

PROCEEDINGS OF THE THIRTIETH ANNUAL MEETING

By Harold Mayfield, Secretary

The Thirtieth Annual Meeting of the Wilson Ornithological Club began Thursday, April 21, and continued through Saturday, April 23, 1949, on the campus of the University of Wisconsin at Madison. It was a joint meeting with the Wisconsin Society for Ornithology, and was sponsored by the Kumlien Club and the University of Wisconsin. All sessions were held in the Wisconsin Memorial Union.

There were seven sessions devoted to papers and motion pictures, two general business meetings, and a meeting of the Executive Council. The Annual Dinner was held on Saturday evening.

In addition to the official sessions of the Wilson Ornithological Club, the three-day program included the following events: an informal reception in the Union Library by the Kumlien Club on Thursday evening; a business meeting for the Wisconsin Society for Ornithology, Thursday afternoon; a meeting of people interested in Audubon Field Notes on Saturday morning; a meeting of the Inland Birdbanding Association, the Michigan Birdbanders, and the William I. Lyons Banding Council, on Saturday afternoon; and a series of field trips on Sunday, April 24.

Exhibits at the meeting included a group of bird paintings prepared by Owen J. Gromme for his forthcoming monograph on the birds of Wisconsin; an exhibit of bird photographs, both color and black-and-white; a display of books for sale; a collection of ornithological bookplates; and a set of bird traps.

MEETING OF THE EXECUTIVE COUNCIL

Upon invitation of the Brooks Bird Club, the Council decided to hold the Thirty-first Annual Meeting on Friday and Saturday, April 28 and 29, at Jackson's Mill, near Clarksburg, West Virginia.

David E. Davis was unanimously re-elected Editor for 1949.

The Council decided to make no change in the membership dues in spite of the increasing costs which have faced the club.

Reports were heard from the following committees: Endowment, Research Grant, Membership, Affiliated Societies, Library, Wildlife Conservation, Illustrations, and Emergency Committee for Relief of European Ornithologists.

After thorough consideration and after solicitation of the views of the other societies concerned, the Council concluded that the benefits of affiliation and the friendliest of relations with regional associations could continue to exist without the formal machinery of affiliation. Therefore, the status of "Affiliated Society" was discontinued. Special appreciation was expressed to Charles L. Conrad for his fine work as chairman of the Affiliated Societies Committee.

FIRST BUSINESS SESSION

President Olin Sewall Pettingill, Jr., called to order the first business session on Friday morning. The minutes of the Twenty-ninth Annual Meeting as published in the *Wilson Bulletin* for March, 1948, were approved. The report of the Secretary was read and approved, and a list of applicants for membership, supplementary to that appearing in the *Bulletin* for December, 1948, was posted on the bulletin board for later action by the club.

The Treasurer's report was read but action on it was deferred until after the report of the Auditing Committee at the final session.

Temporary Committees. The President appointed three temporary committees as follows:

Resolutions Committee:
Maurice Brooks, Chairman
Dwain W. Warner
George J. Wallace

Nominating Committee:
G. M. Sutton, Chairman
S. Charles Kendeigh
Mrs. Margaret M. Nice

Auditing Committee:
Milton B. Trautman, Chairman
R. Allyn Moser

SECOND BUSINESS SESSION

The second and final business session was called to order at 9:00 A.M. Saturday, April 23, by President Pettingill.

Report of Resolutions Committee. The Resolutions Committee presented the following resolutions which were formally adopted:

1. Resolved: That the Wilson Ornithological Club express its deep appreciation to the University of Wisconsin for its generous hospitality and for the use of its splendid facilities during the Thirtieth Annual Meeting of the club.

2. Resolved: That the Wilson Ornithological Club extend its deep thanks and appreciation to the Kumlien Club, which, as host, has made this joint meeting so outstandingly successful.

3. Resolved: That the Wilson Ornithological Club hereby go on record in favor of the early completion of the Quetico Superior International Peace Memorial Forest on the Minnesota Ontario boundary; that the club favor the provision of adequate Federal funds to purchase the remaining privately owned tracts in the roadless area of the Superior National Forest; and that the club endorse the proposed creation by the President of the United States of a Federal air space reservation over the roadless area for the purpose of excluding much of the airplane travel there, which is at present impairing the wilderness character of the region.

4. Resolved: That the Wilson Ornithological Club recommend to the United States Forest Service the setting aside of an area in and around Cranberry Glades, Pocahontas County, West Virginia, and within the present Monongahela National Forest, as a "natural area".

Report of the Auditing Committee. The Auditing Committee reported that the books of the Treasurer were in excellent condition and the report was accepted.

The Treasurer's report delivered at the first business session was accepted.

Report of Research Grant Committee. John T. Emlen, Jr., Chairman of the Research Grant Committee, reported that the Executive Council had approved a grant of \$100 from the Louis Agassiz Fuertes Fund in 1949 to Stephen W. Eaton, graduate student at Cornell, as encouragement for his work on the taxonomy and comparative life history of the members of the genus *Seiurus*.

An award of \$25 was given to Donald Malick from the fund established in memory of the late S. Morris Pell. This fund is to be used for non-competitive awards to promising young bird artists. Club members may submit suggestions to the committee at any time for this award.

