



NARST

Newsletter

NEWSLETTER OF THE NATIONAL ASSOCIATION FOR RESEARCH IN SCIENCE TEACHING

August 1972

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MESSAGE TO MEMBERS
FROM
PRESIDENT J. DAVID LOCKARD

NARST is certainly off to a good start after the highly productive 45th Annual Meeting in Chicago. We appreciate, very much, your fine support and the way so many of you have jumped in to help. Our Secretary-Treasurer, Ralph Lefler, has really gotten us rolling as you will see in the next couple of pages. His detailed minutes and financial reports show that the organization is really on the move and it is your enthusiasm that is making it go. With this you will receive the new Directory showing solid support and healthy growth. The Journal is getting even better as your JRST staff has responded already to your constructive suggestions.

Now let's get our other research-minded colleagues aboard so that the 46th Annual Meeting in Detroit now being arranged by Wayne Welch's Program Committee can be our best ever. Answer their call for papers with more of those high quality reports that can make relevant contributions in the classroom where the action is.

See you all in Detroit on March 27th. Read on!

MINUTES OF THE APRIL 4, 1972
MEETING OF THE BOARD

1. Minutes of the March 22 and 25, 1971 Meetings of the Board were approved.
2. A financial report for the period July 3, 1971 to March 31, 1972 was presented and accepted. A summary of the report follows:

Transferred from Michigan State	\$ 1,157.02	
Dues received	10,176.34	
Preregistration for the Chicago meeting	608.00	
Journal Publication rights	330.00	
Miscellaneous income	255.00	
Total received		\$12,526.36

Expenditures:

John Wiley & Sons, Journal Publication	\$ 594.30	
Wages (Computer Programmer, Secretary and clerical)	568.18	
Office supplies	71.86	
Postage	371.80	
Computer printouts and mailing labels	213.29	
Printing and duplicating	750.62	
Telephone	265.79	
Bank charges	16.80	
Membership refund	10.00	
ERIC (production of first Newsletter)	400.00	
Frank Sutman, travel expense	42.76	
R. W. Lefler, travel to East Lansing	31.50	
Total expenditures		\$ 3,336.90
Balance on Hand		<u>9,189.46</u>
Sum of expenditures and balance on hand		\$12,526.36

Assets: (Addendum to March 31, 1972 Financial Statement)

Added income expected in 1972

Mailing list rental	\$ 60.00	
Unpaid dues	4,020.00	
Savings Bank Balance	3,939.55	
Uncashed checks in hand	65.00	
Balance in checking account	9,189.46	
Possible assets		\$17,274.01

Obligations:

John Wiley & Sons (publication of 1972 Journals)	\$ 5,436.00	
Editorial Assistant for Journal Editors Office (salary and fringe benefit)	4,196.91	
ERIC (cost of Abstracts)	1,000.00	
	<hr/>	
Total immediate obligations		\$10,632.91

Possible Balance, 1972 year:

In Savings Bank (sure)	3,939.55
Working fund in checking account	2,701.55

Proposed Budget for April 1, 1972 - March 25, 1972:

John Wiley & Sons, publication of Journal	\$ 5,436.00	
Office of the Journal Editor	4,500.00	
ERIC Services, Compilation of Abstracts and Newsletter	1,125.00	
Placement Services	100.00	
President's Office	100.00	
President-Elect's Office (Program Chairman)	100.00	
Expense of Representative on the Cooperative Committee	150.00	
Office of the Secretary-Treasurer:		
Wages, Computer Programmer, sorting, stuffing, clerical	\$ 500.00	
Supplies	75.00	
Computer Service	250.00	
Postage, ongoing business, two Newsletters, preliminary programs, directory, ballots, placement notes	600.00	
Printing and off-set work, two Newsletter statements, stationery, preliminary programs, directory ballots, placements notes, etc.	750.00	
Telephone	300.00	
Bank charges	25.00	
Round trip to Detroit	40.00	
	<hr/>	
Total Secretary-Treasurer		\$ 2,540.00
 BUDGET TOTAL		 \$14,051.00

The Secretary Treasurer interprets the above to mean that the balance in the savings account will not have to be disturbed during the 1972-73 year. The Journal Editor's office has \$691.68 on hand to cover office operating expense for the year. The report was accepted.

