

Newsletter

Vol.19 No.3 NEWSLETTER OF THE NATIONAL ASSOCIATION FOR RESEARCH IN SCIENCE TEACHING Sept.1977

1978 ANNUAL MEETING
Hotel Toronto
Toronto, Ontario, CANADA
Friday, March 31 - Sunday, April 2

Plan now to attend the first international meeting of NARST also being held in conjunction with AERA. AERA meets Monday, March 27 through Friday, March 31, and we meet Friday through Sunday. Our hotel is the Hotel Toronto while AERA will be at the block away, making it easy for you to attend sessions of both. Note these dates carefully. There was a change from those in the AERA 1977 program.

Your program committee is at work and requests that you get your proposals and suggestions in by the deadline. See instructions beginning on page two. They are building the program around the following tentative time schedule.

Friday, March 31

7:00-Noon	Board Meeting
1:00-2:15	Opening
	General Session I
2:30-4:00	Concurrent Sessions
4:15-5:45	Concurrent Sessions
6:00-7:30	Social Mixer

Saturday, April 1

7:00-8:15	Editorial Board Breakfast
8:30-9:45	Concurrent Sessions
10:00-10:45	Concurrent Sessions
11:00-11:45	Annual Business Meeting
12:00-2:00	Annual Luncheon
	General Session II
2:15-3:45	Concurrent Sessions
4:00-5:00	Concurrent Sessions
8:00-10:00	International Meeting

Sunday, April 1

7:30-10:30	Board Meeting
9:00-10:30	Concurrent Sessions
10:45-11:45	General Session III
1:00-2:15	International Meeting

Your suggestions will be appreciated. Send them to:

James R. Okey
NARST Program Chairman
Department of Science Education
University of Georgia
Athens, GA 30602

1978 NARST ANNUAL MEETING
CALL FOR PROPOSALS
Toronto, Canada March 31, April 1, 2

The 1978 NARST Annual Meeting will be held in Toronto, Canada at the Toronto Hotel on March 31, April 1, 2. It will overlap with the end of the AERA meeting. This announcement is the official call for proposals. Included here are descriptions of the various sessions, a form to complete to guide the selection of training sessions, and a cover sheet for proposals.

Proposal Deadline

The 1978 program will include general sessions with invited speakers, reports of research, training sessions, and symposia. All proposals will be considered by the planning committee if they are received by October 17.

DEADLINE FOR SUBMITTING PROPOSALS IS OCTOBER 17, 1977
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SEE NOTE ON
PAGE 4.

Types of Sessions

The following types of sessions are planned and proposals are solicited in each category.

1. Contributed Papers--reports of research that specify

- a. objectives and rationale for the study
- b. methodology and design
- c. instruments and data
- d. results and conclusions

Contributed papers are typically grouped by topic and 3 or 4 related papers are presented at a concurrent session. A discussant will be assigned to each set of contributed papers.

2. Paper Sets--Several related studies originating from a common research center or line of research can be structured as a set of from three to five separate but related reports. This grouping allows for common elements of design or approach to be presented once instead of several times. A paper set can also allow for a division of a single report which represents a major research effort in terms of time, number of workers, and/or geography. An outside discussant may be assigned to paper sets.

3. Round Table Discussions--Round table discussions are used to provide a thorough analysis of a paper by a group. Presenters will have an hour in which the rationale, design, procedures, instruments, and results from a study are examined with others in a discussion format. One or more papers may be discussed simultaneously in a room in a round table format. If members are asked (and agree) to present their

research in this format they should bring materials such as protocols, instruments, computer printouts, experimental curriculum materials, and logs to the session to aid discussion.

4. Symposia--Areas of current research or research needs should be identified and members of the symposium asked to prepare papers addressing themselves to defined issues. Symposia should include persons with varying backgrounds, positions, and research interests. In addition to presentations concerning research in a given area, interaction among the symposium presentors, other discussants, and the audience is anticipated. Varying views, approaches, data reports, and data interpretation are desirable features.
5. Panels--There are many debatable issues in science education and panels can be constituted based on the positions taken by members. Such panels provide a mechanism for debating issues and involving interested members in such discussions of views.
6. Training Sessions--Training sessions of 2-3 hours are provided to help NARST members acquire new research skills or update old ones. The sessions are planned for intensive involvement with some aspect of problem identification, research methodology, data analysis, data interpretation, or some other aspect of research in science teaching. Proposals should include a statement of objectives for the session, a description of the activities to be followed, plans for evaluation, and a listing of annotated references pertinent to the topic. Include a 100-word description of the training session in your proposal that could be printed in the program. (SEE THE OTHER NOTE IN THIS NEWSLETTER CONCERNING TRAINING SESSIONS)

Proposal Guidelines

An individual is limited to the presentation of one paper, although this individual may be permitted to appear on the program at additional times as either the second author of a paper, as a member of a symposium or panel, or as a presider or critic.