Report of European Relief Committee. Miss Theodora G. Melone, reporting for the Emergency Committee for the Relief of European Ornithologists, stated that more than 3000 packages are known to have been dispatched to needy scientists in Europe as a result of the

activity of this committee. Although conditions in many countries are improving, there are still about 75 families on the list who are in urgent need of assistance. Therefore, all members who would like to contribute food or clothing (through this committee or communicating directly with a selected family) are urged to get in touch with Lawrence I. Grinnell, Carl Welty, Grenville Hatch, or Miss Melone.

Report of Library Committee. Harold Mayfield, chairman of the Library Committee, reported that donations, as shown in the five issues of the *Wilson Bulletin*, March, 1948, through March, 1949, include 1004 bulletins, reprints and periodicals, and 19 books. In addition, four books were purchased through the special fund established for this purpose. The committee urged that members, particularly those in areas with limited library facilities, make use of the library, and that members everywhere consider the library as a possible repository for surplus items from their own and their friends' libraries.

Report of Illustrations Committee. T. M. Shortt, chairman of the Illustrations Committee, reported by letter that the activity of this committee had been confined mainly to supplying illustrations required by the editor of the *Bulletin*—three maps and a number of photographs, some of which may be used later—and advising the editor about certain drawings submitted for publication.

Report of Membership Committee. Mrs. Dorothy M. Hobson reported by letter for the Membership Committee. All candidates for membership, whose names had been posted since the first business meeting, were elected to the Wilson Ornithological Club. At the beginning of 1949 the club had 1661 members and 75 subscribers to the *Bulletin*.

Election of Officers. S. Charles Kendeigh, reporting for the Nominating Committee, proposed the following officers for 1949: President, Olin Sewall Pettingill, Jr.; First Vice-President, Maurice Graham Brooks; Second Vice-President, Walter J. Breckenridge; Secretary, Harold Mayfield; Treasurer, Burt L. Monroe; Elective Members of the Executive Council, John T. Emlen, Jr., (term expires in 1950), Richard H. Pough (term expires in 1951), and W. C. Vaughan (term expires in 1952).

The report of the Nominating Committee was accepted and the nominees were elected.

The session was adjourned at 10:00 A.M.

PAPERS AND MOTION PICTURES SESSIONS

Thursday Morning, April 21

1. HARVEY I. FISHER, University of Illinois. Populations of Birds on Midway Island and the Man-made Factors Affecting Them. During the past 50 years the birds of Midway have been seriously affected by the various factors introduced by man. First, the plume hunters and then the coming of the armed forces to these islands during the last war, together with the arrival of the commensal rat, have decimated the number of many species and caused the extinction of at least 2 species. On the other hand, man has established soil and vegetation and has increased the total surface of the islands, which has been favorable to certain forms particularly since the end of the war.

2. M. DALE ARVEY, University of Kansas. A revision of the Passerine Family Bombycillidae. In a recent study of the waxwings (Bombycillidae) and their relatives, it has been found that two other families of passerine birds, the Ptilogonatidae (silky flycatchers) and Dulidae (palm chats), are so closely related to the waxwings in both structure and behavior that they should all be combined in one family, the Bombycillidae. Nevertheless, the species previously assigned to the Ptilogonatidae and Dulidae are sufficiently distinct from one another and from the present species in the Bombycillidae to warrant retention of subfamily categories, which become Bombycillinae, genus *Bombycilla*: Ptilogonatinae, genera *Ptilogonys*, *Phainopepla* and *Phainoptila*; and Dulinae, genus *Dulus*.

3. BEN J. FAWVER, University of Illinois. Some Breeding Bird Populations of the Great Smoky Mountains. The breeding bird populations of various vegetation types in the Great Smoky Mountains National Park were studied in the summers of 1947 and 1948. The relationships of population density and species composition to vegetation and altitude were noted.

4. HARRY W. HANN, University of Michigan. Conflicting and Doubtful Statements in the Literature Regarding the Water Ouzel. There are a number of statements in the literature about the Dipper that conflict with one another or that have been repeated for many years with a doubtful basis of fact. These questions, along with the observations and opinions of the author, were considered: (1) Does the Dipper always build its nest where the moss is kept green by spray? (2) Does the Dipper sprinkle its nest? (3) Do the birds hop, walk, or run, when on land? (4) Do they walk on the bottom when feeding under water? (5) Is it the upper eyelid or the nictitating membrane which is responsible for the winking? (6) How long is the incubation period of the Dipper? (7) How long do the young remain in the nest? (8) How many broods do they rear in a season?

5. ROBERT A. MCCABE AND HAROLD F. DEUTSCH, University of Wisconsin. Electrophoretic Studies of Bird Albumen. The behavior and composition of the various proteins in the albumen of fresh eggs were observed when in the presence of charged electrodes. Charts of such observations reveal a distinctive pattern for each species of bird. The relationships between these patterns may throw new light on the relationships between different species.

6. DAVID E. DAVIS, Johns Hopkins University. Preparation of Papers for The *Wilson Bulletin*. An explanation of the aims of the *Wilson Bulletin*, with suggestions to authors on the preparation of articles and notes for publication.

Thursday Afternoon, April 21

7. MARGARET M. NICE, Chicago, Illinois. The Question of Sexual Dominance. A revision of the prevailing opinion that in pair formation the male overawes the female; this former interpretation seems to have come from a confusion of sexual and social dominance, as well as from the apparent exemplification of the theory with the pigeon. Now, however, the Heinroths have shown that with this bird there is no dominance between the pair, so the theory has lost its chief support.

