

NATIONAL ASSOCIATION FOR RESEARCH
IN SCIENCE TEACHING

1982 Fall Meeting of the Executive Board
Ramada, The O'Hare Inn, Chicago, IL
November 11-12, 1982

AGENDA

1. Welcoming members of the board
2. Brief announcements, letterhead
3. Approval of minutes describing the 1982 spring meeting of the board
4. Report from the program committee *~ 135 papers ~ 10-12 rejections quality good gen. one luncheon*
5. Executive secretary's report
6. Report of the editor of the Journal of Research in Science Teaching
7. Committee reports
 - a. Election
 - b. JRST award
 - c. Membership
 - d. Placement
 - e. NARST award
 - f. Policy advisory
 - g. Publications advisory
 - h. Research
 - i. Interorganization liaison committee
8. Other business

*ShH: Get the Benner report on Policy
Actions report & update - then
distribute to the board.*

The Fifty-fifth Annual Meeting of the
National Association for Research in Science Teaching

Fontana, Wisconsin

April 5-8, 1982

MINUTES

The fifty-fifth annual meeting of the National Association for Research in Science Teaching was held on April 5, 1982, at the Abbey, Fontana, Wisconsin, from 8:00 p.m. to 11:30 p.m. The meeting was re-convened on April 8, 1982, at 8:45 a.m. and adjourned at 11:30 a.m.

Executive Board Members in Attendance

Dr. Carl F. Berger, President-Elect
 Dr. Stanley L. Helgeson, President
 Dr. John W. Renner, Immediate Past President
 Dr. William G. Holliday, Executive Secretary
 Dr. James P. Barufaldi, Board Member
 Dr. Rodger Bybee, Board Member
 * Dr. Linda R. DeTure, Board Member
 Dr. J. Dudley Herron, Board Member
 Dr. Ann C. Howe, Board Member
 Dr. Jane Butler Kahle, Board Member
 Dr. Anton Lawson, Board Member
 * Dr. John T. Wilson, Board Member
 * Dr. Russell H. Yeany, Board Member
 Dr. Arthur White, Research Coordinator
 Mrs. Sarah E. Klein, NSTA Representative
 Mr. Allan Wittman, Representative from John Wiley & Sons, Inc.

* Restricted attendance because of board term status

Executive Board Members Absent

Dr. J.A. Easley, Jr., Board Member

Welcome

Dr. Stanley Helgeson, President, welcomed the board members to the Abbey on a very snowy night.

Minutes Approved

Motion: Moved that the minutes of the regular fall meeting (November, 1981) of the National Association for Research in Science Teaching (NARST) be approved. Renner, Berger. Motion passed.

Issue: Publishing JRST (Journal of Research in Science Teaching)

Because of the legal nature of these discussions, the following prose only describes the actions taken by the board and selected statements made by Mr. Allan Wittman. Mr. Wittman argued that the board was attacking the wrong problem. The problem was a decline in membership, resulting in significantly lower revenues for NARST. In addition, he reiterated many of the points contained in his March 9 letter (see Appendix A) to the executive secretary regarding the disadvantages to NARST of terminating the NARST-Wiley contract. (see Appendix B). Furthermore, he described current economic times, particularly harsh on publishers of educational journals, as evidenced by a 15% reduction in JRST's institutional subscriptions from 1981 to 1982. Moreover, Mr. Wittman suggested that there are many facets to producing a journal such as JRST and that NARST was unfamiliar with this complex process. Finally, Mr. Wittman said that he felt somewhat responsible for the drop in the membership and subscriptions to JRST by institutions. As a consequence, he offered to reduce the association's payments to \$20.00 for a five-year period beginning 1983.

Mr. Wittman left the room and the board discussed the publishing issue. Dr. Holliday reported his findings regarding the business and legal questions surrounding the topic. Both Drs. Shymansky and Holliday expressed enthusiasm for terminating the Wiley contract. However, other board members visibly felt uncomfortable about the prospects of terminating the NARST-Wiley contract, while clearly acknowledging their faith in the ability of the executive secretary and editor to make competent decisions and execute instructions from the board.

The discussions were frank and open among members of the board and facilitated action taken by the board in this case.

Motion: ✓ Moved that the executive secretary, journal editor, chairperson of the "communications" committee, immediate past president, president and president-elect constitute a committee to work with legal counsel pursuant to termination of our existing contract with John Wiley & Sons, Inc. Publishers and that this committee report to the executive board progress made toward such termination by May 30, 1982. Shymansky, Klein. Motion unanimously passed.

Motion: Moved that all communication concerning termination of our contract with John Wiley & Sons, Inc. Publishers be done with legal counsel and that all officers of NARST be instructed to limit their conversations to that cleared through legal counsel. Herron, Klein. Motion unanimously passed.

Dr. Holliday briefly described the type of letter (see Appendix C) Mr. Robert Dwyer of New York would send Mr. Allan Wittman subsequent to the Abbey meeting.

1983 Convention Site

Motion: Moved that the 1983 annual meeting be held in Dallas juxtaposed to the NSTA national convention. Herron, Barufaldi. Motion passed (four votes for, three votes against).

Motion: Moved that the executive secretary work out details to meet in Dallas.. Herron, Barufaldi. Motion passed.

The entire board expressed concern about the possibility of losing NARST members because of the 1983 annual meeting site in Dallas with NSTA. It was suggested that a number of important NARST members would choose to attend the AERA meeting in Montreal and choose not to attend the NARST meeting in Dallas in 1983. Dr. Carl Berger suggested that a special interest group (SIG) of AERA be sponsored by NARST. Dr. Berger promised to examine this possibility. Some other board members were hesitant to accept this idea. No motion was passed in this regard.

Executive Secretary's Report

Motion: Moved that the executive secretary head the membership committee. Shymansky, Herron. Motion passed.

Motion: Moved that the executive secretary's report be received. Klein, Helgeson. Motion passed.

Motion

Post Hoc Decisions

Because of insufficient time, it was impossible for the board to attend in detail to all issues in the reports submitted to the board for their discussion. As a consequence, the president and immediate past president have recommended that all reports be considered received and accepted by the board. Board members disagreeing with this emergency policy should contact the executive secretary immediately. Finally, it was implicit at the meeting that the membership committee would consist of its current members and board members.

National Association for Research in Science Teaching

EXECUTIVE SECRETARY
Dr. William G. Holliday
NARST-EDCI
The University of Calgary
Calgary, Alberta
Canada T2N 1N4

82 November 01

PRESIDENT-ELECT
Dr. Ann C. Howe
101 Heroy Building
Syracuse University
Syracuse, NY 13210

TO : Executive Board

FROM: William G. Holliday
Executive Secretary

PRESIDENT
Dr. Carl F. Berger
School of Education
University of Michigan
Ann Arbor, MI 48109

RE : Executive Secretary's Report

A. Convention Site

IMMEDIATE PAST PRESIDENT
Dr. Stanley L. Helgeson
Science & Mathematics Education
The Ohio State University
Columbia, OH 43210

Motion: Move that NARST hold its 1984 annual spring meeting in conjunction with the AERA meeting in New Orleans, April 23-27, 1984.

BOARD MEMBERS
Dr. James P. Barufaldi (1983)
Science Education Center
Education Building 340
University of Texas at Austin
Austin, TX 78712

To make a long argument short, if the board does not approve a 1984 meeting site "with" AERA, NARST is going to lose the support of a significant number of valuable, AERA-inclined members. Incidentally, NSTA will meet in Boston, 1984. If you have questions or comments, or just plain strong feelings regarding this much-discussed issue, please telephone me or other members of the board as soon as practical. I will communicate your position to other board members.

Dr. Rodger Bybee (1984)
Education Department
Carleton College
Northfield, MN 55057

Dr. Linda R. DeTure (1985)
School of Education
Rollins College
Winter Park, FL 32789

I would like to declare the 1984 NARST meeting site now and publish this news in our February 1983 newsletter - before our AERA fans have an opportunity to rehash this issue in Dallas.

Dr. J. Dudley Herron (1983)
Department of Chemistry
Purdue University
West Lafayette, IN 47907

Dr. Jane B. Kahle (1984)
Department of Biological Sciences
Purdue University
West Lafayette, IN 47907

Dr. Russell H. Yeany (1985)
Science Education Department
University of Georgia
Athens, GA 30602

B. Membership

JOURNAL EDITOR
Dr. James Shymansky (1985)
Science Education - Physics Bldg.
University of Iowa
Iowa City, IA 52242

1. December 31, 1981 - 559 U.S. members
47 Canadian members
54 Other foreign members
660 Total

RESEARCH COORDINATOR
Dr. Arthur White (1983)
Science & Mathematics Education
The Ohio State University
Columbus OH 43210

NSTA REPRESENTATIVE
Dr. Robert Yager
National Science Teachers Association
1742 Connecticut Avenue, NW
Washington, DC 20009

Note: The paid-member count is 633 in total. Apparently 27 members paid Dr. Paul Joslin, former executive secretary, membership dues for 1981 during the fiscal year 1980. Dr. Joslin used these funds to cover expenses incurred in publishing the December 1980 newsletter.

2. March 31, 1982 - 304 U.S. members
 28 Canadian members
 23 Other foreign members
 355 Total
3. September 14, 1982 - 430 U.S. members
 41 Canadian members
 39 Other foreign members
 510 Total
4. November 1, 1982 - 454 U.S. members
 44 Canadian members
 42 Other foreign members
 540 Total
5. I recommend that NARST devote much of its resources to increasing its membership during 1983.

C. Emeritus Applications

No applications for emeritus status have been received by the executive secretary.

D. Fund Raising

Attached is a copy of my proposal to acquire local funds for NARST by providing administrative and promotional services for a science and industry project. I have created an industrial advisory committee to assist me in any fund-raising efforts. These people include senior vice-presidents of Gulf, ESSO, Nova Petroleum, P.W. Airlines and a president of a medium-size company. I will keep the board informed.

Petro-Canada has pledged to donate \$2500 (Canadian) to NARST in the new year, 1983.

E. Communications Committee

The communications committee, charged with resolving the NARST vs. Wiley affair, has completed its task. Please read the September 1982 newsletter for a description of our work.

F. AAAS and NARST in 1983

The executive secretary recommends that NARST work more closely with the American Association for the Advancement of Science (AAAS) with the aim of improving its leadership among potential members of NARST and among other educators and scientists.

