

NARST NEWSLETTER

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NEXT ANNUAL MEETING

Arrangements have been made to hold the next annual meeting of the NARST at the Hotel Willard in Washington, D. C., February 20, 21, 22 and 23, 1962. Plans for the program are going forward under the supervision of Dr. Cyrus Barnes at New York University. Those having papers to present should forward a tentative draft together with a 500-word abstract of the paper to Dr. Cyrus W. Barnes, New York University, 32 Washington Place, New York 3, N. Y., before November 15. The abstract should emphasize design of the study, nature of the sample, methods of collecting, processing, and interpreting the data, and the findings. Abstracts of all papers to be presented at the Convention will be duplicated and sent to the membership early in January. With this procedure it is hoped that about 10 to 12 minutes of program time will suffice for each paper, leaving more time for questions and discussion.

NARST ACTIVITIES

Progress on a Publisher for the New NARST Journal

After several months of waiting, Interscience - Wiley has submitted an agreement form to the Executive Committee for consideration as a basis for that publishing company becoming the publisher of the new journal. The Agreement has been sent to all members of the Executive Committee as well as to the editor. It has been agreed to by a majority of these with only a few reservations.

The President and W. Edgar Martin, Chairman of the Publications Committee, in conference with other NARST members at the Office of Education, have gone over the proposed Agreement, section by section and line by line. This group has raised several questions about wording and phraseology. It seems wise in the light of all of the questions and reservations to seek counsel both professional and legal regarding the points under question. As soon as these have been resolved, it is the plan to contact the Executive Committee and the editor once more for approval of any changes made on the advice of counsel. Following this action, it is the plan to arrange a conference with representatives from Interscience - Wiley for the purpose of compromising views on the proposed Agreement.

When a revised form of the Agreement has been drawn that is satisfactory to the NARST, it will be signed by the appropriate authorities and by Interscience -

Wiley. In the first issue of the News Letter following any final action, the full text of the Agreement will be published.

We are still hoping that the first issue of the new journal will appear early in 1963.

Naming the New Journal

On May 29, 1962, Dr. Obourn, President of NARST, sent questionnaires to a representative sample of 35 NARST members asking them to give their preferences for titles for the new journal. Five suggested titles were given on the questionnaire; each individual was asked to check 1st, 2nd, and 3rd choices of these titles or to suggest an additional title and assign a rank to it. A total of 31 replies were received by July 1, 1962. Tabulation of the results shows the following:

Suggested title	Number of individuals assigning:			
	Choice #1	Choice #2	Choice #3	
Journal of Science Education Research	7	5	1	(13)
Science Education Research	5	6	0	(11)
Journal for Research in Science Teaching	3	4	3	(10)
The Journal of Science Teaching Research	0	0	4	(4)
Journal of Research in Science Teaching	11	3	3	(17)

Additional titles recommended:

Journal of Research in Science Education	2	0	2	(4)
Journal of Science Education	1	0	0	(1)
Research in Science Education	1	0	1	(2)
Journal for Research in Science and Mathematics Teaching	1	0	0	(1)

To determine the rank of a suggested title in relation to other titles in the list, the following procedure was used:

Weights were assigned arbitrarily to each choice as follows:

- Choice #1 -- Wt 3
- Choice #2 -- Wt 2
- Choice #3 -- Wt 1

Composite weights were then computed for each title by multiplying the assigned weight (Wt) for each title by the number of individuals who had indicated a particular choice for that title (N).

Suggested title	Choice #1		Choice #2		Choice #3		Combined Weight	Rank
	Wt	N	Wt	N	Wt	N		
Journal of Science Education Research	3	7	2	5	1	1	32	2
Science Education Research	3	5	2	6	1	0	27	3
Journal for Research in Science Teaching	3	3	2	4	1	3	20	4
The Journal of Science Teaching Research	3	0	2	0	1	4	4	6.5
Journal of Research in Science Teaching	3	11	2	3	1	3	42	1

Additional titles recommended:	Choice #1		Choice #2		Choice #3		Combined Weight	Rank
	Wt	N	Wt	N	Wt	N		
Journal of Research in Science Education	3 x 2		2 x 0		1 x 2		8	5
Journal of Science Education	3 x 1		2 x 0		1 x 0		3	8.5
Research in Science Education	3 x 1		2 x 0		1 x 1		4	6.5
Journal for Research in Science and Mathematics Teaching	3 x 1		2 x 0		1 x 0		3	8.5