Proposals must be submitted on the enclosed forms. They will be rated anonymously by members of the Program Committee. The criteria employed will be: (1) relevance to the objectives of NARST, (2) general quality, and (3) clarity of expression. Proposals must consist of a cover page (attached) and four copies of a 500-word (maximum) summary of the study. The summaries will be published prior to the meeting by the ERIC Center at Ohio State University.

Symposium proposals should be submitted as a package listing participants on the cover sheet. The summary should address itself to the individual presentations and to the thread that ties the symposium papers together. The total symposium summary including summaries of individual presentations, must be limited to a maximum of 500 words.

In the case of paper sets, a cover sheet and summary should be submitted for each paper in the set. The author of each paper should be identified in the proposal and the order of presentation of the papers provided.

All proposals should be mailed by October 17, 1977* to the Program Committee chairman:

James R. Okey
Department of Science Education
University of Georgia
Athens, GA 30602

Here is a checklist of the materials to be submitted:

- one copy of the completed cover sheet
- four copies of a 500-word (maximum) summary (without author identification)
- two self-addressed, stamped envelopes (to acknowledge receipt of the proposal and to notify contributors of the decision of the Program Committee)

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CLASSIFICATION NUMBERS

- 01 -- Teacher Education - Preservice
- 02 -- Teacher Education - Inservice
- 03 -- Teacher Behaviors/Characteristics
- 04 -- Student Behaviors/Characteristics
- 05 -- Instruction
- 06 -- Learning Theory
- 07 -- Curriculum Development/Evaluation
- 08 -- Research Methodology
- 09 -- Instrument Development and Testing
- 10 -- Scientific Literacy
- 11 -- General Research

*Due to late mailing of Newsletter the deadline for Program Proposals is extended to October 17.

COVER SHEET
 CONTRIBUTED PAPER, PAPER SET, OR SYMPOSIUM PROPOSAL
 NARST - 1978
 Toronto - March 31, April 1, 2

1. Title: _____

2. Author's Name: *

Last	First	Initial
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*Give here the name of person who will make the presentation.

Affiliation: _____ Phone: _____

Mailing Address: _____

3. If a symposium or panel proposal, list all other participants, institutional affiliations and complete addresses, or in the case of a contributed paper, list additional authors.

4. Classification Number (for committee use--see previous page): _____
5. Do you wish to have the use of an overhead projector? Yes No
 (Unfortunately we are limited to providing overhead projectors. If you need other types of equipment, you will need to make your own arrangements.)
6. This paper should be considered for the following program category:
 (See attached definitions of sessions.) Circle one response.

a. Contributed Paper	c. Symposium	e. Training Session
b. Paper Set	d. Panel	
7. In the case of a contributed paper, would you be willing to present it in a round table discussion if requested by the program committee? Yes No
8. Are you a NARST member? Yes No
 I hereby certify that this paper has not been submitted for publication, and if this paper is accepted and placed on the program, I agree to appear and deliver it unless prevented by conditions beyond my control.

 Signature

 Date

Please include the following with your proposal:

- Completed cover sheet
- 500 word summary (4 copies without author identification)
- 2 self-addressed stamped envelopes

TRAINING SESSIONS AT THE
1978 NARST MEETING
IN TORONTO

The NARST Program Committee needs your help in planning training sessions for the annual meeting. If many members desire a certain type of training session we will try to find someone to lead it. From the list below, number your first, second, and third choices for training sessions. If there are topics not on the list that you would like to see offered, enter them in the blanks. If you have suggestions for persons who could lead a particular training session, write in their names to the right of the topic.

- _____ Multivariate correlational methods (such as regression and factor analyses)
- _____ Evaluating teacher training programs
- _____ Assessing formal operational thinking
- _____ Post-hoc data analysis (multiple comparison techniques)
- _____ Establishing reliability and validity of instruments
- _____ Planning and conducting survey studies
- _____ Selecting designs for research and evaluation studies
- _____ Analysis of covariance
- _____ Conducting Piagetian interviews
- _____ Assessing the impact of a science curriculum
- _____ other (specify) _____
- _____ other (specify) _____

NARST members should feel free to submit training proposals to the NARST Program Committee for the topics listed here or for any other topics they feel are important

* * * * *

Mark your choices on this sheet and mail it by October 17, 1977 to:

James R. Okey
Department of Science Education
University of Georgia
Athens, GA 30602

CHECK YOUR MEMBERSHIP STATUS

Members who did not renew 1977 membership prior to June 1st should check their membership status.

