

PROCEEDINGS OF THE SIXTY-NINTH ANNUAL MEETING

JOHN L. ZIMMERMAN, SECRETARY

The Sixty-ninth Annual Meeting of the Wilson Ornithological Society was held Wednesday, 8 June to Sunday, 12 June 1988 at Rosemont College, Rosemont, Pennsylvania and celebrated the centennial year of the Society. The local committee chaired by Dr. Frank Gill was composed of Dawn F. Coughlan, John Guarnaccia, Steven Holt, Robert Ridgely, Mark B. Robbins, Frederick Sheldon, and Douglas Wechsler. The meeting was jointly sponsored by The Academy of Natural Sciences of Philadelphia, Hawk Mountain Sanctuary Association, Cape May Bird Observatory, Delaware Valley Ornithological Club, the Biology Department of The University of Pennsylvania, and Rosemont College.

The Council met from 13:00 to 18:00 on Wednesday, while registration for the 229 guests and members began that afternoon in Heffernan Hall. A bountiful reception for all participants was held in the evening at Alumnae Hall. Of the 17 living past-presidents, 12 were in attendance at this centennial meeting: Clait E. Braun, John T. Emlen, Jr., Abbot S. Gaunt, George A. Hall, Pershing B. Hofslund, Jerome A. Jackson, Douglas A. James, Harold F. Mayfield, Kenneth C. Parkes, Roger T. Peterson, O. S. Pettingill Jr., and Phillips B. Street. The opening session on Thursday was held in McShain Auditorium of the Science Building where the Society was welcomed for all the hosting organizations by Dr. Frank B. Gill. Dr. Mary H. Clench responded for the Wilson Society. The scientific program included paper presentations on Thursday and Saturday in McShain Auditorium and Lawrence Hall Auditorium and a poster session in Alumnae Hall.

Of special note was the Thursday evening bird quiz, featuring slides from the VIREO collection. It was composed of three parts: a North American set of which Steve Sibley identified the most correctly, a world-wide set for which Guy Tudor won first prize, and an especially difficult set that pitted a panel of "old heads" against some younger folks. The final scores for this last competition were inversely proportional to the mean age of the respective panels.

A special Centennial Day celebration was held at The Academy of Natural Sciences of Philadelphia, where the Society was welcomed by Keith Thompson, President of the Academy. The highlight of the program was a symposium on the Paridae developed by Dr. Frank B. Gill and Dr. Millicent S. Ficken. This was followed by workshops on communication and social organization among the parids and presentations by George A. Hall on Alexander Wilson, and overview of the Society's history by Jerry Jackson, and a panel discussion on the Wilson Society in the year 2000 by Mary Clench, Phillips Street, Elliot Tramer, Stan Senner, and Danny Ingold. There was also the opportunity to take a trolley tour of historic Philadelphia, which included a visit to Old Swede's Church, the site of Alexander Wilson's grave. This extraordinary day ended with a gala buffet reception served in the galleries of the Academy.

This was also the year of the George Miksch Sutton bird art competition, arranged by Kenneth C. Parkes. The entries were displayed in the gallery of Lawrence Hall. Those attending on centennial day could also see the work of Guy Tudor from the "Birds of South America," Don Eckelberry from "Birds of the West Indies," and John Gwynne from the "Birds of Panama" on display at the Academy.

Early morning field trips on Thursday explored Ridley Creek State Park and on Saturday visited Mill Grove, the home of John James Audubon near Valley Forge. There were well-

planned spouse-guest tours, including a trip to Winterthur in Delaware and another to Lancaster County. On Sunday, all-day field trips were conducted to the Hawk Mountain sanctuary and southern New Jersey, including Cape May.

The annual banquet was held in the cafeteria of Cardinal Hall on Saturday evening. President Clench read greetings from the Hon. Ronald Reagan, President of the United States, offered in recognition of the centennial of the Society. The following awards were presented:

EDWARDS PRIZE (for the best major article in volume 99 of *The Wilson Bulletin*):

Peter W. Hicklin, "The migration of shorebirds in the Bay of Fundy," *Wilson Bull.* 99: 540-570.

LOUIS AGASSIZ FUERTES AWARD

Daniel R. Petit, "Foraging ecology and habitat selection of migratory neotropical birds during winter in Belize, Central America."

PAUL A. STEWART AWARDS

James R. Belthoff, "Does behavioral dominance drive dispersal in birds? A test of the hypothesis."

William L. Benner, "Range expansion and rapid evolution in the House Finch."

Toni L. DeSanto, "Physiological and ecological factors influencing prey selection in the White Ibis."

Andrea Dinep, "Post-nestling ecology of White Ibis chicks: the adaptive value of creeping behavior."

Lawrence D. Igl, "Dickcissel site tenacity and mate fidelity in response to habitat alteration."

Mark Korodan, "Effect of forest and oldfield fragmentation on neotropical migrants in northwest Arkansas."

Elmer J. Stewart, "Information center hypothesis in the European Starling: importance of roost formation to food finding."

Lori A. Willimont, "Sexual dimorphism and foraging ecology of the West Indian Red-bellied Woodpecker, an island species, and the Red-bellied Woodpecker, a continental species."

Maria E. Zaccagnini, "Patch use of wintering Canada Geese in urban environment."

MARGARET MORSE NICE AWARD

Jeff H. Hardt, "DuPage County bluebirds: behavior, breeding, and population dynamics."

GEORGE MIKSCH SUTTON AWARD

Tracy Pedersen

ALEXANDER WILSON PRIZE (for best student paper)

Gonzalo Castro, Academy of Natural Sciences, Philadelphia and the University of Pennsylvania, "Assimilation efficiency of Sanderlings (*Calidris alba*) feeding on horse-shoe crab eggs (*Limulus polyphemus*)."

