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NARST NEWSLETTER

Spring 1961 Vol 3

Prepared by Herbert A. Smith

Dear Colleagues:

It is a pleasure to express greetings to you through the medium of this Newsletter and to solicit your assistance and interest in another year of the operations of NARST. During the past two years, the NARST has had its own hours of "agonizing reappraisal." Presidents Miles and Boeck have had to wrestle with weighty and complex problems. The Association certainly owes them a debt of thanks.

The step taken by NARST to incorporate is important on two major counts. It tends to clarify our tax status, and pending our establishment as an organization in the "highest exempt" category, strengthens our position in soliciting funds from possible benefactors. It also relieves the officers of the Association of personal liability for Association obligations. Clarence Boeck has really carried the ball on this important accomplishment.

The problems facing the professional worker in science education show no signs of abatement. Thus, the Association through its members has ever wider and more extensive fields to cultivate. The members of the "Issues" Committee have rendered yeoman service and are certainly to be commended for their many hours of devoted service. Their work has helped to delineate the problem areas. It is to be hoped that the coming year will show that substantial progress is being made in working toward satisfactory resolution of some of these issues.

As your President, I will welcome your suggestions, criticisms and comments at any time. I know that you share with me the desire to help NARST realize its full potential.

Sincerely yours,



Herbert A. Smith
President

FLASH

Today, May 15, I have learned of the death of our friend and colleague Dr. Ira C. Davis on May 8. I knew that you would wish to be informed of this sad event. We shall surely miss him.

A WORD FROM OUR IMMEDIATE PAST PRESIDENT

Fellow Members of NARST:

It was indeed an honor to serve as the president of this organization during the year which was climaxed by the 34th Annual Meeting. I believe some progress and productivity can be cited as the consequence of the year of activity. I hasten to point out that these advances were not of my making. They were, instead, the output of those who effectively carried out the work of the positions to which they were elected or appointed. I extend my warmest thanks to all of them.

Secretary Branson's letter of March 9 stated that the 34th Annual Meeting was a significant one. He listed as reasons: "The papers were well received; the criticisms were sound; and the companionship stimulating." As your president during this series of meetings in Chicago, I should like to add my reasons for thinking the convention was significant.

We were operating for the first time as a corporation, for the Articles of Incorporation had been filed under the Minnesota Nonprofit Corporation Act, Chapter 317, Minnesota Statutes.

Two full evening business sessions were held. It was a real pleasure to preside at these meetings for the members faced issues squarely, sought reasonable answers to questions, and stayed with the job until workable solutions had been adopted.

Tom Weiss and his committee should be pleased at the amount and nature of publicity the meetings received in Chicago press and on radio.

The actions and functions of the association were greatly enhanced by financial assistance from corporations carrying the names: Kewaunee, Welch, Ohaus, and LaPine.

Our formal associations AAAS and CRE have been fruitful as have our activities with TEPS and with CESI. There is every reason to believe that our informal associations and activities with NSTA will continue as cordial and cooperative as they have been.

Again, my thanks to the members of the Executive Committee and officers of NARST and my appreciation to the association members who gave me their support and effort during the past year.

I am certain that the work of NARST cannot but move forward with the new officers and committee. Won't you join me in wishing them success and full cooperation?

Cordially yours,

Clarence H. Boeck
Past President

We are happy to welcome the following new members into the fellowship of NARST. We hope that you will realize your fullest expectations in the benefits which you receive and that you will find ample opportunity to serve your colleagues.

Dr. George Alterman
Queensborough Comm. Col.
New York 21, N Y.

Dr. Thomas G. Aylesworth
513 Educ. Bldg.
Michigan State Univ.
East Lansing, Michigan

Dr. David Bichler
3091 Edwin Avenue
Fort Lee, New Jersey

Dr. Sami I. Boulos
University of New York
New Paltz, New York

Dr. Phyllis S. Busch
Dept. of Science
Montclair State College
Montclair, New Jersey

Dr. Clarence E. Diebel
Dept. of Science
Southern Oregon Coll.
Ashland, Oregon

Mr. Frank Dudley
Dept. of Science
Univ. of So. Florida
Tampa, Florida

Dr. Ruth Dugan
Dept. of Science
Jersey City St. Coll.
Jersey City, N.J.