In the past, AAAS has been the most politically powerful association concerned with improving science teaching; yet NARST has done little to cultivate a reasonable working relationship with this

organization of concerned scientists. Now is the time for NARST to act. NARST has resolved basic problems concerning its two major activities - the profitable publishing of its journal and the successful staging of its annual meetings. At this time, NARST needs to attack its dwindling membership problem. In this respect, if NARST can create an environment in which the leadership of AAAS looks to NARST for counsel on ways of improving science teaching - through research, then NARST will likely have a better image among science educators at all levels. One approach to this issue is to work with Dr. James Rutherford, AAAS's conscientious science educator, and ultimately to prove to the AAAS leadership and membership that research can ameliorate selected problems encountered by classroom science teachers.

The executive secretary proposes that NARST explore with Dr. Rutherford and other leaders in Washington D.C. mechanisms that will increase NARST's involvement in affairs dealing with science education.

G. Tax Exempt Status - NARST

The U.S. and Canadian governments are reviewing our applications for tax-exempt status in the separate countries. Mr. David Busch, a lawyer from a firm recommended by Rodger Bybee, will assist NARST, providing the Internal Revenue Service decides to act unfavorably on our application. The executive secretary will keep the board informed.

H. Letterhead

Motion: Move that NARST adopt the attached letterhead with the NARST logo at the left and three lines at the right describing a general goal, our journal and our affiliates. The left-hand side of the letterhead will remain the same.

I. What Research has to say to the Science Teacher

Attached is a letter from John Fowler, Editor, Special Publications, NSTA. I recommend that the board discuss its possible involvement with the NSTA publication, What Research Says to the Science Teacher.

J. Register-Directory

About 80% of the members of NARST have submitted descriptions of their academic background, publication records and research interests. A request to update this information will be enclosed in our December 1982 mailing to the NARST membership. An updated version of the Register-Directory will be published in February 1983, and sent to paid members of NARST for a handling and mailing fee of \$2.00. Purchase of the Register-Directory will be optional. Once again, funds for this project will be obtained from outside of NARST's normal sources of revenue.

K. December 1982 Mailing

NARST members will receive: (1) the fourth issue of the newsletter, (2) 1983 dues invoice and Register form (attached), (4) a ballot card to be mailed to Stan Helgeson (attached), (5) an advance registration card for the 1983 Dallas convention (attached), (6) a copy of the Register information (to be updated or corrected) submitted with the 1982 dues invoice, (7) a return envelope to NARST headquarters, (8) a return envelope to the Dallas housing bureau, and (9) an "owl" promotional sheet describing the advantages of NARST membership (attached).

L. NARST Correspondence

Please send me copies of NARST correspondence, sent or received, whenever appropriate. I need to know what is happening.

M. Fall Program and Board Meeting

~~Notice of Motion: Move that the board decide at its annual spring meeting tentative financial and meeting arrangements for completing business matters attended to at the fall board and program committee meetings.~~

N. NSTA Dallas Meeting

Wayne Welch will be featured in the NSTA program and listed with NARST's name. We thank NSTA for their cooperation in this matter.

I chaired the NSTA subcommittee on the selection and scheduling of NSTA contributed papers. Of course, authors of selected papers were invited to join NARST "because" of the fact that their proposals were accepted. A number of them join NARST.

Attached is some information regarding the NSTA program that might be of interest to you. If you have comments regarding this information, please contact me.

O. Budget

Motion: Move that the attached 1983 budget be approved.

Please note the policy implications inherent in the attached 1983 budget and the explanatory note described below.

1. The receipts from membership dues constitute conservative projections, assuming that the membership committee is effective during the new year.
2. The following line items need further explanation.

B2 is required to resolve our dwindling membership problem. B13a is required to implement the previously described AAAS-NARST recommendation. B13b, B13c and B13d are required as indicated in the job description for the executive secretary and to maintain

a sense of continuity in the association. (B13c was approved but not implemented in 1982 because of the financial restraints placed on NARST.) B13e is required to promote the goals of NARST, including a viable level of membership. B14 is required to obtain money to support NARST and its goals. Last year this item was approved by the board, but adequate funds were unavailable. Funds to support this item were obtained from Petro-Canada, a corporate funds donor. B16 is required to pay Mr. David Busch for services regarding NARST's donor application for tax-exempt status with the IRS. Mr. Busch's law firm was recommended by Dr. Roger Bybee.

C is increased from \$300 to \$1000 because today's universities are generally less flush. Let's talk about support for the president-elect.

E1 is required to increase the efficiency of our editor. The University of Iowa has indirectly contributed to NARST in many ways. Please read the editor's report for more details.

F5 is required to upgrade the quality of speakers presenting provocative ideas at our annual meeting in Dallas. Funds allocated for speakers should be replaced by increased membership dues and registration fees received at our Dallas meeting. F6 is required to maintain an atmosphere of congeniality at our annual meeting, to increase our chances of attracting new members to NARST, and to sustain our loyal members' interest in NARST and its annual meetings. Specifically, an open-bar reception sponsored by NARST (or someone else) is planned for the nights of April 5, 6, and 7 and for an hour before "supper" on April 8 and 9. The last two receptions are specifically designed to encourage NARST members to entertain NSTA people who are likely prospects for NARST membership. Members of the membership committee are strongly urged to attend these five receptions.

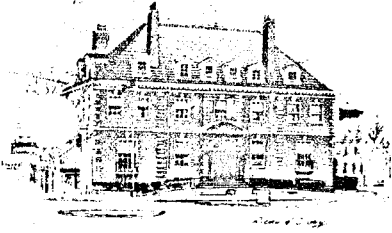
3. Funds for this budget will be allocated using a new priority system whereby line items will fall into three categories: (1) mandatory, (2) variable, and (3) optional. Mandatory items include A, E1, and E2. Variable items include B1-B8, D, and F6. Optional items include B13a, B14, and E4. The executive secretary will consult with the president on the allocation of funds and categorization of items to categories during the budget year.



*Founded in 1928
Organized*

5-6

Goal: To improve science teaching - through research
Sponsoring the Journal of Research in Science Teaching
Affiliated with AAAS, ASE, ICASE and NSTA.



NATIONAL SCIENCE TEACHERS ASSOCIATION

1742 Connecticut Avenue, NW, Washington, DC 20009 (202) 328-5800

Bill G. Aldridge, Executive Director

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Pontiac, MI Public Schools
Charles R. Estee, *SCST*
University of South Dakota, Vermillion

Association of the American
Association for the
Advancement of Science

October 8, 1982

William G. Holliday, Executive Director
NARST-EDCI
University of Calgary
Calgary, Alberta, Canada T2N 1N4

Dear Dr. Holliday,

NSTA's Special Publications Advisory Board and staff have been advised of NARST's interest in cooperating in the production of Volumes 5 and 6 of What Research Says to the Science Teacher. Since the draft manuscript for Volume 5 is due in our office within the month, we thought the time appropriate to begin discussing ways in which this cooperation might take shape.

In the past, we have had help of different sorts from different organizations. ERIC provided production funds and editorial assistance for Volumes 1 and 2 of the series, and NIE provided camera-ready word processed copy for Volume 3.

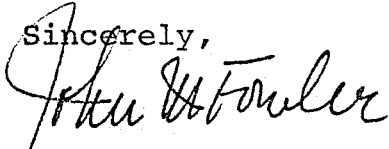
If you had a specific idea of NARST's role in producing Volumes 5 and 6, we would welcome the chance to consider it. From our perspective, several possibilities suggest themselves:

- 1) Financial assistance with production costs
- 2) Guaranteed bulk sales of the volume(s) which you could then disseminate to your membership.
- 3) Technical assistance with manuscript preparation, e.g., word processing camera-ready copy

We have listed these in the order of their "helpfulness" to us; one major obstacle to getting Volume 5 in print by the time of our national convention is budget constraints that must be overcome before that deadline can be met.

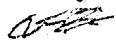
Perhaps these ideas will suggest others to you, just as the Volume 5 manuscript, when it is received, may suggest others to us. We look forward to discussing the venture further. Please let me hear from you when you've had a chance to consider these proposals.

Sincerely,



John M. Fowler

John M. Fowler
Editor, Special Publications



JMF:bkmcc

Founded 1928
Incorporated 1961

Sponsoring the Journal of Research in Science Teaching
Affiliated with NSTA, AAAS, ASE and ICASE

National Association for Research in Science Teaching

1983 Budget (In U.S. Funds)

National Association for Research in Science Teaching

William G. Holliday, Executive Secretary

(in consultation with Drs. Carl Berger, President
Stan Helgeson, Past President and Ann Howe, President-Elect)

EXECUTIVE SECRETARY
Dr. William G. Holliday
NARST-EDCI
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Calgary, Alberta
Canada T2N 1N4

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101 Heroy Building
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PRESIDENT
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Ann Arbor, MI 48109

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RESEARCH COORDINATOR
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Science & Mathematics Education
The Ohio State University
Columbus OH 43210

NSTA REPRESENTATIVE
Dr. Robert Yager
National Science Teachers Association
1742 Connecticut Avenue, NW
Washington, DC 20009

RECEIPTS

MEMBERSHIP DUES		\$27,230
Regular (500 @ \$44.00)		\$22,000
Student (50 @ \$30.00)		\$ 1,500
Foreign (50 @ \$69.00)		\$ 3,450
Corporate Contribution (1 @ \$250)		\$ 250
Emeritus (1 @ \$30.00)		\$ 30
ASE (1 @ 0)		\$ 0
ANNUAL MEETING (Registrations)		\$ 8,500
Preregistration (170 @ \$35)		\$ 5,950
Late registration (50 @ \$46)		\$ 2,300
Student Pre-and late (20)		\$ 250
OTHER		\$11,500
Royalties from Wiley Publishers		\$ 1,500
Contributions from corporate donors		\$10,000
TOTAL INCOME FROM RECEIPTS		\$47,230

cont'd.....2.

56TH ANNUAL MEETING AT THE DALLAS HILTON-NEAR THE NSTA CONVENTION CENTER, APRIL 5-8, 1983
SEND OFFICIAL CORRESPONDENCE TO THE EXECUTIVE SECRETARY (TELEPHONE 403-284-7485)

2.