Selection committees for these awards: Edwards Prize—Keith L. Bildstein, Kathy G. Beal, and Albert Conway; Fuertes, Stewart, and Nice Awards—C. Dwight Cooley, Jon C. Barlow, and T. David Pitts; Sutton Prize—Bob Peck, Charles Blem, and J. William Hardy; Wilson Prize—Jon Barlow, Herb Kale, and Peter Hicklin.

Members and guests then enjoyed an illustrated lecture on the “History of Bird Illustration,” presented by Robert M. Peck, Fellow, Academy of Natural Sciences of Philadelphia.

FIRST BUSINESS MEETING

The first business meeting was called to order by President Clench at 09:30, Thursday, 9 June in McShain Auditorium of the Science Building. Secretary Zimmerman summarized the highlights of Wednesday’s Council meeting. Of special note is a dues increase that will become effective in 1989: \$21 regular membership, \$15 student membership, \$25 family membership, \$30 sustaining membership, and \$500 life membership. Subscription rates are also to be increased to \$40 domestic, \$45 foreign. The Council also voted to discontinue the student membership awards, but eliminated the 4-year limit on student membership. As long as a student can validate his (her) status, student rates will apply. The current membership of the Society is 2286, a decrease of 2% from last year. The membership was also informed that Editor Blem had been reelected for another year.

The following amendment to Section 5 of the Constitution was approved for submission to the membership at the next annual meeting:

Section 5. The officers of the Society, all past presidents of the Society, and six additional members who shall be elected by ballot of the Society, shall constitute an Executive Council. The term of office for the six elected members of the Executive Council shall be three years, without re-election, with terms staggered so that the terms of two such members expire each year. The Executive Council shall also constitute the Board of Directors of the Corporation. The business of the Society not otherwise provided for shall be in the hands of the Executive Council, which shall pass upon any urgent matters that cannot be deferred until the next annual meeting. Seven members of the Council shall constitute a quorum.

This change increases the elected members of the Council to 6 and increases the quorum to 7.

Lastly Zimmerman asked those in attendance to stand to honor those members who had died since we last met together—Robert S. Arbib, Jr. (Mamaroneck, NY), Mrs. Herbert (Betty) Carnes (Scottsdale, AZ), William W. Cole, Jr. (Cammilus, NY), Mrs. Esther Cogwell Conboy (Urbana, OH), Joseph M. Heiser, Jr. (Houston, TX), Morgan V. Jones III (Fogelsville, PA), James R. Koplin (Arcata, CA), Carl S. Marvel (Tucson, AZ), Orville O. Rice (Topeka, KS), Ralph W. Schreiber (Los Angeles, CA), Floyd P. Wolfarth (Blairstown, NJ), and Charlie W. Wooten (Elgin, SC).

Gary Ritchison, representing the Nominating Committee (Curtis S. Adkisson, chair, Gary Richison, and James D. Rising), presented the following slate for consideration by the membership: President—Mary Clench, First Vice-president—Jon Barlow, Second Vice-president—Richard Banks, Secretary—John Zimmerman, Treasurer—Robert Burns, Elected Council Member for 1989–1991—Keith Bildstein.

Robert D. Burns gave the treasurer’s report.

REPORT OF THE TREASURER
1 JANUARY 1987 TO 31 DECEMBER 1987

GENERAL FUNDS

RECEIPTS

Dues collected in 1987

Regular and Sustaining Memberships for 1987	\$ 10,662.00
Regular and Sustaining Memberships for 1988	15,195.00
Student Memberships for 1987	1,272.00
Student Memberships for 1988	968.00
Family Memberships for 1987	160.00
Family Memberships for 1988	<u>340.00</u>

TOTAL DUES

\$ 28,597.00

Subscriptions to *The Wilson Bulletin*

For 1987	\$ 5,998.00
For 1988	<u>3,643.50</u>

TOTAL SUBSCRIPTIONS

\$ 9,641.50

Back issues of <i>The Wilson Bulletin</i>	\$ 488.50
Interest and Dividends	\$ 19,831.32
Royalties	\$ 3,310.25
Contributions from Authors	\$ 16,830.00
Contributions to The Van Tyne Library	\$ 17.00
Contributions to the Student Membership Endowment	\$ 566.00
Contributions to General Endowment (Life Members and Patrons) ...	\$ 4,562.50
Contributions to the Edwards Prize	\$ 700.00
Contributions to the Wilson Prize Endowment	\$ 238.41
Contributions to the Sutton Award	\$ 164.00
Contributions to the Centennial Fund	\$ 8,791.00
Surplus funds from the Annual Meeting	<u>\$ 649.33</u>

TOTAL RECEIPTS

\$ 94,386.48

DISBURSEMENTS

The Wilson Bulletin

December 1986	\$ 13,944.94
March 1987	12,895.77
June 1987	13,149.83
September 1987	16,740.49
Editorial Expenses	4,968.81
Colorplates	<u>2,254.14</u>

TOTAL PRODUCTION COSTS

\$ 63,953.98

OSNA Expenses (Newsletter portion, \$2,855.84)

\$ 10,200.00

Student Awards

\$ 2,600.00

Treasurer's Expenses

\$ 297.03

Mailings, Student Membership Award Notices

\$ 27.72

ICBP Dues

\$ 0.00

Subscriptions and OSNA Refunds

\$ 197.50

Printing and Mailing of Back Issues of the Bulletin

\$ 0.00

Incorporation Fee

\$ 5.00

Deposit to endowment

\$ 9,639.91

Bank Charges	\$ 32.72
Centennial meeting expenses	\$ 1,660.64
Letterhead stationary	\$ 52.88
TOTAL DISBURSEMENTS—1 January 1987 to 31 December 1987	\$ 88,667.38
BALANCE	\$ 5,719.10

ENDOWMENT FUNDS

George M. Sutton Color Plate	\$ 51,345.86
Alexander Wilson Prize	2,182.41
Fuertes/Nice Awards	10,080.00
Stewart Awards	21,316.00
Ernest P. Edwards Prize	2,350.32
General Endowment	151,805.95

The Editor's report was presented by Charles R. Blem.