3. As of July 6, 1972 we have a roster of 924 names of which 831 have paid their 1972 dues. Eleven have asked for inactive status during the 1972 year. A membership roster is being printed now and is being distributed along with this report to all who have paid 1972 dues. Eighty-two previous members have not responded to any of the four statements sent by the date of the writing of this document.
4. The Election Committee, consisting of Paul DeHart Hurd, Chairman; Lee A. Dallas, John Schaff, Silas Shirner, submitted the names of candidates elected to office in the 1972 election:

For President:	Wayne Welch
For Board Members:	Mary Budd Rowe Paul Westmeyer

A total of 420 ballots were cast. Of this number 23 people did not vote a full ballot. These were distributed as follows:

- 12 did not vote for president
- 9 voted for only one board member
- 1 voted for no board members
- 1 wrote in an ineligible name

Incomplete ballots were counted for whatever names were marked. Five ballots arrived too late to count, although the deadline was extended two weeks. The ballots have been saved should anyone desire a recount.

5. Reports were received from the Editorial Board, Cooperative Committee on the Teaching of Science and Mathematics, AAAS Council Action, New Members Committee, and the Program Committee for the Chicago Meeting. These reports were also presented to the business meeting of members at 11:00 AM on April 5. Summaries of reports thought to be of general interest appear elsewhere in this Newsletter.
6. Willard Jacobson reported on a request from India that we establish an informal relation with an Association for Research in Science Instruction which they are forming. President Lockard was instructed to establish a committee to make a recommendation for appropriate action to the president.

The meeting of the Board was adjourned at 10:15 AM

Report of the Annual Business Meeting
11:15 AM, Wednesday, April 5, 1972

President Frank X. Sutman called the meeting which was attended by approximately 185 persons. He called in turn for reports of the Secretary-Treasurer, the Editorial Board, the NARST representative on the Cooperative Committee on the Teaching of Science and Mathematics, the Committee on Environmental Science, the Program Committee, and the New Members Committee. Condensed forms of these reports, with the exception of the report of the Cooperative Committee Representative, appear elsewhere in this mailing or have been mailed to all who were members April 1, 1972.

Dr. Marvin Druger, Coordinator of Newsletter and Placement made a plea for items of news evolving from the activities of our members. Send information of interest to:

Dr. Marvin Druger
Biology and Science Education
800 Biological Research Laboratories
Syracuse University
Syracuse, New York 13210

Dr. Sutman concluded the meeting by a statement of appreciation to members and officers of the Association and by passing the office of President to J. David Lockard who, after a statement of goals for 1972-73, adjourned the meeting.

Minutes of the Meeting of the NARST Board
April 6, 1972

President Lockard expressed appreciation of the work of the previous Board and especially to retiring members Dr. Paul DeHart Hurd, Dr. Matthew Bruce and Dr. Leslie Trowbridge. He welcomed Dr. Wayne Welch, President-Elect, and Drs. Mary Budd Rowe and Paul Westmeyer as new Board members. Nine of the twelve Board members were present for the meeting.

1. The financial report, which was distributed to the Board at its April 4 meeting and posted in the Registration area, was approved. This appears in slightly abbreviated form in the minutes of the April 4 meeting.
2. In the discussion of the new budget, the following decisions were made:
 - a) A NARST member is to be appointed to the Cooperative Committee on the Teaching of Science and Mathematics with expenses up to \$150 to be reimbursed by NARST for participation in the meetings of the Committee for the 1972-73 year.
 - b) A NARST membership directory is to be printed and delivered to all NARST members for the 1972 year. It will come to members punched for a 3-ring notebook to facilitate keeping it up to date. This directory is for the personal use of members as a reference and is, under no circumstances, to be used to provide address lists.

Pressure-sensitive labels with the addresses of all NARST members (zip code or alphabetical order) are available to members at \$20 per set and to non-members at \$40 per set. These may be obtained from the Secretary-Treasurer who was given jurisdiction as to the uses for which the labels would be sold.

- c) All new members who have joined for 1972 or who will join NARST in the future are to receive a copy of the NARST Constitution and By-Laws.

- d) The recommendation of the Editorial Board relative to the fee for the privilege of reprinting articles was approved by the Board. The following sliding scale was adopted:

First Article	\$100
Second Article	70
Third and Subsequent Articles	40 (each)

All fees are to be assessed and received by the Secretary-Treasurer of NARST.

- e) The budget as published was approved in principle.