National Association for Research in Science Teaching

DISBURSEMENTS

A. WILEY PUBLISHING (600 subscribers @ \$20.00) and (50 @ \$25.00 foreign postage)	\$13,250
<hr/>	
B. EXECUTIVE SECRETARY'S OFFICE	\$16,112
<hr/>	
1. Printing (four mailings @ 400.00)	\$ 1,600
2. Promotional printing, advertising & postal costs	\$ 2,000
3. Postage special mailings (six mailings @.44 x 600)	\$ 1,584
4. Regular correspondence - postage (\$332.00)	- 0 -
5. Supplies (labels, office materials, publications)	\$ 1,000
6. Telephone (12 months @ \$249.00)	\$ 2,988
7. Photocopying (\$498.00)	\$ - 0 -
8. Courier service	\$ 150
9. Special help (\$145.00)	\$ - 0 -
10. Computer time & paper (\$664.00)	\$ - 0 -
11. Secretarial service (50% of \$14,000.00 Canadian)	\$ - 0 -
12. Salary (50% of \$55,000.00 Canadian, confidential)	\$ - 0 -
13. Travel and related costs	
a. AAAS-NSTA meeting (Washington, D.C., May, 1983)	\$ 1,300
b. NSTA-NARST meeting (Dallas, April, 1983)	\$ 900
c. NSTA Summer meeting (destination unknown)	\$ 900
d. NARST Fall meeting (probably Chicago)	\$ 900
e. NARST Promotion, destinations unknown (\$2,000)	\$ - 0 -
14. Fund-raising expenses (purchase of materials, teacher and corporate visits, local entertainment)	\$ 1,660
15. Stationary and newsletter paper and printing	\$ 830
16. Legal assistance	\$ 300
C. PRESIDENT'S OFFICE (Miscellaneous)	\$ 1,000
<hr/>	
D. FALL MEETING	\$ 9,680
<hr/>	
Executive board = 11, programe committee = 9, some people serve on both units (16 people, travel cost each \$500; 21 persons hotel- days, each \$50; 21 persons food-days, each \$30.00)	
E. JOURNAL OFFICE	\$ 2,255
<hr/>	
1. Computer terminal installation	\$ 405
2. Editor's postage	\$ 1,000
3. Travel	\$ 700
4. Entertainment	\$ 150
<hr/>	
F. ANNUAL MEETING	\$ 4,200

cont'd...3.

3.

National Association for Research in Science Teaching

1. Program booklets 300 (printing, no mailing)	\$ 400
2. Abstracts	\$ 1,000
3. Awards	\$ 100
4. Supplies and operational costs	\$ 250
5. Speaker fund	\$ 1,700
6. Entertainment and membership promotion	\$ 750
<u>G. COMMITTEES</u>	<u>\$ 350</u>
Awards	\$ 100
Placement	\$ 250
<u>H. OTHER</u>	<u>\$ 280</u>
ICASE dues	\$ 80
Audit	\$ 200
<u>TOTAL DISBURSEMENTS</u>	<u>\$47,127</u>

Internal Revenue Service

Department of the Treasury

District
Director

31 Hopkins Plaza, Baltimore, MD 21201

▷ National Association for Research
in Science Teaching
Calgary Albert T2N 1N4
Canada

Person to Contact: R. Hutchins

Telephone Number: 301-962-4773

Refer Reply to: E:EO:7204

Date: OCT 28 1982

Gentlemen:

Based on the information supplied, and assuming your operations will be as stated in your application for recognition of exemption, we have determined you are exempt from United States income tax under Section 501(a)(3) of the Code.

We have further determined you are not a private foundation within the meaning of Section 509(a) of the Code, because you are described in section 509(a)(2) of the Code.

Since you are not a private foundation you are not subject to certain excise tax under section 4948(a) of the Code. Your withholding agent may rely on a copy of this letter to exempt you from withholding for Section 4948(a) tax.

The procedures for obtaining exemption from withholding on United States source income are contained in section 1.441-6 of the Income Tax Regulations (26 Code of Federal Regulations).

Since you are not a private foundation, you are not subject to the excise taxes under chapter 42 of the code. However, you are not automatically exempt from other Federal excise taxes.

Pursuant to the Tax Treaty between Canada and the United States, contributions to you are deductible, subject to certain limitations. Contributions to certain Canadian charitable organizations may be deductible. However, the amount of charitable contributions to Canadian organizations cannot exceed the percentage of Canadian source adjusted gross income that is specified under Canadian income tax law.

Bequests, legacies, devices or transfers to or for your use are deductible in computing the taxable estate of a deceased resident or citizens of the United States for United States estate tax purposes in the manner and to the extent provided by sections 2055 and 2106 of the Code. Gifts of property to or for your use are deductible in computing the United States gift tax of a resident or citizen of the United States in the manner and to the extent provided by section 2522 of the Code.

National Association for Research in Science Teaching

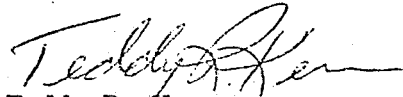
If your purposes, character or method of operation is changed, you must let your Key District Director know so he can consider the effect of the change on your exempt status. Also, you must inform him of all changes in your name or address.

If your gross receipts each year are normally more than \$10,000. for years ending before December 31, 1982, you are required to file Form 990, Return of Organization Exempt from Income Tax, by the 15th day of the fifth month after the end of your annual accounting period. For years ending after December 31, 1982, you are required to file Form 990 only if your gross income normally exceeds \$25,000. The law imposes a penalty of \$10.00 a day, up to a maximum of \$5,000.00 for failure to file a return on time.

Unless you are subject to the tax imposed by Section 511 of the Code and are required to file Form 990T for the purposes of reporting unrelated business taxable income, you are not required to file United States income tax returns for income you receive from sources within the United States. You can determine whether income is derived from sources within the United States by referring to Subchapter N of the Code (Section 861 and following). In this letter we are not determining whether any of your present or proposed activities are unrelated trade or business as defined in Section 513 of the Code.

Please use your employer identification number on all returns you file and in all correspondence with the Internal Revenue Service.

Sincerely yours,



Teddy R. Kern
District Director

Summary Proposal

NARST'S Science and Industry Project: What Research has to say to Science Teachers

The purpose of this project will be to inform science teachers about what science-teaching research has to say to teachers of high school science. Unfortunately, such research findings seldom work their way down (or up) to the classroom. Instead, useful research often remains hidden in scholarly journals and far from the view of classroom teachers. In this regard, the presence of the National Association for Research for Science Teachers (NARST) on the University of Calgary campus can (1981 - 1985) provide a rare opportunity for Calgarians by providing the administrative and promotional framework needed to inform science teachers about how recent research findings can help their students learn science more efficiently and effectively.

Five world-renowned professors of science education in Canada and the United States will tutor ten leadership teachers from Calgary on recent developments in research on science teaching. These leadership teachers will attend four workshop/seminars conducted by NARST at the University of Calgary and will study research materials prepared by the five professors for ultimate use at 20 high schools in the Calgary area. In addition, the five professors will discuss with the leadership teachers over the telephone ways of presenting application-type research findings to practicing science teachers.

Subsequently the leadership teachers will form five teams of two and each team will visit four high schools with a goal of illustrating how recent research can be applied to the science classroom. Then, a fourth university seminar with the leadership teachers will be conducted with the purpose of discussing the reactions of the local science teachers to the initial school seminars and the composition of the follow-up visits at the 20 high schools. Thus, each leadership teacher will attend four seminars at the University of Calgary and conduct four half-day school seminars and four follow-up visits discussing the implementation of research-based ideas with local science teachers. Furthermore, these local teachers will be assisted by the leadership teachers in the development of new classroom materials.

This project will be evaluated using a questionnaire applied to the population of leadership teachers and a random sample of the science teachers attending the high school seminars. Results of the questionnaire will be reported to the industrial advisory committee for NARST.

NARST'S Science and Industry Project:
What Research has to say to Science Teachers

Budget

Five professors

Materials, handling and mailing (\$400 each)	\$ 2,000
Conference telephone calls between leadership teachers and professors (\$200 each)	\$ 2,000

Ten leadership teachers

Honorarium for participating in university seminars (\$300 per day for each teacher)	\$ 9,000
Travel expenses to four schools (initial and follow-up seminars) (\$80 per teacher)	\$ 800
Materials for use in high school seminars (\$400 per teacher)	\$ 4,000
Substitute pay (one-half day) for teachers (\$38 for each initial school visit for each teacher)	\$ 1,520
Honorarium to teachers for follow-up seminars (\$100 for each visit by each teacher)	\$ 4,000

<u>Funds for school materials needed for implementation of ideas (\$500 for each school)</u>	\$10,000
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Sub total	\$32,320
Materials and remunerations	\$32,320

Administrative and promotional costs (40%)	\$21,547
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Remuneration paid to members of NARST including the executive secretary	- 0 -
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Total	\$53,867
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BH/eh

NARST National Association for Research in Science Teaching

NARST Annual Meeting in Dallas, April 5 - 8, 1983

IMPORTANT — PLEASE READ CAREFULLY

All housing requests must be made through the NARST Housing Bureau in Dallas. Arrangements made directly with the hotel *will not be accepted*, nor will telephone requests.

Complete this form in its entirety. Your request cannot be processed unless all information is provided.

Note: All rates are subject to 7 percent Dallas hotel taxes. Rates listed were quoted by the hotels as rates for convention attendees. If your room charges are not in accord with the schedule given, please inform NARST.

IMPORTANT: People who make their reservations early will be assigned the least expensive rooms.

	Name
Individual	Address
Requesting	
	City State Zip
Reservations	Telephone

Other occupant of rooms

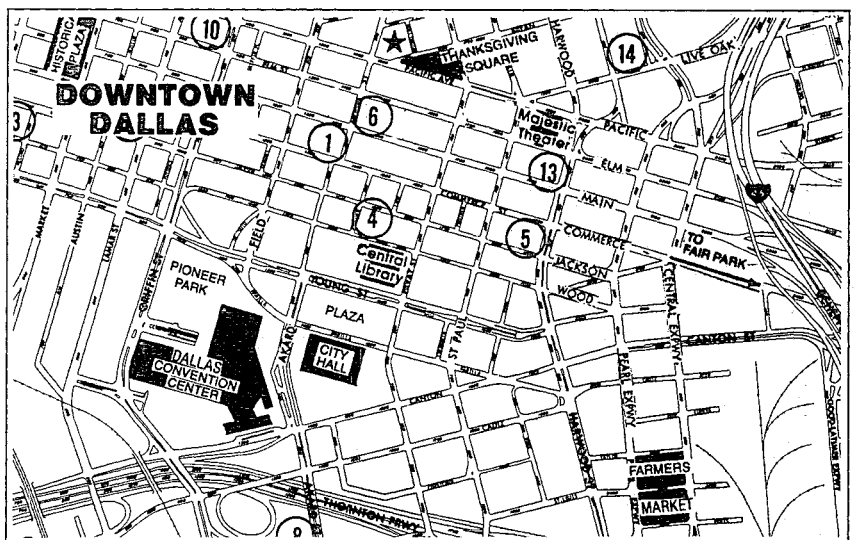
(Please complete table)

Name				
Address	Room Size	Room Rate	Arrive Hr/Date	Depart Hr/Date
City				
State Zip				

Room rates: \$50-66 (single), \$62-78 (double)

Mail this form to:

NARST and NSTA Housing Bureau
1507 Pacific Avenue
Dallas, TX 75201



Hotel code number 5 is the Dallas-Hilton. Code 4 is the Continental Trailways Bus Terminal.