EDITOR'S REPORT—1987

In 1987, 175 manuscripts (64 major papers, 111 short communications) were submitted to *The Wilson Bulletin* offices. This is a 6% decrease over the number of manuscripts submitted in 1986. Of these, 52% have been accepted, 43% have been rejected, 5% have been returned to authors for revision, and none remain under review. This amounts to an acceptance rate of approximately 58% for manuscripts submitted as major papers and 55% for manuscripts submitted as short communications. These figures are not precise because some papers submitted as major papers were accepted only after being shortened to short communication length. Manuscripts accepted for publication are usually published within 3–8 months of acceptance. Frontispiece articles may require a bit longer because there is only one such paper per issue. Major papers received by the current editor in 1987 were returned to the author within 77 ± 44 days of receipt. Short communications received in 1987 were returned within 60 ± 33 days of receipt.

I am indebted to the staff of Allen Press for their help in initiating a new editor. I particularly thank Arly Allen, Ken Blair, Guy Dresser, Douglas Wasson, and Sharon Kindall. I am extremely grateful to Assistant Editors Leann Blem, A. E. Conway, and Anne Wenner; the Editorial Board Kathy G. Beal, D. F. Caccamise, R. N. Conner, C. H. Stinson, and J. R. Walters; Review Editor George Hall; Color Plate Editor William A. Lunk; Index Editor Kathy G. Beal; numerous members of the WOS, particularly R. Banks, R. Burns, C. Braun, M. Clench, S. Gaunt, J. Barlow, J. Jackson, and the more than 260 volunteer referees who so kindly reviewed manuscripts over the past year. I am also indebted to J. E. Jeffrey, Chairman of the Department of Biology, Virginia Commonwealth University, and Dean Elske and Vice-president Smith for support of my efforts and the editorial office. Karen Blem deserves special acknowledgment for keeping all of the paperwork in order and putting up with her dad's nagging. Finally, I want to express my profound appreciation to the past editor, Keith Bildstein, for his unselfish assistance and kind hospitality. Keith is a dedicated biologist who combines keen insight with a lively personality and he will be hard to follow.

I have enjoyed my first year as editor. I take the responsibility very seriously and am concerned that we maintain the quality of the journal, attract a wider readership, and continue to retain the qualities that make *The Wilson Bulletin* journal. I know that not all who submit manuscripts to the journal will feel entirely satisfied with the process. However, it is our intention to treat every author fairly, handle each manuscript promptly and carefully, and

to do everything we can do to encourage submission of manuscripts. As the submission rate increases, the rate of rejection also must increase. However, this is one way to improve the quality of the journal, and I hope we are all in favor of that.

In the absence of Doris Watt, President Clench announced that a video tape of next year's meeting site, St. Mary's College, Notre Dame, IN, will be made available, and encouraged the membership to reserve the dates of the meeting, 25–28 May 1989.

George Hall moved and A. S. Gaunt seconded that the meeting be adjourned.

SECOND BUSINESS MEETING

President Clench open the second business meeting at 13:25, Saturday, 11 June in McShain Auditorium. The report of the Auditing Committee was received.

We, the undersigned, met on 9 June 1988 to review the financial records presented by the treasurer covering the period from 1 January 1987 to 31 December 1987. Upon checking these records, we are satisfied that they accurately reflect the financial operations of the Society. We believe the balances shown for the general, designated, and endowment funds are accurately stated. Furthermore, they show that the Society is in excellent financial health. The Auditing Committee commends Dr. Burns for his diligent performance in fulfilling the duties of treasurer for 1987.

Hubert P. Zernickow, Chairman
William A. Klamm
Harold Ratcliff
Robert A. Whiting

A motion to accept this report was made by Jerry Jackson and seconded by Chandler Robbins, and passed by the membership.

Treasurer Burns briefly reviewed the rationale for the dues increase. Then President Clench recalled the report of the Nominating Committee to the floor. In the absence of additions, Kathleen Klimkiewicz moved and Chandler Robbins seconded that the nominations be closed, and the motion passed. It was then moved by Peter Stettenheim and seconded by Herb Kale to elect the slate by acclamation. This motion also passed.

Tom Bancroft, chair (other members—Scott Wood, Jon Barlow, and Richard Banks), offered the report of the Resolutions Committee.

REPORT OF THE RESOLUTIONS COMMITTEE

WHEREAS, the ornithological collections of the British Museum (Natural History) are the largest and among the scientifically most important in the world, and

WHEREAS, these collections are viewed by ornithologists from around the world, not only as a national treasure of the United Kingdom, but of international importance, and

WHEREAS, the health of the collection depends upon its growth and use, and

WHEREAS, avian systematics is a vital and important field of research with major impacts on many applied disciplines, and

WHEREAS, ornithological collections are critical to an ever widening array of studies of both systematics and environmental problems,

THEREFORE BE IT RESOLVED, that the Wilson Ornithological Society deplores the reduction in support to the ornithological collections of the British Museum (Natural History) and regretfully predicts that this reduction will lead to the abdication of the United Kingdom from its traditional role of leadership not only in systematic ornithology but in ornithology in general.

Glen Wolfenden moved and Dick Stiehl seconded the motion to accept this resolution, and the motion passed.

WHEREAS, the Endangered Species Act is one of America's most important laws for protecting plant and animal species, and

RECOGNIZING that this act focuses public attention on society's responsibility to balance wildlife preservation with more immediate economic well-being, and

RECOGNIZING that the proposed amendments provide funding and protection to help avoid endangerment, recover listed populations, and monitor recovery after delisting, and

RECOGNIZING that the proposed amendments are necessary to establish monitoring programs, provide funding, and hasten effective recovery plans,

THEREFORE BE IT RESOLVED, that the Wilson Ornithological Society recommends that the United States Senate quickly pass a bill similar to that passed by the House of Representatives and resolve differences between them. All provisions in the proposed Senate bill are important and should be retained and no amendments weakening these provisions should be appended.

