

PROCEEDINGS OF THE NINETY-THIRD
STATED MEETING OF THE
AMERICAN ORNITHOLOGISTS' UNION

GEORGE E. WATSON, SECRETARY

THE Ninety-third Stated Meeting of the American Ornithologists' Union was held 25–29 August 1975 at the University of Manitoba, Winnipeg, Canada, under the sponsorship of the University. Additional contributors were Environment Canada, Manitoba Department of Mines, Resources and Environmental Management, the Natural History Division of the Manitoba Museum of Man and Nature, and the Manitoba Naturalists Society. Business and technical sessions were held in the University Centre and the social sessions were held there or in Pembina Hall adjacent to Mary Speechly Hall where most participants were housed on the campus. Field trips were taken to various places about Winnipeg.

BUSINESS SESSIONS

The Council met in the morning and afternoon on 25 August and again in the afternoon of 27 August. The Fellows met in the late afternoon of 25 August and again in the late afternoon of 28 August. Fellows and Elective Members met in the evening of 25 August. A summary of the important actions at these meetings follows:

Future meetings.—The Ninety-fourth Stated Meeting will be held at Haverford College, near Philadelphia, Pennsylvania, 9–13 August 1976 at the invitation of the Academy of Natural Sciences of Philadelphia and Haverford College. At the invitation of the University of California, Berkeley, and the Museum of Vertebrate Zoology the Ninety-fifth Stated Meeting will be held at Berkeley, California, in late August or early September 1977. The Union has also accepted an invitation from the American Museum of Natural History, the National Audubon Society, the New York Zoological Society, and the Linnaean Society of New York to hold its Centennial Meeting in New York City in 1983.

The Phase I Planning Committee for the A.O.U. Centennial suggested several publications that might be issued to celebrate the Centennial. First among them was a history of American ornithology. The Council also considered methods for financing the Centennial.

Election of officers.—At the meeting of Fellows and Elective Members, John T. Emlen, Jr., was elected President; Wesley E. Lanyon was advanced to First Vice-President; Kenneth C. Parkes was elected Second Vice-President; George E. Watson was reelected Secretary; John A. Wiens was reelected Treasurer; Thomas R. Howell, Harrison B. Tordoff, and Glen E. Woolfenden were elected to three-year terms on the Council; and Eugene Eisenmann was elected to fill the two-year term vacated by the election of Parkes to Second Vice-President.

Awards.—The William Brewster Memorial Award was made to Jürgen Haffer

for his series of brilliant papers on the ornithogeography of South America. The Elliott Coues Awards were presented to Walter Bock for his anatomical studies of avian skeletal and muscular systems and to Richard F. Johnston and Robert K. Selander for their studies on evolutionary changes in New World populations of House Sparrows. (For citations see pp. 161-163.)

The Committee on Student Awards announced that Marcia Brady Tucker Travel Awards in support of travel to the A.O.U. meeting in Winnipeg were made to Phillip F. Elliot, Kansas State University, Manhattan, Kansas and to Joseph L. Suchecki, University of Connecticut, Storrs, Connecticut, both of whom presented papers at the meeting. One-year memberships in the A.O.U. were awarded to 39 students (29 graduate students, 4 seniors, 5 juniors, and 1 freshmen) enrolled in 32 institutions in 22 states and 3 Canadian provinces.

The Committee on Research made Josslyn Van Tyne Research Awards to six persons, as follows: Jeffrey Burns, University of Minnesota, Minneapolis, Minnesota: The breeding biology of the Short-billed Marsh Wren (*Cistothorus platensis*), \$475; Juan Guzman, University of Calgary, Calgary, Alberta, Behavioral aspects of the ecology of the Sooty Shearwater (*Puffinus griseus*) off the coast of British Columbia in summer, \$475; David S. Messinger, Ohio State University, Columbus, Ohio: Walking and swimming in the duck, \$175; Lynne M. Miller, Rutgers University, New Brunswick, New Jersey: Nesting adaptations and breeding biology of the Glossy Ibis, \$250; David W. Steadman, Department of Zoology, University of Florida, Gainesville, Florida: A study of early Pleistocene avifauna of the Inglis 1A Site, Florida, \$150; and Joseph M. Wunderle, Jr., Bell Museum of Natural History, University of Minnesota, Minneapolis, Minnesota: Intra-island polymorphism in the Bananaquit, \$300.

The award for the best student paper presented at the meeting went to Douglas W. Mock, Bell Museum of Natural History, University of Minnesota, Minneapolis, Minnesota, who spoke on "Graded and discrete signals in heron communication."

Membership.—The Treasurer's report on membership showed that at the end of July 1975 there were 3660 members, an increase of 247 from last year. Numbers in various classes were:

Members	3228
Elective Members	237
Fellows	108
Corresponding Fellows	69
Honorary Fellows	18

Total membership includes 1 Benefactor (+ 3 deceased), 15 Patrons (+ 21 deceased), 471 Life Members, 82 Life Elective Members, and 58 Life Fellows; 41 members resigned during the year, and 250 were suspended.

During the year between meetings the officers learned of the deaths of 12 Members, 2 Elective Members, 1 Fellow, 1 Corresponding Fellow, and 1 Honorary Fellow as follows:

John Innes Beattie, Member
 Loring Conant, Member
 Orville W. Crowder, Member
 Rowley Frith, Life Member
 Sam Gadd, Member
 Earle R. Greene, Elective Member
 Margaret Jean Haller, Life Member
 Charles W. Hamilton, Life Member
 Sir Julian S. Huxley, Honorary Fellow
 Peter Paul Kellogg, Life Elective Member
 Cyril Winthrop Mackworth-Praed, Member
 Edgardo Moltoni, Corresponding Fellow
 Gerald T. Rogers, Life Member
 Zella M. Schultz, Member
 Edward L. Seeber, Life Member
 Clarence Emil Stasz, Member
 Charles Vaurie, Fellow

In the meetings of 25 August, the following persons were elected to special classes of membership:

PATRON

William H. Pugh

John A. Wiens

Larry L. Wolf

HONORARY FELLOW

Bernard Rensch (Germany)

ELECTIVE MEMBERS

Jon E. Ahlquist
 Daniel W. Anderson

CORRESPONDING FELLOW

Phillip A. Clancy (South Africa)
 Kai Curry-Lindahl (Sweden)
 Eberhard Gwimmer (Germany)
 Colin Pennycuik (United Kingdom)
 William H. Phelps, Jr. (Venezuela)

James C. Bartonek
 Julian J. Baumel
 Joanna Burger
 Elsie C. Collias
 Ralph W. Dexter
 Roger M. Evans
 Marshall A. Howe

FELLOW

Paul H. Baldwin
 Alan H. Brush
 Mary H. Clench
 Barbara B. DeWolfe
 Joseph R. Jehl, Jr.
 D. Frank McKinney
 Val Nolan, Jr.
 Ralph J. Raitt
 Peter Stettenheim
 Leslie M. Tuck

Charles F. Leck
 Raymond J. Middleton
 David N. Nettleship
 Richard R. Olendorff
 Wilbur B. Quay
 Stephen I. Rothstein
 Ralph W. Schreiber
 Spencer G. Sealy
 Alexander Sprunt, IV
 Charles H. Trost
 R. Haven Wiley

Finances.—The Investing Trustees, chaired by Cyrus Mark, reported that the value of the Merged Assets Account as of 31 July 1975 was \$275,176.63, an increase of approximately \$13,000 or 4.9% since last year's report. The total value includes a capital addition of \$10,000 to the general Endowment Fund during the year. Net income was \$12,618.20, an increase of \$468.03 over the previous year.

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

The report of the Treasurer John A. Wiens for fiscal 1975 appears in full at the conclusion of these proceedings.