Confirmation: The NARST and NSTA Housing Bureau in Dallas will send you acknowledgement of your hotel reservations. *You must send your deposit check directly to your hotel after receipt of the acknowledgement.* After receipt of your deposit check, your hotel will send you confirmation. If you need to make any changes in your reservation, note them on the acknowledgement form and return it to the NARST and NSTA Housing Bureau. This will ensure that changes are made correctly.



1983 DUES INVOICE AND REGISTER-DIRECTORY (Reverse Side)

Send To: Dr. William G. Holliday
 NARST-EDCI
 University of Calgary
 Calgary, Alberta
 CANADA T2N 1N4

Please print mailing address _____
 (if required) _____

Institution _____

Office Phone: _____ Home Phone: _____

_____ Check here for restricted and unpublished use of your home phone number.

The Register-Directory will be mailed to members and will contain updated information on about 80% of NARST members.

Membership: (Check one)

- _____ Regular - \$46 (Full Service, including Register)
- _____ Student - \$30 (Full Service, including Register)*
- _____ Student - \$14 (Full Service, except Journal and Register)*
- _____ Corporate Contributor - \$250 (Full Service, including Register)
- _____ Emeritus - free (Full Service, except Journal and Register)
- _____ Emeritus - \$30 (Full Service, including Register)

* Approved student membership forms must include information describing the student's supervisor (signature), the student's name (signed), anticipated graduation date, and a personal statement from the student certifying university status as a registered student.

MEMBERS OUTSIDE OF NORTH AMERICA add \$25 in U.S. funds for postage and special handling costs. This additional fee is paid directly to Wiley Publishers.

Remittance enclosed \$ _____ U.S. FUNDS (or Canadian equivalent)

Subtract \$2 to cancel your Register option. This \$2 fee covers handling and postage, only.

Dues are for the calendar year 1983 and should be received by **January 15, 1983.**

**ADVANCE REGISTRATION -
NARST**

**1983 - Annual Meeting at Dallas
Badge Information**

Name _____

Institution _____

**Have questions? Phone the executive secretary at
(403) 284-7485.**

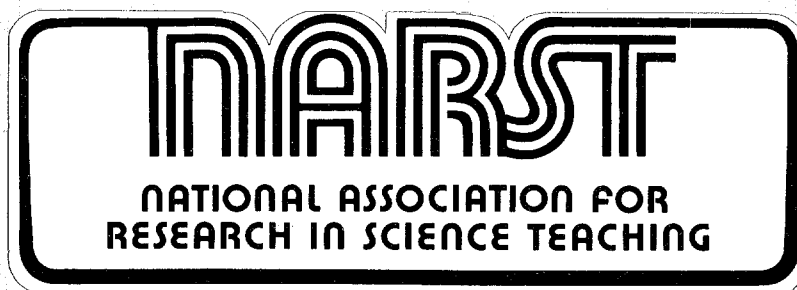
**Send to: Dr. William G. Holliday
NARST/EDCI
University of Calgary
Calgary, Alberta, Canada T2N 1N4**

.....

**Mail pre-registration fee
(received before March 3, 1983) of
_____ \$35 for members and
_____ \$46 for non-members**

**(On-site registration fees
will be \$11 extra.)**

Join your colleagues
from around
the world!



Join the most prominent international group of professionals who want to improve science teaching - through research.

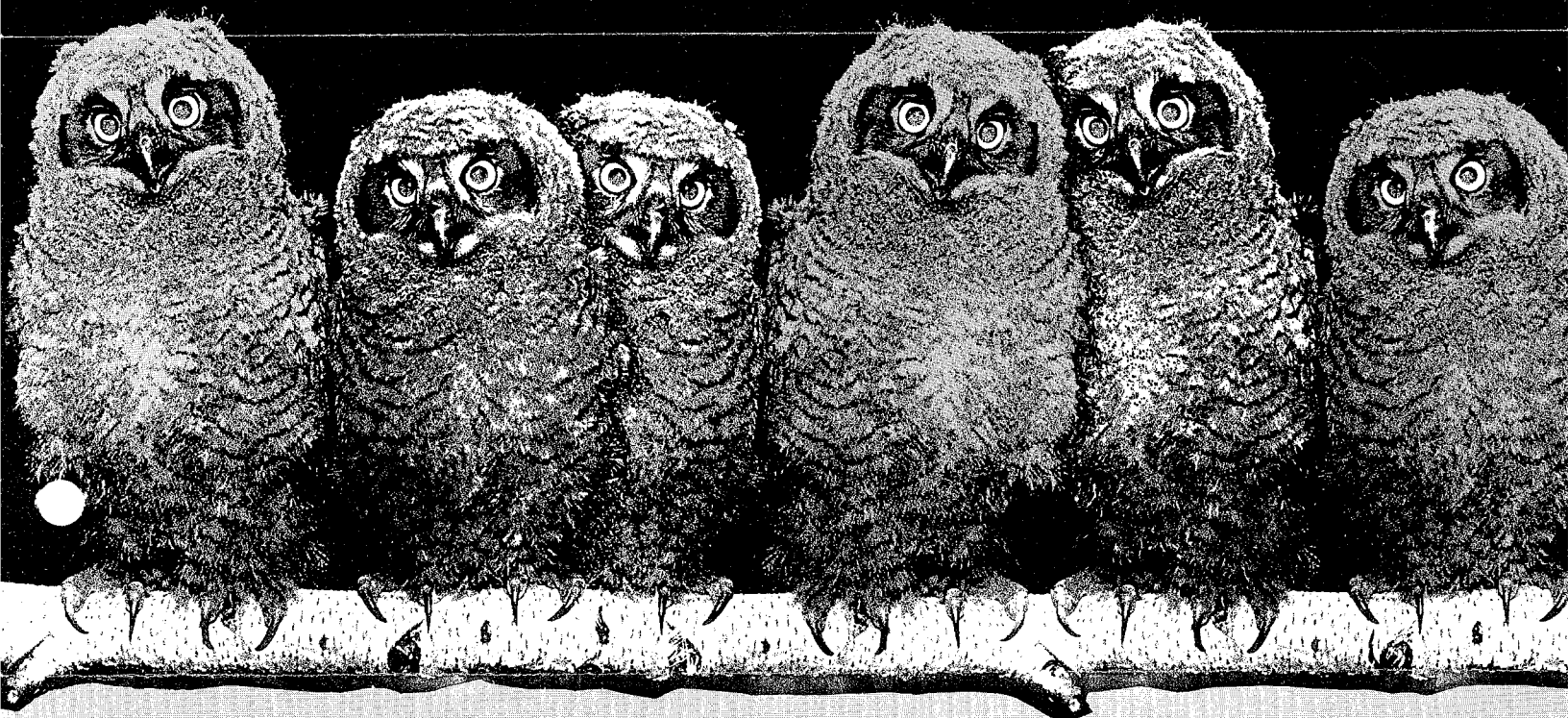
Highest Rated Science Journal

Published nine times a year, the *Journal of Research in Science Teaching* (JRST) has been ranked as one of the highest quality educational journals by Ward, Holland and Schramm (*American Education Research Journal*, 1975, 12, 109-128) and Guba and Clark (*Educational Researcher*, May 1978, 7, 3-9). These authors identified JRST as clearly the top research journal in science education.

Decision-makers and "Trend Setters"

Since 1928, members of NARST on a per capita basis have influenced more curricular changes and teaching practices in science education (elementary, secondary and university) than any other group of people. A large part of this success has been due to NARST's dissemination of up-to-date research information about trends and developments in science education. NARST informs its members by providing them with:

- Nine issues of the *Journal of Research in Science Teaching*.
- Over 100 abstracts of research papers presented at our annual meetings.
- Quarterly newsletters describing recent developments in research.
- Detailed Register-Directories describing the accomplishments and current research interests of NARST members.
- Opportunities to work with prominent people throughout the world on research projects and with such affiliated organizations as the National Science Teachers Association (NSTA) and the American Association for the Advancement of Science (AAAS).



Annual Meetings

Research issues and developments are discussed in a series of intellectually stimulating meetings, often held with NSTA. NARST also provides an atmosphere of congeniality where members have ample opportunities to socialize and discuss current issues. Only research papers high in quality are presented at NARST meetings and usually include:

- CONTRIBUTED PAPERS ● PANELS ● FEATURED SPEAKERS
- PAPER SETS ● SYMPOSIA ● ROUND TABLE DISCUSSIONS
- RESEARCH METHOD SEMINARS AND WORKSHOPS

Enjoy the benefits of NARST membership!

Mail the enclosed form or write:

Dr. William G. Holliday
National Association for
Research in Science Teaching
The University of Calgary
Calgary, Alberta Canada
T2N 1N4

1983-NSTA Dallas Program

5-20

NARST SESSIONS

Friday, April 8

8:00 - 8:50 a.m.

E404

"The Effect of Science Teaching on the Fourth-Grade Child's Concept of Piagetian Physical Causality"

Louise L. Gann and H. Seymour Fowler, Pennsylvania State University.

9:00 - 9:50 a.m.

E404

"Useful Strategies for Teaching Problem Solving in High School Chemistry"

Dorothy L. Gabel, Indiana University.

1:30 - 2:20 p.m.

E404

"What High School Students Do and Do Not Do in Problem Solving"

Dorothy L. Gabel and Larry Enochs, Indiana University and Robert D. Sherwood, New York University.

2:30 - 3:20 p.m.

E404

"Science Experiments and Their Relationship to Learning Styles"

Carl F. Berger, University of Michigan

Saturday, April 9

8:00 - 8:50 a.m.

E404

"Bilingualism and the Science Classroom"

Mary Ellen Quinn, Alamo Heights School District and Carolyn Kessler, The University of Texas at San Antonio.

9:00 - 9:50 a.m.

E404

"Diagnostic Instruction: How Can It Be Effective In Your Science Classroom"

P. Ann Miller, Stone Mountain Georgia and Russell H. Yeany, University of Georgia.

1:30 - 2:20 p.m.

E404

"The Disadvantaged Majority: Science Education for Women and Minorities"

Jane B. Kahle, Purdue University.

2:30 - 3:20 p.m.

E404

"Cooperative, Competitive and Individual Learning in the Science Classroom"

Ann C. Howe, Syracuse University.

Sunday, April 10

9:00 - 9:50 a.m.