An error in the billing department of Wiley, our journal publisher, resulted in overdue subscription notices being sent to those not renewed before June 1st. This caused havoc in the membership records here in the NARST office.

Please check your own records. If you are a paid member of record for 1977, then you should have received a membership card and five issues of Volume 14 (1977) of the journal. Receipt of this Newsletter does not indicate paid membership because we are sending it to everyone on our records for 1975-76-77.

You either paid us \$22.00 directly or you may have issued a check to Wiley for \$15.00. In the latter case, you should have sent NARST another check for \$7.00 because total dues are \$22.00 of which \$7.00 is for NARST operations and \$15.00 is for the journal.

Under the present system all records are kept in the NARST office. Every other month we send labels to Wiley for all paid members and Wiley uses them to send the journals. Thus, address change notices should be sent to the NARST office, not to Wiley.

If there are errors, please let us know. We are working diligently to get the records to 100% accuracy as they were one year ago at this time. Your help is appreciated.

Paul Joslin
Executive Secretary

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EXECUTIVE BOARD TO MEET

The Executive Board and Program Committee will meet November 2-3, 1977. Standing and special committees should submit reports to the Executive Secretary. Members should send business items, suggestions and concerns to President Roger Olstad, College of Education, University of Washington, Seattle, WA 98195. Keep your Board responsive.

PRIORITIES FOR RESEARCH IN SCIENCE EDUCATION: TWO REPORTS

The executive office and the editorial board office have both received many inquiries concerning the two reports entitled, Priorities for Research in Science Education. One was prepared by a special NARST committee which met under the auspices of the National Institutes of Education and made its report to that organization. A second report was prepared by the University of Georgia Science Education Department from the results of a Delphi type study of NARST members.

Both reports were ordered and directed by the NARST Executive Board. Both generated controversy and some misunderstandings.

To satisfy the interests of NARST members, and others, both reports will be published in the December issue of the Journal of Research in Science Teaching along with the chronology of events which produced them. You will want to read this issue.

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CREATIONIST/EVOLUTION CONTROVERSY IN PUBLIC SCHOOLS

With increasing concern and ambiguity surrounding the teaching of the Creationist Evolution views in public schools throughout the United States, the Iowa Department of Public Instruction has conducted an in-depth study of the controversy.

Prompted by citizen inquiry, the Curriculum Division of the Department of Public Instruction reviewed literature surrounding the issue. A survey of all state departments of public instruction was conducted to assess the current status of the controversy nationally. Position statements related to the issue were secured from national professional organizations of scientists and nationally-recognized science textbook authors. Iowa scientists, science educators, and classroom teachers from kindergarten through the university level were contacted for their views concerning the teaching of such material in science classrooms. Main-line denomination and fundamentalist religious leaders were interviewed for their representative opinions and convictions. Lastly, Iowa philosophers were asked to add a third party perspective to the controversy.

A position paper for handling this controversy in the public schools is being developed by the Iowa Department of Public Instruction based upon a synthesis of the above information.

Inquiries related to this controversy should be directed to Dr. Jack A. Gerlovich, State Science Consultant, Iowa Department of Public Instruction, Grimes State Office Building, Des Moines, IA 50319.

AN INTERNATIONAL CONFERENCE ON INTEGRATED SCIENCE

The Netherlands March 28-April 7

Faculty of Science

University of Nijmegen

Conference Chairman: Dennis G. Chisman
British Council London, England

President ICASE:
B.G. Pitre, India

President NVON:
W.IJ. Zandstra,
The Netherlands

Conference Office: Frits Th.H. Dekkers
Faculty of Science, University of Nijmegen
The Netherlands, Tel.080-558833 Ext. 2245

The conference is organized and supported by:

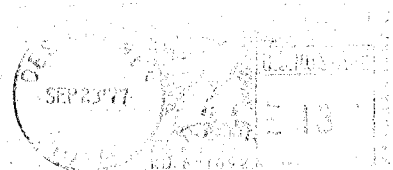
- The International Council of Associations for Science Education (ICASE)
- The International Council of Scientific Unions (ICSU)
- The United Nations Educational Scientific and Cultural Organization (UNESCO)
- The Association for Science Education in The Netherlands (NVON)
- Faculty of Science, University of Nijmegen, The Netherlands

Some of the officers of NARST had planned to attend the conference, but the conflict of dates with the 1978 NARST Annual Meeting prevented it. If you are interested in attending, further details can be obtained from the NARST office or from:

Dr. Victor Showalter
FUSE Box 3138
University Station
Columbus OH 43210

Please let President Olstad know if you would be willing to serve as NARST's representative. Unfortunately, NARST has no budgeted funds to support attendance.

NATIONAL ASSOCIATION FOR
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