

NARST NEWSLETTER

Read Last pg.
Amend.

Spring 1963

Vol 5

Cyrus W. Barnes

PROCEEDINGS OF THE 36TH ANNUAL MEETING OF NARST

The 36th Annual Meeting of NARST was held in the Willard Hotel, Washington, D.C., February 20-23, 1963, with the theme, "Better Measurement for Better Research." The opening session consisted of reports of research by members, followed by informal group discussions and a time for committee meetings. More reports and discussion of research, on the second day, were followed by a presentation on the Cooperative Research Program of the United States Office of Education by Dr. Francis A. J. Ianni, Acting Director; and a Model for Structuring Classroom Learning Situations by Dr. John R. Ginther.

At the annual luncheon meeting an address by Dr. James B. Edson, Technical Assistant to the Director of the Office of Advanced Research and Technology of the National Aeronautics and Space Administration, provided a searching analysis of the personal adaptability required of individuals doing research for NASA.

At the luncheon Darrell Barnard speaking for the Executive Board presented to Clarence M. Pruitt the following citation:

"The Executive Committee of the National Association for Research in Science Teaching desires to make public special acknowledgment and expression of appreciation of the long, generous, thorough, and devoted service of Dr. Clarence M. Pruitt to science teaching and to this Association. Dr. Pruitt, you joined the National Association for Research in Science Teaching in its early years and served the Association as secretary from 1946 to 1960. You became business manager of SCIENCE EDUCATION in 1931 and editor of SCIENCE EDUCATION in 1946. For over a quarter of a century you have worked faithfully as an officer of this Association. Hereby we make public expression of our gratitude."

Starting the third day with the topic, "The Classroom or Laboratory Behavior of Pupils as Evidence of Learning in Science," Darrell Barnard, Willard Jacobson, Joe Novak, and Herb Smith presented four independent original plans for research, which became the subjects of sub-group discussions and reports. More contributed papers were followed by a symposium on "The Role of the Supervisor in the Implementation of Research" by Albert Eiss, Lloyd Johnson, Everett Landin, and Lee Wickline. Ralph W. Tyler chaired a symposium on "Scientific Inquiry" by Robert M. Gagne, Ned Brych, Winslow Hatch, and Fletcher Watson. The closing session was a Joint Meeting of the Council of Elementary Science, International and NARST on "Significant Research in Elementary School Science."

FROM THE PRESIDENT

I want to express humble, sincere appreciation for the honor of serving as president of the Association for a year.

This year particularly seems characterized by new opportunities for professional progress closely linked to responsibilities for professional labor. The new Journal of Research in Science Teaching can be an instrument of communication built to NARST's own exacting standards, and seems well started on this high level, but can communicate no better research than the contributors produce. The heavy responsibility is ours to provide quality research well reported, and to bring it to the attention of the editor of the Editorial Board.

The Biennial Surveys of Research have been very useful to the profession. The reports on which the 1961-63 Survey will be based are now being collected by the Research Coordinator, Lloyd Johnson. All members of NARST are urged to report any research completed in 1961-63 to Lloyd using the USOE form. Let's make the 61-63 Survey one in which all the research studies are reported on time on the proper form.

The several patron memberships represent also an opportunity and a responsibility - the opportunity for NARST to render broader and more secure service, and the responsibility to convey to each Patron a sound picture of the Association, its goals, its performance to date, its problems, its plans for improving research.

THE ANNUAL BUSINESS MEETING

A high point of the annual business meeting was the announcement by President Obourn that the new Journal of Research in Science Teaching is a fact, the agreement between NARST and the Publisher, John Wiley & Sons, Inc. having been signed! Early in May the first issue of the first volume was mailed to all members. Four issues per year are planned. The Journal is the official organ of NARST and of the Association for the Education of Teachers in Science. The editor is Dr. J. Stanley Marshall; the Editorial Board includes Glenn Blough, Ernest Burkman, William Cooley, Fred Fitzpatrick, Paul Hurd, John Mason, Sidney Rosen, Fred Seiler, and Craig Sipe.

Deep and full thanks are due Bud Obourn and his Executive Board, Ed Martin and his Publications Committee, and to Editor Marshall for their thorough study of the many problems involved and their establishment of our new venture in communications. John Wiley & Sons, Inc. were most helpful in every way.