"Analyzing Dialogue in Science Classes"
Thomas L. Russell, Queens University

E 404

TEXAS A&M UNIVERSITY

DEPARTMENT OF PHYSICS
COLLEGE STATION, TEXAS 77843
(713) 845-7717

5-22

October 20, 1982

MEMORANDUM

TO: Dallas Convention Program Committee
FROM: Robert Beck Clark
TOPIC: Program

Hooray! Enclosed is an advance copy of the program sent on October 1 to NSTA. As a result of all of your fine efforts, it looks as if we have a program we can be proud of. There will be a number of additions and corrections before it goes to press on November 1. These will include the NSSA, NARST, and CESI Sessions, and NSTA committee reports. Some post deadline papers will also be added if times and locations can be found for them. We have also just learned that Carl Sagan has consented to be the banquet speaker on Saturday night.

The next stage in our work will be identifying individuals who are willing to serve as presiders in the various sessions.

Thanks again so much for your contributions.

P. S. If you note any errors please give me a call ASAP.

NSTA NATIONAL CONVENTION

DALLAS

APRIL 7-10, 1983

The National Science Teachers Association (NSTA) will hold its 1983 National Convention in Dallas. "Focus on Excellence" is the conference theme. A wide variety of programs of special interest to everyone associated with science teaching will be offered.

The Texas-size meeting will feature a choice of 156 (yes, 156) different "hands-on" science-teaching workshops selected for excellence from across the United States, the world's largest exhibit of science-teaching materials and a distinguished slate of speakers which includes twice honored Nobel Laureate Linus Pauling.

The following is a sampling of the many program features.

-General Session Speakers

- Cecily Cannon Selby, Co-Chairperson of the National Science Board Commission on Pre-College Education in Mathematics, Science and Technology, will report on the recent work of the Commission.
- Willard J. Jacobsen, National Research Coordinator for SISS will speak on "Science Teaching in the U.S.: An International Perspective"
- Steven Weinberg, Nobel Laureate for Physics in 1979, will speak on "The Origin of the Universe"
- Linus Pauling, Nobel Laureate for Chemistry in 1954 and for Peace in 1962.

-Invited "Hands-on" Workshops

A spectrum of one hundred and fifty-six different invited workshops have been chosen for presentation by the committee and will include topics as diverse as

- "Creative Crabs"
- "Watching Weather"
- "Computers in the Chemistry Classroom"
- "Investigating Microfossils"
- "NASA Lunar Sample Certification Workshop"
- "The Best Things in Biology are Free"
- "Physics Challenges"
- "Astrophotography with 35 mm Cameras"

- "Marvelous Marine Mammals"
- "Make and Take Chem Gems and Joules"
- And 146 other outstanding workshops. A complete listing and descriptions of all workshops and forms for preregistration will be included in the NSTA Advance Program sent to all NSTA members.

-The Sunoco Lecturers will include

- Karen McNally, "Earthquake Prediction"
- Richard Zahre, "Laser Chemistry"
- Richard Setlow, "DNA Damage and Repair"
- Eric Chaisson, "Cosmic Dawn"
- William Fairbank, "Near Zero: Frontiers of Physics"

-Symposia

- "Exemplars in Science Education"
- "Trends in Science Education: An International Perspective"
- "NSTA Yearbook"
- "Science/Technology/Science: A Needed Focus for School Sciences"
- "NSTA's 1983 Search for Excellence"
- "Current Images of Science: Results of the 1982-83 National Assessment"
- "Scientific Writing in High Schools"

-Forums

- "NSTA General Forum" Thursday Evening
- "Forum on Women in Science: Impact of Early School Experiences on Career Choices"

-Panel Discussions on topics including:

- "Energy and Water"
- "The Learning Cycle"
- "Science Magnet Schools"

-Invited Lectures will include

- Harry Wong, "Motivating Intelligent, but Science Shy Students"
- Margaret Maxey, "Nuclear Energy: A SAFE Alternative"
- Glen Longley, "Recent Discovery of an Amazing Subterranean Aquatic Community Deep Beneath the Hills of Central Texas"

- Royston C. Clowes, "Genetic Engineering"
- Jack M. Hopper, "A New Program to Recognize Initiative and Distinction in Education in Florida"
- Harry B. Herzer III, "Aerospace Activities and Materials for the High School"
- Bill Holliday, "Guidelines for Evaluating Science Textbooks-- Recent Findings from Reading and Language Research"
- William Anderson and Paul Black, "Nuffield Physics"
- Robert Schechter, "New Enhanced Oil Recovery Methods"
- John Akey and Sharon Stroud, "Earth Science Smorgasbord"
- Kathleen Phillips Fulton, "U.S. Department of Education's PreCollege Teacher Development in Science Program"
- Dozens of other Invited Lectures on a variety of exciting topics.

-Commercial Workshops

- Nineteen textbook and instructional materials manufacturers will present Commercial Workshops on the specific materials they produce.

-NSTA Division Affiliate Programs

All six NSTA Division Affiliates will present a full slate of exciting programs throughout the convention each of which is available to all Convention participants.

- AETS (Association for the Education of Teachers in Science)
- CESI (Council for Elementary Science International)
- CSSS (Council of State Science Supervisors)
- NARST (National Association for Research in Science Teaching)
- NSSA (National Science Supervisors Association)
- SCST (Society for College Science Teachers)

-Contributed Papers

Over 100 contributed papers will be presented by NSTA members sharing information about innovative teaching ideas, new materials and local projects.

-Briefings

A series of daily briefings are planned which will be headed by national government and/or foundation leaders to report on planning for programs or funded projects designed to impact the profession.

NSTA NATIONAL CONVENTION

Dallas, Texas

April 7-10, 1982

Theme: Focus on Excellence

Thursday, April 8

8:00 a.m.-5:00 p.m.

Workshop

"Use of the Microcomputer in the Science Laboratory"

Tim C. Ingoldsby, Associate Executive Officer, American Association of Physics Teachers, SUNY at Stony Brook, Stony Brook, NY.

9:00 a.m.-5:00 p.m.

Workshop

"Molecular Models Short Course"

Douglas A. Halsted, Chemistry Teacher, Evanston Township High School and Tutorial Professor, Northwestern University, Evanston, IL.

4:00 p.m.-6:00 p.m.

EXHIBITS OPENING AND PREVIEW

6:00 p.m.-7:00 p.m.

PRESIDENT'S GENERAL SESSION AND AWARDS PRESENTATION

Speaker: Cecily Cannon Selby, Co-Chairperson of the National Science Board Commission on Precollege Education in Mathematics, Science and Technology.

7:00 p.m.

Forum

Moderator: Fletcher G. Watson, Shattuck Professor of Education, Emeritus, Harvard Graduate School of Education, Cambridge, MA.

Friday, April 9

8:00 a.m.-5:00 p.m.

Workshop

"Use of the Microcomputer in the Science Laboratory"

Tim C. Ingoldsby, Associate Executive Officer, American Association of Physics Teachers, SUNY at Stony Brook, Stony Brook, NY.

8:00 a.m. - 8:50 a.m.

Briefing

"SESE Project"

Bill G. Aldridge, NSTA Executive Director

Report to the Board

Communications Committee

September, 1982

NARST spent a great deal of time and effort during the first half of 1982 negotiating a new contract with John Wiley & Sons, Inc. Publishers, publishers of the *Journal of Research in Science Teaching (JRST)*.

Two problems were apparent to the officers of NARST. First, Wiley was charging NARST \$30.00 per member for mailed copies of *JRST* based on vague contractual guidelines agreed to by NARST in 1967. (The remaining revenues from membership fees have not been covering the expenses of the Association, as indicated in the June Newsletter.) Second, Wiley essentially "owned" *JRST* because of the termination penalties outlined in our 1967 contract were so severe (e.g., apparently over \$34,000 for the year 1982 and as much as \$100,000 for the year 1987) that NARST realistically was at the mercy of Wiley. Indeed, as one official at Wiley put it, the termination penalties in our contract were severe and were there for a good reason. Fortunately, Wiley has never exercised its full power over NARST. Nevertheless, it was considered a poor business practice to permit an external corporation to be in such a powerful position, especially considering the fact that Wiley currently owns and controls the other research journal in our area, *Science Education*.

To solve these crucial problems, the officers of NARST gave the executive secretary authority either to negotiate a new contract or to terminate our current contract with Wiley, to establish our own mechanisms for publishing *JRST* and to prepare for a legal battle in the New York State courts. Because of the potential impact of this matter on the future of science education and NARST, these problems constituted the major issue at our recent board meetings.

The solution to these problems required NARST to employ an excellent litigation lawyer, Robert J. Dwyer (100 Park Avenue, New York, NY 10017 - a recommendation from a NARST board member, Dr. Jane Kahle), to prepare to publish nine issues of *JRST* for 1983 and to coordinate the negotiations on both of these fronts. Incidentally, Mr. Dwyer's price for his professional services reasonably could have ranged from \$4,000-\$7,000. His fee to us totalled \$500.

The executive secretary would like to thank the NARST board for their confidence and cooperation in resolving these problems. The work of Dr. Jim Shymansky, editor of *JRST*, was particularly helpful throughout these negotiations.

After hundreds of phone calls and many letters to Mr. Dwyer, other counsel, the NARST board, publishing houses, other professional associations and printing-circulation agents, the executive secretary is pleased to report that NARST is independent of any corporation (or professional association) and will continue to have Wiley publish *JRST* for at least five more years. In the end, Wiley agreed to drop its current price to members from \$30 per year (1982) to \$20 per year for each year of the new contract - 1983, 1984, 1985, 1986 and 1987. Furthermore, Wiley agreed that the \$20 price may be increased for the renewal period of the new five-year contract (1988, 1989, 1990, 1991 and 1992) only with NARST's "consent, not to be unreasonably withheld." Furthermore, Wiley clearly agreed to provide NARST with our institutional subscription list for *JRST* far in advance of our termination with Wiley at some possible future date. (In the old contract, we would not have been able to acquire our circulation list in time to invoice institutions renewing their subscription to *JRST*.)

In addition, the termination penalties described in the new contract are dramatically reduced to \$6,300 for which NARST will receive 100 volumes (nine issues per year) of back issues of *JRST* for the previous four years. Moreover, an attractive (to NARST) royalty plan was negotiated for our last year with Wiley rather than on successive years following our last year with Wiley. Furthermore, Wiley will keep us abreast of their promotional efforts - a real concern of the NARST board during 1981-1982. A number of other minor points were negotiated, including an additional \$1,000 to the NARST treasury for the next five to ten years and a rational and clearly-worded contract - fair to both Wiley and NARST.

How did NARST do this so well at the bargaining table? Mr. Dwyer contended that NARST illustrated an awareness of the complexities involved in such negotiations and a willingness to keep pressing the case with the people at Wiley often on a day-to-day basis at crucial times during the negotiations. Wiley knew we meant business and they responded in a polite, businesslike manner.