3. Future Meetings:

1973 Meeting, The Detroit Hilton, Detroit, Michigan, March 27-29
(Adjacent to NSTA Meeting).

1974 Meeting, The Sheraton-Blackstone, Chicago, Illinois, April 16-18
(at time of AERA meeting).

4. Program Committee for 1973:

Chairman, Wayne W. Welch, President-Elect, and Judy C. Egelston,
David F. Engelhardt, James J. Gallagher, Stanley L. Helgeson,
Eugene C. Lee and Richard L. Sagness.

David Engelhardt is to organize a symposium and a group of possibly six persons with common research interest will carry on a discussion generated by their research and particularly those areas covered in the past year or two. These components are expected to be added to the 1972 meeting format.

Dr. Welch mailed in April a questionnaire seeking suggestions for the 1973 meeting format. This was mailed to a random sample of 100 persons who attended the Chicago meeting.

This Newsletter announces the forthcoming official call for papers that will come to members by first class mail in the last half of Sept. The deadline for submitting titles and abstracts is October 15, 1972.

5. All Newsletters during this year will be mailed from the office of the Secretary-Treasurer.

6. Election Committee:

Frank X. Sutman, Immediate Past President, is Chairman of the Nominating and Elections Committee. Other members are: Dr. Patricia E. Blosser and Dr. Edwin B. Kurtz.

Elsewhere in this Newsletter Dr. Sutman has placed a memorandum describing the duties of the offices to which paid members may be elected as well as a "1973 Elections Nomination Petition."

The structure of the Nominating Committee is to be one of the concerns of the Policy Advisory Committee referred to in the last item of the Minutes.

7. Relationship of NARST and JRST Boards and Editorial Policy:

- a) The NARST Publications Advisory Board which has not existed recently is to be reinstated. The JRST Editorial Board nominates replacements for those going off the Board to the NARST Executive Board, who have the last say as to appointments of JRST Editorial Board members. At present there is no specified time for service on the Editorial Board. It was suggested that Editorial Board members be appointed for specified terms, thus giving the membership, through its elected Executive Board, a direct input into the selection of Editorial Board members. A major concern would be the maintenance of a distribution of kinds of research competencies. A prime function of the Board is to criticize and examine manuscripts. It was suggested that members of NARST should be encouraged to suggest candidates for Editorial Board positions.

It was also suggested that the number of reviewers of manuscripts be increased in order to decrease the time lag between submission of and action on an article.

It was further suggested that the criteria for the selection of articles be made clearer to members.

President Lockard emphasized:

- 1) More effective communication must be established with the Editorial Board.
 - 2) The matter of the term of office for Editorial Board members should be resolved.
 - 3) There is a need to formalize the policy in the By-Laws.
 - 4) The Publications Committee specified by the By-Laws must be re-established.
 - 5) Editorial policy will be stated in a forthcoming Newsletter.
 - 6) Members are to suggest nominees for the Editorial Board as vacancies occur. The research proficiency of the retiring and newly-elected member of the Board should correspond.
- b) The discussion of the renewal of contract with Wiley for the publication of JRST was placed in the hands of President Lockard and Editor Anderson. Our previous contract has expired although we continue to operate under it. It is hoped that our present arrangement can be formalized.

8. Environmental Education Committee - Status and Recommendations:

It is recommended that any or all of the following be developed by the Committee within 2 years or less:

- a) Recruit members to assist in designing guidelines for the role of environmental education in 1) elementary schools, 2) secondary schools, and 3) colleges.
- b) Determine what studies or surveys are available that indicate what environmental science is being taught in the schools and colleges.

- c) Based upon item (b), suggest to graduate students the need for such studies or obtain NARST members who are willing to conduct such surveys or studies as members of sub-committees.

Board Comment:

- a) The committee should have a role other than just dissemination.
- b) The committee should make suggestions as to what role NARST should assume.
- c) There was opposition to continuing the committee to deal with item (a). It was thought that NARST should concentrate on research aspects rather than teacher training aspects.
- d) Recommendation (c) should be emphasized and is to be referred to the NARST Research Committee.
- e) The Committee on Environmental Education was discharged with thanks and a compliment on having completed their work so effectively.