Publication matters.—Oliver L. Austin, Jr., Editor of *The Auk*, reported that the first three numbers of Volume 92 (1975) contain a total of 684 pages plus a 27-page supplement. In mid-July he had 214 unpublished manuscripts in various editorial stages (30 more than a year ago). He pointed out that the typewriter-format offset supplement to the July *Auk* represented a considerable saving in page costs and asked the Council to approve additional supplements. The Council agreed to have the Conservation Committee report and the Recent Literature sections published as supplements, as recommended by an *ad hoc* Committee on *Auk* finances, but voted to retain the Secretary's and the Treasurer's reports as integral parts of *The Auk*. The Council also authorized the Editor to request page costs from all authors and to assess obligatory charges on papers over 12 pages.

Oliver L. Austin, Jr., was reelected Editor of *The Auk*; the Periodical Literature and Book Review sections and Index will continue under Associate Editors Herbert W. Kale II, Walter Bock, and James J. Dinsmore respectively.

A number of back issues of *The Auk* are in such abundant supply that they will be offered to members at a special discount this year and at the Haverford meeting. Because the large number of new members who joined after the beginning of the calendar year had depleted the supply of January and April 1975 *Auks*, Council authorized reprinting them.

An *ad hoc* committee, with Thomas R. Howell as Chairman, has been formed to consider the future of ornithological publications in North America. The committee includes representatives of the Wilson and Cooper Ornithological Societies and the Northeastern Bird-banding Association.

J. W. Hardy, Editor of *Ornithological Monographs*, reported that two *Monographs* were published during the year and one other should appear before the end of 1975. Seven additional manuscripts are being revised by authors or are out for review, three others are moribund. The Editor hopes to publish at least two phonograph discs in the *Monograph* series.

Eugene Eisenmann, Chairman of the Committee on Classification and Nomenclature, reported that the committee planned to publish a new supplement to the A.O.U. check-list soon dealing with some nomenclatural changes. Kenneth C. Parkes was elected Vice-Chairman and Lester L. Short was added to the committee as Secretary in place of Dean Amadon who resigned.

Ralph S. Palmer, Editor of the *Handbook of North American Birds*, reported

that the two waterfowl volumes and a reprint of volume 1 will be published by spring 1976.

Research and collection matters.—The Council accepted the report of the *ad hoc* Committee on Scientific and Educational Use of Wild Birds, which was published as a supplement to the July Auk, and authorized the President to send it to the National Research Council and to appropriate government agencies.

The A.O.U. has submitted an application to the National Science Foundation for funding to conduct "A workshop on a national plan for ornithology" in 1976 and 1977. James R. King and Walter Bock, conveners, held an informational meeting for workshop nominees Wednesday evening during the Stated Meeting.

The Council authorized the President to form a Committee on Public Responsibilities to advise officers on action the A.O.U. ought to take on public issues and proposed government programs that affect the science of ornithology.

Amendments to the Bylaws.—The Fellows voted final approval to five changes in the Bylaws that received preliminary approval a year ago. These changes (1) establish the office of President-elect and set the terms of office of President and President-elect, (2) remove the requirement that the Treasurer be an Elective Member, (3) alter the procedures for amending the Bylaws so that changes need not be made in haste, (4) establish criteria for enrollment in special classes of membership, (5) add the Editor of Ornithological Monographs to the Council. The specific amendments are as follows:

(1) President-elect

Article II, Section 1. For present first sentence, substitute: "The officers of the Union shall be a President, a President-elect, a Vice-President, a Secretary, a Treasurer, and nine Elective Councilors."

Article II, Section 2. For present second sentence, substitute: "In case of the President's absence or inability to act, the President-elect—or, if the latter is unavailable the Vice-President—shall discharge the duties of the President."

Article IV. Replace present Sections 1–3 with the following new or reworded Sections 1–7.

"Section 1. The President-elect, the Vice-President, the Secretary, the Treasurer, and three Elective Councilors shall be elected by vote of the Fellows and Elective Members assembled at Stated Meetings. All elections shall be by ballot except that with unanimous consent the reelection of a Secretary or a Treasurer may be made by open vote.

"Section 2. Each Fellow and Elective Member shall be invited in advance of the Stated Meeting at which an election is to be held, to nominate, in writing to the Secretary, one person for President-elect, one person for Vice-President, and three persons for Elective Councilors. These nominations shall be presented at the Stated Meeting of Fellows and Elective Members. Additional nominations may be made from the floor. For each office, Fellows and Elective Members may vote for as many candidates as there are positions to be filled. Those candidates who receive the votes of a majority of the Fellows and Elective

Members voting shall be declared elected, unless the number of persons receiving such a majority exceeds the number of vacancies to be filled. In that event, only the candidates receiving the highest majorities up to the number still eligible for election shall be declared elected. Additional ballots may be taken as necessary until all positions are filled.

"Section 3. A President-elect shall be elected every two years. The term of the President-elect shall begin at the close of the Stated Meeting at which he is elected and end at the close of the second Stated Meeting thereafter. After completion of this term of office, the President-elect automatically becomes President for a similar two-year term. In the case of the death or incapacitation of the President, the President-elect shall automatically become President until the close of the next Stated Meeting and shall then serve a full term as President. A new President-elect shall be elected at the first Stated Meeting following any such succession of the President-elect to President. If, after the normal term of office, a President-elect declines to succeed to the office of President, a President shall be elected from the nominees for the office of President-elect presented at that Stated Meeting.

"Section 4. The Vice-President shall be elected annually and may not succeed himself. The term of office shall begin at the close of the Stated Meeting at which election takes place and end at the close of the next Stated Meeting.

"Section 5. The Secretary and the Treasurer shall be elected annually. Nominations for these officers shall be made from the floor with consent of the nominee. Formal elective ballots shall be taken, and the candidate receiving a majority of the ballots cast shall be declared elected. If no candidate receives a majority on the first ballot, additional ballots shall be taken until the offices are filled.

"The term of office of the Secretary shall begin at the end of the Stated Meeting at which election takes place and shall continue to the close of the next Stated Meeting. Unless otherwise arranged by Council, the Treasurer shall assume office at the beginning of the fiscal year following election and shall serve until the close of that fiscal year.

"Section 6. Three Elective Councilors shall be elected annually by vote of the Fellows and Elective Members assembled at each Stated Meeting. The Elective Councilors shall serve for terms of approximately three years, beginning at the close of the Stated Meeting at which they are elected and ending at the close of the third Stated Meeting thereafter. If an additional vacancy arises, a fourth Elective Councilor shall be elected to fill the unexpired term.

"Section 7. The Editor of *The Auk*, the Editor of *Ornithological Monographs*, and the Investing Trustees shall be elected annually by the Council. Their terms of office shall begin at the close of the Stated Meeting at which election takes place and shall continue until the close of the next Stated Meeting."

Article IV. Section 4 through 12. Renumber as Sections 8 through 16.

Section 9 (renumber as 13). For "Vice-Presidents" substitute "President-elect."

Section 10 (renumber as 14). In first sentence, insert, "President-elect," after word "President."

(2) Status of Treasurer

Article IV, present Section 10 (renumbered as 14 above). In second sentence, delete "Treasurer,"; remove this section from Article IV and insert it as Section 6 in Article II; adjust numbers of Sections 11 and 12 (renumbered as 15 and 16 above) of Article IV.

(3) Amending Bylaws

Article VIII. Replace the present Article with the following: "Proposed additions and amendments to the Bylaws must be submitted to the Secretary in writing, signed by two Fellows, at least ninety days prior to a Stated Meeting. The Secretary will notify Fellows of the proposals at least two weeks in advance of the Stated Meeting at which they are to be considered. Proposed amendments shall be read at a session of the Fellows in a Stated Meeting of the Union and if accepted in principle shall be referred to the Council for consideration. The Council shall report any recommended action to the Fellows at the same Stated Meeting, and the proposal and recommendations shall then be considered by the Fellows. Any proposal approved for adoption by a majority of the Fellows in attendance shall be published in *The Auk* in the Proceedings of the Union and shall be voted upon by the Fellows at the next Stated Meeting unless further amended, in which case it shall be republished and voted upon at the next Stated Meeting. A proposal receiving two-thirds of the votes cast at this time shall be declared adopted and shall become effective at the close of the Stated Meeting at which adopted unless otherwise stipulated by the Fellows.