Dr. Shepard Faber
Dept. of Sci.
East Carolina St. Col.
Greenville, N.C.

Dr. Abraham S. Fischler
Dept. of Educ.
Harvard Univ.
Cambridge, Mass.

Dr. Ralph P. Frazier
Emporia St. Teachers Col.
Emporia, Kansas

Dr. Donald E. Hall
Dept. of Sci.
Univ. of Mass.
Amherst, Mass.

Dr. Millard Harmon
% Pub. School System
Newton, Mass.

Dr. Elizabeth B. Hone
Dept. of Educ.
San Fernando Valley St. Col.
San Fernando, California

Dr. Kenneth H. Hoover
Dept. of Educ.
Arizona State University
Tampa, Arizona

Dr. Irmgard F. Karle
Dept. of Science
Hunter College
New York, New York

Mr. Marvin Ivey
Dept. of Science
St. Petersburg Jr. Coll.
St. Petersburg, Florida

Dr. Harman C. Kranzer
Dept. of Science
Temple University
Philadelphia, Pa.

Dr. George M. Laug
Dept. of Science
University of New York
Buffalo, New York

Mr. Alfred Lazow
Boston University
School of Education
322 Bay State Rd.
Boston 15, Mass.

Dr. Donald E. Lee
LaSierra College
Arlington, California

Dr. Edwin E. Moise
Dept. of Education
Harvard University
Cambridge, Mass.

Dr. John J. Montean
Dept. of Science
University of Rochester
Rochester, New York

Dr. Walter I. Murray
Super. of Student Teaching
Brooklyn College
Brooklyn 10, N.Y.

Dr. Terence T. O'Connor
Dept. of Science
454 N.E. 29th Terrace
Miami 37, Florida

Mr. Donald C. Orlich
421 Daly Ave. Apt. 7
Missoula, Montana

Dr. Philip Peak
School of Education
Indiana University
Bloomington, Indiana

Dr. Paul F. Ploutz
Coor. of Science Education
Livonia Public Schools
Livonia, Michigan

Dr. Glenn F. Powers
Head, Dept. of Physics
N.E. La. State College
Monroe, Louisiana

Dr. Milton Rosenberg
Dept. of Science
Elmont Gen. Mem. H.S.
Elmont, New York

Dr. Milton Schulman
Teacher of Science
Mt. Vernon Schools
Mount Vernon, New York

Dr. Jack Sosinsky
Brooklyn Coll. of Pharmacy
Brooklyn, New York

Dr. Robert B. Sund
Department of Science
Colorado State College
Greeley, Colorado

Dr. V. Eugene Vivian
Dept. of Science
Glassboro State College
Glassboro, New Jersey

D. C. IN 1962!

The thirty-fifth Annual Meeting of the NARST will represent a break with tradition. NARST has normally met in Atlantic City around the time of the AASA Convention. Next year the Association will meet independently. The Convention will be at the Willard Hotel in Washington, D.C., February 21 to 24, 1962. It will be too early for cherry blossoms but there is always the Smithsonian and the National Art Gallery! So plan now to attend.

FIRST CALL FOR PROGRAM MATERIAL

If you plan to present a research paper or to participate in the program, please write to:

Dr. Ellsworth Obourn
President-Elect and Program Chairman
2122 Massachusetts, Avenue, N.W.
Washington, D.C.

Dr. Obourn can furnish specific information and directions for those contemplating participation. Suggestions for format and style will be provided. Because of the need of copy in time to permit the mailing of the programs and for adequate publicity, program materials should reach Dr. Obourn NOT LATER THAN NOVEMBER 1.

Because of the splendid work of Tom Weiss, Chairman of our Publicity Committee, we had probably the finest coverage we have ever enjoyed at our last meeting in Chicago. We certainly competed effectively with AERA and AACTE. Your cooperation makes good publicity possible.