9. New Members Committee Report:

This report in its complete form was mailed by Past President Sutman to all members in April. The name of the committee was changed to Newer Member's Concerns Committee. It was continued as an ad hoc committee for another year. Following their Tuesday evening meeting of New Members, the committee emphasized the following recommendations from their full report:

- a) That the Association broaden its goals from fostering and disseminating research information to sponsoring and coordinating research.
- b) That the Association develop regional research task forces for applied research. These task forces should involve universities and colleges, public and private education, and educational industry in a combined effort to provide information for decision-making at the practical level of education.
- c) That the name of the New Members Committee be changed to the Newer Members Concerns Committee.
- d) That the Newer Members Concerns Committee be established as a permanent committee of eight members and the chairman be appointed by the President. It is further recommended that two members of the past committee be reappointed each year with the chairman selecting five new members from those expressing an interest.
- e) That a Coordinations Committee be established to provide more effective liaison with other educational research and science organizations with the intent of establishing combined efforts in areas of mutual interest (journal, meetings, research), e.g. NSTA, AETS and NSSA.
- f) That consideration be given to regional meetings in conjunction with other regionally organized education associations, e.g. NSTA and AETS.

g) In order to help obtain additional revenue to carry on the work of the Association, it is recommended that:

- 1) the Association seek federal funds under its sponsorship of defined research projects.
- 2) an effort be made to secure funds in cooperation with educational industry and public education for Association-sponsored research of direct benefit to those concerned.

It was pointed out that our present governing rules do not permit making this committee a permanent committee. The thought was expressed that if all the committees suggested in these minutes come into being there may no longer be a need for the Newer Members Concerns Committee. The Newer Members Concerns Committee now recognize that some of their recommendations are already being carried out quite well.

The action to continue the Committee for another year should be construed to mean that the NARST Board very much appreciated their work but is not ready at this time to endorse all their recommendations. Thus, although the report was accepted, action on the specific recommendations is in the future.

10. The Board asked President Lockard to appoint a Policy Advisory Committee to deal with needed revisions in the By-Laws. Also a subcommittee of the Policy Committee is asked to consider the recommendations in the report of the Newer Members Concerns (Ad Hoc) Committee. Also, a subcommittee should be appointed to determine means of implementing the request to associate with science education researchers in India. It was also suggested that the Policy Committee, as it deals with revision of the By-Laws, concern itself with developing a membership status for retired members of NARST.

Adjournment came at about 11:30 AM.

ANNOUNCEMENTS

This Newsletter is being sent to all persons who were members in 1971. All who have paid 1972 dues will also receive the Membership Directory updated to August 23, 1972. All persons who receive the Directory should be receiving the Journal. Numbers 1 and 2 of Volume 9 have been distributed. Please report any errors or problems to the Secretary-Treasurer.

NEWS OF MEMBERS

H. Prentice Baptiste, Jr., formerly Assistant Professor of Education at Indiana University of South Bend is now Associate Professor of Curriculum and Instruction at the University of Houston in Texas. His area of emphasis is in science education and multi-cultural courses.

J. Myron Atkins, Dean of the School of Education at the University of Illinois has, because of the pressure of duties, resigned from the Executive Board. Dr. Tom Grgurich, Chairman of the Newer Members Concerns Committee has been appointed by President Lockard to fill the unexpired term of Myron Atkin.

1973 NARST ANNUAL MEETING

It's never too early to think ahead and plan for next year's meeting. The NARST Annual Meeting will be held March 27-29 at the Detroit Hilton Hotel. We hope to exceed the fine attendance at the 1972 meeting. Plan to be there and bring a colleague.

NOMINATIONS FOR NARST OFFICERS

Nominations are being sought for President Elect, Secretary-Treasurer, and two members of the Executive Board. Any NARST member wishing to be considered for any office, or who wishes to make a nomination, should have the petition form in this newsletter completed and sent to Frank Sutman. The terms of the elected officers will begin at the end of the 1973 Convention.

ABSTRACTS AVAILABLE FOR PURCHASE

Copies of Abstracts of Papers presented at the 1972 NARST Meeting may be purchased for \$3 per copy. Send your request to: Prof. Ralph Lefler, Physics Department, Purdue University, Lafayette, IN 47907.

HELPHELPHELP

The individual whose signature is shown below joined NARST at the Chicago Meeting without giving an address. He has paid his dues for 1972. Please help the Secy-Treas locate him so that we can send membership materials and the Journal

Y. Gallentine *Genz*
 Last First

NARST DIRECTORY BEING PREPARED

A Directory of NARST members has been compiled and a copy is enclosed for each NARST member. The Directory contains the names and addresses of current members. A copy of the NARST Constitution and By-Laws will be sent early in the Fall to all new members and any members requesting same.