"Absent Fellows may send their votes on pending changes in the Bylaws to the Secretary in writing, and such votes shall be counted as if the Fellow were present, unless the proposal has been amended."

(4) Enrollment in Special Classes of Membership

Article II, Section 7. For the present section substitute: "Fellows-elect and Elective Members-elect shall be enrolled in the stated class upon notifying the Secretary of acceptance, provided such acceptance is received within six months after election."

(5) Editor of Ornithological Monographs on Council

Article II, Section 1. In second sentence between the words, "Editor of 'The Auk'" and "the Ex-Presidents," insert, "the Editor of Ornithological Monographs."

The Fellows also considered but rejected three newly proposed amendments that would have removed the limitation on the number of Elective Members,

recognized the Second General Meeting in the Bylaws, and clarified the review and voting procedures on resolutions.

ATTENDANCE

Registration at the meeting totaled 435 people, from 8 provinces of Canada, 34 states and the District of Columbia of the United States, and from Australia and Austria. The largest groups of attendees were from Manitoba (97), Ontario (23), California (25), Florida (21), Minnesota (33), and New York (25). The list of those attending (without addresses) may be obtained from the Secretary for \$1.00.

PUBLIC SESSIONS

General sessions and paper sessions were held in the Manitoba Room of the University Centre. Tuesday morning, J. Clayton Gibson, Vice-President of the University of Manitoba, welcomed the A.O.U. to Manitoba and President Donald Farner responded for the Union. Secretary George E. Watson summarized the business sessions of the previous day. Spencer G. Sealy, Chairman of the Local Committee on Arrangements, made several general announcements. The following papers were presented in concurrent sessions:

TUESDAY MORNING PAPERS SESSIONS

CONCURRENT SESSION A

Reproductive Strategies

Reproductive Adaptations of the Magnificent Frigatebird (*Fregata magnificens*). THOMAS R. HOWELL. *Dept. of Biology, University of California, Los Angeles 90024.*

Reproductive Success of the Brown Pelican (*Pelecanus occidentalis*), Tarpon Key, Pinellas County, Florida 1969-1975. RALPH W. SCHREIBER. *Seabird Research, Inc., Tampa, Florida 33612.*

Egg Size, Hatching Asynchrony, and Nestling Success in the Common Grackle. HENRY F. HOWE. *Museum of Zoology, University of Michigan, Ann Arbor 48104.*

Breeding Adaptations of the Common Eider (*Somateria mollissima*) on the Beaufort Sea Coast of Alaska. DOUGLAS SCHAMEL. *University of Alaska, Fairbanks 99701.*

Intra-specific Nest Parasitism as a Reproductive Strategy in the Lesser Snow Goose. GEORGE FINNEY. *Dept. of Biology, Queen's University, Kingston K7L 3N6.*

Factors Influencing Kirtland's Warbler Nesting Success. WALTER L. ANDERSON AND ROBERT W. STORER. *Museum of Zoology, University of Michigan, Ann Arbor 48104.*

Reproductive Strategy and Parasite-Host Interactions Between Cowbirds and Cedar Waxwings. S. I. ROTHSTEIN. *University of California, Santa Barbara 93106.*

Evidence of Host Specialization by the Brown-headed Cowbird Among Three Prairie, Ground-nesting Species. PHILLIP F. ELLIOTT. *Kansas State University, Manhattan 66502.*

CONCURRENT SESSION B

Physiology and Energetics

Seasonal Changes in Plasma Lipids and Liver Malic Enzyme Activity in White-crowned Sparrows. WILLIAM A. DEGRAW. *Dept. of Biology, University of Nebraska at Omaha 68101.*

Hormones and Plumage Color in Ptarmigan; the Thyroid in White-tailed Ptarmigan. E. OTTO HÖHN. *Dept. of Physiology, University of Alberta, Edmonton T6G 2H7.*

Development of Thermoregulation in Nestling House Wrens, in Relation to Brood Size. ERICA H. DUNN. *Long Point Bird Observatory, P.O. Box 160, Port Rowan, Ontario N0E 1M0.*

Fasting Metabolism of Adult Mallards During Breeding and Molt in Response to Temperature. HAROLD H. PRINCE. *Dept. of Fisheries and Wildlife, Michigan State University, East Lansing 48824.*

Metabolic and Behavioral Responses to Fasting in White-crowned Sparrows (*Zonotrichia leucophrys gambelii*). ELLEN D. KETTERSON AND JAMES R. KING. *Zoology Dept., Washington State University, Pullman 99163.*

Population Energetics of the White Ibis. JAMES A. KUSHLAN. *U.S. National Park Service, Everglades National Park, Homestead, Florida 33030.*

Foraging Energetics of Black-throated Blue Warblers in a Northern Hardwoods Forest. CRAIG PATRICK BLACK. *Dept. of Biological Sciences, Dartmouth College, Hanover, New Hampshire 03755.*

Seasonal Energetics of a Woodland Avifauna in Northern Connecticut. JOSEPH L. SUCHECKI. *Biological Sciences Group, University of Connecticut, Storrs 06268.*

The Adequacy of Air Temperature as a Measurement of the Thermal Environment Under Field Conditions. SHEILA A. MAHONEY AND JAMES R. KING. *Dept. of Zoology, Washington State University, Pullman 99163.*

TUESDAY AFTERNOON PAPERS SESSIONS

CONCURRENT SESSION A

Breeding Behavior

Courtship Behavior of Great Egrets (*Casmerodius albus*). JOCHEN H. WIESE. *Tall Timbers Research Station, Tr. 1, Box 160, Tallahassee, Florida 32303.*

Pursuit Flights and the Breeding Ecology of North American Ducks of the genus *Anas*. R. D. TRYMAN AND N. R. SEYMOUR. *Macdonald College of McGill University, Quebec.*

Rape Flights and Raping Activity in Breeding Pintails (*Anas acuta*). SCOTT R. DERRICKSON. *Dept. of Ecology, Bell Museum of Natural History, University of Minnesota, Minneapolis 55455.*

Nest Aggregation in the Sparrow Weavers (Plocepasserinae). N. E. COLLIAS AND ELSIE C. COLLIAS. *University of California, Los Angeles 90024 and Los Angeles County Museum of Natural History.*

Head-scratching of North American Wood Warblers (Parulidae). EDWARD H. BURTT, JR. AND JACK P. HAILMAN. *Dept. of Zoology, University of Wisconsin, Madison 53706.*

Habitat Variation and Coloniality in the Upland Sandpiper. DANIEL E. BOWEN. *Division of Biology, Kansas State University, Manhattan 66506.*

Social Status of Male Pinon Jays. RUSSELL P. BALDA. *Dept. of Biological Sciences, Northern Arizona University, Flagstaff 86001.*

Dominance in the Florida Scrub Jay. GLEN E. WOOLFENDEN AND JOHN W. FITZPATRICK. *Dept. of Biology, University of South Florida, Tampa 33620 and Princeton University, Princeton, New Jersey 08540.*

Color Selection of Nesting Material by Killdeer (*Charadrius vociferans*). ROBERT C. KULL, JR. *UNCC Station, Biology Dept., University of North Carolina at Charlotte 28223.*

WEDNESDAY MORNING PAPERS SESSION

Invited Lectures

A Model for the Evolution of Perching Birds. J. ALAN FEDUCCIA. *Dept. of Zoology, University of North Carolina, Chapel Hill 27514.*

