, Washington, at the invitation of the University of Washington. The members of the Union have enjoyed and benefitted from the informative scientific program and the outstanding field trips, carefully designed to familiarize participants with the natural history of the beautiful Pacific Northwest.

THEREFORE, the American Ornithologists' Union expresses its deep appreciation to the University of Washington and to the local committee under the able leadership of Frank Richardson and Dennis Paulson, and their many assistants for their warm hospitality.

OFFICIALS OF THE AMERICAN ORNITHOLOGISTS' UNION
FOR 1971-72

OFFICERS

- Robert W. Storer, *President*
 Joseph J. Hickey, *First Vice-President*
 George A. Bartholomew, *Second Vice-President*
 Richard C. Banks, *Secretary*
 Burt L. Monroe, Jr., *Treasurer*

ADDITIONAL MEMBERS OF THE COUNCIL

Term Expires

Editor of *The Auk*

Oliver L. Austin, Jr. 1972

Elective Councilors

L. Richard Mewaldt 1972
 Kenneth C. Parkes 1972
 Harrison B. Tordoff 1972
 Eugene Eisenmann 1973
 Wesley E. Lanyon 1973
 Charles G. Sibley 1973
 Thomas R. Howell 1974
 Robert M. Mengel 1974
 Glen Woolfenden 1974

Society Representatives

Nicholas E. Collias, Cooper Ornithological Society 1972
 Pershing B. Hofslund, Wilson Ornithological Society 1972

Past Presidents

John W. Aldrich, 1968-70	Harold F. Mayfield, 1966-68
Dean Amadon, 1964-66	Ernst Mayr, 1957-59
Herbert Friedmann, 1937-39	Robert C. Murphy, 1948-50
Hoyes Lloyd, 1945-48	Austin L. Rand, 1962-64
George H. Lowery, Jr., 1959-62	Alexander Wetmore, 1926-29

(The committee appointments for 1971-72 were not completed at press time and will appear in the April issue.)

TREASURER'S REPORT

FOR THE PERIOD 1 AUGUST 1970 TO 31 JULY 1971

INCOME TO ACTIVE FUND

Dues	\$20,325.69	
Subscriptions	8,638.03	
Sale of back issues of <i>The Auk</i>	1,859.00	
Royalties	872.76	
Advertising	1,909.88	
Donations to Active Fund	516.51	
Sale of reprints	5.00	
Income from General Endowment	8,709.62	
Income from Ruthven Deane Fund	347.54	
Income from surplus	2,518.76	
TOTAL INCOME, 1970-1971	45,702.79	
Balance in Active Account, 31 July 1970	11,296.59	
TOTAL		\$56,999.38

DISBURSEMENTS FROM ACTIVE FUND

Expenses, publication of <i>The Auk</i>	\$35,973.97	
Expenses, Treasurer	3,398.53	
Expenses, President	50.00	
Expenses, Secretary	557.68	
Cost of dues notices	488.60	
Cost of annual meeting	1,372.94	
Purchase and mailing of back issues of <i>The Auk</i>	72.65	
Cost of reprints	53.00	
Donation, Intern. Union for Conservation of Nature	25.00	
Donation, Intern. Trust for Zoological Nomenclature	25.00	
Donation, Zoological Society of London	50.00	
TOTAL DISBURSEMENTS, 1970-1971		\$42,067.37
BALANCE IN ACTIVE FUND, 1 AUGUST 1971		\$14,932.01

SPECIAL FUNDS

Brewster Memorial Fund:

Balance forward	\$ 512.41	
Income from investments	561.16	
To Investing Trustees for reinvestment		\$ 1,073.57
	\$ 1,073.57	\$ 1,073.57

Bird Protection Fund:

Income from investments	\$ 106.26	
To Intern. Council for Bird Protection		\$ 100.00
Balance in account		6.26
	\$ 106.26	\$ 106.26

Educational Fund:

Balance forward	\$ 2.83	
Income from investments	304.38	
Memberships for 29 students		\$ 232.00
Balance in account		75.21
	<hr/>	<hr/>
	\$ 307.21	\$ 307.21

General Endowment Fund:

Balance forward	\$ 1,423.71	
Life membership payments	3,322.00	
Patron, Col. L. R. Wolfe	500.00	
Patron, Dr. Paul A. Stewart	925.00	
Donation, Mrs. F. C. Laskey	1,000.00	
Donation, Alexander Wetmore	500.00	
Other donations	150.50	
To Investing Trustees		\$ 7,500.00
Balance in account		321.21
	<hr/>	<hr/>
	\$ 7,821.21	\$ 7,821.21

Handbook of North American Birds Fund:

Balance forward	\$ 1,980.16	
Royalties	91.50	
Expenses, Regents Research Fund		\$ 1,000.00
Balance in account		1,071.66
	<hr/>	<hr/>
	\$ 2,071.66	\$ 2,071.66

Special Publications Fund:

Balance forward	\$11,718.63	
Income from investments	389.60	
Sale of Check-Lists	1,037.10	
Sale of Proceedings	318.00	
Sale of Indexes	1,918.68	
Sale of Biographies	4.00	
Refund, shipping charges	13.85	
Mailing and shipping of publications		\$ 89.63
Refund on sales		12.50
Balance in account		15,297.73
	<hr/>	<hr/>
	\$15,399.86	\$15,399.86

A.O.U. Monographs Fund:

Balance forward	\$24,775.26	
Sale of Monographs	1,814.59	
Donation from Tucker Foundation	5,000.00	
Production costs (Editor's Expenses)		\$ 597.00
Mailing and packaging costs		63.07
Bounced check		11.70
Balance in account		\$30,918.08
	<hr/>	<hr/>
	\$31,589.85	\$31,589.85

Marcia B. Tucker Fund:

Donation from Tucker Foundation	\$ 500.00	
1971 Award: Storrs Olson		\$ 325.00
Balance in account		175.00
	<hr/>	<hr/>
	\$ 500.00	\$ 500.00

Van Tyne Memorial Fund:

Balance forward	\$ 3.39	
Income from investments	649.71	
Returned award, Barbara Jean Taylor	50.00	
1971 Awards: Fred J. Alsop, III		\$ 100.00
Jack Barr		100.00
Edward H. Burtt, Jr.		100.00
Paul B. Hamel		100.00
James C. Rice		100.00
George E. Wright		150.00
Balance in account		53.10
	<hr/>	<hr/>
	\$ 703.10	\$ 703.10

CLOSING BALANCES

Active Account	\$14,932.01	
Brewster Memorial Fund	-0-	
Bird Protection Fund	6.26	
Educational Fund	75.21	
General Endowment Fund	321.21	
Handbook of North American Birds Fund	1,071.66	
Special Publications Fund	15,297.73	
A.O.U. Monographs Fund	30,918.08	
Marcia B. Tucker Fund	175.00	
Van Tyne Memorial Fund	53.10	
	<hr/>	
TOTAL		\$62,850.26
Checking Account, Liberty National Bank and Trust Co., Louisville, Kentucky	\$19,041.26	
Uninvested cash, National Boulevard Bank, Chicago, Illinois ...	809.00	
General Finance Corporation Variable Demand Note No. 347 ...	43,000.00	
	<hr/>	
TOTAL		\$62,850.26

BURT L. MONROE, JR., *Treasurer*