David Blockstein moved that this resolution be accepted. George Clark seconded the motion and it passed.

WHEREAS, biological diversity is indispensable to the natural functioning of ecosystems, provides raw material, products, and ideas for human civilizations, and provides aesthetic pleasure, emotional well-being, and spiritual enlightenment, and

WHEREAS, the Earth's biological diversity is now being reduced at a rate without precedent in human history and this rate appears certain to increase greatly over the next several decades, and

WHEREAS, the deterioration of the biological diversity of the planet is a significant concern of scientists and a serious problem for humanity, and

WHEREAS, present scientific understanding of the components of biological diversity is inadequate for its conservation and sustainable use,

THEREFORE BE IT RESOLVED that the Wilson Ornithological Society asks the Congress of the United States to approve legislation that will: make the conservation of biological diversity a national goal and a national priority; require biological diversity to be a paramount consideration in Federal land-use planning; and support efforts to understand biological diversity. We ask that this legislation create a National Center for Biological Diversity, a National Scientific Advisory Committee on Biological Diversity, and provide increased financial support for basic scientific research in systematics, organismal biology, and ecology.

Scott Wood moved, Kathleen Klimkiewicz seconded, and the members voted to accept this resolution.

WHEREAS, both terrestrial and aquatic ecosystems provide essential breeding, migratory and wintering habitat for birds, and

WHEREAS, emissions causing acid precipitation affect a diversity of habitat types and the birds using them, and

WHEREAS, there is mounting evidence that continuing acidification of the environment has multiple negative effects on birds, both in reduction of the food base and the mobilization of heavy metals and toxins in the food chain, and

WHEREAS, the National Acid Precipitation Assessment Program omitted any mention of birds in its interim report,

THEREFORE BE IT RESOLVED that the Wilson Ornithological Society urge NAPAP to include examination of the impact of acid rain on the avifauna of North America in its final report.

Judy McIntyre moved to accept this resolution. Scott Wood seconded the motion. It it was approved.

WHEREAS, National and International Parks are important refuges for resident wildlife and plants, and

WHEREAS, National and International Parks offer important resources for stopover places for migrant birds in transit, and

WHEREAS, National and International Parks have important recreational and educational values for humans throughout the world, and

WHEREAS, National and International Parks contribute to a better world environment and therefore help mankind in general,

THEREFORE BE IT RESOLVED that the Wilson Ornithological Society expresses its appreciation to The Nature Conservancy and to the countries who have allowed The Nature Conservancy to help in setting up numerous Parks and Preserves within their boundaries.

In response to a motion by Jerry Jackson and a second by Chandler Robbins, this resolution was accepted.

WHEREAS, the Deutsche Ornithologische-Gesellschaft has made major and lasting contributions to the body of scientific information about birds, and

WHEREAS, the Deutsche Ornithologische-Gesellschaft is holding its 100th stated meeting during September 1988,

THEREFORE BE IT RESOLVED that on the occasion of our centennial, the Wilson Ornithological Society sends its congratulations to the Deutsche Ornithologische-Gesellschaft for its tradition of highest excellence in promoting ornithology and conservation.

Glen Wolfenden moved and Russ Balda seconded the motion to accept this resolution, and by vote of the Society, it was.

ON THE OCCASION of the Centennial of the Wilson Ornithological Society, the members attending its celebration in Philadelphia, Pennsylvania, send their greetings and good wishes to Robert and Judy Mason, long-time members of the Society and devoted students of the natural world.

FURTHERMORE, those of us fortunate enough to be able to gather for this happy occasion, express our heartfelt thanks to Robert and Judy for their generosity, caring thoughtfulness, and concern for the future by helping to ensure that the Wilson Ornithological Society will be able to continue its strong membership and to support field studies of living birds.

WE WISH Robert and Judy long life and continued joy in the world of birds.

Richard Banks moved that we accept this resolution. Dick Stiehl seconded the motion and it was passed.

ON THE HAPPY OCCASION of Dr. Robert D. Burns' completing his tenth year of service as treasurer of the Wilson Ornithological Society,

WE, THE MEMBERS gathered for the centennial meeting of the Society, congratulate Bob Burns and express our sincere gratitude for his hard work, his devotion to what (at times) must seem like a thankless task, and his guardianship of our treasury. We have benefited from Bob's pulling the Society out of a serious financial crisis in 1979, and from his careful stewardship and organization of our funds since he took office. Truly, any society could take a leaf from the Wilson book and find themselves a canny Scot who watches every penny as if it were his own (although he knows that it isn't).

BOB, WITH GRATITUDE WE SALUTE YOU. Long may your careful ways profit the Society.

Sandy Gaunt moved that this resolution be accepted. Charles Collins seconded the motion, and the Society approved with a loud hurrah.

WHEREAS, 1988 marks the hundredth anniversary of the founding of The Wilson Ornithological Society, and

WHEREAS, the annual meeting for 1988, the Centennial Celebration, was graciously

sponsored by the Academy of Natural Science of Philadelphia, The Cape May Bird Observatory, The Delaware Valley Ornithological Club, the Hawk Mountain Sanctuary Association, the University of Pennsylvania Biology Department, and Rosemont College, and

WHEREAS, the superb facilities and beautiful campus of Rosemont College enhanced the congenial atmosphere and collegiality of the meeting, and

WHEREAS, the Academy of Natural Sciences contributed a Centennial Celebration day of grand proportions, and

WHEREAS, the Scientific Program Committee arranged a series of informative and interesting lectures, poster sessions, and discussions, and

WHEREAS, Frank B. Gill and Millicent S. Ficken produced a symposium international in breadth and exciting in content, and

WHEREAS, the Committee on Local Arrangements provided a full calendar of social events to entertain and inform participants,

THEREFORE BE IT RESOLVED that the members of the Wilson Ornithological Society express their sincere appreciation to the Committees on Local Arrangements, on Scientific Program and on the Centennial Day Celebration; to the sponsors of the meeting; and especially to Frank Gill and Dawn Coughlin, who all contributed to a most enjoyable and edifying gathering.