Molecular Evolution in Birds. ALLAN C. WILSON. *Dept. of Biochemistry, University of California, Berkeley 94720.*

Species Diversity and Community Organization. MARY F. WILLSON. *Dept. of Ecology, Ethology and Evolution, University of Illinois, Urbana 61801.*

WEDNESDAY AFTERNOON PAPERS SESSIONS

CONCURRENT SESSION A

Resource Utilization

On Optimization, Competition, and Variable Environments. JOHN A. WIENS. *Dept. of Zoology, Oregon State University, Corvallis 97331.*

Spatial and Temporal Patterns of Utilization of Intertidal Feeding Habitats by Migrating Shorebirds. JOANNA BURGER, MARSHALL HOWE, D. CALDWELL HAHN AND JULIA CHASE. *Dept. of Biology, Rutgers University, New Brunswick, New Jersey 08903 and National Fish and Wildlife Laboratory, National Museum of Natural History, Washington, D.C. 20560.*

Ecological Relationships of Small Antbirds in Amazonian Bird Communities. DAVID L. PEARSON. *Dept. of Biology, Pennsylvania State University, University Park 16802.*

Resource Partitioning: Nest Site Selection in Mixed Species Colonies of Herons. JOANNA BURGER. *Dept. of Biology, Livingston College, Rutgers University, New Brunswick, New Jersey 08903.*

Foraging Guild Structure of Some Pineland Bird Communities. JOHN T. EMLEN. *Zoology Dept., University of Wisconsin, Madison 53706.*

CONCURRENT SESSION B

Evolution and Systematics

Sexual and Geographic Size Variation in Long-billed Curlews. DENNIS M. FORSYTHE. *Dept. of Biology, The Citadel, Charleston, South Carolina 29409.*

Biosystematics of the Rosy Finches (*Leucosticte*) in North America. RICHARD E. JOHNSON. *Dept. of Zoology, Washington State University, Pullman 99163.*

Biochemical and Immunological Identity of Homologous Genes in Avian and Crocodilian Egg White: Some Evolutionary Implications. ALAN H. BRUSH AND MARK A. LEVINE. *Biological Sciences Group, University of Connecticut, Storrs 06268.*

Turnagra Resolved: A New Zealand Bowerbird. STORRS L. OLSON, MARY HEIMERDINGER CLENCH AND KENNETH C. PARKES. *National Museum of Natural History, Smithsonian Institution, Washington, D.C. 20560, and Carnegie Museum of Natural History, Pittsburgh, Pennsylvania 15213.*

Quantitative Assessment of Allopatric and Sympatric Populations of "Trails" Flycatchers in Ontario. JON C. BARLOW AND ROSS D. JAMES. *Dept. of Ornithology, Royal Ontario Museum, 100 Queen's Park, Toronto.*

Evolution and Covariation Patterns in the Skeletons of Moas: A Factor Analytic Study. JOEL CRACRAFT. *Dept. of Anatomy, University of Illinois at the Medical Center, Chicago 60680.*

An Anatomical Study of the Relationships of the Vireonid Assemblage. ROBERT J. RAIKOW. *Dept. of Biology, University of Pittsburgh, Pennsylvania 15260.*

The Plio-Pleistocene Ancestry of the Turkey (*Meleagris gallopavo*). DAVID W. STEADMAN. *Dept. of Zoology, University of Florida, Gainesville 32611.*

Overlap in Food Resource Utilization Between the American Redstart (*Setophaga ruticilla*) and the Least Flycatcher (*Empidonax minimus*) in a Northern Hardwoods Ecosystem. THOMAS W. SHERRY. *Dept. of Biological Sciences, Dartmouth College, Hanover, New Hampshire 03755.*

Resource Availability and Resource Utilization by a Community of Four Swallow Species and the Eastern Kingbird. GEOFFREY L. HOLROYD. *Dept. of Zoology, University of Toronto, Ontario.*

Foraging Behavior of American Redstarts in Relation to the Diurnal and Vertical Distribution of Flying Insects. R. T. HOLMES AND T. W. SHERRY. *Dept. of Biological Sciences, Dartmouth College, Hanover, New Hampshire 03755.*

CONCURRENT SESSION B

Morphology

Ecological Isolation and Structural Adaptation in Some Dendrocolaptidae and Furnariidae. RICHARD L. ZUSI. *National Museum of Natural History, Smithsonian Institution, Washington, D.C. 20560.*

Ultrastructure of the Canary's Incubation Patch: Preliminary Report. MICHAEL D. KERN AND LAURA CORUZZI. *Dept. of Biological Sciences, Fordham University, Bronx, New York 10458.*

Tracheal Elongation in Birds of Paradise. MARY HEIMERDINGER CLENCH. *Carnegie Museum of Natural History, Pittsburgh, Pennsylvania 15213.*

What, If Anything, Is a Panprodamyl Foot? CHARLES T. COLLINS. *California State University, Long Beach 90840.*

The Avian Abdominal-Costal Musculature. WALTER BOCK. *Dept. of Biological Sciences, Columbia University, New York 10027.*

Nomina Anatomica Avium. JULIAN J. BAUMEL. *Dept. of Anatomy, School of Medicine, Creighton University, Omaha, Nebraska 68178.*

THURSDAY MORNING PAPERS SESSIONS

CONCURRENT SESSION A

Communication and Vocalization

The Inheritance of Booming Display Components in Male F_1 Lesser Prairie Chicken (*Tympanuchus pallidicinctus*) \times Greater Prairie Chicken (*Tympanuchus cupido*) Hybrids. ROGER S. SHARPE. *Dept. of Biology, University of Nebraska at Omaha* 68101.

Comparative Displays of Yearling and Adult Male Wood Ducks. CARL E. KORSCHGEN AND LEIGH H. FREDRICKSON. *School of Forestry, Fisheries and Wildlife, Gaylord Memorial Laboratory, University of Missouri-Columbia, Puxico, Missouri* 63960.

Graded and Discrete Signals in Heron Communication. DOUGLAS W. MOCK. *Bell Museum of Natural History, University of Minnesota, Minneapolis* 55455.

Development of Song in a Northern Mockingbird Hand-Reared from the Egg in a Controlled Auditory Environment. SCOTT M. LANYON. *State University College at Geneseo, New York* 14454.

Vocal Mimicry in White-eyed Vireos. C. S. ADKISSON. *Dept. of Biology, Virginia Polytechnic Institute and State University, Blacksburg* 24061.

Demonstration of Individual Recognition of Song with Playback Techniques. DAVID EWERT. *Dept. of Ornithology, American Museum of Natural History, New York* 10024.

A Study of Vocal Repertoire in Boulder, Colorado, Blue Jays, Steller's Jays, Their F_1 and Backcross Hybrids. JOHN WILLIAM HARDY AND PAT WHEAT. *Florida State Museum, University of Florida, Gainesville* 32611 and 1515 Baseline, Boulder, Colorado 80302.

Species-recognition Behavior of Territorial Eastern and Mountain Bluebirds. DAVID KREIG. *Biology Dept., State University College, New Paltz, New York* 12561.

A Comparison of Eastern and Western Nuthatch Vocalizations. ROBERT C. BEASON. *Dept. of Zoology, Clemson University, Clemson, South Carolina* 29631.

Racial and Social Models of Populations in Birds: Song Dialects of *Vidua chalybeata*. ROBERT B. PAYNE. *Museum of Zoology, University of Michigan, Ann Arbor* 48104.

Behavior and Generic Status of the Rufous Flycatcher in Peru. WESLEY E. LANYON. *Dept. of Ornithology, American Museum of Natural History, New York* 10024.

CONCURRENT SESSION B

Techniques and Applied Biology

Dams, Riverine Plant Succession and Avian Species Diversity in Grand Canyon National Park. R. ROY JOHNSON AND STEVEN R. CAROTHERS. *National Park Service, Grand Canyon, Arizona* 86023 and Harold S. Colton Research Center, Museum of Northern Arizona, Flagstaff 86001.