8. WILLIAM J. BEECHER, Chicago Natural History Museum. A Possible Sensory Basis For Bird Navigation. A consideration of the possibility that birds, even while in flight, are able to detect minute forces through the sensitive structures of the ear. The semicircular canals report to the brain movements of rotational nature, and the otolith organs of the inner ear report an eccentric head position of long duration. In correlation with these facts, each bird has a characteristic attitude of the head in rest which orients the horizontal canal and the utriculus level with the ground. This is also the usual position of the head in flight. The almost gyroscopic ability to hold the head level while the body may twist and bank suggests that birds can probably maintain level flight even when out of visual contact with the ground. These circumstances combined with the discovery of membranous sacs in the outer ear of passerines, which are capable of being inflated with venous blood and protecting the ear drum from various wind pressures due to rapid flight suggests that it might be possible for the canals to detect the Coriolis effect even while birds are in flight.

9. CHARLES G. SIBLEY, University of Kansas. The Significance of Interspecific Hybrids in Speciation. Interspecific hybrids provide tests of the degree to which species formation has

proceeded at the time the secondary contact was formed which permitted the two parental forms to hybridize. Examples such as are found in the genus *Pipilo* in Mexico, the genus *Anas*, and certain Tetraonids, indicate that morphological differences may become great while physiologically the 2 forms may be very similar. The degree to which morphologically "good" species form hybrids in nature may be applied as a criterion in systematics, especially at the generic and specific levels. If this is a valid criterion several of our currently accepted generic splits should be critically reexamined.

10. ROBERT CUSHMAN MURPHY, American Museum of Natural History. A Naturalist in Changing New Zealand. A photographic story of an expedition to New Zealand to study some of the little-known birds of that region and to excavate for the skeletons of extinct birds, including the Moa. This trip included a visit to the Snares, a group of islands where almost no ornithological study has been carried out previously.

Friday Morning, April 22

11. J. DAN WEBSTER, Jamestown College, Jamestown, North Dakota. Altitudinal Zonation of Birds in Southeastern Alaska. Most of Southeastern Alaska (from sea level to 1500 feet) consists of dense coniferous forest. Climax communities of Sitka Spruce and Western Hemlock have these common breeding birds: Steller Jay, Chestnut-backed Chickadee, Winter Wren, Varied Thrush, Golden-crowned Kinglet, Pine Siskin, and Red Crossbill. Sub-climax communities in rocky and in wet, swampy soil, and a special cottonwood sub-climax confined to the large mainland river channels are described. An intermediate altitudinal zone (from 1500 to 2500 feet) is characterized chiefly by the Alpine Hemlock and Yellow Cedar, with such birds as the Pileolated Warbler and Pine Grosbeak. The Arctic-Alpine zone (above 2500 feet) has no trees; among the breeding birds are the American Pipit, the Heppburn Rosy Finch, and three species of Ptarmigan.

12. JOSSELYN VAN TYNE AND HAROLD MAYFIELD, University of Michigan and Toledo, Ohio. Bird Problems on New Providence Island, Bahamas. Very little is known about the habits of some species of birds to be found in the Bahama Islands. Also, there are doubtful statements in the literature about the relationships of some of these birds to other species in Central and North America. Because of the number of problems awaiting solution and the ease with which a person may reach these islands from the United States, it was suggested that the Bahamas offer an excellent field for American students.

Symposium: Modern Approaches to the Study of Bird Populations.

13. JOHN T. EMLEN, JR., University of Wisconsin. The Problems and Significance of Population Studies. Populations are not mere assemblages of individuals but are distinct entities representing a level of organization above that of the individual. Like the individual organism, they may be studied for their anatomy (structure and composition), their physiology (dynamics), or their ecology (responsiveness to environmental influences). Birds provide good subjects for the study of natural populations.

14. S. CHARLES KENDEIGH, University of Illinois. The Distribution of Bird Populations. The distribution and abundance of a bird depend on the distribution of the particular ecological niche to which it is specifically adapted. Habitats have changed and are changing. Tertiary and Pleistocene climates and vegetation are reflected in present distributions.

15. DAVID E. DAVIS, Johns Hopkins University. Problems of Recruitment in Bird Populations. Recruitment is determined by the potential reproductive rate of the species, modified

by variable factors associated with length of season, pair formation, ovulation, size of clutch, hatching success, fledging success, and juvenile mortality. Variations in recruitment affect population levels.

16. ALLEN W. STOKES, University of Wisconsin. Studies of Population Turnover in Pheasants. Data on sex and age composition of trapped and hunted populations provide the basis for an analysis of productivity and annual turnover in this species.

17. JOSEPH J. HICKEY, University of Wisconsin. Productivity Versus Mortality in Bird Populations. Tendencies to renest and to raise more than one brood are fundamentally associated with high adult mortality rates; large clutch size is only indirectly associated. All these phenomena operate without reference to population density. Postponement of sexual maturity is similarly independent of density and correlated with adult mortality; non-breeding may or may not be density dependent. Density-dependent regulating mechanisms in bird populations must, by inference, be mortality factors.

18. PAUL L. ERRINGTON, Iowa State College. Population Mechanics and Regulating Factors. Population levels are regulated by and fluctuate in response to environmental conditions, density and competition factors. These responses may themselves show periodic changes.