PREPARE YOUR PAPER NOW

An official call for papers for the 1973 Annual NARST Meeting will be forthcoming as a special NARST mailing about Sept. 1. Deadline for paper submission will be Oct. 15. We hope you are thinking ahead in this regard and will offer to present a paper next year. Usually, there is a rush at the deadline date. We hope to get an early start this year so the program planning can be accelerated. Your cooperation in this regard will be very much appreciated by the Program Committee.

NARST MAILING LABELS

A printed pressure set of mailing labels with the names & addresses of all NARST members can be purchased for \$20 @ by members and \$40 @ by non-members. Labels will be sold only for mailing of materials that are determined to be of benefit to NARST members. If you wish to purchase the labels, write to Ralph Lefler, Physics Dept., Purdue University, Lafayette, IN 47907 and indicate the intended use of the labels.

NEW MEMBERSHIP DRIVE

NARST is seeking new members. The NARST constitution specifies that the membership shall be drawn from those active in research in science education and those outstanding in science educational leadership such as teachers, supervisors and curriculum developers. Associate membership is available to students and to all persons who want to support the purposes of the organization. Associate members receive all publications of NARST but do not have voting privileges. They may participate fully in all meetings of the Association and are eligible for full membership upon completing the doctorate. If you know of individuals eligible to join NARST, please encourage them to do so. Application forms may be obtained from Prof. Ralph Lefler, Dept. of Physics, Purdue University, Lafayette, IN 47907.

REPORT OF COMMITTEE ON ENVIRONMENTAL EDUCATION

Dr. Nathan S. Washton and Dr. Kenneth Jerkins presented the following recommendations to the Executive Board of NARST at the 1972 Annual Meeting:

- 1) It is recommended that any or all of the following be developed by the committee within two years or less:
 - a) Recruit members to assist in designing guidelines for the role of environmental education in elementary schools, secondary schools, colleges.
 - b) Determine what studies or surveys are available that indicate what environmental science is being taught in the schools and colleges.
 - c) Based upon item (b), suggest to graduate students the need for such studies or obtain NARST members who are willing to conduct such surveys or studies as members of sub-committees.
 - 2) The findings of this committee should either be published in JRST, or as a monograph issued by NARST, or recommended publisher.
 - 3) The Executive Board should indicate which of the above items should be the concern of the committee if it is to remain and function.
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EDITORIAL BOARD REPORT

Dr. O. Roger Anderson, Editor of JRST, has submitted the following report for dissemination to NARST members:

- 1) Disposition of manuscripts received during 1971:

Total Received	116
Accepted	37
In Review	26
Returned for Revision	16
Rejected	33
 - 2) The Editorial Board receives manuscripts for reviews that contain research studies of a descriptive, analytic or theoretical-quantitative kind. The quality of the reported research is the major criterion in deciding the acceptability of the manuscript. Review articles that bring unique insight into a compilation of previous research are also accepted.
 - 3) The composition of the Editorial Board reflects certain competencies of research interests within the large domain of science education research. New members are selected first in relation to their competency and secondarily in terms of the need for balance in representation of geographic region and years of membership in NARST.
 - 4) A special issue is being planned for JRST next year. Robert Bridgham has been designated to compile it on the theme of continuing research in science education.
 - 5) To encourage the production of a manuscript on the scholarly analysis of science education research as it applies to classroom practice, a series of editorials will be published on this topic.
- A monograph will be entertained for publication when sufficient manuscripts of substantial quality are received.
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INTERNATIONAL SCIENCE EDUCATION RESEARCH

Dr. Willard Jacobson reports that he received a letter from Mr. W. Vaidye, Reader in Education at the Regional College of Education at Ajmer in Rajasthan, India which mentions the organization of an Association for Research in Science Education. An informal relationship with NARST is sought and they would like the names and addresses of persons in various areas of science education with whom they can correspond. If you are interested in establishing relationships with colleagues in India, write to Dr. Willard Jacobson, Teachers College, Columbia University, New York 10027.

NEW APPOINTMENTS

Our NARST President, Dave Lockard, will spend this Fall semester on sabbatical leave working with the Division of Science Teaching of UNESCO in Paris. His Maryland University secretaries will be forwarding your correspondence to him for his prompt action.

President Lockard has appointed Dr. Wayne Taylor to membership on the Cooperative Committee on the Teaching of Science and Mathematics. Dr. Taylor is also Treasurer of the Cooperative Committee.