CHRISTMAS IN DENVER

The mile-high city is entertaining the Annual Convention of the AAAS. We will cooperate as usual with the other Teaching Societies and Section Q to arrange a program and to participate otherwise in the meeting. The program is being planned by Dr. Edith Selberg and will probably center around Issue No. 4, specifically on "creativity", as it is related to learning in science. Efforts are being made to secure a scientist and a psychologist of national stature to participate in this program. Dr. Same Blanc is the general coordinator for all of the Teaching Society Programs.

MORE ON ALPHABETICAL ARRAYS!

As usual, NARST will have representatives in attendance at the annual TEPS conference. The meeting this year is being held on June 20-23 at the Pennsylvania State University, University Park, Pennsylvania. The Association will be ably represented by Dr. H. Craig Sipe, Dr. Lloyd K. Johnson, and Dr. Albert Eiss. The theme of this year's conference is "New Horizons in Teacher Education and Professional Standards."

DUES DUES DUES

Have you paid them? If you have, thank you! If not, they may be remitted to our efficient Secretary-Treasurer, Dr. Herman Branson, Howard University, Washington 1, D.C.

NEWSLETTER SCHEDULE

Normally, you receive three issues of the Newsletter, a spring, a fall and a winter, or program, edition. The fall issue will be prepared by Dr. Cyrus Barnes. Items should be addressed to him at the School of Education, New York University, New York 3, New York. Materials should reach him no later than September 1. The winter Newsletter will be prepared by Dr. Obourn, and will be mailed with your programs for the Washington meeting. Materials to be included in that issue should reach him not later than December 10. His address appears on page 3 of this Newsletter.

BIENNIAL COLLECTION AND ANALYSIS OF RESEARCH IN TEACHING SCIENCE (JULY 1959-JULY 1961).

On May 1, 1961, approximately 1,300 abstract reporting forms were mailed to institutions, organizations, and individuals in an attempt to locate research studies in the field of science education. This will be the final bulk mailing to collect unpublished research completed during the present biennium.

The membership is encouraged to forward to the Research Coordinator abstracts of completed research studies, and to call his attention to other worthwhile studies completed during the biennium. Abstract blanks are available from the Research Coordinator, Dr. Paul E. Blackwood, Office of Education, Washington 25, D.C.

SOME HARVARD THESES IN EDUCATION

Fletcher Watson suggests that circulating the topics of science education or science education related theses, either completed or nearing completion, might have appeal as an NARST Newsletter feature. Accordingly, he has provided the names and topics listed below.

- Lee, Eugene C. "Career Development in Science Teachers: Personality Determinants At the Exploratory Stage."
- Smith, M. Daniel. "An Investigation of Programmed Instruction."
- Carrier, Elba O. "An Investigation of the Influence of Language in the Color-Weight Associations of Deaf and Hearing Children."
- Pease, Donald A. "The Potentialities of Geology for General Education."
- Weygand, George A. "An Appraisal of a Program Designed to Improve an Area of the Secondary School Science Program (Radiation Biology)".
- Mierzwa, John. "The Differentiation of Career Choices: A Study of the Choice of a Career in Science During a Two-Year Period in Late Adolescence."
- Ezer, Melvin. "The Effect of Religion Upon Children's Responses to Questions Involving Physical Causality."

SCINTILLATION COUNTS NEW POSITIONS AND/OR NEW RESPONSIBILITIES

Margaret McKibben has moved without leaving Washington. She has been appointed to a position in the Instruction, Organization and Services Branch of the U.S. Office of Education. She was formerly Assistant Executive Secretary of NSTA.

Hubert Evans leaves this summer for Africa where he will be serving in the "Teachers for Africa" program. He will be working with American science teachers serving East African Countries.

Lloyd H. Heidgerd, formerly with the State University of New York at Buffalo, has accepted a position with Educational Testing Service.

Kelso B. Morris returns to Howard University in July to resume his duties in the Department of Chemistry. He has been on leave of absence to serve as Professor of Chemistry at the Air Force Institute of Technology at Dayton, Ohio.

Harry Milgrom will direct a workshop on "Teaching Science in Elementary School", July 10-21, at New Mexico Highland University, Las Vegas, New Mexico.

