

Rec 1

NATIONAL ASSOCIATION FOR RESEARCH IN SCIENCE TEACHING

Vice-President
Vaden W. Miles
Wayne State University
Detroit, Michigan

President
Thomas P. Fraser
Morgan State College
Baltimore, Maryland

Secretary-Treasurer
Clarence M. Pruitt
University of Tampa
Tampa, Florida

Member of
Executive Committee
Nathan S. Washton
Queens College
Flushing, New York

Member of
Executive Committee
Clarence H. Boeck
University of Minnesota
Minneapolis, Minnesota

NEWS LETTER

April 24, 1958

Message from President Fraser

Dear NARST members:

It was a pleasure to see you in Chicago for our 31st Annual Meeting which represented another milestone of the NARST.

This news letter tells a story of many interesting research projects now underway by NARST committees. One of our big objectives now is to secure financial support for some large scale studies.

It certainly is a pleasure to serve NARST as its 26th president. In looking over the list of eminent leaders who have served the Association as presidents, I am reminded that two members of my doctoral committee are past presidents of NARST. Gerald Craig was 6th president, and Sam Powers was 9th president. To follow in this succession of some of the greatest science educators of their periods is a challenge and an opportunity.

31st Annual Meeting

The 31st Annual meeting which was held in Chicago, February 19-22, 1958 was notably successful. Copies of both regular and luncheon programs were mailed to the members in advance of the Chicago meeting.

Clarence Pruitt was honored at the luncheon session. The joint meeting with the National Council for Elementary Science on Saturday was an outstanding success. Attendance, despite the snow storm which blanketed the eastern seaboard and kept some easterners away, was very good. Muriel Bueschlein did a fine job for us: including radio, TV, and newspaper coverage.

32nd Annual Meeting

Mark these dates on your calendar: February 19, 20, and 21, 1959.

Place: Hotel Dennis, Atlantic City, New Jersey.

Vaden Miles of Wayne State is program chairman for 1959. Preliminary plans for the 32nd include a Saturday luncheon honoring past presidents, and a cooperative meeting with the National Council on Elementary Science, and the Association on the Education of Teachers in Science. Science Education is the official organ of these organizations.

Coordinating Committee on Collegiate Problems of Teacher Education

Members in attendance at the 31st Annual Meeting in Chicago voted for NARST to affiliate with the Coordinating Committee on Collegiate Problems of Teacher Education. Your president will take steps to carry forward this proposal. Twenty-fifth past president Washton, vice-president Miles, and secretary-treasurer Pruitt represented the Association at the executive committee meeting of the Coordinating Committee in Chicago on February 19th.

The joint meeting with the combined organizations of the Coordinating Committee was held at the Conrad Hilton in Chicago on February 21. A large number of NARST people joined others in listening to a fine address by Ralph Bunch.

Fourth and Fifth Digests of Investigations
in the Teaching of Science

Ken Anderson (chairman, 4th Digest) and George Mallinson (chairman, 5th Digest) met with their committees at the recent Chicago Meeting, and formulated plans for preparing the Digests. Both Ken and George have made specific assignments and have agreed on a time schedule. Harley Glidden is the most recent appointment to George's committee, and Bud Obourn to Ken's committee. The chairmen and members of the two Digests committees are shooting for December 31st as the deadline when materials will be turned over to Nathan Washton.

Clarence Pruitt has forwarded \$100.00 to each chairman to cover some of the routine tasks of the two committees.

The cost of preparing the final manuscript will be available from the monies donated by the Library of Science.

George Mallinson is assuming the leadership in preparing a proposal to be submitted to the U.S. Office of Education for support of the work involved in preparing these two Digests.

Committee on Needed Research

Bill Van Deventer is the hard working chairman of this committee. His co-workers include: Ed. Weaver, Bud Obourn, Nathan Washton, and Beth Schultz.

Library of Science

The Library of Science granted \$1000.00 to the Association to conduct the project entitled "Criteria for Selecting Supplementary Reading Science Books for Intellectually Gifted High School Students".

