

*Spring 1960*  
*Jan 14*  
*Feb. 1960*

Greetings from the Immediate Past President

Dear Fellow Members:

It was an honor and pleasure for me to serve as your 27th president during the year ending with the 33rd Annual Meeting in February, 1960.

A resume<sup>1</sup> of major activities of the year includes: (1) marked progress by you under the guidance of the Research Coordinator and his committee in identifying fundamental unresolved issues and critical problem areas in science education which need researching, and a start on the establishment of Research Resource Centers to facilitate and coordinate our research efforts; (2) joint meetings of NARST with the Council of Elementary Science International (CESI); with the American Association for the Advancement of Science (AAAS), and with the American Association of Colleges for Teacher Education (AACTE); (3) enhancement of the status of NARST in its working relations with scientific and professional societies--notably this year the National Academy of Sciences-National Research Council, the American Educational Research Association, the Council for Research in Education (CRE), the AAAS, the AACTE, the CESI, the National Commission on Teacher Education and Professional Standards, the U. S. Office of Education, the Association for Higher Education, and the science teaching societies; (4) the publication of reviews of research in Science Education, in School Science and Mathematics, in College and University Bulletin and in bulletins of the U. S. Office of Education; (5) the revision of the Constitution of Narst which is to be distributed to you; and (6) movement of the office of Secretary-Treasurer of NARST to Washington in order to facilitate closer working relationships with the many scientific and professional societies whose headquarters are there. (NARST has charter status in CRE.)

Without the full cooperation and dedicated effort of each member, of the working committees, and of a hard working executive committee, so much could not have been accomplished in so short a time. I am grateful to all of you. NARST is proud of its past. The future of the organization is in good hands--your hands and an able executive committee selected by you.

Clarence Boeck comes to the presidency and Herbert Smith to the position of vice-president and program chairman with nationally recognized abilities as directors of research and leaders in science education. Both are capable administrators. Their aspirations for NARST are of the highest order. With your help, coupled with the work of the executive committee, NARST is surging forward with rapidity.

I am looking forward to seeing you at the next meetings in Chicago.

Cordially,

Vaden W. Miles

The Association hereby welcomes the following persons to its membership:

1. DR. OLAF P. ANFINSON  
Associate Professor of Physical Science  
Long Beach State College  
Long Beach, California
2. DR. LUTHER COLYER  
Head, Science Division  
College of Emporia  
Emporia, Kansas
3. DR. WILLIAM W. COOLEY  
Graduate School of Education  
Harvard University  
Cambridge 38, Massachusetts
4. DR. PETER DEAN  
Assistant Professor of Science  
Wayne State University  
College of Education  
Detroit 2, Michigan
5. DR. LLOYD H. HEIDGERD  
Assistant Professor  
College for Teachers  
State University of New York  
Buffalo 22, New York
6. DR. R. M. HELMS  
Professor of Physics  
East Carolina College  
Greenville, North Carolina
7. DR. LLOYD K. JOHNSON  
Assistant Professor  
School of Education  
Rutgers University  
New Brunswick, New Jersey
8. DR. JANE JOHNSTON  
Associate Professor  
Moorhead State College  
Moorhead, Minnesota
9. DR. KENNETH V. OLSON  
Assistant Professor of Biol. Science  
Colorado State College  
Greeley, Colorado
10. DR. LINCOLN C. PETTIT  
Assistant Professor of Natural  
Science  
Michigan State University  
East Lansing, Michigan
11. DR. JOHN W. RENNER  
Associate Executive Secretary  
National Science Teachers Assoc.  
1201 Sixteenth Street, N.W.  
Washington, D.C.
12. DR. SIDNEY ROSEN  
Visiting Associate Professor of  
Science Education  
College of Education, Univ. of  
Illinois  
Urbana, Illinois
13. DR. B. RICHARD SIEBRING  
Associate Professor of Chemistry  
University of Wisconsin  
Milwaukee, Wisconsin
14. DR. THOMAS M. WEISS  
Associate Professor of Education  
Arizona State University  
Tempe, Arizona

## TEPS

The theme of the San Diego TEPS Conference is "Teacher Certification." This is the third in a series of conferences to which NARST has been invited to send representatives. Four members were nominated and invited to attend:

Joseph Novak	Purdue University, our representative last year
Herbert Smith	Vice-President, NARST
Paul DeH. Hurd	Stanford University
Lexay Spore	Visalia, California

We are allowed two representatives. Vice-President Smith has already accepted; Paul Hurd had to refuse, no word from the other two at this writing.