Phillips Street moved that this resolution be accepted. Doug James seconded the motion and it was passed by the membership.

A motion was made by George Hall to adjourn the meeting and a second was provided by Scott Wood.

The reports of the standing committees follow.

REPORT OF THE COMMITTEE ON STUDENT MEMBERSHIP

The announcement of the awards was published in the Ornithological Newsletter in August. Three applications were received, and three awards were given: Fred Mikesell, Kansas State University; Iris Velazquez, University of Puerto Rico; and Abby White, University of Minnesota.

The student membership awards were initially made from funds specified for that purpose in memory of the late Aaron M. Bagg, and thus cost the society "only" the time of the committee members and possibly some costs in soliciting and processing membership applications. It is obvious from our review that the activities of the committee from 1976 to the present involved much time and effort and considerable funds (e.g., in 1985, 230 letters were mailed to selected WOS members who were in positions to identify potential student members, and the WOS paid \$364 for the dues of 26 student awardees). We are aware that members of the Council strongly feel that student membership awards recruit continuing members. We wish to point out that any correlation between membership awards and continuing membership does not identify the award as the cause of membership, it merely may indicate the cleverness of the committee in identifying young ornithologists who are not members. (Secretary's note: considerable data were presented by the committee in support of their argument, but I have deleted this for the sake of brevity). We believe that these data constitute compelling evidence that the great majority of the 56 awardees who continue as WOS members would have joined the Society without a membership award. We think that the time and money expended on student membership awards could be invested in a more productive way.

If the Society wishes to aid student members, we offer the following suggestions: (1) Remove the limit of 4 years on student memberships and allow student rates to all students as long as they are students, and (2) Lower the membership fee for students. The WOS

student membership appears to be one of the highest of any society (78% of regular membership, equalled by the AFO and the Ecological Society). COS student fees are only 65% of regular membership, and 63% of regular membership in the Animal Behavior Society, and (3) establish one or more prizes for the best student papers at the annual meeting that award 4 years of free membership. We are not convinced that any of these strategies will increase the number of students who become and remain members of the Society.

Helmut C. Mueller, *Chair*

LIBRARY COMMITTEE REPORT—1987

If this report seems unusually brief, it is not due to any lull in the Josselyn Van Tyne Library's activity, but simply because the exigencies of other matters have resulted in rather late and hurried preparation. The year 1987 has been a fairly good one.

From 28 donors have come 1050 items: 18 books, 457 journal issues, 552 reprints, 97 reports and monographs, 6 translations, 17 maps, 2 dissertations, and a computer program. Donors were: R. Bayer, A. J. Berger, B. Collins, W. N. Davey, J. Gapyczynski, L. Garrett (for Patuxent Wildlife Research Center), S. M. Goodman, G. Hall (*Wilson Bulletin* review copies), J. Hinshaw, S. Holohan, J. Kennington, H. Lapham, F. E. Lohrer, P. E. Lowther, W. A. Lunk, W. B. McIntosh, S. B. McNair, D. McNair, J. S. Marks, H. Mayfield, R. B. Payne, R. O. Prum, S. Reinert, S. W. Richards, D. Siegel-Causey, R. W. Storer, Col. L. R. Wolfe, and H. Zernickow.

From the New Book Fund, 26 books, indices, and reports were purchased for \$422.66. The 21 items sold brought a return of \$219.15.

Received by the library were 212 journals and other items: 161 titles from 118 direct exchanges; 41 titles as gifts, from 31 members and institutions; and 10 titles from 6 subscriptions.

Our record of loans is up from last year in total items: 306. However, the 70 transactions involving 36 members and libraries is somewhat down. The more our collections are used, the better.

Once more, the committee is appreciative of all the support received.

William A. Lunk, *Chair*

There were no written reports from the Membership Committee or the Conservation Committee.

The Committee on Scientific Program was chaired by Richard C. Banks. The following members assisted as session moderators: Richard C. Banks, Bruce M. Beehler, Keith L. Bildstein, R. Michael Erwin, Millicent S. Ficken, Mercedes S. Foster, Frank B. Gill, J. William Hardy, M. Kathleen Klimkiewicz, Judy W. McIntyre, Henri Ouellet, Stanley E. Senner, Charles R. Smith, and Kimberly G. Smith.

PAPERS SESSION

- D. A. Gross, Ecology III, Berwick, PA, and D. W. Brauning, Acad. Natural Sciences, Philadelphia, PA, "Pennsylvania breeding bird atlas in north central Pennsylvania: Discoveries, methods, and new directions."
- H. W. Kale, II, Florida Audubon Soc., Maitland, FL, "The Dusky Seaside Sparrow: An obituary."
- C. T. Collins and K. McDaniel, Dept. Biology, California State Univ., Long Beach, CA, "Food habits of three syntopic swifts in Borneo."
- C. W. Benkman, Dept. Biology, Princeton Univ., Princeton, NJ, "On the evolution of island populations of crossbills (*Loxia*)."