The titles in rank order of preference are:

Rank	
1	Journal of Research in Science Teaching
2	Journal of Science Education Research
3	Science Education Research
4	Journal for Research in Science Teaching
5	Journal of Research in Science Education
6.5	The Journal of Science Teaching Research Research in Science Education
8.5	Journal of Science Education Journal for Research in Science and Mathematics Teaching

Functions of the Publications Committee

The Publications Committee is one of the standing committees of NARST. It has been in operation for many years, but throughout this period its functions and responsibilities have not been clearly defined or the limits of its authority clearly delineated.

The following statement of the functions of the committee was prepared by the members and officially approved by the Executive Committee of NARST.

The functions of the Publications Committee are:

- (1) To determine policy and guidelines for the activities of the Association which will result in published materials. This includes: the proposed 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 Committee.

Biennial Summary of Research

Three surveys are currently in varying stages of completion. The report for July 1957 to July 1959 is at the Government Printing Office in page proof. A reasonable estimate of a release date is late fall or early winter. A copy of this report will be mailed to each member.

The manuscript for the 1959 - 1961 biennium is being prepared at the present time. USOE specialists are aiming at a target date of June for publication of the report.

Abstract blanks were sent out last spring to collect research completed between July 1961 and July 1962, and a second mailing is planned for this fall. The cooperation of the entire membership is needed to assure a complete coverage of research completed during the 1961 - 1963 biennium. Any members knowing of research that has been completed or expected to be completed before next July are urged to send the name and address of the researcher and title of the report to Lloyd K. Johnson, U. S. Office of Education, Washington 25, D. C.

Progress of NARST Digest Project

1. The original compilation of research studies in science education, since the last Curtis Digest, was made by Mr. Fred Meppelink as part of his Master's degree program at Western Michigan University.
2. Copies of the compilation made by Meppelink were sent to the Digest committee consisting of Obourn, Lahti, Smith, Boeck, and Mallinson, all of whom listed those studies which should be included in a final publication.
3. The evaluations made by the original committee are now being compiled and a master list of those studies to be included will be completed before October 1.

4. An enlarged Digest committee was appointed by Dr. Obourn for preparing the studies in much the same way as they were prepared by Curtis.
5. A letter is now being circulated among the original members of the Digest committee describing the manner in which the digesting should be done, in an effort to obtain a statement that will produce standard material for the final editing.
6. By December 1 it is hoped that the final step in digesting the material preparatory to publication will begin.

NARST Representation at Denver Meeting

On July 6th, President Obourn represented NARST at the meeting of representatives from all science teaching organizations called by NSTA in Denver, Colorado. A short paper was presented dealing with the structure of the association, its purposes, policies and program.

OTHER NEWS

Work Conference for State Science Supervisors Held by the Office of Education, June 25-29, 1962.

Fifty-seven conferees representing 48 states, the Canal Zone, and Puerto Rico attended this Work Conference. Papers on emerging goals in science education and the need for high standards of quality in science education set the tone of the conference. Other major addresses by leading scientists presented new concepts in biological and physical science and materials for developing understanding of these concepts. A panel of State Science Supervisors described new science improvement programs. Small group discussions identified and clarified the problems facing the State Science Supervisor in his leadership role. The U. S. Office of Education will publish a detailed report of the conference.

AAAS Conferences on Science Programs for Elementary and Junior High Schools

During the summer of 1962, the American Association for the Advancement of Science sponsored two conferences to discuss recommendations for the development of elementary and junior high science curriculums. One conference was held at Cornell University, Ithaca, New York. The other was held at the University of Wisconsin, Madison. About forty scientists, science educators, psychologists, and teachers participated in each conference. The recommendations developed at each conference will be considered by the AAAS Commission on Science Instruction in Elementary and Junior High Schools as it moves forward in sponsoring science curriculum development programs.

It is noteworthy that each conference strongly urged that the AAAS Commission encourage the development of several science curriculums based on different logically sound approaches.