### NARST-AAAS, New York, December 26, 31, 1960

NARST has provided a Research Symposium--review of recent research--as part of the AAAS program for a number of years. Again this year, NARST will participate in the AAAS meetings. Because this is the first year of a two-year research collection period, the review of research will not be the NARST program this year. A program, cosponsored by Section Q of AAAS, is being arranged by Dr. William W. Cooby of Harvard University of the subject of "Machine Processing of Research Data." The coordinator of programs of the teaching societies is Dr. Phyllis Busch. Past president, Nathan Washton, has consented to represent NARST at planning sessions and to plan an additional program to be presented during the December 29 session. A first planning meeting was held May 21.

### AAAS Membership

Many of you are already members of the AAAS. If, however, you are not, your president sponsors you for membership in AAAS--the one large organization that represents, and works for, all science. The weekly magazine Science is included with the annual dues of \$8.50.

Write Raymond L. Taylor, Associate Administrative Secretary, AAAS, 1515 Massachusetts Avenue, N. W., Washington 5, D. C. for the booklet "Facts about the AAAS." The application for membership in AAAS is on the rear cover of this booklet. Incidentally, all members of NARST are, because of their election to this research organization, automatically eligible for fellowship status in AAAS. On application for the status of fellow you will be elected as a fellow in AAAS and thus achieve voting status in the association.

## First Call for Research Papers for 34th Annual Meeting

If you plan to present a research paper at the 34th NARST Annual Meeting, Chicago, February 22, 25, 1961, Pick Congress Hotel, or if you know someone that has a paper to present and should be contacted, please write:

Dr. Herbert A. Smith  
Vice-President and Program Chairman NARST

Until August 15, 1960

6230 29th St. N. W.  
Washington, D. C.

After August 15, 1960

School of Education  
University of Kansas  
Lawrence, Kansas

The vice-president and program chairman; upon being contacted, will provide specific directions regarding the general format of the paper, if and when manuscripts should be submitted and other pertinent information. Program materials must be essentially complete in early November. Make plans to submit your paper now, and mark a date on your calendar for informing Dr. Smith of these plans.

### Publicity

The office of publicity is now operative with the appointment of Dr. Thomas M. Weiss of Arizona State University as chairman of the publicity committee. Stories of local and national interest should be directed to him. Two eight by ten glossy photographs should be submitted with the news item, a statement of official position, and the names of all local presses, alumni bulletins and college papers, as well as local radio and TV stations. The principal job of the committee will be to publicize the 1961 meeting, but the office will function at all times provided members of NARST inform Dr. Weiss of news releases pertinent to their activities. Until June 10, he can be reached at Arizona State University, Tempe Arizona. After June 15 and for the summer, his address will be 229 North Pine Street, Lansing, Michigan.

### The Research Coordinator Reports

The Research Committee for the next biennial collection and evaluation of the research has been completed as follows:

Cochairmen: Cyrus W. Barnes, New York University  
Ellsworth S. Obourn, U. S. Office of Education

#### College Level

Chairman: Joseph Novak  
Purdue University  
Lafayette, Indiana

#### Secondary Level

Chairman: Milton O. Pella  
University of Wisconsin  
Madison, Wisconsin

## Elementary Level

John G. Navarra  
Jersey City State College  
Jersey City, New Jersey

Each level chairman will select his own committee.