- T. C. Grubb, Jr., Dept. Zoology, Ohio State Univ., Columbus, OH, "Ptilochronology: Feather growth as an indication of net energy status."
- T. A. Waite, Dept. Zoology, Ohio State Univ., Columbus, OH, "A ptilochronology study of the value of cached food to Gray Jays wintering in Alaska."
- J.-P. L. Savard, Canadian Wildlife Service, Ste Foy, Quebec, and P. Lamothe, Quebec Hydro, Quebec, "Distribution, abundance and ecology of Black Scoters (*Melanitta nigra*) and Surf Scoters (*M. perspicillata*) in northern Quebec."
- C. M. Johnson, Vanasse Hangen Brustlin, Inc., Providence, RI, and G. A. Baldassare, Environmental and Forest Biology, SUNY College of Environ. Sci. and Forestry, Syracuse, NY, "Aspects of the wintering ecology of Piping Plovers in coastal Alabama."
- M. T. Jones and R. E. Mirarchi, Dept. Zoology and Wildlife Sci., Auburn Univ., Auburn, AL, "Habitats used by Common Ground Doves (*Columbina passerina*) in the coastal plain of Alabama."
- D. Klem, Jr., Dept. Biology, Muhlenberg College, Allentown, PA, and C. J. Veltri, Tufts Univ. School Veterinary Medicine, Boston, MA, "Avian collision injuries."
- R. L. Zusi, National Mus. Natural History, Washington, DC, "Bilateral asymmetry in the skulls of certain hummingbirds."
- J. A. Gerwin, North Carolina State Mus. Natural Sci., Raleigh, NC, and R. M. Zink, Dept. Zoology, Louisiana State Univ., Baton Rouge, LA, "Phylogenetic patterns in the genus *Heliodoxa*: An allozymic perspective."
- R. C. Banks, Fish and Wildlife Service, National Mus. Natural History, Washington, DC, "How many Curve-winged Sabrewing Hummingbirds?"
- J. C. Barlow, Dept. Ornithol., Royal Ontario Mus., Toronto, ONT, "Genetic polymorphism in a population of Eastern Meadowlarks in West Texas."
- J. C. Bednarz, Hawk Mountain Sanctuary Assoc., Kempton, PA, "Cooperative breeding in the Harris' Hawk (*Parabuteo unicinctus*): A test of the habitat saturation hypothesis."
- S. Wiles-Ehmann, Environmental and Forest Biology, SUNY College of Environ. Sci. and Forestry, Syracuse, NY, "The sexy swallow hypothesis: Do high copulation frequencies function to insure paternity?"
- H. Landel, Dept. Biological Sci., Purdue Univ., West Lafayette, IN, "Correlates of male mating success in the lek-breeding Sharp-tailed Grouse (*Tympanuchus phasianellus*)."
- M. S. Foster, U.S. Fish and Wildlife Service, National Mus. Natural History, Washington, DC, "Habitat distribution and dispersion of male Dwarf Tyrant Manakins (*Tyrannetes stolzmanni*)."
- B. M. Beehler, Smithsonian Instit., Washington, DC, "Lek behavior of the Raggiana Bird of Paradise (*Paradisaea raggiana*)."
- C. L. Berman, Dept. Entom. and Applied Ecology, Univ. Delaware, Newark, DE, "Con-specific brood parasitism in House Sparrows (*Passer domesticus*)."
- K. C. Derrickson, National Zoological Park, Washington, DC, "Bigamy in Northern Mockingbirds (*Mimus polyglottos*): How does he get away with it?"
- R. N. Conner and D. C. Rudolph, Southern Forest Experiment Sta., Nacogdoches, TX, "Possible causes for the decline of Red-cockaded Woodpeckers (*Picoides borealis*) on two national forests in eastern Texas."
- K. G. Smith and C. J. Kellner, Dept. Zoology, Univ. Arkansas, Fayetteville, AR, "Influence of periodic cicadas on habitat selection of forest birds."
- M. T. Jones and R. E. Mirarchi, Dept. Zoology and Wildlife Sci., Auburn Univ., Auburn, AL, "Distribution and status of the Common Ground Dove (*Columbina passerina*) in Alabama."
- J. R. Sauer and D. K. Dawson, U.S. Fish and Wildlife Service, Patuxent Wildlife Res. Center, Laurel, MD, "Adjusting within-year capture data from migration banding stations to provide an index to the number of migrants."