Finally, Wiley's representatives, Mr. Allan Wittman, publishers, Wiley-Interscience Journals, Mr. Richard Rudick, general counsel and secretary of Wiley, and Mr. Kenneth B. Collins, vice-president of Wiley, truly bargained in good faith. They are to be commended for their professionalism and sincere interest in maintaining a good relationship with NARST. NARST, on the other hand, is looking forward to a continued, excellent working relationship with the people at Wiley.

October 5, 1982

M E M O R A N D U M

TO: NARST EXECUTIVE BOARD

FROM: J.A. Shymansky, Editor

RE: Annual Report of the Journal Editor

I. Area of Concern and Presidential Charge

1. Execute policies recommended by the Publication Advisory Committee and approved by the NARST Board of Directors.
2. Continue working relationships with Editorial Board.
3. Work with Wiley to facilitate the printing and distribution of the Journal.
4. Recommend changes to the Publication Advisory Committee for their approval prior to submission to NARST Board of Directors.

II. Activities

a. Working Relationship with Editorial Board

The Editorial Board has worked hard this past year. Since instituting the policy where anonymous reviewer comments are sent directly to authors, the quality of reviews and the quality of revised manuscripts resulting from those reviews has increased substantially. The organization is fortunate to have had such a talented, hard-working Editorial Board this past year. The Editorial Board should be commended for their fine work. (Editorial Board members are listed in Attachment A).

Also to be commended are the outside reviewers who were called upon to provide reviews when loads exceeded levels that could be handled by regular Board members or when special expertise was required in reviews. (Please see Attachment B for a listing of additional reviewers).

The following Editorial Board members will complete their terms on the Board December 31, 1982:

Glen S. Aikenhead
 Ronald D. Anderson
 John J. Koran, Jr.

The following persons have been recommended for membership on the Editorial Board:

Douglas Roberts
 Barry Fraser
 Ronald G. Good
 Mary Lee Smith
 Rosiland Driver

b. Working Relationship with Wiley

The staff at Wiley has been very cooperative this past year and continues to provide excellent support and services. Ms. Carol McNellis has replaced Mayda Rumberg as Production Editor for the Journal and Ms. Mary Curtis has replaced Allan Wittman as Publisher.

The new contract with Wiley calls for a fixed member rate of \$20.00 through 1987 with no additional charge to either NARST or any member subscribers for Canadian or United States surface postage. The cost of postage and handling outside the U.S. will be \$25.00.

Staff at Wiley have been very helpful in updating agreements with the various abstracting services. We are currently abstracted in Education Index, Current Index of Journals in Education, Child Development Abstracts and Bibliography, Current Contents/Behavioral Sciences, Investigations in Science Education, and Social Sciences Citation Index. We are currently trying to make arrangements with the British Education Index and The Australian Education Index to better serve our overseas readers and contributors.

c. Working Relationship with Publications Advisory Committee

No new charges were undertaken by the Publication Advisory Committee since the annual meeting at Lake Geneva. However, I have been in communication with Rodger Bybee, PAC Chair regarding appointments to the Editorial Board this year and nominations for Editorial Board appointments for 1984. We discussed the desirability of maintaining a strong board representing all segments of the NARST membership including its overseas constituents.

III. Recommendations for Board Action

- a. Letters of commendation be sent from the President to each of the Editorial Board members and the additional reviewers in recognition of their contribution to the Journal.
- b. Nominations to the Editorial Board be confirmed.
- c. The following budget for the Journal for 1983 be approved:

Volume 20 (650 @ \$20.00).....	\$13,000
Editorial Staff	16,000
Office Supplies/Telephone	1,500
Computer Terminal Installation	405
Computer Line Rental	60
Computer Terminal Purchase	600

Editor's Travel

Spring Annual Meeting	700
Editorial Board Meeting	150

Total	\$32,415
Contributed by University of Iowa	18,160

Balance in NARST Budget	\$14,255
-------------------------	----------

JRST EDITORIAL BOARD-1982

Michael R. Abraham . . . . .	.1983
Glen S. Aikenhead . . . . .	.1982
Ronald Anderson . . . . .	.1982
✓ Anthony J.D. Blake . . . . .	.1983
Rodger Bybee . . . . .	.1983
George W. Cossman . . . . .	.1983
Linda R. DeTure . . . . .	.1983
Fred N. Finley . . . . .	.1983
✓ Robert A. Forsyth . . . . .	.1983
Dorothy Gabel . . . . .	.1983
Avi Hofstein . . . . .	.1983
Roger T. Johnson . . . . .	.1983
Jane B. Kahle . . . . .	.1983
John J. Koran, Jr. . . . .	.1983
Mary Lou Koran . . . . .	.1983
Frances Lawrenz . . . . .	.1983
Anton E. Lawson . . . . .	.1983
Marcia C. Linn . . . . .	.1983
Lawrence Lowery . . . . .	.1983
Ronald J. Raven . . . . .	.1983
John W. Renner . . . . .	.1983
Michael Shayer . . . . .	.1983
Robert Shrigley . . . . .	.1983
Elizabeth Stage . . . . .	.1983
Paul Westmeyer . . . . .	.1983
Victor L. Willson . . . . .	.1983
Warren Wollman . . . . .	.1983
Russell Yeany . . . . .	.1983

ATTACHMENT B

ADDITIONAL REVIEWERS 1982

✓Jennifer Alport	Edmund Marek
Carl Berger	Glen Markle
✓Paul Boehlke	John McLure
Marvin Bratt	James Okey
✓Herbert Brunkhorst	Sandra Pellens-Meinhard
William Capie	✓Dale Phillips
Linda Crow	Darrell Phillips
Graham Dettrick	Douglas Roberts
Gerald Dillashaw	Mary Budd Rowe
Jack Easley	✓Daniel Sheldon
Barry Fraser	Robert Sherwood
Lynn Glass	Doris Simonis
Ronald Good	Everett Stallings
Stanley Helgeson	Kenneth Tobin
Dudley Herron	✓Richard Tompkins
Willis Horak	David Treagust
Ann Howe	✓Ewe van den Berg
Linda Kelsey	Carol Wareing
Thomas Koballa	Wayne Welch
Michael Kozlow	Mary Westerback
William Kyle	Arthur White
William Leonard	Robert Yager
Vincent Lunetta	

ATTACHMENT C*

INTERIM REPORT OF MANUSCRIPT ACTIVITY

October 1, 1981 - September 30, 1982

Manuscripts Received	157
Comments & Criticisms	15
Manuscripts Accepted	67
Manuscripts Rejected	76
Acceptance Rate	47%
Rejection Rate	53%

*A complete report showing data for calendar years 1978-82 will be presented at the Spring meeting of the NARST Executive Board.

Founded 1928
Incorporated 1961

Sponsoring the Journal of Research in Science Teaching
Affiliated with NSTA, AAAS, ASE and ICASE

National Association for Research in Science Teaching

EXECUTIVE SECRETARY
Dr. William G. Holliday
NARST-EDCI
The University of Calgary
Calgary, Alberta
Canada T2N 1N4

22 July 82

PRESIDENT-ELECT
Dr. Ann C. Howe
101 Heroy Building
Syracuse University
Syracuse, NY 13210

TO: Bill Holliday

FROM: Stan Helgeson

PRESIDENT
Dr. Carl F. Berger
School of Education
University of Michigan
Ann Arbor, MI 48109

Enclosed is the slate for the 1983 Elections. This will constitute the report from the Elections Committee for the Fall Executive Board meeting.

IMMEDIATE PAST PRESIDENT
Dr. Stanley L. Helgeson
Science & Mathematics Education
The Ohio State University
Columbia, OH 43210

The candidates have all been asked to get a brief biographical sketch, patterned after the one used last year, to you for inclusion in the Newsletter.

BOARD MEMBERS
Dr. James P. Barufaldi (1983)
Science Education Center
Education Building 340
University of Texas at Austin
Austin, TX 78712

I am now leaving for two weeks in northern Wisconsin-- will be in touch when I return.

Dr. Rodger Bybee (1984)
Education Department
Carleton College
Northfield, MN 55057

Dr. Linda R. DeTure (1985)
School of Education
Rollins College
Winter Park, FL 32789

Dr. J. Dudley Herron (1983)
Department of Chemistry
Purdue University
West Lafayette, IN 47907

Dr. Jane B. Kahle (1984)
Department of Biological Sciences
Purdue University
West Lafayette, IN 47907

Dr. Russell H. Yeany (1985)
Science Education Department
University of Georgia
Athens, GA 30602

President-elect

S. Fowler E. Thompson

Executive Board

G. Aikenhead

J. Butzow

E. Gennaro

M. Linn

Research Coordinator

R. Doran E. Smith

JOURNAL EDITOR
Dr. James Shymansky (1985)
Science Education - Physics Bldg.
University of Iowa
Iowa City, IA 52242

RESEARCH COORDINATOR
Dr. Arthur White (1983)
Science & Mathematics Education
The Ohio State University
Columbus OH 43210

NSTA REPRESENTATIVE
Dr. Robert Yager
National Science Teachers Association
1742 Connecticut Avenue, NW
Washington, DC 20009

56TH ANNUAL MEETING AT THE DALLAS HILTON-NEAR THE NSTA CONVENTION CENTER, APRIL 5-8, 1983
SEND OFFICIAL CORRESPONDENCE TO THE EXECUTIVE SECRETARY (TELEPHONE 403-284-7485)



THE UNIVERSITY OF TEXAS AT AUSTIN
SCIENCE EDUCATION CENTER
AUSTIN, TEXAS 78712

MEMORANDUM

DATE: June 23, 1982
TO: Members of the JRST Award Committee
FROM: James P. Barufaldi, Chairman *JB*
JRST Award Committee
Science Education Center, EDB 340
The University of Texas at Austin
Austin, Texas 78712 (512/471-7354)

Committee Members: Michael Padilla, Howard Bernie, Robert Sherwood, William Brown, Rodney Doran, James Kozlow, Jack Montague, Thomas Koballa, John Novak, Barbara Chambers, Charles W. Anderson, and Mary Westerback.

Thank you for agreeing to serve on the JRST Awards Committee. The charge to the committee is to evaluate and select the "best" article appearing in volume 19 (1982) of the Journal of Research in Science Teaching (JRST). Nine issues of JRST will be published in 1982.

Enclosed you will find copies of evaluation forms to be used in this process. Most articles appearing in JRST will be research oriented; a few will reflect characteristics of a position-type paper. Use a separate evaluation form to evaluate each article. Mail your evaluations to me upon completion of the task.