Since the February meeting of NARST, the blank for collecting abstracts of published and unpublished research has been revised and will soon be sent to the Bureau of the Budget for approval.

The Manual for committee members has also been rewritten to conform to the new plans for collecting and evaluating the abstracts.

The program of establishing Research Resource Centers in Science Education is moving along.

The 65-page bulletin on unresolved issues was sent out to all NARST members for sharpening the statements and the definition of problems. A return date of May 15 was placed on these. The returns are coming in very slowly. We realize that this is a real man-sized job but we have to depend upon our members for help in this.

Please give the "issues" bulletin your immediate attention. The whole project is being carried out with blood, sweat, tears, and no money. Production is only possible with the materials and thinking of everyone on the project. It is urgently requested that the bulletins be returned as quickly as possible.

The action for the establishment of Resource Research Centers for Science Teaching is moving forward. Around thirty institutions have approved the project and indicated interest in cooperating within their capacity. Most of these institutions have designated one or more categories of issues with which they would be most concerned.

There is no intent on the part of the Association to limit participation in the program or to exercise any control over the type of program which is developed. Each institution will determine its own plans and the way in which it carries out any program.

### Newsletter Schedule for 1960-61

<u>Issue Date</u>	<u>Information Deadline</u>	<u>Editor</u>
<u>Letter I</u> November 1, 1960	October 15, 1960	Dr. Paul Blackwood 3601 Wisconsin Ave. N.W. Washington, D. C.
<u>Letter II</u> January 15, 1961	December 15, 1960	Dr. Herbert A. Smith School of Education University of Kansas Lawrence, Kansas

Members should send news items to the editor of the next newsletter at any time prior to the deadline date. Members of the Executive Committee and ~~chairmen~~ of other committees are expected to send information re their assignment to the editor of each newsletter issue by the deadline date.

### MEMBERSHIP and DUES

Please pay particular attention

The acceptance of a new constitution and by-laws by NARST at its 1960 annual meeting makes the annual dues payable at the beginning of each calendar year. Dues are thus already overdue. Treasurer Branson reports that the \$10.00 payments are extremely slow in coming. Statements have been sent to each member. Please do not overlook them!

Perhaps a few words of additional explanation for this plea are in order:

1. At the end of the last fiscal year, NARST had a treasurer's balance of zero dollars.
2. The election of Clarence Fruitt to the office of Honorary President not only pays due respect to Mr. NARST, it also sets a new and less flexible relationship with the journal SCIENCE EDUCATION. As you know, \$8.00 of the \$10.00 paid in dues goes to SCIENCE EDUCATION. If you are on NARST rolls, you automatically receive the journal. If you get the journal, NARST must pay whether your dues are paid or not. The association cannot afford this.
3. The constitution provides that "If the dues of a member remain unpaid beyond six months after due notice, the secretary shall remove the name from the membership list." We don't want this to happen to anyone!

There have, unfortunately, been several resignations from NARST in the past few months. In some instances there has been misunderstanding arising from the belief that non-payment of dues has meant automatic loss in membership. Of course, that is now possible under the new by-laws. If any present member should wish to resign, the by-laws now state:

"All resignations must be sent to the secretary in writing."

"Any former member may have his membership reinstated without prejudice and without re-election, on request to the secretary and payment of the annual dues for one year beginning at the time of the last annual meeting."

Names of prospective members should be sent to Secretary Branson. He will provide an application form to the prospect and sponsor's blank to the person recommending. These forms are being revised, but will be sent out immediately upon their final revision. Be sure to include the prospect's address when writing Dr. Branson. The constitution describes eligibility as follows:

## ARTICLE III: Membership

### Section 1. Eligibility

This Association shall have unlimited membership among those who by preparation and activities have shown their interest in the improvement of science teaching in any field, and who have contributed philosophical or statistical studies or applications of research in science education which contributions shall have been made accessible through suitable publication or report. Individuals who have contributed outstanding service to the advancement of science in education may be admitted to the Association.