Friday Afternoon, April 22

19. FREDERICK V. HEBARD, Philadelphia, Pennsylvania. A Survey of Injury-feigning Birds in the A.O.U. Checklist. Injury-feigning already has been reported in over 210 species and 240 forms on the A.O.U. Checklist. This list is still growing and the author would like to receive communications from observers who can add to the information now available on this subject.

20. MILTON B. TRAUTMAN, Ohio State University. Observations on the Spring Courtship Behavior of the Black Duck. A discussion of observations made since 1946 on spring courtship: (1) the male's territory; (2) the male behavior while standing guard outside his territory and while the female hunts for a nesting site; (3) methods employed by the female to "escape" from the male's territory, and methods by which she enters the territory; and (4) behavior of a pair of mated Black Ducks which have entered the territory of another male. Slides show the male's territory, location of a nest and the guarding station of the male.

21. SETH H. LOW, U. S. Fish and Wildlife Service. Migration of the Pintail in North America. An analysis of some 30,000 birdbanding records of Pintail Ducks which have been accumulated in the Fish and Wildlife Service in the last 30 years. The evidence indicates a rather complex interlacing of flyways with the birds often taking a different route in the spring as compared with the fall. The records include a bird banded in Iceland and recovered 2 years later in Quebec, and another banded in August in Labrador and shot in southern England in September.

22. HENRY L. YEAGLEY, Pennsylvania State College. Further Studies on "A Physical Basis of Bird Navigation". The author, a physicist, has been exploring the hypothesis that birds navigate by orientation to 2 physical effects: magnetic force and the Coriolis effect (caused by rotation of the earth). The Coriolis lines (latitude) intersect with the lines of equal magnetic force in two points within the United States. Recognizing that one such point in Pennsylvania has a conjugate point in Nebraska, the author has used homing pigeons trained at one point and released nearer the other. He has accumulated some evidence indicating that the birds travel in the general direction of the conjugate point rather than at random or toward

the home loft. In his analysis he has used the method of vectors based upon the composite returns from a group of birds released at one time.

Friday Evening, April 22

23. CLAYTON G. RUDD, Minneapolis, Minnesota. The Towering Tetons. A color movie showing the natural beauties of the magnificent mountain area about Jackson's Hole in Wyoming. A feature of this showing were some splendid close-ups of Sparrow Hawks.

24. EDWARD MORRIS BRIGHAM, JR., Kingman Museum of Natural History, Battle Creek, Michigan. Some Experiences with Michigan Birds. A selection from the author's extensive set of movies of Michigan birds featuring some remarkable views of immature Great-horned Owls.

25. MURL DEUSING, Milwaukee Public Museum. Safari in Africa. A color movie, telling the story of a motor caravan traveling across the big game area of Central Africa. His picture included close-up views of spectacular animals and birds, and a glimpse of the cloud forest in the mountains of equatorial Africa.

Saturday Morning, April 23

26. SAMUEL D. ROBBINS, Mazomanie, Wisconsin. Ornithological Rarities in Wisconsin During the Last Decade. Information about 8 rare birds identified in Wisconsin in the last decade, of which the first 3 were new to the State: Ivory Gull, Burrowing Owl, Varied Thrush, Brown Pelican, Purple Sandpiper, Pomarine Jaeger, Parasitic Jaeger, and Dovekie.

27. LEE STEVEN, Milwaukee, Wisconsin. Hawk Migration in Wisconsin. A banding station operated by the Milwaukee Public Museum in Sheboygan county, Wisconsin, has captured more than 1000 hawks within recent years and has had returns on about 10 percent of these birds. Two of the returns were from Duck Hawks recovered in Central America. It has been found that hawks move in considerable numbers down the western shore of Lake Michigan in fall.

28. A. W. SCHORGER, Madison, Wisconsin. Changes in the Avifauna of Wisconsin. During the last century the White Pelican, Sandhill Crane, Long-billed Curlew, Trumpeter Swan, Whooping Crane, Swallow-tailed Kite, Passenger Pigeon, and Wild Turkey have become extremely rare or have vanished entirely, although they were once common in Wisconsin. However, among those birds which have increased in numbers or extended their range since the coming of man to the State are the Black Duck, American Egret, Crow, Carolina Wren, Bewick's Wren, Western Meadowlark, Cardinal, and Brewer's Blackbird. The English Sparrow was introduced in 1869, and the European Starling reached Milwaukee in 1923.

29. WINNIFRED WAHLS SMITH, Two Rivers, Wisconsin.

30. AARON MOORE BAGG, Holyoke, Massachusetts.

31. W. W. H. GUNN, University of Toronto.

Relationship of Weather to Migration. These 3 papers were presented and discussed as a unit since they referred to different aspects of a joint study. The investigators reported a close relationship between migration and weather conditions. Major movements in spring may be expected with rising temperature and a falling barometer. Analysis of the detailed records of the late William Dreuth of Chicago from 1938 through 1942 supported this conclusion. (Smith). The period of April 19-22, 1948 was examined in detail to illustrate the relation between the moving warm and cold fronts of a pressure system and a concurrent

bird wave reported progressively eastward from Wisconsin to New England. (Bagg). The seasonal shift of the northeast trades in spring favors migration from northern South America and southern Central America to the Gulf region where, as illustrated by Bagg, the movement of warm air is then northeastward rather than northwestward. It was suggested that this warm-air track may have been a fundamental factor in the development of migration routes and gross distribution of many North American migrants. (Gunn).