Preliminary Investigations of the Avifauna on Reclaimed Surface Mined Lands in Eastern Kentucky. PIERRE N. ALLAIRE. *Dept. of Science and Mathematics, Lees Junior College, Jackson, Kentucky* 41339.

Succession of Breeding Seabirds Communities on Dredge Islands in Estuaries of North Carolina. ROBERT F. SOOTS, JR. AND JAMES F. PARNELL. *Campbell College, Buies Creek, North Carolina* 27506 and *University of North Carolina at Wilmington* 28401.

Bird Life in Saskatchewan—200 Years of Change. C. STUART HOUSTON. *Saskatoon, Saskatchewan* S7N 0J8.

Potential Adaptability of the Common Loon to a Man-altered Environment. JUDITH MCINTYRE. *Dept. of Zoology, University of Minnesota, Minneapolis* 55455.

Analysis of Nesting Royal Tern Populations in North Carolina. JAMES F. PARNELL AND ROBERT F. SOOTS. *Biology Dept., University of North Carolina at Wilmington* 28401 and *Campbell College, Buies Creek, North Carolina* 27560.

Locating White-tailed Kite Roosts. JOHN W. ANDERSON. *Dept. of Biological Sciences, California State University, Sacramento* 95819.

An Analysis of the Failure of the Predator Control Program for the Kirtland's Warbler (*Dendroica kirtlandii*). DANIEL S. MCGEEN. *Pontiac, Michigan* 48054.

Woodpecker Dependence on Trees Infected by Fungal Heart Rot. RICHARD N. CONNER. *Dept. of Biology, Virginia Polytechnic Institute and State University, Blacksburg* 24061.

Methiocarb—A Chemical to Make Agricultural Crops and Birds Compatible. JEROME F. BESSER. *U.S. Fish and Wildlife Service, Wildlife Research Center, Denver, Colorado* 80225.

THURSDAY AFTERNOON PAPERS SESSIONS

CONCURRENT SESSION A

General Ecology

"Ecological Saturation" of Shrub-steppe Bird Communities. JOHN T. ROTENBERRY. *Dept. of Zoology, Oregon State University, Corvallis* 97331.

Breeding Bird Populations in Relation to Habitat in Southern Ontario. WAYNE C. WEBER AND JOHN B. THEBERGE. *North Vancouver, British Columbia and Faculty of Environmental Studies, University of Waterloo, Ontario*.

Winter Activity of Gyrfalcons at their Nest-Sites in Arctic Canada. JOSEPH B. PLATT. *Laboratory of Ornithology, Cornell University, Ithaca, New York* 14853.

Nest-site Tenacity in the Common Loon. K. S. YONCE. *Dept. of Zoology, University of Manitoba, Winnipeg* R3T 2N2.

Comparative Ecological Studies of Cassin's Finch and Purple Finch. FRED B. SAMSON. *School of Forest Resources, Pennsylvania State University, University Park* 16802.

The Ecology of Farallon Island Cormorants. DAVID G. AINLEY. *Point Reyes Bird Observatory, Box 321, Bolinas, California* 94924.

Age Structure and Survivorship in Flocking Lined Seedeaters. GODFREY R. BOURNE. IES, *Miami University, Oxford, Ohio* 45056.

CONCURRENT SESSION B

Systematics

Cataloging Museum Specimen Data for Computer Retrieval. GEORGE E. WATSON AND DAVID BRIDGE. *National Museum of Natural History, Smithsonian Institution, Washington, D.C.* 20560.

The Classical Case of Character Displacement. P. R. GRANT. *Biology Dept., McGill University, Montreal, Quebec* H3C 3G1.

Taxonomic Significance of Wing Movements in Certain Tyrannids and Mimids. BURT L. MONROE, JR. *Dept. of Biology, University of Louisville, Kentucky* 40208.

Migration

Autumn Migration over Puerto Rico and the Western Atlantic: A Radar Study. W. JOHN RICHARDSON. *LGL Ltd., 44 Eglinton Ave. W., Toronto, Ontario* M4R 1A1.

Migratory Movements of Bald Eagles in Interior North America. JONATHAN M. GERHARD, SERGEJ POSTUPALSKY, DAVID L. EVANS, JAMES W. GRIER, JAMES B. HOLT, JR., ALLEN K. JACOBSEN, CHARLES R. SINDELAR, JR., AND DOUGLAS W. A. WHITEFIELD. *Dept. of Wildlife Ecology, University of Wisconsin, Madison* 53706.

The Role of the "Floater" in Migrant Population Dynamics. JOHN H. RAPPOLE. *Bell Museum of Natural History, University of Minnesota, Minneapolis* 55455.

Physiological and Behavioral Changes of the Giant Canada Goose (*Branta canadensis maxima*) Prior to Spring Migration. M. ROBERT MCLANDRESS AND DENNIS C. RAVELING. *Div. of Wildlife and Fisheries Biology, University of California at Davis* 95616.

SPECIAL EVENTS

A motion picture session Wednesday evening featured the following films:

"Manana, Island of Birds," R. SHALLENBERGER, Hawaiian Division of Fish and Game, Honolulu, Hawaii.

"Courtship behavior of Blue-footed and Brown Boobies and Magnificent Frigatebirds," THOMAS R. HOWELL, University of California at Los Angeles, Los Angeles, California.

"What Good is a Warbler?" L. T. ADAMS, Adams Film Productions, Austin, Texas.

"Great Gray Owls," R. DALTON MUIR and ROBERT R. TAYLOR, Winnipeg, Manitoba.

"Assiniboine Forest," ROBERT R. TAYLOR for the Winnipeg Real Estate Board, Winnipeg, Manitoba.

Over 150 persons viewed a special exhibit of natural history paintings by Canadian artists at the Loch Art Gallery in St. Vital Tuesday evening.

A number of bird exhibits were displayed in the University Centre, including a display of research at the Delta Waterfowl Research Station, a fossil *Hesperornis* from Manitoba, bluebird conservation in Manitoba, and carved waterfowl decoys. The newly published second edition of Ernest Thompson Seton's "Birds of Manitoba" (1891) was featured to commemorate the meeting. Another new publication of the Manitoba Department of Mines, Resources and Environmental Management, "Manitoba bird studies, a bibliography of Manitoba ornithology," by Martin McNicholl was distributed as a banquet favor.

SOCIAL EVENTS

The Council and Fellows held their symposium and dinner on Monday evening. Members attended an informal get-acquainted party Monday evening and a reception Tuesday evening in the University Centre. Associate members participated in afternoon trips to points of interest in Winnipeg on Tuesday and Wednesday afternoons and cruised aboard the "Lady Winnipeg" on the Red River Wednesday.

The annual banquet of the A.O.U. was held Thursday evening in Pembina Hall. Hugh Boyd, Director of the Migratory Birds Branch of the Canadian Wildlife Service, spoke on "Conservation as I see it: social responsibility and political accountability."

FIELD TRIPS

Over 100 persons participated in a field trip to Delta Marsh and the Delta Wildlife Research Station on Monday morning and nearly fifty more visited Oak Hammock Marsh the same afternoon. A checklist of the "Birds of Oak Hammock" had been issued to commemorate the A.O.U. meeting. Early morning field trips in the vicinity of Winnipeg were conducted daily on Tuesday, Wednesday, and Thursday. Three busloads of ornithologists skirted the west side of Lake Winnipeg on an all-day field trip to Hecla Island Provincial Park on Friday. Western Grebes, White Pelicans, Sharp-shinned Hawks, and a very

accommodating Great-horned Owl were among the bird highlights of the trip. An anticipated overnight field trip to Churchill had to be cancelled because too few persons reserved space.