To assist prospective authors in determining the applicability of their manuscripts for publication in the Journal, the Editorial Board has drafted a tentative statement of editorial policy and of format for use by contributors. A copy of this statement can be obtained from the editor.

Probably special mention should be made of the joint sponsorship of the Journal by NARST and AETS, a result of discussion and planning extending over three or more years. AETS is represented on the Editorial Board and the Publications Committee. A joint committee of NARST and AETS has been in operation for two years, and is presently engaged in developing recommendations for a definite, mutually satisfactory plan for joint professional and financial support of the Journal.

A second high point was the announcement that through the assistance of the Scientific Apparatus Manufacturers Association, its Executive Vice-President Kenneth Andersen, and Executive Secretary James R. Irving, an invitation was sent to members of SAMA to accept patron relationship to NARST. To date, 11 patron memberships have been received, with contributions to the support of the Association totaling \$1,100.

NEW MEMBERS

Announcement of election of the following persons to membership in NARST was made at the 1963 meeting of NARST:

- | | |
|---------------------------|-----------------------------|
| 1. Alcorta, Louis B. | 11. Gould, Orrin |
| 2. Anderson, Harold M. | 12. Hale, Helen |
| 3. Brewster, Stuart | 13. Harris, William N. |
| 4. Brown, Walter R. | 14. Hatch, Winslow R. |
| 5. Bruce, Matthew H., Jr. | 15. Irving, James R. * |
| 6. Burdick, John | 16. Kastrinos, William, Jr. |
| 7. Butts, David P. | 17. Keller, Dolores E. |
| 8. Cummins, Ernie L. | 18. Klinge, Paul |
| 9. Fowler, H. Seymour | 19. Klopfer, Leopold E. |
| 10. Gatewood, Claude W. | 20. Krebs, Robert E. |

New Members (Cont'd.)

- | | |
|----------------------------|---------------------------|
| 21. Lightner, Jerry P. | 34. Shedd, A. Neal |
| 22. Lyne, Everett | 35. Sippo, Carmine C. |
| 23. Maben, Jerrold W. | 36. Slesnick, Irwin L. |
| 24. Meppelink, Fred, Jr. | 37. Subarsky, Zachariah* |
| 25. Myer, Marshall E., Jr. | 38. Suttle, John E. |
| 26. Owens, Howard B. | 39. Tannenbaum, Harold E. |
| 27. Pierson, David W. | 40. Thelen, Levern J. |
| 28. Roberts, Charles C. | 41. Treiger, Seymour |
| 29. Rosemergy, John C. | 42. Uffelman, Robert L. |
| 30. Rowe, Mary Budd | 43. Vassel, John W., Jr. |
| 31. Routh, Charles J. | 44. Watrel, Albert A. |
| 32. Schwarz, Guenter | 45. Wickline, Lee E. |
| 33. Sharefkin, Belle D. | |

* Membership re-instated.

COMMITTEE REPORTS

The PUBLICATIONS COMMITTEE, Ed Martin Chairman, reported on their activities in developing a plan of operation for the Committee. The following statement of the functions of the committee was prepared by the members and officially approved by the Executive Board of NARST.

- (1) To determine policy and guidelines for the activities of the Association which will result in published materials. This includes: the new Journal of Research in Science Teaching; the reports of biennial surveys of research; the digests of research in science education; papers presented at annual meetings; articles and other materials submitted for inclusion in the Journal; abstracts of research studies; and any other publications or materials sponsored by or accepted for publication or distribution by the Association.
- (2) To determine uniform policy and guidelines for official cooperation of the Association with other professional organizations and associations in the preparation and distribution of published or other materials which represent the official position of the Association on the matters concerned.
- (3) To determine and specify policy for the Editorial Board; and to review periodically the actions of the Board, the editorial staff of the Journal, and the contractual and working relationships between the Association and the publisher of the Journal.
- (4) To review annually the fiscal operations of the Association concerned with all publishing activities and to make an official report to the Executive Committee at the annual meeting on these operations including any suggestions or recommendations on ways in which the fiscal and related publishing operations should be modified and/or improved.
- (5) To coordinate the work of official committees and individual members in their publication activities involving: reviewing of manuscripts submitted for publication in the Journal; reviewing of papers to be presented at the annual meeting; serving as advisors and consultants to staff members of research resource centers and to graduate students on technical matters related to the preparation of manuscripts and reports.
- (6) To plan and put into operation a uniform system of coding and filing of all research studies, reports, and abstracts which are published by the Association.
- (7) To perform other functions, related to the above, which may be assigned by the Executive Board.