In past elections to membership, those without the doctorate have not been considered qualified. This interpretation has been accepted by the electing group which is described in the by-laws:

### ARTICLE I: Election of Members

#### Section 2.

All persons proposed for the membership who meet the eligibility requirements shall be elected at the Annual Meeting by the Executive Committee together with any past Honorary-President, past President, past Vice-President, past Honorary Secretary-Treasurer, past Secretary, past Treasurer, and past Research Coordinator in attendance at the meeting. The names of those elected shall be read at the Annual Meeting.

#### WHAT'S NEW

Earl Glenn provided NARST with an idea that the Executive Committee felt merited further consideration and investigation. Dr. John Read was appointed chairman of a small local committee to "look into the possibility of a workshop, foundation supported, for the summer of 1961 to consider a national research effort in science education under the aegis of NARST." John has accepted but the date was changed to 1962. His report will be considered at the December 1961 Executive Committee meeting in New York.

It was a real pleasure to have the following former presidents of NARST in attendance at the 1960 Annual Meeting:

Gerald S. Craig (1936), Florence

G. Billig (1943-44-45), Betty Lockwood Wheeler

(1951, 1952), George G. Mallinson (1954),

Kenneth E. Anderson (1955), W. C. Van Deventer (1956),

Waldo W. E. Blanchet (1957), Nathan S. Washton (1958),

Thomas P. Fraser (1959).

CHARLES L. KOELSCH, formerly specialist for science, U. S. Office of Education, is now special assistant to the director, Office of Scientific Personnel, National Academy of Science-- National Research Council, Washington, D. C. He is currently in Pakistan.

DR. MILTON PELLA, University of Wisconsin, was elected Director of Region VI of NSTA.

CLARENCE BOECK attended a "New Media in Education Planning Conference" sponsored by the U. S. Office of Education under Title VII NDEA. The conference was held at Michigan State University last April.

DEAN KENNETH E. ANDERSON, of the University of Kansas and NARST delegate to the Council for Research in Education (CRE) was elected Chairman of the Board, CRE, at the organizational meeting in Washington, D. C. on January 25, 1960. Other officers represent the American Statistical Association, the American Psychological Association, and the NEA.

Correction: ROBERT C. SHERMAN has not retired from his position as Professor of Biology at North Texas State College, Denton, Texas, as was stated in the last NARST Newsletter.

HERMAN SCHNEIDER, lecturer in Science Education, City College of New York, is co-author with his wife, Nina, of Heath Science Series, Grades I - VIII, to be published in Fall, 1960.

PROFESSOR C. G. CLARK is on appointment as Professor of Natural Science and Chairman Physical Science Course at the University of South Florida, Tampa. This is a new state University that will open its doors in September, 1960.

DR. ROBERT BULLINGTON, professor of biology, Northern Illinois University, DeKalb, has accepted a two-year appointment as regional education advisor in science in Southeast Asia. He will live in Cambodia, but will also work in Thailand, Laos, and Vietnam.

MURIEL BEUSCHLEIN of Chicago Teachers College was granted special leave of absence to prepare a series of 75-15 minute in-service science training programs presented over WGN-TV. She will return to her teaching position in the fall.

JAMES PERLMAN has been granted a year of Sabbatical leave from San Francisco State College. He will leave in the fall for a study of the extent to which European universities and schools recognize critical thinking as a basis objective of their physical science programs, where this objective is recognized and how it is implemented and evaluated, at his request and with our blessing he will serve NARST in this international project.

DR. ELLSWORTH S. OBOURN, along with DR. HERBERT A. SMITH, has been asked to assist DR. KENNETH E. ANDERSON and others in the publication of the 1960 or 1961 issue of a "Review of Educational Research on Science and Mathematics."

DR. L. M. HARRISON, who was recently promoted to Professor of Education at the Louisiana State University, received the following citation from Dr. W. G. Erwin, Chairman of the Department of Biological Science at Northwestern State College of La. and Chairman of the Honors Awards Committee of Louisiana Teachers Association. The citation read "This year the Science Section of the Louisiana Teachers Association will for the first time honor certain individuals who have made an outstanding contribution to the advancement of science education in Louisiana. Because of your unselfish devotion and dedication to the cause of science education in the State, you are included in this group."