32. HOWARD YOUNG, University of Wisconsin. Territorial Behavior in the Eastern Robin. A consideration of existing definitions of territory and an examination of these definitions by the behavior of the Robin, which does not always conform to the traditional standards. The study included quantitative analysis of the territorial fights between Robins, and their outcome. The Robins tended generally to be most successful in fighting within their own territories, and males generally tended to be victorious over females.

Saturday Afternoon, April 23

33. DORIS HUESTIS SPEIRS, Pickering, Ontario. Ontario Nestings of the Evening Grosbeak. An analysis of the nesting of the Evening Grosbeak, based on data from 5 nests discovered in the period from 1944 to 1946 in Ontario. This study included 4 days' observation of a fledgling in the field after it had left the nest.

34. GEORGE J. WALLACE, Michigan State College. Four Years of Michigan Bird Records. Under the auspices of the Michigan Audubon Society, a cooperative program has been in operation for 4 years to systematize the accumulation of records from all localities within the State. The results of this study to date include several prospective additions to the Michigan list, additional records for unusual species, and new wintering and new nesting records.

35. OSCAR HAWKSLEY, Central Missouri State College. Breeding Behavior of the Arctic Tern. A moving picture showing the breeding behavior of the Arctic Tern from fish-flight stage through the rearing and fledging of young. Included were sections on associates, social flights, posturing, copulation, egg recognition, egg rolling, bathing, preening, care of the young, and the breeding of white-faced individuals.

36. W. J. BRECKENRIDGE, Minnesota Museum of Natural History. Wood Duck Nesting Study. A study of nesting behavior of the Wood Duck, based in part on the use of an ingenious mechanical device for recording automatically attendance at the nest. The periods of attendance were discussed, particularly as they correlated with minimum daily temperatures. The movie included the emergence of two broods of Wood Ducks from nesting cavities.

37. FRAN HALL, Carleton College. In Nature's Realm. This moving picture provided some excellent views of various phases of nature, with particularly outstanding closeups of insects.

38. EDGAR MONSANTO QUEENY, St. Louis, Missouri. Prairie Wings. Views of wildfowl during the fall in Arkansas. Outstanding features of this sound film were the actual voices of ducks and geese recorded in the field, and an exceptional series of slow-motion closeups of ducks in flight.

Annual Dinner

At the Annual Dinner on Saturday evening, April 23, in the Great Hall of the Wisconsin Union, Olin Sewall Pettingill, Jr., President of the Wilson Ornithological Club, served as

toastmaster and principal speaker. In the course of his address he named 10 American ornithologists (living men excepted) whom he considered most influential in advancing the science of bird study, in alphabetical order: John James Audubon, Spencer Fullerton Baird, William Brewster, Frank Michler Chapman, Elliott Coues, Louis Agassiz Fuertes, Joseph Grinnell, Francis Hobart Herrick, Clinton Hart Merriam, and Robert Ridgway.

Field Trips

On Sunday morning, April 24, members and guests visited the following interesting areas: Horicon Marsh, Wisconsin River valley, and the University of Wisconsin Arboretum and University Bay.

Attendance

Three hundred sixty-one members and guests registered at the meeting, representing 22 states of the United States, 3 provinces of Canada, China, and England. Next to Wisconsin, Illinois was the state with the largest attendance. The list of members and visitors follows:

From **China**: 1—K. C. Huang, *Mokiang*.

From **Colorado**: 1—Richard E. Pillmore, *Boulder*.

From **England**: 1—Winifred MacVicar, *London*.

From **Illinois**: 29—Karl E. Bartel, *Blue Island*; Mr. and Mrs. Carleton A. Beckhart, *Barrington*; W. J. Beecher, *Chicago*; Virginia S. Eifert, *Springfield*; Mr. and Mrs. Paul E. Downing, *Highland Park*; Ben J. Fawver, *Champaign*; Mr. and Mrs. Harvey I. Fisher, *Urbana*; Mrs. James Kavern, *Hinsdale*; Mr. and Mrs. S. Charles Kendeigh, *Champaign*; Louis Lemieux, *Urbana*; Milton Mahlburg, *Rockford*; Peggy Muirhead, *Chicago*; Margaret M. Nice, *Chicago*; Constance Nice, *Chicago*; William B. Robertson, *Champaign*; Harriet K. Rubenstein, *Chicago*; V. E. Shelford, *Urbana*; O. Ruth Spencer, *Moline*; Harvey W. Spigel, *Elsah*; Mr. and Mrs. R. M. Strong, *Chicago*; Wendel Swanson, *Rockford*; David Paul Van Ort, *Champaign*; John Wanamaker, *Elsah*; Albert Wolfson, *Chicago*.

From **Indiana**: 3—Stephen W. Simon, *Richmond*; Iva Spangler, *Fort Wayne*; Margaret Umbach, *Fort Wayne*.

From **Iowa**: 9—J. H. Ennis, *Mount Vernon*; Paul L. Errington, *Ames*; Fred T. Hall, *Davenport*; Norwood Hazard, *Davenport*; Zell C. Lee, *Stoux City*; Alfred M. Meyer, *Cedar Rapids*; Charles A. Stewart, *New Albin*; L. F. Vane, *Cedar Rapids*; Robert F. Vane, *Cedar Rapids*.