The Committee has been involved with drawing up a prospectus for the new Journal; locating and interviewing prospective publishers of the Journal; working with representatives of the publisher in preliminary and final drafts of a publishing agreement; and assisting with planning for the first issue of the Journal.

The Committee also selected the title for the new Journal, basing its decision on the responses to a questionnaire sent to a sample of the membership.

The COMMITTEE ON CONSTITUTION AND BY-LAWS, Mervin E. Oakes, Chairman, recommended changes in by-laws, of which the following were adopted:

1. Provision for election of members from time to time instead of only at the time of the annual meeting;
2. Provision for patron membership for certain persons, corporations, or institutions upon contribution of \$100. per annum.
3. Provision for election of officers by ballot as follows:

"At the regular Annual Meeting, the President shall appoint a Nominating Committee of three to prepare mail ballots for electing officers, including members-at-large of the Executive Board, for the next ensuing year, with two or more nominees for each office except Secretary-Treasurer and Research Coordinator, for which only one is required. The slate proposed by the Nominating Committee shall be published in the Newsletter at least four (4) months prior to the Annual Meeting. Nominations may also be made by petition of ten (10) members which shall be in the hands of the Secretary three (3) months prior to the Annual Meeting. Ballots shall be mailed by the Secretary to all members eligible to vote two (2) months prior to the Annual Meeting, to be returned to the Secretary within four (4) weeks from date of mailing to members. Election shall be by plurality, in serial order. In event of tie vote the decision shall be made by vote of the members present at the next Annual Meeting. Results shall be announced at the Annual Meeting."

The COMMITTEE ON ARCHIVES AND RECORDS, Philip Johnson Chairman, recommended a permanent repository for NARST records, microfilming or otherwise preserving documentary materials of possible historical value; the appointment of an historian, microfilming of all issues of SCIENCE EDUCATION, and collection of materials of possible historical interest. Clarence M. Pruitt was appointed Historian.

For the COMMITTEE ON RELATIONS WITH ARTS, Harold Spielman reported satisfaction with the progress in setting up the JOURNAL OF RESEARCH IN SCIENCE EDUCATION, and expressed the hope that the new Journal will become a regular avenue of communication between the "complementary organizations, existing in a cooperative, mutually profitable, symbiotic relationship."

The COMMITTEE OF RELATIONS WITH SUPERVISORS, Al Eiss Chairman, recommended further collaboration in developing research and communicating research results.

Richard Harbeck reported on relations with the U. S. Office of Education, mentioning the distribution of the 1957-59 Biennial Survey of Research, and the final processing of the 1959-61 Survey. The work of NARST and USOE on new volumes of the Curtis Digest was reported, as were the conferences and demonstration centers of the cooperative research branch of the USOE.

The COMMITTEE ON RELATIONS WITH CESI, Paul Blackwood Chairman, recommended annual review and planning in terms of the place of meeting and program commitments of the two organizations, to determine each year the advisability of having a joint annual meeting. The Committee recommended joint sponsorship of one-day sessions at the NARST annual meetings featuring research studies dealing with elementary school science.

The Editor's report mentioned some of the problems of developing the new Journal and expressed appreciation for the patience shown by NARST members during the interim in which they received no issues.

The COMMITTEE ON ORGANIZATION, STRUCTURE, AND FUNCTION, Fredric B. Dutton, Chairman, expressed the desirability of sharpening the focus of the statement of functions of NARST. The Committee has prepared a revised statement.

The INTERNATIONAL COOPERATION IN RESEARCH IN SCIENCE EDUCATION, Rose Lammel Chairman, recommended preparation of a roster of foreign students, publication of research abroad in science education in the Journal, an international conference on science education research, and a conference of American science educators who have served professionally in foreign countries.

The COMMITTEE ON CRITERIA FOR RESEARCH, Joe Novak Chairman, recommended a special conference on research in science education.

CURTIS DIGEST COMMITTEE, George Mallinson Chairman, reported progress in applying modern information retrieval techniques to storage and retrieval of data from science education research.