DR. KELSO B. MORRIS presented a paper entitled "Combustion Equilibria and Theoretical Flame Temperatures in Rocket Motors" at the twenty-first annual joint meeting of the National Science Institute and Beta Kappa Chi at Texas Southern University, Houston, Texas, in April, 1960. Dr. Morris also presented a paper on the "Potentials in the System, Cr (II)-Cr(III)" on May 5 at the national meeting of the Electrochemical Society.

"Science Teaching in the Secondary Schools", a textbook written by DR. NATHAN S. WASHINGTON, Professor of Education at Queens College, Flushing, New York, will be published by Harper and Bros. and will be off the press in 1961.

DR. PAUL DeH. HURD has been appointed a member of the Publications Committee of the American Institute of Biological Sciences Curriculum Study. He will return to Stanford University in June, 1960, after a year's leave of absence to serve as Consultant to the Biological Sciences Curriculum Study with offices at the University of Colorado, Boulder, Colorado.

DR. FRANK X. SUTMAN will be returning to Puerto Rico for the summer of 1960 to teach a course in Principles of Physical Science for High School Teachers as part of an N. S. F. science institute at the Inter American University. Dr. Sutman was formerly chairman of the Division of Natural Sciences at Inter American University. He is at present Professor of Science and Chairman of the General Studies Program at Buffalo.

DR. HENRY GOULD will be located from September, 1960 through June, 1962, at the Universitas Airlangga, Malang, Indonesia in the capacity of science educationist for the State University of New York--Ford Foundation Project to assist in developing the teacher training program in Indonesia.

DR. PHILIP N. POWERS, formerly Director of the Atomic Project at Kirkwood, Missouri, has been appointed Head of the Department of Nuclear Engineering, Purdue University, Lafayette, Indiana.

DR. SAMUEL SCHENBERG is now Director of Science at the New York City Board of Education, Brooklyn, New York. Dr. Schenberg was formerly supervisor of science in the High School Division.

DR. GRACE C. MADDUX has been promoted to Supervisor of Science at the Cleveland Board of Education in Cleveland, Ohio. Mrs. Maddux was formerly Assistant Supervisor.

DR. PAUL KAHN has been appointed Assistant Principal of the Paul Hoffman Junior High School, Bronx, New York. Dr. Kahn was formerly at the Bronx High School of Science.

DR. LYLE L. RADCLIFFE has accepted a new position at the Wisconsin State College in La Crosse, Wisconsin. Dr. Radcliffe will teach botany and related subjects.

DR. JOHN C. MAYFIELD has been appointed, effective October, 1960, Associate Professor of Biology at The College, University of Chicago, Chicago, Illinois.

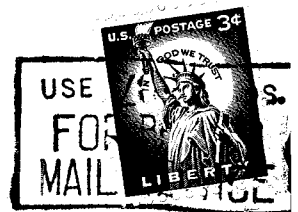
DR. JULIAN GREENLEE is now Science Supervisor of the Oakland County Schools in Pontiac, Michigan.

TURTOX NEWS is a bulletin containing articles and items of interest to teachers of biology. The TURTOX SERVICE LEAFLET covers a wide range of topics--care of cultures, feeding of laboratory animals, projects for students, etc. Both are mailed gratis, to biology teachers. Address requests to the General Biological Supply House, 8200 South Hoyne Avenue, Chicago 20, Illinois.

#### Printed Programs

The General Biological Supply House (Tortox Products), Chicago, has underwritten the printing of programs for the annual meetings of NARST for the last three years. We are grateful to Mr. Blair Coursen, president, for this courtesy.

Members may secure additional copies of the printed program for the 33rd Annual Meeting of NARST, Chicago, February 1960, by writing Clarence H. Boeck.



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