From **Kansas**: 2—M. Dale Arvey, *Lawrence*; Charles G. Sibley, *Lawrence*.

From **Kentucky**: 7—Leonard C. Brecher, *Louisville*; Helen G. Browning, *Louisville*; William M. Clay, *Louisville*; Robert G. McQuain, *Louisville*; Burt. L. Monroe, *Anchorage*; Mabel Slack, *Louisville*; Mrs. F. W. Stamm, *Louisville*.

From **Manitoba**: 1—B. W. Cartwright, *Winnipeg*.

From **Maryland**: 2—David E. Davis, *Baltimore*; Seth H. Low, *Laurel*.

From **Massachusetts**: 1—Aaron M. Bagg, *Holyoke*.

From **Michigan**: 17—H. Lewis Batts, Jr., *Ann Arbor*; A. J. Berger, *Ann Arbor*; Hazel L. Bradley, *Jackson*; Mr. and Mrs. Edward M. Brigham, Jr., *Battle Creek*; Anne Bytzko, *Detroit*; Mr. and Mrs. Richard R. Graber, *Ann Arbor*; H. W. Hann, *Ann Arbor*; Frank J. Hinds, *Kalamazoo*; Agnes R. Kugel, *Grand Rapids*; Dana P. Snyder, *Ann Arbor*; Haven H. Spencer, *Ann Arbor*; Josselyn Van Tyne, *Ann Arbor*; G. J. Wallace, *E. Lansing*; Robert A. Whiting, *Jackson*; Teresa Zilioli, *Detroit*.

From **Minnesota**: 18—Tom Breckenridge, *Minneapolis*; Mr. and Mrs. W. J. Breckenridge, *Minneapolis*; Harvey L. Gunderson, *St. Paul*; Mr. and Mrs. Fran Hall, *Northfield*; Jeannette Houle, *Forest Lake*; Theodora Melone, *Minneapolis*; Dorothy Mierow, *Minneapolis*; Ken Morrison, *Minneapolis*; Mrs. Charles E. Peterson, *Madison*; Mr. and Mrs. Olin Sewall,

Pettingill, Jr., *Northfield*; Mr. and Mrs. Clayton G. Rudd, *Minneapolis*; James M. Stauffer, *Marshall*; Dana R. Struthers, *Minneapolis*; Dwain W. Warner, *Minneapolis*.

From **Missouri**: 8—Robert H. Gensch, *Kansas City*; Mr. and Mrs. Oscar Hawksley, *Warrensburg*; Daniel L. McKinley, *Mountain Grove*; Beverley J. Rose, *Columbia*; Paul Shepard, Jr., *Columbia*; Clarence A. Sooter, *Kansas City*; James R. Youse, *Columbia*.

From **Nebraska**: 2—Mr. and Mrs. R. A. Moser, *Omaha*.

From **New Hampshire**: 1—Mrs. Louis Forsyth, *Hanover*.

From **New Jersey**: 1—Mrs. H. E. Carnes, *Tenafly*.

From **New York**: 8—Lawrence I. Grinnell, *Ithaca*; Mr. and Mrs. F. L. Jaques, *New York*; John H. Lyford, Jr., *Scarsdale*; Robert Cushman Murphy, *New York*; Oliver S. Owen, *Ithaca*; Richard H. Pough, *Pelham*; Wayne Short, *New York*.

From **North Dakota**: 5—Mr. and Mrs. R. T. Gammell, *Kenmare*; Douglas Lancaster, *Fargo*; Ray Pierce, *Tory*; J. Dan Webster, *Jamestown*.

From **Ohio**: 8—Clinton S. Banks, *Steubenville*; Earl Farmer, *Steubenville*; Nan Folger, *Oxford*; Harold Mayfield, *Toledo*; Charles Southwick, *Wooster*; Albert R. Tenney, *Toronto*; Mr. and Mrs. Milton B. Trautman, *Put-In-Bay*.

From **Ontario**: 5—W. W. H. Gunn, *Toronto*; Mr. and Mrs. J. Murray Speirs, *Pickering*; Mr. and Mrs. Allen W. Stokes, *Pelee Island*.

From **Oregon**: 1—Fred H. Young, *Corvallis*.

From **Pennsylvania**: 2—Frederick V. Hebard, *Philadelphia*; Henry L. Yeagley, *State College*.

From **Quebec**: 1—Marie Lemieux, *Quebec*.

From **South Dakota**: 6—Mr. and Mrs. H. F. Chapman, *Sioux Falls*; Dr. and Mrs. J. D. Donahoe, *Sioux Falls*; Mr. and Mrs. J. S. Findley, *Sioux Falls*.

From **West Virginia**: 3—Maurice Brooks, *Morgantown*; Ralph M. Edeburn, *Huntington*; Marjoretta Stahl, *Kimberly*.