RESOLUTIONS

Resolutions concerning federal collecting permits, federal system of ecological reserves, environmental protection during energy resource development, wildlife protection on Pacific Ocean Islands, federal funding for state conservation programs for endangered and threatened species, damage to seabirds by gill net fisheries, and appreciation of arrangements for the 93rd Stated Meeting were adopted at the General Session held Thursday afternoon, 27 August 1975. The specific resolutions were as follows:

RESOLUTION 1

Federal Scientific Collecting Permits

Whereas there has been appointed in the Fish and Wildlife Service a governmental committee to review the matter of the issuance of scientific collecting permits and other permits and the regulations and policies relating thereto;

Be it resolved that the American Ornithologists' Union commends the Director of the Fish and Wildlife Service for recognizing that a serious problem exists and for appointing this committee, and offers assistance to this committee in considering and reviewing the various regulations and policies relating to scientific collecting permits and to importation, transportation, and loan of scientific specimens, having in mind both bird conservation and the avoidance of unnecessary, unreasonable, and costly burdens on genuinely scientific activities.

RESOLUTION 2

Federal System of Ecological Reserves for the Preservation of Natural Diversity

Recognizing the importance of preserving not only rare and endangered species of organisms but also areas that represent the natural diversity of the biota of the United States, and recognizing the fact that no nationwide system for such preservation is in effect, the AOU commends The Nature Conservancy and the U.S. Department of the Interior for their publication *The Preservation of Natural Diversity: A Survey and Recommendations*, and also the Council on Environmental Quality and the Federal Council for Science and Technology for its publication *The Role of Ecology in the Federal Government*. The AOU urges that the Congress, in cooperation with the U.S. Department of the Interior, enact legislation that would implement the recommendations in these reports by establishing a nationwide system of ecological reserves. It is further recommended that funding be provided for selection and establishment of the reserves.

RESOLUTION 3

Environmental Protection and the Development of Energy Resources

The urgency of developing new sources of energy may cause federal agencies to permit the hasty exploitation of these sources of energy without due regard for the resulting environmental impact. The AOU requests that the Secretary of the Interior use all

powers at his disposal to assure that wise management of the environment be given full consideration in the development of petroleum reserves, coal deposits, natural gas deposits, and geothermal areas. Since the results of such development are often irreversible and in many cases little is known of the ecological resources in the area to be developed, we urge the Secretary of the Interior to assure that thorough ecological studies be conducted prior to authorization by the Bureau of Land Management and other agencies for such development as required by the National Environmental Policy Act.

RESOLUTION 4

Wildlife Protection for Islands in the Pacific Ocean

Recognizing that American Samoa, Guam and the Trust Territory of the Pacific Islands (Marshall, Mariana and Caroline Islands) contain unstudied endemic populations of plants and animals, some of which should be officially recognized as endangered or threatened, the AOU urges that the U.S. Department of the Interior provide this area with the same wildlife protection that is provided to the fifty states. In addition, we urge the United States government to initiate a comprehensive biological survey of the Trust Territory of the Pacific Islands so that conservation needs can be identified and appropriate measures can be taken.

RESOLUTION 5

Federal Funding for State Programs for the Conservation of Endangered and Threatened Species

Recognizing that Section 6 of the Endangered Species Act of 1973 provides for grant-in-aid funding for state programs for the conservation of endangered and threatened species on a matching basis; and further recognizing that funds for such programs have not been budgeted or appropriated; the AOU urges that the executive and legislative branches of the United States government provide qualifying states with such funds in the full amount allowed under the law.

RESOLUTION 6

Damage to Seabirds by Gill Net Fisheries

Recognizing the magnitude of the seabird resources of the United States, particularly in Alaska, and the present and potential damage to this resource from gill net fisheries, the AOU urges the U.S. Departments of Interior and State to fulfill obligations under migratory bird treaties with Canada, Mexico, and Japan to assure the welfare of these resources. The annual mortality of seabirds in the North Pacific from Japanese gill net fisheries is estimated to be from 200,000 to 700,000 individuals. This constitutes a violation of Article VI of the "Convention between the Government of the United States of America and the Government of Japan for the Protection of Migratory Birds and Birds in Danger of Extinction." The AOU urges the United States government to call this matter to the attention of Japanese officials and requests that corrective measures be undertaken.

RESOLUTION 7

Thanks to Local Committee on Arrangements

Whereas the American Ornithologists' Union has held its 93rd Stated Meeting at the University of Manitoba in Winnipeg and has benefitted from the arrangements

for the scientific program, the social events, and the field trips for this meeting. Therefore, we express our sincere appreciation to our host institution and the additional organizations that contributed to the meeting, Environment Canada, the Manitoba Department of Mines, the Manitoba Muséum of Man and Nature and the Manitoba Naturalists Society. We are especially grateful to the Local Committee on Arrangements and its chairman, Spencer G. Sealy, for their outstanding efforts on our behalf.

COUNCIL OF THE AMERICAN ORNITHOLOGISTS' UNION FOR 1975-1976

OFFICERS

John T. Emlen, *President*
 Wesley E. Lanyon, *First Vice-President*
 Kenneth C. Parkes, *Second Vice-President*
 George E. Watson, *Secretary*
 John A. Wiens, *Treasurer*

ELECTIVE COUNCILORS

Richard C. Banks	1976	Burt L. Monroe	1977
Brina Kessel	1976	Thomas R. Howell	1978
James R. King	1976	Harrison B. Tordoff	1978
Eugene Eisenmann	1977	Glen E. Woolfenden	1978

ADDITIONAL MEMBERS OF THE COUNCIL

Oliver L. Austin, Jr., *Editor of The Auk*
 John William Hardy, *Editor of Ornithological Monographs*

Past Presidents

Alexander Wetmore, 1926-29	Dean Amadon, 1964-66
Herbert Friedmann, 1937-39	Harold F. Mayfield, 1966-68
Hoyes Lloyd, 1945-48	John W. Aldrich, 1968-70
Ernst Mayr, 1957-59	Robert W. Storer, 1970-72
George H. Lowery, 1959-62	Joseph J. Hickey, 1972-73
Austin L. Rand, 1962-64	Donald S. Farner, 1973-75

A.O.U. COMMITTEES 1975-76

INVESTING TRUSTEES: Melvin A. Traylor, Jr., *Chairman*. Cyrus Mark, James R. Ware.

COMMITTEE ON ARCHIVES: Gorman M. Bond, *Chairman*. Dean Amadon, Elizabeth S. Austin.

COMMITTEE ON BIOGRAPHY: Charles H. Blake and Helen Hays, *Cochairmen*. Mary M. Erickson, C. Stuart Houston.

COMMITTEE ON BIRD COLLECTIONS: Mary H. Clench, *Chairman*. Jon C. Barlow, Robert W. Dickerman, James L. Gulledge, John P. Hubbard, Joseph R. Jehl, Jr., Marion Anne Jenkinson, Gary D. Schnell, François Vuilleumier, Richard L. Zusi.

COMMITTEE ON BREWSTER AND COUES AWARDS: Robert E. Ricklefs, *Chairman*. François Vuilleumier, Kenneth C. Parkes, Jack P. Hailman, Jared Verner.

COMMITTEE ON BYLAWS CHANGES: Richard C. Banks, *Chairman*. Lester L. Short, Richard L. Zusi.