NARST Vice President Wayne W. Welch will serve from Sept. 1, 1972 to Sept. 1, 1973 as Associate Program Director in the Academic Year Study Program at the National Science Foundation. The Academic Year Study Program is part of the Division of Precollege Education in Science. Dr. Welch is on leave from his position as Assistant Dean of Education at the University of Minnesota. In the NSF he will be primarily concerned with developing evaluation guidelines for various educational projects such as Academic Year Institutes and the new comprehensive program. His address for one year following Sept. 1, 1972 will be National Science Foundation, 5225 Wisconsin Ave., N.W., Washington D.C. 20550.

Dr. Mary Budd Rowe has joined the Staff of the College of Education, University of Florida, effective September 1972.

MEMBERSHIP NEWS NOTES WANTED

You are probably doing many things that would be of interest to other NARST members. Why keep them a secret? Please let others know what you are up to. Send the information to:

Dr. Marvin Druger
800 Biological Research Laboratories
Syracuse University
Syracuse, New York 13210

PERSONNEL SEEKING EMPLOYMENT

Name: Lloyd L. Darrow, 5024 Pinkney Street,
Omaha, Nebraska 68104
Home Phone: (402) 453-6959
School Phone: (402) 451-4400

Degree: M.S. 1952; D.Ed. August 1972, at
University of Nebraska at Lincoln.

Type of Position Desired:

College/University Teaching in any
of these areas:

Science Methods (K-12) Biology and
Physical Sciences

Methods: Supervision of Student
Teaching

General Biology/Genetics

Out-door Education/Environment Science

Experience:

Full Time: 20 years high school

Biology; 3 years high school

Chemistry

Part Time: 2 years college science

consultant; 1 year and 2 summers

college biology; 3 years college

genetics; 1 year college secondary

science methods; 1 year elementary

science methods.

Research in Science Teacher

Characteristics (Dissertation)

M E M O R A N D U M

April 18, 1972

TO: NARST Members

FROM: Frank X. Sutman, Chairman, Nominations and Elections Committee,
Dr. Patricia Blosser and Dr. Edwin Kurtz

NARST is seeking nominations for the following four officers whose terms will begin at the end of the 1973 convention.

President Elect
Secretary-Treasurer
Members of the Executive Board (two)

A petition form is attached for those paid members wishing to be considered for any one of these positions. Signed petitions should be sent to me at 341 Ritter Hall, Temple University, Philadelphia, Pa. 19122, before November 1, 1972.

Any person to be nominated for President Elect must have been a former member of the Executive Board. He or she serves as Chairman of the Program Committee during the first year of office; as President the second year, and as Chairman of the Nominations and Elections Committee and ex officio member of the Policy Committee during the third year.

The Secretary-Treasurer serves for a three-year period with the possibility of a second three-year term. Any member nominated for this office must have ready access to computer facilities and secretarial help. This person must be able to make appropriate arrangements for auditing and banking. The position requires a varying commitment of time from 30 hours per week for several weeks during collection of dues, preparation for the annual meeting, and the preparation and mailing of Newsletters and Programs to possibly five hours per week in the period July-October. The above estimate of time would include that of a secretary. The nominee must be able to attend the annual meetings of NARST, a five-day commitment, to handle the business of the meeting. The position is unsalaried; however, an allocation of approximately \$2000 per year has been provided for expenses related to the Secretary-Treasurer's activities. It must be reiterated that the office requires a considerable time commitment.

Each board member serves a term of three years. If elected to this position, a person spends about 5 or 6 hours in board meetings at each national convention with the possibility of attending meetings a day or two during the year. Board members respond to problems of the organization by mail and they may serve on the convention Program Committee at least once during their term of office.

FXS/cc

National Association for Research in Science Teaching

1973 Elections

Nomination Petition

We, the undersigned NARST members, nominate _____

(Full Address)

for the office of _____. We have determined that the nominee is a member of NARST and will accept the office for which he is nominated if elected.

A minimum of 10 valid signatures required.

	<u>Name</u>	<u>Address</u>
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		

Mail petition to: Frank X. Sutman, Chairman, 1973 NARST Election Committee, 341 Ritter Hall, Temple University, Philadelphia, Pennsylvania 19122.

NOTE: The NARST constitution requires that all petitions be received by the Election Committee at least 4 months prior to the Annual Meeting.