AAAS Commission on Science Instruction in Elementary and Junior High Schools

It may be of interest to NARST members to know that the membership of the AAAS Commission is as follows:

Albert A. Blank, Institute of Mathematical Sciences, New York University.
George B. Brain, Superintendent, Baltimore Public Schools, Baltimore, Maryland.
Graham DuShane, AAAS (to become Head of the Department of Biology and Dean of Graduate Sciences, Vanderbilt University).
Margaret W. Efraemson, Principal, Rudolph S. Walton Public School, Philadelphia.
Robert M. Gagne, Department of Psychology, Princeton University (after June 19, American Institute for Research).
Reuben G. Gustavson, Office of the President and Department of Chemistry, University of Arizona.
Thomas S. Hall, Department of Zoology, Washington University.
James G. Harlow, Dean, College of Education, University of Oklahoma.
J. Stanley Marshall, Head, Department of Science Education, Florida State University.
Charles E. Olmstead, Head, Department of Botany, University of Chicago.
Illa Podendorf, Laboratory School, University of Chicago.
Dixy Lee Ray, Department of Zoology, University of Washington.
Leonard M. Rieser, Deputy Provost and Department of Physics, Dartmouth College.
Gates Willard, Manhasset Junior-Senior High School, Manhasset, New York.

WHO IS DOING WHAT

The Science Manpower Project under the editorship of Fred Fitzpatrick has published a monograph entitled: Electron Micrographs in the Teaching of Biology by Dorothy Gelber Feldman.

Hubert Evans has been working with science teachers who are preparing for service in the Teachers for East Africa Project. Hubert returned from service with this project in Kampala, Uganda last spring.

Willard Jacobson taught during the summer session at the University of Hawaii.

Dr. Ernestine O'Connell has joined the Science Education Department at Florida State University as an Assistant Professor. Dr. O'Connell has been for the past two years teaching chemistry and science education at Mt. St. Vincent's College in Halifax, Nova Scotia. She previously taught chemistry at Ryan Memorial High School in Dorchester, Massachusetts, for several years.

Paul F. Ploutz has taken the position of Director of Science K-12 for the Jefferson County Public Schools, 1580 Yarrow Street, Lakewood, Colorado (78 schools, 44,000 students). He has also been selected as editorial consultant for the National Aeronautics and Space Administration, Washington 25, D. C. This position with the Educational Services Branch of NASA will be concerned with the development of printed space science enrichment materials.

Dr. Margaret McKibben has resigned her position as Specialist for Secondary Science at the U. S. Office of Education to accept a position of considerably more

importance. On September 15th, Dr. McKibben was married to Mr. Malcolm M. Lawler at the Cathedral Chapel in Pittsburgh, Pennsylvania. Mr. and Mrs. Lawler will reside at 234 East Pearson Street, Chicago, Illinois.

Member Helen H. Schwalen passed away April 14, 1962.

Grace C. Maddux, Supervisor of Science for the Cleveland, Ohio schools retired in June, 1962, and is moving to Sun City, Arizona.

Leslie Walter Trowbridge has moved to Colorado State College, Greeley, Colorado.

Thomas G. Aylesworth has assumed the editorship of Current Science at Connecticut Wesleyan University. His new address is Wesleyan University, Department of Publications, 55 High Street, Middletown, Connecticut.

Nathan Washton will be a visiting professor at the University of Hawaii, College of Education, from September 1, 1962, to June 15, 1963, when he will return to Queens College.

Mr. W. Edgar Martin of the U. S. Office of Education has recently contributed an article for publication in the American School Board Journal. He has asked that the honorarium for the article be given to the National Association for Research in Science Teaching.

Dr. N. E. Bingham has taken a leave of absence from the University of Florida to serve as Science Educator on the Columbia University Team in India, with headquarters in New Delhi. He will be gone for two years, and would appreciate having his correspondence sent to him at his APO address, which is as follows:

Dr. N. E. Bingham
c/o TC India Team
APO 959 Box N.D.
San Francisco, California.

John M. Mason has taken a year's leave of absence from the College of Education and the Science and Mathematics Teaching Center at Michigan State University to accept a temporary assignment at the University of Florida at Gainesville. His address is:

John M. Mason
College of Education
University of Florida
Gainesville, Florida.