The following includes a schedule for returning the forms and the various responsibilities of committee members.

<u>Issue</u>	<u>Due Date</u>	<u>Committee Members</u>
1	Oct. 31	Bernie, Montague, Novak, Sherwood
2	Oct. 31	Bernie, Montague, Novak, Sherwood
3	Oct. 31	Bernie, Montague, Novak, Sherwood
4	Nov. 30	Brown, Chambers, Doran, Kozlow
5	Nov. 30	Brown, Chambers, Doran, Kozlow
6	Nov. 30	Brown, Chambers, Doran, Kozlow
7	Dec. 31	Anderson, Koballa, Padilla, Westerback
8	Dec. 31	Anderson, Koballa, Padilla, Westerback
9	Dec. 31	Anderson, Koballa, Padilla, Westerback

All committee members will also have the opportunity to evaluate the "best" article selected from each issue to assist in making the final selection.

Thank you again for your time and assistance.

JPB/cs

Founded 1928
Incorporated 1961

Sponsoring the Journal of Research in Science Teaching
Affiliated with NSTA, AAAS, ASE and ICASE

National Association for Research in Science Teaching

September 22, 1982

EXECUTIVE SECRETARY
Dr. William G. Holliday
NARST-EDCI
The University of Calgary
Calgary, Alberta
Canada T2N 1N4

Dr. William Holliday
Executive Secretary
NARST-EDCI
The University of Calgary
Calgary, Alberta, Canada T2N 1N4

PRESIDENT-ELECT
Dr. Carl F. Berger
School of Education
University of Michigan
Ann Arbor, MI 48109

Dear Bill:

PRESIDENT
Dr. Stanley L. Helgeson
Science & Mathematics Education
The Ohio State University
Columbus, OH 43210

My understanding at the last Board Meeting was that the Board concurred with my recommendation to dissolve the Placement Committee. During the two years that I have chaired this committee, I have become aware that changes both in the economy and in the job market render it obsolete. Few positions are available and listed in science education. By the time we collect and distribute information concerning openings through the Newsletter, the searches are closed. I have had one direct inquiry from a member in two years. I have received one answer from a committee member to my letters concerning responsibilities and functions of the committee in two years. These responses do not indicate a need for this committee.

IMMEDIATE PAST PRESIDENT
Dr. John W. Renner
Physical Sciences Ctr.,
University of Oklahoma
Norman, OK 73019

Although Dr. James Lehman, who has assisted me with this responsibility, has sent periodic printouts of available positions to members and science education centers, we have received few, if any, inquiries.

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Dr. James P. Barufaldi (1983)
Science Education Center
Education Building 340
University of Texas at Austin
Austin, TX 78712

Dr. Roger Bybee (1984)
Education Department
Carleton College
Northfield, MN 55057

Dr. J.A. Easley, Jr. (1982)
Bureau of Educational Research
University of Illinois
Urbana, IL 61801

Dr. J. Dudley Herron (1983)
Department of Chemistry
Purdue University
West Lafayette, IN 47907

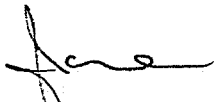
Dr. Jane B. Kahle (1984)
Department of Biological Sciences
Purdue University
West Lafayette, IN 47907

Dr. John T. Wilson (1982)
Science Education - Physics Bldg.
University of Iowa
Iowa City, IA 52242

Therefore, my recommendation is to dissolve this committee. If a need for it arises in the future, a similar one could be reconstituted.

JOURNAL EDITOR
Dr. James Shymansky (1985)
Science Education - Physics Bldg.
University of Iowa
Iowa City, IA 52242

Sincerely yours,



RESEARCH COORDINATOR
Dr. Arthur White (1983)
Science & Mathematics Education
The Ohio State University
Columbus, OH 43210

Jane Butler Kahle
Board Member

PLACEMENT COORDINATOR
Dr. John E. Penick (1981)
Science Education - Physics Bldg.
University of Iowa
Iowa City, IA 52242

JK:jb

NSTA REPRESENTATIVE
Mrs. Sarah E. Klein (1982)
National Science Teachers Association
1742 Connecticut Avenue, NW
Washington, DC 20009

55TH ANNUAL MEETING AT THE ABBEY ON LAKE GENEVA NEAR CHICAGO APRIL 5-8, 1982
SEND OFFICIAL CORRESPONDENCE TO THE EXECUTIVE SECRETARY (TELEPHONE 403-284-7485)

Report from the
Membership Committee

William G. Holliday

November 1, 1982

Please examine the report of the executive secretary.

In addition, please read the attached work of Jane Kahle in regards to membership.

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National Association for Research in Science Teaching

July 23, 1982

EXECUTIVE SECRETARY
Dr. William G. Holliday
NARST-EDCI
The University of Calgary
Calgary, Alberta
Canada T2N 1N4

Dr. William G. Holliday
NARST-EDCI
The University of Calgary
Calgary, Alberta
Canada T2N 1N4

PRESIDENT-ELECT
Dr. Carl F. Berger
School of Education
University of Michigan
Ann Arbor, MI 48109

Dear Bill:

PRESIDENT
Dr. Stanley L. Helgeson
Science & Mathematics Education
The Ohio State University
Columbus, OH 43210

Enclosed is a sample letter and a list of colleagues to whom it was mailed. You may want to see how effective this type of membership promotion is or to follow up with another mailing. I compiled a fairly lengthy list of acquaintances, then we eliminated existing members.

IMMEDIATE PAST PRESIDENT
Dr. John W. Renner
Physical Sciences Ctr.,
University of Oklahoma
Norman, OK 73019

All of this activity has completely depleted my stock of NARST stationary. Please send more whenever convenient.

BOARD MEMBERS
Dr. James P. Barufaldi (1983)
Science Education Center
Education Building 340
University of Texas at Austin
Austin, TX 78712

Enjoyed talking with you and getting updated on all NARST activities. I have not spoken with Sam (brother) yet, but promise to do so.

Dr. Roger Bybee (1984)
Education Department
Carleton College
Northfield, MN 55057

Dr. J.A. Easley, Jr. (1982)
Bureau of Educational Research
University of Illinois
Urbana, IL 61801

Dr. J. Dudley Herron (1983)
Department of Chemistry
Purdue University
West Lafayette, IN 47907


Dr. Jane B. Kahle (1984)
Department of Biological Sciences
Purdue University
West Lafayette, IN 47907

Dr. John T. Wilson (1982)
Science Education - Physics Bldg.
University of Iowa
Iowa City, IA 52242

In looking for my membership list, I went through the Register-Directory and noted that I did not have a summary. (Thought I had done one at last year's board meeting.) Anyway, I have enclosed one for the next update.

Thanks for calling and keep up the good work!

Best,



Jane Butler Kahle

JOURNAL EDITOR
Dr. James Shymansky (1985)
Science Education - Physics Bldg.
University of Iowa
Iowa City, IA 52242

RESEARCH COORDINATOR
Dr. Arthur White (1983)
Science & Mathematics Education
The Ohio State University
Columbus, OH 43210

JK:jb
Enc.

PLACEMENT COORDINATOR
Dr. John E. Penick (1981)
Science Education - Physics Bldg.
University of Iowa
Iowa City, IA 52242

NSTA REPRESENTATIVE
Mrs. Sarah E. Klein (1982)
National Science Teachers Association
1742 Connecticut Avenue, NW
Washington, DC 20009

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National Association for Research in Science Teaching

EXECUTIVE SECRETARY
Dr. William G. Holliday
NARST-EDCI
The University of Calgary
Calgary, Alberta
Canada T2N 1N4

July 21, 1982

PRESIDENT-ELECT
Dr. Ann C. Howe
101 Heroy Building
Syracuse University
Syracuse, NY 13210

Dr. George Bodner
Chemistry Department
Purdue University
West Lafayette, IN 47907

PRESIDENT
Dr. Carl F. Berger
School of Education
University of Michigan
Ann Arbor, MI 48109

Dear George:

IMMEDIATE PAST PRESIDENT
Dr. Stanley L. Helgeson
Science & Mathematics Education
The Ohio State University
Columbia, OH 43210

Because of our mutual interest in science education, I want to urge you to join the National Association for Research in Science Teaching. In the seven years in which I have been an active member, NARST has widened its membership base, expanded the direction of its journal, and instituted a series of seminars concerning new research methodologies. All of these innovations have benefitted me professionally, and I think they may be of interest to you, too.

BOARD MEMBERS
Dr. James P. Barufaldi (1983)
Science Education Center
Education Building 340
University of Texas at Austin
Austin, TX 78712

For example, the organization's journal, the Journal of Research in Science Teaching, has become more efficient in manuscript processing and more liberal in the type of manuscript accepted. James Shymansky, our new editor, has streamlined the manuscript review process so that manuscripts often are published within 9 months of receipt. In addition, the journal is no longer restricting articles to reports of empirical research. Volume 19, for example, presented a series of articles on non-traditional research methodologies: qualitative research, historical research, meta-analysis, and naturalistic case studies. Together these articles provide an excellent perspective of the nature of science education research today.

Dr. Rodger Bybee (1984)
Education Department
Carleton College
Northfield, MN 55057

Dr. Linda R. DeTure (1985)
School of Education
Rollins College
Winter Park, FL 32789

Dr. J. Dudley Herron (1983)
Department of Chemistry
Purdue University
West Lafayette, IN 47907

Dr. Jane B. Kahle (1984)
Department of Biological Sciences
Purdue University
West Lafayette, IN 47907

Dr. Russell H. Yeany (1985)
Science Education Department
University of Georgia
Athens, GA 30602

JOURNAL EDITOR
Dr. James Shymansky (1985)
Science Education - Physics Bldg.
University of Iowa
Iowa City, IA 52242

NARST holds its national convention alternately with NSTA or AERA so that its members can attend two professional meetings without doubling transportation costs. This year we meet with NSTA in Dallas. We will meet from April 4 through 8, while NSTA extends from April 7 to 11. This year NARST is able to offer its membership excellent and inexpensive accommodations at the Dallas Hilton (\$31 per person, double occupancy), which may be extended throughout the NSTA meetings.

RESEARCH COORDINATOR
Dr. Arthur White (1983)
Science & Mathematics Education
The Ohio State University
Columbus OH 43210

NSTA REPRESENTATIVE
Dr. Robert Yager
National Science Teachers Association
1742 Connecticut Avenue, NW
Washington, DC 20009

56TH ANNUAL MEETING AT THE DALLAS HILTON-NEAR THE NSTA CONVENTION CENTER, APRIL 5-8, 1983
SEND OFFICIAL CORRESPONDENCE TO THE EXECUTIVE SECRETARY (TELEPHONE 403-284-7485)

I value my membership in NARST because it is an intellectually and professionally stimulating organization. I hope that you will join me as a NARST member and that I'll see you in Dallas in the spring!