Peter Dean is leaving Wayne State University to assume responsibility for science programming and evaluation of programs on the training systems staff of U. S. Industries, Western Design Division. His new assignment takes him to (in his words) "the enticing shores of California."

June E. Lewis is completing a third year in Indonesia working with the State University Research program and Ford Foundation to establish a science program. She is returning to the United States.

Jerry Metzner is the new "Head of the Science Department" at the new Francis Lewis High School in Flushing, New York which opened for business September, 1960.

Donald C. Olich has been honored by election to the Board of Directors of the Montana Academy of Sciences.

Alfred A. Silano has been appointed Assistant Professor of Physics at Newark State College, Union, New Jersey. He comes to his new position from Highland Park High School, Highland Park, New Jersey.

Nelson L. Lowery has been selected as chairman of the Illinois Aerospace Education Committee.

Thomas M. Weiss has been promoted to Chairman of the Department of Educational Foundations at Arizona State University.

Jane Johnston has been promoted to "professor."

R. M. Nelson represented the American Institute of Physics in their "Visiting Scientists in Physics" program for secondary schools during 1959-60 and 1960-61.

Mervin Oakes has received a promotion to Associate Professor at Queens College.

Fred R. Schlessinger is serving as Director, Second Science Facilities Study. This study is a project of the NSTA and is supported by a grant from the Science Apparatus Makers Association.

We regret to report that George L. Terwilliger informs us of the death of C. E. Montgomery. Dr. Montgomery received a Science Recognition Award in March of 1960.

Herbert A. Smith is serving as Chairman of a Film Advisory Board of NSTA which is supervising the preparation of a series of motivational films for the junior high school level. The National Cancer Institute has provided the funds under a grant. The actual detailed planning and production is in the hands of a project team at Oklahoma University at Norman.

Our oldest active member, (Am I correct on this?) Dr. Benjamin C. Gruenberg reports the celebrating of his 85th birthday with his children and grandchildren in Berkeley. He notes with satisfaction the achievement of his granddaughters, one of whom received an "A" in science and another, an "A" in mathematics.

Robert MacCurdy participated in an "Aerospace Educational Symposium" at Centenary College. He spoke on "Impact of Conquest of Space on Education."

B. John Syrocki is serving as a member of the Clearing House on On-Going Research in Education for the New Ycrk Educational Research Association.

Albert Eiss has been appointed as Director of the Pennsylvania Science Writing Conference, a project co-sponsored by the Department of Public Instruction and supported by grants from industry. Materials for an experience-centered K-9 science program will be prepared by the Conference and used experimentally by selected schools next September.

During the past year, Ralph Powers has been teaching at St. Paul's College in Lawrenceville, Virginia

Paul Blackwood has been honored by the Office of Education by a special citation. His citation was awarded "for meritorius contribution to American education through providing a high quality of leadership in the field of science in elementary schools throughout the Nation."

Paul Ploutz has been named editor of the publication of the newly formed "National Science Supervisors Association."

Paul DeH. Hurd has been made chairman of the "Learning Aids Committee of the Biological Sciences Curriculum Study." In April, Paul met with science teachers in Alberta, Canada to help them inaugurate a new Science Council.

Nelson F. Beller has accepted a two year assignment in Indonesia to work with the Indonesian Ministry of Education in helping to provide for the training of secondary school science teachers. The project is sponsored by the State University of New York and Ford Foundation. His address will be "University of Northern Sumatra, % F. K. I.P., Medan, Sumatra, Indonesia."

Beginning September 1, Ralph Lefler will assume the role of Visiting Staff Consultant to the American Institute of Physics with headquarters at 335 East 45th Street, New York 17, New York. Ralph will be on this assignment for one year and will be concerned primarily with physics at the pre-college level.

Nathan Washton is conducting a science content workshop for elementary school teachers at Adelphi College. In addition, he will serve as Director for an NSF academic year institute in 1961-62.

Ralph L. Beck and his wife toured Europe last summer. Their trip included England and 10 Continental countries. The trip was made on the S. S. United States.