Letter Transmitted in Accordance with Resolution

The letter prepared by an NARST committee at the 31st Meeting in Chicago has been sent to key persons in industry, education, and government. The letter called attention to the following areas critically in need of studies:

- (1) Possibility of elimination of non-functional elements from traditional subject matter disciplines.
- (2) Methods of rendering more efficient the preparation of teachers of science at all educational levels.
- (3) Determining the effect of the utilization of science consultants at state and local levels in the improvement of science teaching.
- (4) Studying the status of existing types of facilities and equipment, and the need for improvement of these important aspects of science teaching.
- (5) Developing reliable and usable instruments of measurement and evaluation for the less tangible results of science teaching such as understandings, attitudes, and problem-solving skills, which are important in the utilization of subject matter principles and concepts.
- (6) Developing functional teaching aids, and efficient methods of their utilization, including the testing of their effectiveness under conditions of research.
- (7) Developing more effective laboratory procedures at all educational levels.

Interesting replies have been received from the following persons:

1. Howard L. Beavis, Chairman, The President's Committee on Scientists and Engineers
2. Wallace R. Brode, Science Adviser, Department of State
3. S. D. Cornell, Executive Officer, National Academy of Sciences, National Research Council
4. Marion B. Folsom, Secretary of Health, Education, and Welfare
5. Theodore M. Hesburgh, National Science Board

6. William V. Houston, National Science Board
7. Frederick H. Jackson, Carnegie Corporation of New York
8. James G. Kelsc
9. J. R. Killian, Jr., The White House
10. Donald H. McLaughlin, National Science Board
11. Edward J. McShane, National Science Board
12. John R. Mayor, Director of Education, AAAS
13. Frederick A. Middlebush, National Science Board
14. Samuel M. Nabrit, National Science Board.
(Sam Nabrit is a member of NARST)
15. A. Andrew Potter, National Science Board
16. Warren Weaver, The Rockefeller Foundation, National
Science Board
17. E. M. Whaley, Executive Director, National Academy of
Sciences, National Research Council
18. Douglas M. Whitaker, The Rockefeller Institute,
National Science Board
19. Alan T. Waterman, Director, National Science Foundation

It is gratifying to know that our Association has received heartening responses to some of these letters. The reply from Dr. Alan T. Waterman, National Science Foundation, is reproduced below:

Dr. Thomas P. Fraser
President
National Association for Research
in Science Teaching
Morgan State College
Baltimore, Maryland

Dear Doctor Fraser:

I wish to acknowledge and to thank you for your letter of February 26, transmitted in accordance with a resolution of the National Association for Research in Science Teaching.

It is gratifying to know that your Association has been working for so many years toward an objective with which the National Science Foundation is deeply concerned -- the improvement of science teaching. As you know, many of the Foundation's programs are directed at the specific problem areas listed in your letter. I am enclosing a guide for submission of research proposals to the Foundation.

The action taken by the members of the National Association in formally offering their cooperation is heartening. I hope that you will convey my appreciation at the earliest opportunity.

Sincerely yours,

/S/ Alan T. Waterman
Director

AAAS Fellowship

Undoubtedly there are NARST members who should be Fellows of the American Association for the Advancement of Science. For this reason we are publishing the following announcement:

"Members (fellows) of our Society who are also members of the American Association for the Advancement of Science are qualified for automatic fellowship in the AAAS. It will be appreciated if those who are currently AAAS members and do not have a AAAS fellowship certificate will advise the American Association for the Advancement of Science, 1515 Massachusetts Avenue, N.W., Washington 5, D.C."

George Mallinson is our competent representative on the AAAS Council, and on the Cooperative Committee.

Co-ordinators of Publications

Nathan Washton and Bud Obourn are co-chairmen of publications. Nathan has made arrangements with Scarecrow Press to reprint the first three volumes of the Investigations of Teaching Science which were edited by Francis D. Curtis (NARST president, 1933).