RESEARCH COORDINATOR Lloyd Johnson described the status of work on the 1961-63 Biennial Survey. He urged that NARST members make every effort to insure that research completed in this biennium be reported to the USOE for inclusion in this Survey.

RELATIONS WITH NSTA, Paul Hurd Chairman, has been considering NARST collaboration on a session on research at NSTA national and regional meetings, long range planning and preparation of the "Spotlight on Research" in The Science Teacher, and the need for a full time executive officer or secretary for NARST.

The NOMINATING COMMITTEE, Clarence Boeck chairman, reported nominations as follows:

President	Cyrus Barnes - by automatic succession, New York University
President-Elect:	Fred Dutton - Michigan State University Edward Weaver - Atlanta University
Secretary-Treasurer:	Joe Novak - Purdue University
Research Coordinator:	Lloyd Johnson, U.S.O.E.
Executive Board:	Fletcher Watson - Harvard University Milton Pella - University of Wisconsin J. Myron Atkin - University of Illinois William Reiner - New York City Board of Education

Fred Dutton was elected President Elect.

Milton Pella and Fletcher Watson were elected to the Executive Board.

NARST COMMITTEES 1963-1964

AMENITIES

Chairman, Joseph D. Novak
N. Eldred Bingham
Herman R. Branson
Hubert M. Evans
Philip G. Johnson
Vaden W. Miles
Mervin E. Oakes
William Van Deventer

ARCHIVES AND RECORDS

Chairman, Philip G. Johnson
N. Eldred Bingham
Sam S. Blanc
Ralph Buchsbaum
Herman G. Kranzer
Mervin E. Oakes
Frederick T. Pregger
Clarence M. Pruitt
B. John Syrocki

AUDIT

Chairman, Vaden W. Miles
B. Richard Siebring
Edward Victor
Allan D. Weaver

CONSTITUTION AND BY-LAWS

Chairman, Mervin E. Oakes
Clarence H. Boeck
Hubert B. Crouch
Clarence M. Pruitt
James A. Rutledge
Betty L. Wheeler

NARST Committees 1963-1964 (Cont'd.)CRITERIA FOR RESEARCH

Chairman, Joseph D. Novak
 C. Michael Adragna
 J. Myron Atkin
 Clarence H. Boeck
 William W. Cooley
 Lloyd K. Johnson
 Robert Karplus
 Arnold M. Lahti
 Addison Earl Lee
 Ralph W. Lefler
 John J. Montean
 Robert Henry Reeve
 Joseph J. Schwab

CURTIS DIGEST

Chairman, George G. Mallinson
 Winslow Hatch
 Ellsworth S. Obourn
 Clarence H. Boeck
 George T. Davis
 Jerry B. Davis
 Ralph P. Frazier
 Marjorie P. Gardner
 Lloyd K. Johnson
 Arnold M. Lahti
 William B. Reiner

FINANCIAL NEEDS AND PROGRAM

Chairman, Fletcher Watson
 Alfred T. Collette
 Abraham S. Fischler
 Harley F. Glidden
 Robert Karplus
 Nathan A. Neal
 Ellsworth S. Obourn
 Abraham Raskin
 John W. Renner
 Joseph J. Schwab
 Edward Victor
 Thomas M. Weiss
 Elwood J. Winters

INTERNATIONAL COOPERATION IN RESEARCH

Chairman, Rose Lammel
 Kenneth E. Anderson
 N. Eldred Bingham
 Herman Branson
 Robert R. Buell
 Hubert M. Evans
 Willard J. Jacobson
 Philip G. Johnson
 Margaret J. Lawler
 Ralph W. Lefler
 Abraham Raskin

NOMINATING

Chairman, Frederick L. Fitzpatrick
 Clarence H. Boeck
 Harold S. Spielman

ORGANIZATION, STRUCTURE AND FUNCTION

Chairman, Kenneth E. Anderson
 Cyrus W. Barnes
 Clarence H. Boeck
 Paul E. Blackwood
 Fredric B. Dutton
 Arnold B. Grobman
 Paul DeH. Hurd
 Philip G. Johnson
 George G. Mallinson
 John R. Mayer
 Vaden W. Miles

PROGRAM

Chairman, Fredric B. Dutton
 J. Myron Atkin
 Robert Karplus
 Rose Lammel
 Margaret J. Lawler
 Joseph J. Schwab