- COMMITTEE FOR A.O.U. CENTENNIAL: Walter Bock, *Chairman*. Alan H. Brush, Stephen T. Emlen, Donald S. Farner, Frank B. Gill, Frances C. James, James R. King, Gordon H. Orians, Lester L. Short.
- COMMITTEE ON CLASSIFICATION AND NOMENCLATURE: Eugene Eisenmann, *Chairman*. Kenneth C. Parkes, *Vice-Chairman*; Lester L. Short, *Secretary*; Richard C. Banks, Emmet R. Blake, Thomas R. Howell, Ned K. Johnson, George H. Lowery, Jr., Robert W. Storer.
- COMMITTEE ON CONSERVATION: Warren B. King, *Chairman*. G. Vernon Bryd, Joseph J. Hickey, Cameron B. Kepler, William Post, Herbert A. Raffaele, Helen F. Snyder, Paul F. Springer, Clayton M. White.
- COMMITTEE ON ENDOWMENT: William C. Vaughan, *Chairman*. Winston W. Brockner, John R. Forbes, Cyrus Mark.
- COMMITTEE ON FINANCE: John A. Wiens, *Chairman*. Hoyes Lloyd, Cyrus Mark, Burt L. Monroe, Jr., Robert J. Newman, Melvin A. Traylor, Jr., William C. Vaughan, George E. Watson.
- COMMITTEE ON FOREIGN TRANSLATIONS: Helmut C. Mueller, *Chairman*. Dale M. Arvey, Victor Dolnik, Robert S. Hoffman, Sergej Postupalsky, M. D. F. Udvardy, George E. Watson.
- COMMITTEE ON LOCAL ARRANGEMENTS: Frank B. Gill, *Chairman*. Stephen R. Wing, *Treasurer*; John E. duPont, Catherine B. Fessenden, Crawford H. Greenewalt, Thomas E. Lovejoy III, F. Joseph Stokes, Jr., Phillips B. Street.
- COMMITTEE ON MEMBERSHIP: Laurence C. Binford, *Chairman*. Kenneth P. Able, Robert F. Andrle, Lawrence G. Balch, Jon C. Barlow, Delwyn G. Berrett, Charles T. Collins, David A. Easterla, Charles D. Fisher, Sidney A. Gauthreaux, C. Stuart Houston, John P. Hubbard, Horace H. Jeter, Douglass H. Morse, David M. Niles, Dennis R. Paulson, Stephen M. Russell, Robert W. Smart, Jerry B. Strickling, Paul W. Sykes, Harriet P. Thomas, Charles H. Trost, John L. Zimmerman.
- COMMITTEE ON NOMINATION OF ELECTIVE MEMBERS AND FELLOWS: Richard T. Holmes, *Chairman*. Keith L. Dixon, Joseph R. Jehl, Jr.
- COMMITTEE ON NOMINATION OF CORRESPONDING AND HONORARY FELLOWS: Donald S. Farner, *Chairman*; Walter Bock, J. Allen Keast.
- COMMITTEE ON THE SCIENTIFIC PROGRAM: J. Alan Feduccia, *Chairman*. Charles H. Blake, Frank B. Gill, Helmut C. Mueller.
- COMMITTEE ON PUBLIC RESPONSIBILITIES: Richard C. Banks, *Chairman*. David G. Ainley, Joel L. Cracraft, Fred G. Evenden, David B. Marshall, Richard L. Plunkett, Jr., William B. Robertson, Jr., Jared Verner.
- COMMITTEE ON THE FUTURE OF SCIENTIFIC PUBLICATIONS IN AMERICA: Thomas R. Howell, *Chairman*. Oliver L. Austin, Jr., Jerome A. Jackson, David W. Johnston, Herbert W. Kale II, Kenneth C. Parkes, Peter Stettenheim, Harrison B. Tordoff.
- COMMITTEE ON RESEARCH AWARDS: L. Richard Mewaldt, *Chairman*. Carl E. Bock, Stephen T. Emlen, Mary F. Willson.
- COMMITTEE ON RESOLUTIONS: Marshall A. Howe, *Chairman*. Elsie C. Collias, Eugene S. Morton, Warren B. King, Richard L. Zusi.
- COMMITTEE ON SCIENTIFIC AND EDUCATIONAL USES OF WILD BIRDS: John W. Aldrich, *Chairman*. Jon C. Barlow, Thomas J. Cade, J. W. Hardy, Thomas R. Howell, Brina Kessel, L. Richard Mewaldt, Burt L. Monroe, Jr., Ralph J. Raitt, Harrison B. Tordoff.

COMMITTEE ON STUDENT AWARDS: Russell P. Balda, *Chairman*. David A. Boag, Sidney A. Gauthreaux, James R. Karr, David A. Manuwal, Robert C. Stein.

CONVENERS OF WORKSHOP ON A NATIONAL PLAN FOR ORNITHOLOGY: Walter Bock, James R. King.

REPRESENTATIVE ON A.A.A.S. COUNCIL: M. D. F. Udvardy, Representative to Section F, Biological Sciences.

OBSERVER TO A.I.B.S. GOVERNING BOARD: George E. Watson.

REPRESENTATIVES TO U.S. SECTION I.C.B.P.: James C. Greenway, Jr., David B. Marshall.

REPRESENTATIVE TO NATIONAL RESEARCH COUNCIL: George E. Watson, Representative to Assembly of Life Sciences.

CHARGE TO THE A.O.U. COMMITTEE ON PUBLIC RESPONSIBILITIES

It has become increasingly clear in recent years that the programs and actions of governmental agencies, private conservation groups, and industry can have significant impact on bird populations and on the practice of scientific ornithology. The advice of the American Ornithologists' Union is occasionally sought in advance of action by such agencies, but often the officers of the A.O.U. are unaware of pertinent issues until it is too late to make a contribution. Accordingly, following recommendations by Joel L. Cracraft, Frances C. James, and David B. Marshall and endorsement by the Council, President John T. Emlen established a Committee on Public Responsibilities with Richard C. Banks as Chairman (see page 156) with the following charge:

To provide liaison between the community of professional ornithological scientists and Federal, State, and Local governments, conservation groups, industry, the nonornithological scientific community, and the public, for the following purposes:

1. To call the attention of the ornithological community to events and issues that have a significant potential for impact on birds or on the practice of the science of ornithology;
2. To solicit and to coordinate the submittal of technical ornithological information and comments relating to such issues to the appropriate authorities;
3. To suggest to government and industry the names of experts in particular phases of ornithology who can advise or consult on specific matters in which a technical ornithological opinion is necessary or desirable;
4. To convey to the public as well as to government and industry, as required, technical information about birds or the science of ornithology as it relates to issues in which such information is necessary or desirable;
5. To advise the President of the A.O.U. on the formation of *ad hoc* committees to review and investigate particular issues or to formulate official expressions of the A.O.U. on particular subjects for consideration by the Council.

Chairman Banks will welcome comments and advice on issues that the committee should consider addressed to him at *3201 Circle Hill Road, Alexandria, Virginia 22305*.

GEORGE E. WATSON, *Secretary*

TREASURER'S REPORT

(1 AUGUST 1974-31 JULY 1975)

INCOME TO ACTIVE FUND

Dues	\$33,293.44	
Subscriptions	12,635.55	
Sale of back issues of <i>The Auk</i>	864.20	
Royalties	599.19	
Advertising	2,068.03 ¹	
Donations to Active Fund	939.74	
Sale of reprints	165.90	
Income from General Endowment	9,759.02	
Income from Ruthven Deane Fund	346.28	
Income from surplus	3,974.11	
TOTAL INCOME	\$64,645.46	
Balance in account, 31 July 1974	11,070.38	
TOTAL		\$75,715.84

DISBURSEMENTS FROM ACTIVE FUND

Expenses, publication of <i>The Auk</i>	\$48,971.75	
Expenses, President	0.00	
Expenses, Secretary	1,614.58	
Expenses, Treasurer	4,760.00	
Cost of dues notices	0.00	
Cost of annual meetings	2,044.02	
Mailing of back issues of <i>The Auk</i>	66.66	
Cost of reprints	425.03	
Donations from Active Fund	510.59	
Membership list publication	2,215.25	
Membership committee expenses ²	477.15	
Coues Award expenses	105.20	
TOTAL DISBURSEMENTS	\$61,190.23	\$61,190.23
Balance in Active Fund, 1 August 1975		\$14,525.61

SPECIAL FUNDS

Brewster Memorial Fund:

Balance forward	\$ 177.30	
Income from investments	602.65	
Award (Johnson)		\$ 177.30
Expenses of producing medal		153.40
Award (King)		449.25
	\$ 779.95	\$ 779.95

¹ \$2,932.25 income less \$864.22 expenses; includes income.² Publication of "Careers in ornithology."

