



NARST

Newsletter

NEWSLETTER OF THE NATIONAL ASSOCIATION FOR RESEARCH IN SCIENCE TEACHING

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Spring 1971

The NARST National Meeting for 1971 is history. and 470 participants, the largest attendance ever, left Silver Spring with abstracts of research papers, symposia, and special reports organized and distributed by the Science Education ERIC Center, at Ohio State. Those members not listed in this Newsletter will receive the abstracts within the near future. This issue of the Newsletter reports the convention activities and the actions taken by the Executive Board at its two meetings held in Silver Spring. The activities are reported here through a Draft Meeting Summary, and through copies of recent correspondence growing out of the meeting activities.

A
MESSAGE

As President of NARST I extend to our approximately 1,000 members sincerest warm wishes, and I ask continued success to each of you in your science education activities. Our organization continues to grow, to become healthier, and to serve as a potentially strong agent for useful educational reform through the important contributions of each one of you.

Frank X. Sutman

NARST
BOARD
MEETING
SUMMARY

MARCH 22 and
25, 1971

1. Financial reports for three periods of time going back to 1968 were presented. The President asked Dudley Herron and David Lockard to reorganize these reports and to develop a series of meaningful sub-categories for future budgets. He also asked that a printed financial statement for the 1970 year be prepared for distribution at the business meeting. That financial statement is attached. The President also asked Dudley Herron, Wayne Welch, and Eugene Lee to serve as an audit committee to examine the report for the 1970 calendar year. This report is attached. Wayne Taylor offered his resignation as Secretary-Treasurer. The Board accepted his resignation, but with deep gratitude for four years of service to NARST. The possibility of Ralph Lefler serving as Secretary-Treasurer was considered; and after lengthy discussion with Ralph, present at the second Board meeting his appointment was approved. He will complete the two years left in the present term.

2. The Nominations and Elections Committee reported the results of the recent election. The results follow:

President Elect - David Lockard

Research Coordinator - Stan Helgeson

Board Members - Ronald Anderson (1974)

Matthew Bruce (1972)

Eugene Lee (1974)

Leslie Trowbridge (1972)

Note was made that a President Elect and two Board members must be voted for this year. Paul Hurd will chair the nominations and Elections Committee this year. Thanks to Willard Jacobson and his Committee for the job done this year.

3. Bob Howe, Research Coordinator, recommended that research abstracts be prepared each year, rather than biennially. He also reported that ERIC pays honoraria to the main general session speakers if they submit their papers to the ERIC - SMAC Center. Last year two of the three speakers did so. (For 1971 one paper, to date, has been submitted through Frank Sutman. The other two papers are to be submitted. Honoraria, this year, will be \$300. The Board supported the recommendation that a Manpower Study should not be funded by NARST at this time since under present

circumstances there is little value in developing a study to predict job needs and opportunities.

4. Addition to NARST letterhead of the name of the Journ Editor, the Newsletter Coordinator, and the expiration date for each board member was approved.

5. Roger Anderson reported changes in the JRST Editorial Board staff. Stephen Winter and Sidney Rosen complete their terms on the Board. Maurice Bellanger and Robert Bridgham of Stanford University join the Board as Associate Editors. Maurice will be in charge of book reviews. A charge of \$100 per article from JRST to be printed in book of readings, etc. was approved.

6. Approval to hold the 1972 Convention in Chicago overlapping with AERA, April 6-9, 1972, was given. The NARST meeting must be held on April 3-5, 1972 because of conflict with the NSTA meeting. A later meeting of the Board was held to approve this change. (Remember NARST, April 3-5, 1972 Sheraton Blackstone Hotel, Chicago, Illinois, concurrently with AERA). The approval is in agreement with the policy set by the Board last year: to meet with AERA on alternate years and with NSTA on the other alternate years. The hotel site of the meeting has been changed from the Chicago Sheraton to the Sheraton Blackstone. In 1973 the dates of the convention will be March 27-30. (NSTA meets March 30 to April 3.) Wayne Taylor will complete hotel arrangements in Chicago for 1972, and Ralph Lefler will begin to consider arrangements for the 1973 meeting in Detroit.