PUBLICATIONS

Chairman, W. Edgar Martin
 J. Myron Atkin
 John W. Breukelman
 George G. Mallinson
 J. Stanley Marshall
 Martin L. Robertson

RECRUITMENT OF WOMEN FOR NARST

Chairman, Rose Lammel
 Muriel Beuschlein
 Mary Burmester
 Helen Challand
 Margaret J. Lawler

NARST--AETS RELATIONS

Chairman, Fred L. Fitzpatrick
 Harley F. Glidden
 Thomas P. Fraser
 Julius Schwartz
 Emery L. Will

NARST -- CESI

Chairman, Paul E. Blackwood
 Glenn O. Blough
 Willard J. Jacobson
 Arnold H. Lahti
 Hugo E. Lahti
 Rose Lammel
 Albert Piltz
 Howard I. Wagner

NARST Committees 1963-1964 (Cont'd.)NARST -- INDUSTRY

Chairman, Ellsworth S. Obourn
 James R. Irving
 Paul Klinge
 Louise A. Neal
 Milton O. Pella
 John W. Renner
 Martin L. Robertson
 Sidney Rosen
 Samuel Schenberg

NARST -- SUPERVISORS

Chairman, Albert F. Eiss
 H. Victor Bullock
 George Katagiri
 Elmer W. McDaid
 Harold P. Pluimer
 Samuel Schenberg
 J. Hervey Shutts
 Donald W. Stotler
 Samuel H. Wyatt

NARST -- MATHEMATICS EDUCATORS

Chairman, John R. Mayor
 Herman Branson
 Marjorie Gardner
 Philip Peak
 Robert Uffelman

RESEARCH COORDINATING

Chairman, Lloyd E. Johnson
 C. Michael Adragna
 J. Darrell Barnard
 Paul E. Blackwood
 R. Will Burnett
 William W. Cooley
 Fred W. Fox
 Richard M. Harbeck
 Addison Earl Lee
 W. Edgar Martin
 John M. Mason
 John G. Read
 William B. Reiner
 Herbert A. Smith

NARST -- NSTA

Chairman, Paul DeH. Hurd
 Robert R. Buell
 Robert E. Henze
 W. Edgar Martin
 Milton O. Pella

NARST -- PUBLIC

Chairman, Thomas M. Weiss
 Edward Victor
 Robert Bullington
 Helen Challand
 Charlotte Grant
 Zylpha Hurlbut
 Milton Schulman

By action of the Executive Board, new committees were appointed as follows:

COMMITTEE ON RELATIONS WITH INDUSTRY -- E.S. Obourn, Chairman

COMMITTEE ON RELATIONS WITH MATHEMATICS EDUCATORS, John E. Mayor, Chairman

By action of the Executive Board, a registration fee of \$2. will be charged at the 1964 Annual Convention.

The 1964 Annual Convention will meet concurrently with but independently of the NSTA Convention in March in Chicago. Scientific Inquiry is being considered as a possible theme. Plans are progressing for NARST participation in the AAAS program in December in Cleveland.

By action of the Executive Board, each NARST committee is asked to present its report at the 1964 Convention in the form of a short duplicated summary which will be distributed in advance but not read. Only recommendations involving motions for action by the Association will be presented at the meeting. Form: one page, concise statement with recommendations for action clearly identified.

By action of the Executive Board, a brochure on the purposes and history of NARST is being prepared by Mervin E. Oakes and Clarence M. Pruitt for distribution to members of the Association.

Please report to Dr. Joseph D. Novak, Purdue University, Lafayette, Ind. changes of address and corrections needed in the roster of membership distributed recently.

By a unanimous vote of the Association, recommendation was made that Dr. Clarence M. Pruitt receive the Distinguished Science Educator award in Science Education. Mervin Oakes was appointed biographer to prepare a statement concerning Dr. Pruitt for use in Science Education in this connection.

NEWS ITEMS

Mervin E. Oakes has retired after a distinguished career at Queens College. Dr. Oakes shares with Dr. Pruitt the responsibility for the forthcoming NARST Brochure; he also is Chairman of the Constitution and By-Laws Committee, and has long served as Parliamentarian.

Herbert A. Smith, past president of NARST and of NSTA, is Chairman of the Department of Science Education at the Pennsylvania State University.