General Biological Supply House

The "new-look" program for the 31st Annual Meeting was made possible by a grant of \$350.00 from the General Biological Supply House, 8200 Hoyne Avenue, Chicago, Illinois. Mr. Blair Coursen, president, attended several of our Chicago sessions, and invited members to visit the Turtox laboratories at his company's expense.

1958 National Conference On

Teacher Education and Professional Standards

NARST has accepted an invitation to serve as a cooperating organization for the Thirteenth Annual National Conference on the campus of the Bowling Green (Ohio) State University, June 24-28, 1958. The following NARST members have been nominated to receive invitations to attend the Conference: Vaden Miles, Waldo Blanchet, and Clarence Boeck. George Mallinson and Milton Pella have been designated as alternate representatives.

Analysis of Research in the Teaching of Science

The New U.S. Office of Education Publication, Bulletin 1958, No. 7, "Analysis of Research in the Teaching of Science", will be published about May 1. It will be sent to all members of NARST.

I am requesting the membership to write to Dr. Ellsworth S. Obourn, Specialist for Science, U.S. Office of Education, stating the value of this bulletin as a printed document. Please do this today because we want this printed document continued.

Annual Review

The Annual Review in Science Education Research is under the cochairmanships of Bud Obourn and Ed. Weaver. I am hereby appointing with the approval of Bud and Ed the following persons to the various level committees.

College Level

Level Chairman: John H. Woodburn (2 Years)
Johns Hopkins University
Baltimore, Maryland

<u>One Year</u>	<u>Two Years</u>	<u>Three Years</u>
Oakes Shaver	Bullington Raskin	Winters Glidden

Secondary Level

Level Chairman: Hubert Evans (2 years)

<u>One Year</u>	<u>Two Years</u>	<u>Three Years</u>
Schenberg Prewitt	Stanley Brown Lowry	Pella McKibben

Elementary Level

Level Chairman: Betty Lockwood Wheeler (2 years)

<u>One Year</u>	<u>Two Years</u>	<u>Three Years</u>
Jacobson Burleson	Marion Young Boyer	Lammell Adkin

I will get around, one of these days, to a more formal way of making these appointments. Meanwhile, I hope that all persons will accept the appointment to these level committees.

This year a new plan has been instituted for the committee. Members are appointed for 3 years and level chairmen for 2 years. Each year one third of every level committee will be discontinued and new members added. In this way it is hoped that there will always be a nucleus of old members on the committee. This will preclude the necessity of starting an entirely

new committee each year. It is also planned each 2 years to select the cochairmen from those who have served as level chairmen and to select new level chairmen from among those who have been committee members.

AAAS Meeting in Washington

NARST will participate in the annual meeting of the American Association for the Advancement of Science which will be held in Washington, D.C., December 26 to 30, 1958. Plans are now going forward, in cooperation with other science teaching groups affiliated with the AAAS, for both separate and cooperative meetings. At one session there will be a report of the research in science education, and a discussion of the implications for classroom teachers. Bud Obourn and Tom Fraser are NARST representatives for the AAAS Program.

Cooperative Research Program of the U.S. Office of Education

Members of the Association who are engaged in or planning research studies under the sponsorship of their institution or State educational agency should submit proposals to Dr. Roy M. Hall, Assistant Commissioner for Research, U.S. Office of Education.

Second and Third News-Letters for 1958-59

no hard Vaden Miles and Clarence Boeck will prepare and issue the second and third news-letters for 1958-59. Plans call for distributing the second news-letter in October and the third news-letter in January, 1959.

*Boeck
Dec. 58*

First Call for Papers for 1959 Meeting

If you plan to present a paper at the 1959 meeting or know of someone that should be contacted about presenting a paper will you please write Vice-President Vaden Miles or Secretary-Treasurer Clarence Pruitt.

Cordially,

Tom

Thomas P. Fraser

TPF:AK