Bird Protection Fund:

Balance forward	\$	47.16	
Income from investments		108.14	
Cost of reprints			\$ 15.89
To Intern. Council for Bird Protection			139.41
	\$	155.30	\$ 155.30

Educational Fund:

Balance forward	\$	15.85	
Income from investments		301.32	
Donation, 1974 Local Committee		150.00	
Memberships for 39 students			\$ 312.00
Balance in account			155.17
	\$	467.17	\$ 467.17

General Endowment Fund:

Balance forward	\$	1,304.57	
W. H. Pugh (Patron)		1,000.00	
Life Membership payments		9,580.00	
Donation, A. Wetmore		500.00	
Donation, R. T. Vanderbilt		300.00	
Other donations		140.00	
Check charges			\$ 138.30
To Investing Trustees			10,000.00
Balance in account			2,686.27
	\$12,824.57		\$12,824.57

Handbook of North American Birds Fund:

Balance forward	\$	45.91	
Balance in account			\$ 45.91
	\$	45.91	\$ 45.91

Special Publications Fund:

Balance forward	\$15,491.93	
Income from investments	386.37	
Sale of Check-lists	1,466.75	
Sale of Proceedings	190.00	
Sale of Indexes	319.00	
Mailing and storage		\$ 91.34
Publication expense, Check-list		6,651.20
Publication, <i>ad hoc</i> committee report		910.00
Balance in account		10,201.51
	\$17,854.05	\$17,854.05

A.O.U. Monographs Fund:

Balance forward	\$25,321.93
Sale of Monographs	4,687.49
Donation from Tucker Foundation	5,000.00

Publication expense, Monograph No. 16	\$ 3,396.64	
Publication expense, Monograph No. 17	4,229.05	
Editorial expenses (Mengel)	10.50	
Editorial expenses (Hardy)	100.00	
Postage (Woolfenden)	200.00	
Copyrights	6.00	
Balance in account	27,067.23	
	<hr/>	
	\$35,009.42	\$35,009.42

Marcia B. Tucker Fund:

Donation from Tucker Foundation	\$ 500.00	
1975 Awards:		
Phillip F. Elliott	\$ 250.00	
Joseph L. Suchecki	250.00	
	<hr/>	
	\$ 500.00	\$ 500.00

Josselyn Van Tyne Memorial Fund:

Balance forward	\$ 1,188.67	
Income from investments	646.39	
1975 grants:		
Joseph M. Wunderlee, Jr.	\$ 300.00	
Lynne M. Miller	250.00	
Juan Guzman	475.00	
David S. Messinger	175.00	
David W. Steadman	150.00	
Jeffrey Burns	475.00	
Balance in account	10.06	
	<hr/>	
	\$ 1,835.06	\$ 1,835.06

CLOSING BALANCES

Active Fund	\$14,525.61	
Brewster Memorial Fund	—0—	
Bird Protection Fund	—0—	
Educational Fund	155.17	
General Endowment Fund	2,686.27	
Handbook of North American Birds Fund	45.91	
Special Publications Fund	10,201.51	
A.O.U. Monographs Fund	27,067.23	
Marcia B. Tucker Fund	—0—	
Josselyn Van Tyne Memorial Fund	10.06	
TOTAL		<hr/>
		\$54,691.76
Checking account, Corvallis, Oregon	\$ 2,300.81	
Uninvested cash, Chicago	3,390.75	
Variable demand notes, Chicago	49,000.00	
TOTAL		<hr/>
		\$54,691.76

JOHN A. WIENS, *Treasurer*

BREWSTER AWARD 1975



JÜRGEN HAFER

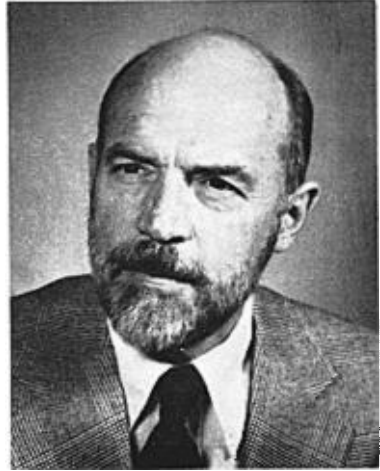
For most of the continents of the world, the basic inventory of living bird species has long been completed, and the distribution of most species has been plotted in detail. Students of zoogeography and speciation have thus had satisfactory material at their disposal on which to base analytical and synthetic work. Ironically, this has not been true of the continent with the richest avifauna of all, South America. Even now, important areas of South America are being explored ornithologically, for the first time, new species are being discovered, and distribution maps are continually being updated. Nevertheless, a tremendous amount of uncoordinated information on South American birds does already exist, and has awaited serious analysis.

In a series of brilliant papers, culminating in a major monograph recently published by the Nuttall Ornithological Club, Jürgen Haffer, a geologist by profession, has set the standards for future studies of South American ornithogeography. He has been able to draw upon an extensive knowledge of the geological history of South America and a thorough familiarity with the literatures of ornithology, geology, and evolutionary theory. Combining these with his own field work in the Neotropics, he has produced a detailed and plausible reconstruction of geological, climatological, and evolutionary events that have led to the present complex avian distribution patterns in the Andean and Amazonian regions. Almost as a by-product, he has produced revisionary studies of such neotropical bird families as manakins, jacamars, toucans, and trogons, major contributions in their own right to the taxonomic literature. The Brewster Medal for 1975 is appropriately conferred on Jürgen Haffer, who has opened a new era in the history of neotropical ornithology.

COUES AWARDS 1975



RICHARD F. JOHNSTON



ROBERT K. SELANDER

The activities of modern man have had many profound biological consequences, and among these activities has been the introduction of exotic species into regions where they had not previously occurred. The practical effects of such introductions of birds has long been studied, and appropriately so. A little more than a century after the introduction of the House Sparrow into North America, Richard F. Johnston and Robert K. Selander recognized that important information on evolutionary change might be revealed by imaginative research on the New World populations of this species and their Old World antecedents. Using sophisticated analytical and experimental techniques, Johnston and Selander examined the changes that have occurred in this bird as it invaded new and different environments and was exposed to a wide variety of selective pressures. Their research revealed a hitherto unexpected degree of morphological and ecological change that has profoundly altered previous concepts of the rates of differentiation and the subtleties of adaptation to varied environments. The influence of their work is not only of great ornithological significance but has provided new insights to the understanding of natural selection and the evolutionary process. The A.O.U. therefore presents them with an Elliott Coues Award for 1975.

WALTER BOCK

An Elliott Coues Award for 1975 is also awarded to Walter Bock. For many years studies of the avian skeletal and muscular systems have centered on comparative works dealing with systematic problems and on functional anatomy or studies of adaptation. In these approaches to anatomy Walter Bock has made

many outstanding contributions. Among them are his work on the mechanism of avian kinesis, functional analysis of bill shape, the discovery and explanation of secondary articulations of the jaws, and functional properties of muscle structure. He has also applied comparative osteology to the solution of systematic problems in a variety of avian taxa.

In this award we recognize not only these contributions but more importantly another aspect of his work. Dr. Bock has almost single-handedly stimulated a widespread interest in the principles of evolutionary morphology and adaptation by incorporating these principles into his anatomical studies and by developing new concepts. In a series of papers he has sought solutions to such problems as the evolution of new structures, the evolution of the higher taxonomic categories, the relationships between micro- and macroevolution, and the processes of the evolution of adaptations. Within a short period of time these papers have had an important impact on the fields of avian anatomy and evolution.