- J. B. Dunning, Jr., Dept. Zoology, Univ. Georgia, Athens, GA, S. Mills, SWCA Inc., Tucson, AZ, and J. M. Bates, Mus. of Zoology, Louisiana State Univ., Baton Rouge, LA, "Response of native and exotic bird species to urbanization in Tucson, Arizona."
- J. R. Mason, USDA/APHIS/ADC, Monell Center, Philadelphia, PA, R. W. Bullard, USDA/APHIS/ADC, Denver Wildlife Res. Center, Denver, CO, R. A. Dolbeer USDA/APHIS/ADC, Sandusky, OH, and G. M. Linz, USDA/APHIS/ADC, Denver Wildlife Res. Center, Denver, CO, "Sunflower varietal resistance: Importance of oil and anthocyanins."
- J. Schmutz, Dept. Fishery and Wildlife Biology, Colorado State Univ., Ft. Collins, CO, "Extended primary molt in Wild Turkeys (*Meleagris gallopava*) in Colorado."
- R. W. Dexter, Dept. Biological Sci., Kent State Univ., Kent, OH, "Fidelity to mate and nesting site by Chimney Swifts (*Chaetura pelagica*)."
- D. J. Ingold and J. A. Jackson, Dept. Biological Sci., Mississippi State Univ., Mississippi State, MS, "Nest-site fidelity in Red-headed and Red-bellied woodpeckers (*Melanerpes erythrocephalus* and *M. carolinus*) in east-central Mississippi."
- S. D. Duncan, E. W. Burkett, and C. A. Niemczyk, Dept. Biological Sci., Univ. Wisconsin-Milwaukee, Milwaukee, WI, "Auditory mimicry in the nestling flicker (*Colaptes auratus*)."
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- J. R. Belthoff, Dept. Biological Sci., Clemson Univ., Clemson, SC, and G. Ritchison, Dept. Biological Sci., Eastern Kentucky Univ., Richmond, KY, "Post-fledging behavior of the Eastern Screech-owl."
- G. Ritchison, Dept. Biological Sci., Eastern Kentucky Univ., Richmond, KY, "The singing behavior of Eastern Screech-owls: Seasonal timing and response to playback of conspecific song."
- M. P. Losito, R. E. Mirarchi, and G. A. Baldassare, Dept. Zoology and Wildlife Sci., Auburn Univ., Auburn, AL, "Activity budgets of hatching year (HY) Mourning Doves (*Zenaidura macroura*) in north Alabama."
- N. Verbeek, Biological Sci., Simon Fraser Univ., Burnaby, BC, "Egg color and intraspecific egg predation in crows."
- B. Torres, Dept. Zoology, Ohio State Univ., Columbus, OH, "Can chicks survive on a vegetarian diet?"
- D. G. Jorde, Patuxent Wildlife Res. Center, Laurel, MD, K. J. Reinecke, Patuxent Wildlife Res. Center Field Station, Vicksburg, MS, and R. B. Owen, Jr., Univ. Maine, Orono, ME, "Specific dynamic effect provides energy for thermoregulation in Black Duck (*Anas rubripes*)."
- A. R. Place, Center of Marine Biotechnology, Univ. Maryland, Baltimore, MD, and E. T. Stiles, Dept. Biology, Rutgers Univ., Piscataway, NJ, "Poor and slow assimilation are not prerequisites for wax digestion."
- W. B. Quay, Napa, CA, "Comparative differences in percent abnormal sperm in North American wood warblers (Parulinae): Geographic, ecologic and etiologic factors."
- D. A. James and S. C. Hahus, Dept. Zoology, Univ. Arkansas, Fayetteville, AR, "Effects of algae in the diet on body condition of the American Goldfinch (*Carduelis tristis*)."
- G. Castro, Acad. Natural Sciences and Dept. Biology, Univ. Pennsylvania, Philadelphia, PA, "Assimilation efficiency of Sanderlings (*Calidris alba*) feeding on horse-shoe crab eggs (*Limulus polyphemus*)."
- L. Clark, Monell Chemical Senses Center, Philadelphia, PA, "Olfactory thresholds of starlings (*Sturnus vulgaris*), Brown-headed Cowbirds (*Molothrus ater*) and Tree Swallows (*Tachycineta bicolor*)."
- J. Hargrove, Dept. Biology, Winthrop College, Rock Hill, SC, "Salt gland development in White Ibises (*Eudocimus albus*)."

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- O. Hogstad, Dept. Zoology, Univ. Trondheim, Dragvoll, Norway, "Winter survival and dominance behavior in tits."
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- M. E. Minock, Univ. Wisconsin, Menasha, WI, and K. L. Dixon, Dept. Biology, Utah State Univ., Logan, UT, "Interactions of sympatric, nesting Mountain (*Parus gambeli*) and Black-capped (*P. atricapillus*) chickadees."
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- M. Withiam, Albany Medical Center Hospital, Albany, NY, D. Lemmon, SUNY Albany, Albany, NY, and C. Barkan, Smithsonian Environ. Res. Center, Edgewater, MD, "Pair bonds, social behavior, and the use of space in wintering Black-capped Chickadees (*Parus atricapillus*)."
- M. S. Ficken, Dept. Biological Sci. and Field Station, Univ. Wisconsin, Milwaukee, WI, "The vocal repertoire of the Mexican Chickadee (*Parus sclateri*): A case of extreme vocal divergence."
- S. Nowicki, Rockefeller Univ. Field Res. Center, Millbrook, NY, "Vocal production and the acoustic basis of call convergence in Black-capped Chickadees."
- R. Weisman and L. Ratcliffe, Dept. Psychology and Biology, Queen's Univ., Kingston, ONT, "Pitch perception in Black-capped Chickadees (*Parus atricapillus*)."
- K. C. Kelly, Dept. Biology, Univ. Pennsylvania, Philadelphia, PA, "Duration of the dee component of the 'chickadee' call and associated behavior in Carolina Chickadees (*Parus carolinensis*)."
- J. T. Wood, Dept. Zoology, Ohio State Univ., Columbus, OH, "The effects of artificial solar radiation on wind-stressed Tufted Titmice and Carolina Chickadees at low temperatures."
- M. Brittingham, School of Forest Resources, Pennsylvania State Univ., University Park, PA and S. Temple, Dept. Wildlife Ecology, Univ. Wisconsin, Madison, WI, "The effects of season and temperature on use of bird-feeders by Black-capped Chickadees."
- F. B. Gill, Acad. Natural Science, Philadelphia, PA, "Evolutionary relationships in the genus *Parus*."
- L. A. Brennan and M. L. Morrison, Dept. Forestry and Resource Management, Univ. California, Berkeley, CA, "Recent range expansion by the Chestnut-backed Chickadee (*Parus rufescens*) in California."
- D. L. Dahlsten, W. A. Cooper, D. L. Rowney, and P. K. Kleintjes, Div. Biological Control, Univ. California, Berkeley, CA, "Nesting success of Chestnut-backed Chickadees, *Parus rufescens*, in nest boxes in the central Sierra of California."