NEW PUBLICATIONS, STUDIES, PROJECTS

Horace Bliss is doing a preliminary study of college teachers of chemistry in order to determine if teachers in institutions with more limited resources might not profit from opportunities similar to those now being provided by NSF Institutes and related programs for secondary school teachers.

Paul DeH. Hurd has a book off the press on Biological Education in the United States - 1890-1960. This book is available from the American Institute of Biological Science, 2000 P Street, N.W., Washington 6, D.C. (no royalties for Paul.)

Ralph Frazier and John Breukelman will have a study coming off the press in September entitled "Offerings and Enrollments in the Secondary School Sciences in Kansas in 1960-61."

Nathan Washton has a new science methods book in print. It is entitled Science Teaching in the Secondary School and is published by Harpers.

Ed. Victor is a co-author with Alex Joseph and Elizabeth Hone of a book Source Book for Elementary Science. It will be published this summer by Harcourt Brace and Company. Ed is also serving as Science Editor for the Follett Beginning Science Book Series and as a consultant on films to Cenco Scientific Company.

Nelson Beeler has a book, Experiments in Sound, due for publication in June.

Clyde M. Brown served as Chairman of a Committee which prepared an elementary science curriculum guide for the State of Illinois. The bulletin, Strengthening Science Teaching in the Elementary Schools, is being distributed throughout the State to elementary teachers.

Honor A. Webb has prepared an article requested by the Editor of the Journal of Education, Teachers College, Tuticortin India. This title was "Trends in the Teaching of Science in the Elementary Grades - U.S.A." It is expected that similar titles for the junior high and senior high levels will follow. Dr. Webb has also prepared a visual unit on "Atomic Power" and a revision of "The Earth's Atmosphere" for the Keystone View Company.

Matthew F. Vessel and Edward J. Harrington have a new book out on Common Native Animals. The publisher is Howard Chandler, San Francisco.

Harry Milgrom has a publication due in September titled Explorations in Science: A Book of Basic Experiments. E. P. Dutton & Co. are the publishers.

Herman and Nina Schneider announce publication of their 7th and 8th Grade books of the Heath Science Series.

Thomas Weiss and Kenneth Hoover have a new book, Scientific Foundations of Education. It is published by Wm. C. Brown Co.

Elizabeth Hone is working on a State Advisory Committee on Outdoor Science and Conservation. The committee prepares bulletins on various aspects of conservation.

Abraham Fischler has published a policy monograph on Modern Junior High School Science. This publication is one of the Science Manpower Project series at Columbia.

Willard Jacobson and Harold Tannenbaum have a policy monograph in press on Modern Elementary School Science. It too, is one of the Science Manpower Project series.

Luther Colyer reports a study of the educational achievement of students in biology in a college laboratory school compared to that in "conventional" high schools.

The June 1961 issue of the Review of Education Research will be devoted to areas of science and mathematics. Kenneth Anderson and Herbert Smith served as co-chairmen of the Committee preparing the report.

Erich Hopka reports the publication of his book, the Chemistry Helper, designed for college freshman chemistry students.

A LATE WORD FROM DR. OBOURN

Proposed Plan for Research Papers at NARST Convention

It has been proposed that a different plan be tried for research papers at the convention in Washington next February. Those having papers to present are requested to notify Dr. Ellsworth S. Obourn, U. S. Office of Education, Washington, 25, D.C. at the earliest possible moment and to be prepared to submit a 500-word abstract of the paper to him not later than November 1, 1961. The abstract should emphasize such things as design of the study, nature of the sample, limitations of the study, methods of collecting data, methods of processing data, methods of interpreting data and the findings.

The abstract will be duplicated and sent out to the NARST membership about one month in advance of the meeting. By using this approach it is hoped that not more than 10 or 12 minutes of program time will be needed for the presentation of a given paper at the Annual meeting.

A FINAL "BON MOT"

Your wonderful cooperation in feeding Newsletter material to me is most appreciated. May I close with a bit of homespun doggerel ?

There was a young man from the sticks (not Styx)
 Who wanted to learn all the tricks
 He heard of the NARST,
 (A meeting in Washington in D.C.)
 So he saved all his coin and his ideas too
 And visited the city to see and meet you.

SEE YOU IN WASHINGTON.