From **Wisconsin**: 218—Robert Adams, *Waukesha*; Mrs. J. M. Albert, *Madison*; Lois Almon, *Eau Claire*; R. J. Altpeter, *Madison*; Mrs. Florence Anderson, *Madison*; Audrey Andrews, *Milwaukee*; Clarence A. Anthes, *Waukesha*; H. C. Ashman, *Madison*; A. Bakken, *Madison*; Mrs. Ivy N. Balsom, *Milwaukee*; Mr. and Mrs. N. R. Barger, *Madison*; Erwin R. Beilfuss, *Madison*; Ruby Bere, *Madison*; Margaret S. Bergsens, *Madison*; Otis S. Bersing, *Madison*; N. Bilstad, *Madison*; Margaret Borgas, *Milwaukee*; Mr. and Mrs. A. S. Bradford, *Appleton*; Robert T. Brown, *Madison*; Richard A. Bub, *Milwaukee*; R. N. Buckstaff, *Oshkosh*; Harvey Bullis, *Milwaukee*; Marguerite Christensen, *Madison*; Charlotte Churchill, *Madison*; Mrs. Roger Conant, *Wauwatosa*; Mrs. H. E. Consigny, *Madison*; Tom Consigny, *Madison*; Arlene Cors, *Portage*; Paul B. Cors, *Ripon*; Marjorie Crandall, *Madison*; Mrs. Catherine Crocker, *Madison*; Flora N. Davidson, *Madison*; Caroline E. DeBoos, *Madison*; Mrs. Charles R. Decker, Jr., *Milwaukee*; Murl Deusing, *Milwaukee*; J. L. Diedrick, *Milwaukee*; Mr. and Mrs. Gilbert M. Doane, *Middleton*; L. W. Dodge, *Madison*; Mary F. Donald, *Milwaukee*; Robert S. Dorney, *Horicon*; Mr. and Mrs. Myron J. DuQuaine, *Green Bay*; Bob Dutton, *Madison*; Lila Ellarson, *Madison*; Robert S. Ellarson, *Madison*; Elizabeth Emery, *Marshfield*; Mr. and Mrs. John T. Emlen, Jr., *Madison*; Mrs. H. R. English, *Madison*; Anita H. Erickson, *Hartland*; J. H. Evans, *Oshkosh*; Mrs. W. H. Firth, *Milwaukee*; Mrs. Glen Fisher, *Oshkosh*; Alice J. Fosse, *Madison*; C. P. Frister, *Milwaukee*; Mrs. Carl Frister, *Milwaukee*; Flora Garrett, *Oshkosh*; Eloise Gerry, *Madison*; Edna J. Goldsmith, *Wisconsin Rapids*; Wallace Grange, *Babcock*; Mr. and Mrs. Cleveland Grant, *Mineral Point*; Fred Greeley, *Madison*; Margaret J. Grismer, *Madison*; Mr. and Mrs. O. J. Gromme, *Milwaukee*; James B. Hale, *Ladysmith*; George A. Hall, *Madison*; Phil Halse, *Manitowoc*; Theodora L. Haman, *Two Rivers*; Mark A. Hannas, *Burlington*; Martin J. Hansen, *Horicon*; Cora E. Harvey, *Appleton*; Mr. and Mrs. H. T. Hartwell, *Madison*; Arthur D. Hasler, *Madison*; E. Helgesen, *Madison*; Mr. and Mrs.