- C. M. Weise, Dept. Biological Sci., Univ. Wisconsin-Milwaukee, Milwaukee, WI, "Juvenile survival and recruitment in Black-capped Chickadees (*Parus atricapillus*)."
- A. McCallum, Dept. Biology, Univ. New Mexico, Albuquerque, NM, "Should Mountain Chickadees practice natal philopatry?"
- F. C. Rohwer, Appalachian Environmental Lab., Univ. Maryland, Frostburg, MD, "Intra-specific and interspecific variation in clutch size of waterfowl."
- D. M. Finch, Forestry Sci. Lab., Laramie, WY, "Influence of surrounding habitat on nest box use and reproductive outcome in House Wrens and Tree Swallows."
- T. L. Master, Biology Dept., Lehigh Univ., Bethlehem, PA, "Snowy Egret (*Egretta thula*) participation in mixed species foraging aggregations on southern New Jersey salt marsh pannes."
- C. R. Blem and L. B. Blem, Dept. Biology, Virginia Commonwealth Univ., Richmond, VA, "Prothonotary Warblers in tidal swamp: Nest-site selection."
- D. E. Blockstein, Dept. Wildlife Ecology, Univ. Wisconsin, Madison, WI, "Population and taxonomic status of the Grenada Dove (*Leptotila rufaxilla wellsii*)."
- D. K. Dawson, J. R. Sauer, M. K. Klimkiewicz, and J. E. Hines, U.S. Fish and Wildlife Service, Patuxent Wildlife Res. Center, Laurel, MD, "Winter survival of birds at a feeding station in Maryland."
- P. D. Vickery, M. L. Hunter, Jr., Wildlife Dept., Univ. Maine, Orono, ME, and J. V. Wells, Biology Dept., Univ. Maine, Farmington, ME, "Incidental skunk (*Mephitis mephitis*) predation on grassland bird nests in southern Maine."
- M. L. Hebblethwaite, Dept. Environmental and Forest Biology, College of Environ. Sci. and Forestry, SUNY, Syracuse, NY, "Do Barn Swallows (*Hirundo rustica*) colonies function as information centers?"
- E. D. Kennedy, Rutgers Univ., New Brunswick, NJ, "Determinacy of clutch size in House Wrens (*Troglodytes aedon*) and European Starlings (*Sturnus vulgaris*)."
- D. J. Anderson, Dept. Biology, Univ. Pennsylvania, Philadelphia, PA, "Food limitation and parent-offspring conflict in artificially enlarged Masked Booby (*Sula dactylatra*) broods."
- P. W. Frederick and M. W. Collopy, Dept. Wildlife and Range Sci., Univ. Florida, Gainesville, FL, "Hydrological conditions associated with the initiation and abandonment of nesting by White Ibises in the Florida Everglades."
- C. A. Haas, Ecology and Evolutionary Biology, Cornell Univ., Ithaca, NY, "Reproductive success of Loggerhead Shrikes (*Lanius ludovicianus*) in North Dakota."
- J. L. Atwood, J. M. Hagan, and T. L. Lloyd-Evans, Manomet Bird Observatory, Manomet, MA, "Diurnal activity patterns in fall migrant landbirds at a coastal stopover site."
- H. C. Mueller, Dept. Biology, Univ. North Carolina, Chapel Hill, NC, "Aerial displays and the evolution of reversed sexual dimorphism (RSD) in owls."
- W. O. Piper, Dept. Biology, Univ. North Carolina, Chapel Hill, NC, "Correlates of social dominance in the White-throated Sparrow: Age, sex and location."
- H. Wiley, Dept. Biology, Univ. North Carolina, Chapel Hill, NC, "Do subordinate White-throated Sparrows have a special role in finding food for dominants?"
- R. Hanano and R. L. Holberton, SUNY, Albany, NY, "Dominance status in *Junco hyemalis*: Prior residence effects."
- E. O. Willis, Dept. Zoologia, Univ. Estadual Paulista, Rio Claro, S. Paulo, Brazil, "Mimicry in bird flocks of cloud forests in southeastern Brazil."
- D. W. White and E. W. Stiles, Rutgers Univ., New Brunswick, NJ, "Co-occurrences of foods in stomachs and feces of avian frugivores."
- R. M. Erwin, U.S. Fish and Wildlife Service, Patuxent Wildlife Res. Center, Laurel, MD, "Resource depression and patch revisitation by birds."
- C. F. Leck, Dept. Biological Sci., Rutgers Univ., New Brunswick, NJ, "Movements of forest birds, within nesting season and between years."

- K. C. Parkes and D. S. Wood, Carnegie Mus. Natural History, Pittsburgh, PA, "Orange-tipped retrices in the Cedar Waxwing (*Bombycilla cedrorum*): A preliminary report."
- J. L. Howitz, Dept. Biology, Univ. Wisconsin, La Crosse, WI, "Geographic variation in social structure in Black-capped Chickadee populations."
- J. W. Hardy, Dept. Natural Sci., Florida State Museum, Gainesville, FL, "Ontogeny of vocal character in young captive Tamaulipas Crows, *Corvus imparatus*: A clue to ancestry?"
- G. T. Reese and R. J. McPherson, Dept. Biology, Clarion Univ., Clarion, PA, "Multiple nest construction and female mate choice in Marsh Wrens (*Cistothorus palustris*)."
- A. M. Mostrom, Biology Dept., Univ. Pennsylvania, Philadelphia, PA, "Carolina Chickadees (*Parus carolinensis*) exhibit ambiguous rank relationships."
- E. W. Burkett, Dept. Biological Sci., Univ. Wisconsin, Milwaukee, WI, "Differential roles of sexes in breeding Northern Flickers (*Colaptes auratus*)."
- V. Piaskowski, C. M. Weise, and M. S. Ficken, Dept. Biological Sci., Univ. Wisconsin-Milwaukee, Milwaukee, WI, "Body ruffling display of the Black-capped Chickadee (*Parus atricapillus*)."
- C. Hitchcock, Dept. Psychology, Univ. Toronto, Toronto, ONT, "Memory for cache sites in the Black-capped Chickadee (*Parus atricapillus*)."
- G. T. Bancroft and R. Bowman, National Audubon Society, Tavernier, FL, "Reproductive ecology of White-crowned Pigeons in relation to tropical fruit production."
- A. H. Bledsoe, Dept. Biological Sci., Univ. Pennsylvania, Philadelphia, PA, "Mathematical properties of DNA-DNA hybridization dissimilarity measures."
- R. H. Yanner and B. Rollfinke, Forest Resources Lab., Pennsylvania State Univ., University Park, PA, "A 10-year study of the effects of forest irrigation on breeding bird communities."

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