Joe Zaffononi is Assistant Professor of Education at the Pennsylvania State University.

Harry A. Cunningham, one of the long time leaders of NARST has retired at the age of 70 from Ohio State University, Kent, Ohio.

Send items for the Fall Newsletter to Dr. Milton O. Pella, University of Wisconsin, Madison, Wis.

HUBERT M. EVANS, 1902-1963

DR. HUBERT M. EVANS, professor of natural sciences at Teachers College, Columbia University, died May 21, 1963.

Dr. Evans went to Teachers College in 1935 after ten years of high school science and mathematics teaching. He was affiliated with the Science Manpower Project, and participated in numerous professional projects for the improvement of instruction in science including curriculum surveys, research on classroom films, and extensive professional writing, including numerous articles, books, and contributions to yearbooks.

He gave generously of time and energy to NARST and to AETS. His extensive constructive support of many and varied professional activities has produced effects that will long endure.

The Second National Conference for Delegates of Science Teacher Organizations, convened by the NSTA in July, passed the following resolution:

WHEREAS, in our opinion, the improvement of science courses and science curriculums for students in the lower fifty per cent has been neglected, both by government or public agencies, private foundations, and private textbooks publishers,

BE IT RESOLVED that this Conference call on local schools, school systems, state departments of education, the U. S. Office of Education, the National Science Foundation, the National Education Association, other concerned agencies and organizations, and legislatures to increase promptly and significantly their support of appropriate programs to develop courses, curriculums, and supporting instructional materials better designed for effective education in science for all students at all educational levels from kindergarten through high school and into the college level.

National Association for Research in Science Teaching

AFFILIATED WITH THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT
OF SCIENCE AND THE COUNCIL FOR RESEARCH IN EDUCATION

Application for Admission to Membership

Date _____

Name _____ Date of birth _____

Address _____

Marital status _____ Number of children _____

Degrees Held	Dates	Institutions	Major	Major Professor

Positions held. Give in chronological order with dates and work done on reverse side of this sheet (include military service, if any).

Organization memberships--indicate any offices with date:

Honors, fellowships, grants, etc.:

Research accomplishments. Include Master and Doctoral studies now in process (so indicate) with dates of completion.

Attach a complete bibliography of publication(s):

Name and address of a member who will serve as your sponsor:

Names of other members who know you: _____

Return to: J. D. Novak, Secretary, Department of Biological Sciences,
Purdue University, Lafayette, Indiana

NATIONAL ASSOCIATION FOR RESEARCH IN SCIENCE TEACHING
Sponsor's Recommendation for Membership

Your name has been suggested as a sponsor for the following applicant:

Name of applicant: _____

His present position and location: _____

Your past and present association with the applicant: _____

Your knowledge of his research work and ability in this area: _____

Other bases for recommendation for membership (leadership, etc.):

Names of other NARST members who might know this candidate or who might be able to talk with the applicant if desired:

How strongly do you recommend his admission: _____

Name of sponsoring member: _____

Position and location: _____

Date: _____

Return to: J. D. Novak, Secretary, Department of Biological Sciences,
Purdue University, Lafayette, Indiana.

Sec. 1, B -- to insert paragraph 3:

A person, corporation, or institution interested in furthering research in Science Education, upon agreeing to contribute one hundred dollars (\$100.00) or more per annum to the Association, may be designated a Sustaining Member by the Executive Board.

Sec. 1, C -- second paragraph to re-word as follows:

"All persons proposed for membership who meet the eligibility requirements shall be elected by the Executive Board, from time to time during the year, and the Secretary shall notify those elected at once. The names of those elected shall be read at the Annual Meeting."

"The dues of a Sustaining Member shall be at least \$100.00 per annum."

Sec. 3, B -- Election of Officers. Replace entire first sentence:

"At the regular Annual Meeting the President shall appoint a Nominating Committee of three to prepare mail ballots for electing officers, including members of the Executive Board, with two or more nominees for each office. Ballots shall be mailed by the Secretary to all voting members by the first of October of that year, to be returned by the first of November. Results shall be announced at the Annual Meeting."

Sec. 5 -- in second paragraph, after Publications Committee, insert:

"Editorial Board, Activities Committee, Archives and Records Committee, Public Relations Committee, Membership Committee,"