Howard Higgins, *Kenosha*; Mr. and Mrs. Joseph J. Hickey, *Madison*; Ruth L. Hine, *Madison*; Ellen A. Hoffman, *Madison*; Leone Hoffman, *Waukesha*; George D. Holton, *Racine*; R. P. Hopkins, *Horicon*; Elden Hunter, *Milwaukee*; Mr. and Mrs. R. Hussong, *Green Bay*; Bill Jackson, *Madison*; Laurence R. Jahn, *Lake Mills*; S. Paul Jones, *Waukesha*; Thelma F. Jones, *Madison*; C. S. Jung, *Milwaukee*; B. D. Kaiman, *Milwaukee*; Edith Kaufmann, *Madison*; Peter Kaufmann, *Madison*; Brina Kessel, *Madison*; William M. Kitz, *Horicon*; Karine Kjolseth, *Oshkosh*; Robert A. Kloss, *Madison*; Mrs. Rexford Kneyer, *Germantown*; K. Kolstad, *Madison*; Mrs. W. B. Kramar, *Mattoon*; Helen Kranzusch, *Manitowoc*; Mrs. Charles Krause, *Sun Prairie*; Chester G. Krawczyk, *Green Bay*; Mrs. James Lacy, *Madison*; Mrs. F. L. Larkin, *Milwaukee*; Doris E. Leppla, *Ashland*; Herbert W. Levi, *Madison*; Lillian M. Logermann, *Milwaukee*; Robert A. McCabe, *Madison*; Tom McHugh, *Madison*; Mr. and Mrs. Robert McIntosh, *Milwaukee*; Angie Kumlien Main, *Fort Atkinson*; Lillian Marsh, *Manitowoc*; Harold A. Mathiak, *Horicon*; Mrs. Melva Maxson, *Milton*; Mrs. P. E. Miles, *Madison*; George C. Morris, *Madison*; Margarette E. Morse, *Viroqua*; H. W. Mossman, *Madison*; Helmuth C. Mueller, *Milwaukee*; J. C. Neess, *Madison*; Mr. and Mrs. C. E. Nelson, Jr. *Waukesha*; Donna Nelson, *Salem*; Robert Nero, *Madison*; Ruth Nero, *Madison*; Herbert C. Neuenschwander, *Madison*; L. E. Nolan, *Madison*; Helen Northup, *Madison*; Ethel Nott, *Keedsburg*; Elizabeth Oehlenschlaeger, *Milwaukee*; Mrs. Ethel Olson, *South Wayne*; Gordon Orians, *Milwaukee*; H. L. Orians, *Milwaukee*; Mr. and Mrs. D. F. Parmalee, *Appleton*; Max Partch, *Lake Mills*; Edward W. Peartree, *Oconomowoc*; Mr. and Mrs. Walter A. Peirce, *Racine*; Mr. and Mrs. O. I. Pennington, *Bernamwood*; Arnold J. Peterson, *Madison*; Eleanor L. Peterson, *Madison*; Merle N. Pickett, *Manitowoc*; Mary Edith Penney, *Milwaukee*; Andy Ragat, *Madison*; Harold Roberts, *Black River Falls*; Nancy M. Roberts, *Black River Falls*; Luther Rogers, *Appleton*; Mr. and Mrs. Walter E. Rogers, *Appleton*; F. R. Rogner, *Madison*; Mr. and Mrs. A. M. Rood, *Racine*; Lorna Rose, *Madison*; Bess Russel, *Appleton*; Fred Ryser, *Madison*; William L. Sachse, *Madison*; Helen Schaller, *Manitowoc*; Rosalie Schiferl, *Jefferson*; Clay Schoenfeld, *Madison*; A. W. Schorger, *Madison*; Helen E. Schroeder, *Madison*; Mr. and Mrs. H. D. Scott, *Wauwatosa*; Gertrude M. Scott, *Madison*; Harold D. Scott, *Wauwatosa*; Ian D. Scott, *Wauwatosa*; Walter E. Scott, *Madison*; Josephine Sieker, *Manitowoc*; Amelia Simmons, *Milwaukee*; Lotus Simon, *Madison*; Ruth Louise Simon, *Madison*; C. J. Skelly, *Milton*; Dorothy R. Skuldt, *Madison*; Winnifred Wahls Smith, *Two Rivers*; Mr. and Mrs. Thomas J. Stavrum, *Madison*; Gratia Stavrum, *Madison*; Mr. and Mrs. Lee Steven, *Milwaukee*; Miss Steven, *Milwaukee*; Ruth Stillman, *Madison*; Robert Strecker, *Madison*; E. W. Strehlow, *Milwaukee*; Carl L. Strelitzer, *Milwaukee*; Daniel Q. Thompson, *Madison*; Don Thompson, *Madison*; Mr. and Mrs. A. L. Throne, *Milwaukee*; George Treichel, Jr., *Milwaukee*; Mildred Van Vonderen, *Green Bay*; Gerald A. Vogelsang, *West Bend*; Mrs. R. A. Walker, *Madison*; Mrs. Andrew Weber, *Green Bay*; Mrs. Lola Welch, *South Wayne*; Carl Welty, *Beloit*; Keith White, *Fond du Lac*; Eugene Whitehead, *Madison*; P. C. Whitehead, *Madison*; Eileen J. Williams, *Madison*; Elizabeth Williams, *Waukesha*; John Williams, *Madison*; Harold C. Wilson, *Ephraim*; Donald E. Wohlschlag, *Madison*; Harold R. Wolfe, *Madison*; Howard Young, *Madison*; Mrs. H. W. Zimdars, *Madison*; F. R. Zimmerman, *Madison*.

WILSON ORNITHOLOGICAL CLUB APPOINTMENTS FOR 1949

President Olin Sewall Pettingill, Jr., has made the following appointments for 1949:

Local committee on arrangements for thirty-first annual meeting. Maurice Brooks, *Chairman*.

I. B. Boggs, Virginia G. Cavendish, Charles Conrad, W. R. DeGarmo, Ralph Edeburn, N. Bayard Green, James T. Handlan, Mrs. John W. Handlan, C. O. Handley, Eva Hays, W. C. Legg, M. Graham Netting.

Research Grant Committee. Charles G. Sibley, *Chairman*. Ernst Mayr, Frank A. Pitelka, Dwain W. Warner, John T. Emlen, Jr., George M. Sutton.

Endowment Fund Committee. Leonard C. Brecher, *Chairman.* Robert T. Gammell, Robert L. Edwards, Clinton S. Banks, Robert A. McCabe.

Library Committee. George J. Wallace, *Chairman.* Arthur Staebler, H. Lewis Batts, Dwain Warner, A. W. Schorger, Mrs. Herbert Carnes.

Wildlife Conservation Committee. H. Albert Hochbaum, *Chairman.* John M. Anderson, Clarence Cottam, Oliver H. Hewitt, Harrison F. Lewis.

Illustrations Committee. Robert M. Mengel, *Chairman.* W. J. Breckenridge, Allan D. Cruickshank, Richard P. Grossenheider, Hal H. Harrison, Karl H. Maslowski, Roger T. Peterson, Edgar M. Reilly, Jr., Terence M. Shortt.

Membership Committee. Seth Low, *Chairman.* Gale Monson, Mrs. Almer Nelson, Dr. R. T. Gammell, John E. Galley, Walter E. Scott, Miss Catherine Crone, Mrs. Frederick Laskey, Mrs. Herbert Carnes.

Representative of the Wilson Ornithological Club on the American Ornithologists' Union Council. Burt L. Monroe.

Board of Trustees. James Henry Bruns (1947, 1948, 1949), A. W. Schorger (1948, 1949, 1950), and Frederick V. Hebard (1949, 1950, 1951).

Other appointments will be announced later.