Sincerely,

Jane Butler Kahle

JBK:jb
Enc. (2)

NARST LETTER SENT ON 7/21/82 TO FOLLOWING:

Dr. Joan Bray
10561 Hampton
Jacksonville, FL 32217

Dr. Harvey Bender
Dept. Biology
University of Notre Dame
Notre Dame, IN 46556

Nell Anthony
1820 Bethany Lane, N.W.
Huntsville, AL 35806

Dr. Wm. Barstow
Dept. Biology
U. of Georgia
Athens, GE 30607.

Sue Speece
916 Warwick Rd.
Muncie, IN 47304

Linda Ritter
494 Cheena
Houston, TX 77096

L.E. (Gene) Poorman
Dept. of Physics
Indiana State U.
Terre Haute, IN 47809

Jon Hendrix
Dept. Biology
Ball State U.
Muncie, IN 46306

Marjorie Behringer
1613 Cripple Creek Drive
Austin, TX 78758

George Bodner
Chemistry Dept.
Purdue University
West Lafayette, IN 47907

Thomas Mertens
Dept. Biology
Ball State U.
Muncie, IN 46306

James Hawk
Dept. Plant Science
U. of Delaware
Newark, Delaware 19711

Dr. Classie Hoyle
Affirmative Action
University of Iowa
105 Jessup Hall
Iowa City, Iowa 52242

Susan Franson
Dept. Ecology, Ethology, & Evolution
515 Morrill Hall
Urbana, IL 61801

Bernice Cobb
Dept. Natural Sciences
Miles College
Birmingham, AL 35208

Mildred Collins
Box 4848
Stillman College
Tuscaloosa, AL 35401

Walter Cory
Coordinator for School Science
103 Morrison Hall
Indiana University
Bloomington, IN 47401

Charlotte Boener
Science Teaching Center
College of Arts & Science
Indiana State University
Terre Haute, IN 47809

NARST Awards Committee

No action has been taken during the previous six months.

Policy Advisory Committee

No action taken during the previous six months.

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Affiliated with NSTA, AAAS, ASE and ICASE

National Association for Research in Science Teaching

October 11, 1982

EXECUTIVE SECRETARY
Dr. William G. Holliday
NARST-EDCI
The University of Calgary
Calgary, Alberta
Canada T2N 1N4

TO: Publication Advisory Committee

FROM: Rodger Bybee *RB*

TOPIC: Report to the NARST Executive Board

PRESIDENT-ELECT
Dr. Ann C. Howe
101 Heroy Building
Syracuse University
Syracuse, NY 13210

Enclosed is a draft of recommendations that will be made to the NARST Executive Board during the fall meeting.

PRESIDENT
Dr. Carl F. Berger
School of Education
University of Michigan
Ann Arbor, MI 48109

Acutally, we had very little to do this time. The Executive Board gave us no specific charges upon which to act. I am sure that you read about the NARST-Wiley negotiations in the newsletter. Likewise, the work with NSTA in the cooperative production of What the Research Says to the Science Teacher seems to have been completed.

IMMEDIATE PAST PRESIDENT
Dr. Stanley L. Helgeson
Science & Mathematics Education
The Ohio State University
Columbia, OH 43210

As you can see, we are recommending several individuals to the Editorial Board of JRST. These individuals have been reviewed and recommended by the journal editor. The individuals are replacing those who will go off the board during this academic year.

BOARD MEMBERS
Dr. James P. Barufaldi (1983)
Science Education Center
Education Building 340
University of Texas at Austin
Austin, TX 78712

Dr. Rodger Bybee (1984)
Education Department
Carleton College
Northfield, MN 55057

Dr. Linda R. DeTure (1985)
School of Education
Rollins College
Winter Park, FL 32789

Dr. J. Dudley Herron (1983)
Department of Chemistry
Purdue University
West Lafayette, IN 47907

Dr. Jane B. Kahle (1984)
Department of Biological Sciences
Purdue University
West Lafayette, IN 47907

Dr. Russell H. Yeany (1985)
Science Education Department
University of Georgia
Athens, GA 30602

I ask that you forward any comments to me as soon as possible. If I have not heard from you by October 15, I will assume you have no questions or comments concerning our report to the Board of NARST.

RB/ng

JOURNAL EDITOR
Dr. James Shymansky (1985)
Science Education - Physics Bldg.
University of Iowa
Iowa City, IA 52242

Enclosure

RESEARCH COORDINATOR
Dr. Arthur White (1983)
Science & Mathematics Education
The Ohio State University
Columbus OH 43210

NSTA REPRESENTATIVE
Dr. Robert Yager
National Science Teachers Association
1742 Connecticut Avenue, NW
Washington, DC 20009

56TH ANNUAL MEETING AT THE DALLAS HILTON-NEAR THE NSTA CONVENTION CENTER, APRIL 5-8, 1983
SEND OFFICIAL CORRESPONDENCE TO THE EXECUTIVE SECRETARY (TELEPHONE 403-284-7485)

PUBLICATION ADVISORY COMMITTEE
REPORT TO NARST
EXECUTIVE BOARD

The Publication Advisory Committee had no specific charges for consideration during the period between the spring 1982 meeting and the fall 1982 meeting of the Executive Board.

The major item of business related to the Publication Advisory Committee was the re-negotiation of the contract with John Wiley. The chair of the Publication Advisory Committee was aware of and participated in the negotiation process with Wiley.

A special committee composed of Rodger Bybee (as both Executive Board member and chair of the Publication Advisory Committee), Art White, Stanley Helgeson and Bill Holliday was designated by the board of directors of NARST to form the policies for cooperation between NARST and NSTA in the production of What Research Says to the Science Teacher. It now appears as if negotiations have been completed with NSTA. We will be cooperating on Volumes V and VI of What Research Says to the Science Teacher. Volume V will be edited by Ron Anderson. The topic will be the results of Anderson's Meta-Analysis project. The editor for VI has not been identified. Dr. Herbert Walbeig's project on production time and learning is under consideration.

ACTION ITEMS

We recommend that the following individuals be appointed to the Editorial Board of The Journal of Research in Science Teaching.

Dr. Ronald Good
Florida State University

Dr. Barry Frasier
Macquarie University

← Dr. Mary Lee Smith
University of Colorado

- Dr. Rosalind Driver
University of Leeds

Dr. Douglas Roberts
University of Calgary

Discussion. These individuals are being recommended to replace persons leaving the Editorial Board during the 1982-83 academic year. This represents an addition of two people to the editorial board.

National Association for Research in Science Teaching

EXECUTIVE SECRETARY
Dr. William G. Holliday
NARST-EDCI
The University of Calgary
Calgary, Alberta
Canada T2N 1N4

October 4, 1982

PRESIDENT-ELECT
Dr. Carl F. Berger
School of Education
University of Michigan
Ann Arbor, MI 48109

To: William G. Holliday, Executive Secretary

PRESIDENT
Dr. Stanley L. Helgeson
Science & Mathematics Education
The Ohio State University
Columbus, OH 43210

From: Art White

IMMEDIATE PAST PRESIDENT
Dr. John W. Renner
Physical Sciences Ctr.,
University of Oklahoma
Norman, OK 73019

RE: Research Committee Report

BOARD MEMBERS
Dr. James P. Barufaldi (1983)
Science Education Center
Education Building 340
University of Texas at Austin
Austin, TX 78712

1. Developing list of topics and instruction to recommend to program committee for Techniques and Procedures Session for Dallas meeting.

Dr. Roger Bybee (1984)
Education Department
Carleton College
Northfield, MN 55057

2. Developing list of topics and authors to recommend for consideration in What Research Says publication for NSTA.

Dr. J.A. Easley, Jr. (1982)
Bureau of Educational Research
University of Illinois
Urbana, IL 61801

Dr. J. Dudley Herron (1983)
Department of Chemistry
Purdue University
West Lafayette, IN 47907

Dr. Jane B. Kahle (1984)
Department of Biological Sciences
Purdue University
West Lafayette, IN 47907

Dr. John T. Wilson (1982)
Science Education - Physics Bldg.
University of Iowa
Iowa City, IA 52242

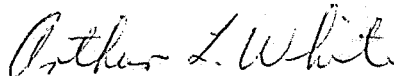
Report Submitted by:

Dr. John Kovan
Dr. Linda DeTure
Dr. Glen Aikenhead

JOURNAL EDITOR
Dr. James Shymansky (1985)
Science Education - Physics Bldg.
University of Iowa
Iowa City, IA 52242

RESEARCH COORDINATOR
Dr. Arthur White (1983)
Science & Mathematics Education
The Ohio State University
Columbus, OH 43210

Cordially,



Arthur White
Research Coordinator

PLACEMENT COORDINATOR
Dr. John E. Penick (1981)
Science Education - Physics Bldg.
University of Iowa
Iowa City, IA 52242

AW/bs

NSTA REPRESENTATIVE
Mrs. Sarah E. Klein (1982)
National Science Teachers Association
1742 Connecticut Avenue, NW
Washington, DC 20009

INTERORGANIZATION LIAISON COMMITTEE

No action has been taken during the previous six months.

National Association for Research in Science Teaching

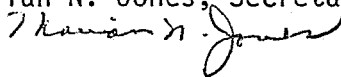
September 17, 1982

EXECUTIVE SECRETARY
Dr. William G. Holliday
NARST-EDCI
The University of Calgary
Calgary, Alberta
Canada T2N 1N4

TO: Dr. Bill Holliday, Executive Secretary

PRESIDENT-ELECT
Dr. Ann C. Howe
101 Heroy Building
Syracuse University
Syracuse, NY 13210

FROM: Marian N. Jones, Secretary to Dr. J. Dudley Herron



PRESIDENT
Dr. Carl F. Berger
School of Education
University of Michigan
Ann Arbor, MI 48109

Thank you for your information regarding the Wiley contract as well as the Dallas meeting arrangements. I wish to remind you that Dr. Herron is on sabbatical leave and while he will not be participating in NARST to the extent he has been in the past, I am sending mail to him and keeping him abreast of events. He will not be attending the meetings until after his return from Europe in August of 1983.

IMMEDIATE PAST PRESIDENT
Dr. Stanley L. Helgeson
Science & Mathematics Education
The Ohio State University
Columbia, OH 43210

BOARD MEMBERS
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Department of Biological Sciences
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West Lafayette, IN 47907

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Science Education Department
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NSTA REPRESENTATIVE
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1742 Connecticut Avenue, NW
Washington, DC 20009

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