7. Marvin Druger was named to serve as NARST Newsletter Coordinator. All Newsletter items should be sent to Marv at Syracuse University. He will be editor for the late spring Newsletter. The President, Frank Sutman, will serve as Editor for the spring Newsletter following the meeting, and the President Elect, Dave Lockard, will serve as editor for the summer Newsletter (including the call for papers) and the preconvention Newsletter, (in the winter) giving a preview of the convention program. This year (1971) Frank Sutman, through ERIC, sent out a preliminary program prior to the convention as the winter Newsletter.

The Board recommended that a sheet be distributed with each Newsletter asking for items of news about members to be included in the following Newsletter. ERIC will continue to distribute the Newsletter.

8. Five of the six members of next year's Program Committee were named. These are: Henry Walbasser, Wayne Welch, Matthew Bruce, Stan Helgeson, and of course Dave Lockard. Dave will announce the sixth member, officially, at a later date.

9. Three members were recommended for the Nominations Committee: Lee Dalles, John Schaff, and Silas Schirner. Paul Hurd will make appointments official at a later date.

10. Newer (younger?) members of NARST indicated a desire for input to the organization. The Board approved a request to have the President appoint

an ad hoc Committee for this purpose. Thomas Grgurich of the Cherry Hill (N.J.) School District has agreed to serve as chairman of this Committee. He will be contacting interested new members; and any member is invited to contact Tom at the Cherry Hill East High School. The Committee will submit its recommendations to the Board. We are hoping for some valuable input from our newer members.

11. The following members attended the March 25, 1971 board meeting: Vaden Miles, Ted Kellogg, James Okey, Betsy Conlon, Paul Beisenherz, Roger Lewis, Elizabeth Woodward.

March 31, 1971

TO: Chairman of Sessions at the NARST 1971 Meetings
 FROM: Frank X. Sutman, NARST President

I know you will forgive this memo form as my means of expressing gratitude to you for helping out at the recent NARST convention. Without your help the meeting would have been doomed to failure. With your support the meeting succeeded, and with the largest registration ever. I hope we can continue to call upon you for service to NARST.

Kindest personal regards.

FXS/jvb

A VOTE
 OF
 THANKS

REGISTERED

Abbott, Jane R.	Cornell Univ.	Dallas, Lee A.	West.Wash.St. Col.
Abraham, C. T.	Maryland Univ.	Davis, Alice M.	Temple Univ.
Adhikary, Porna Kanta	Indiana Univ.	DeLucia, William	East Syracuse Schools
Adragana, C. Michael	N.Y.U.	DeMarte, Patrick	S.U.C./Geneseo
Agin, Michael L.	Mich. Tech Univ	Doran, Rodney L.	SUNY/Buffalo
Alba De Gonzalez, Yolanda	Padagogic Inst./Venezuela	Dowling, Kenneth W	Wis.Dept.of Pub. Inst
Albright, James	Syracuse Univ.	Druger, Marvin	Syracuse Univ.
Alexander, Donald	W. Virginia Univ.	Echols, Jr, John C	Univ. of Penn.
Allen, David W.	Phil. Sch. Syst.	Eiss, Albert F.	NSFA
Allenstein, Richard V.	Nō. Mich. Univ.	Even, Alexander	OISE
Altieri, Donald P.	Univ. of Fla.	Fagan, Raymond B.	Middlesex City, N .J
Anderson, Harold M.	Univ. of Col.	Fast, Kenneth V.	Univ. of Md.
Arnesen, James F.	Univ. of Iowa	Feerst, Frances	Massapequa Park, N.Y.
Ault, Frederick K.	Ball St. Univ.	Felen, Barbara K.	Univ. of Pgh.
Baggerly, Leo L.	NSF Wash. D.C.	Flehinger, Lenore	Lehman Col.
Balzer, Levon	West Wash. St. Col	Fraser, Thomas P.	Morgan St. Col.
Banifaldi, James	Univ. of Md.	Friedman, Gerald	Cornell Univ.
Barker, Robert H.	E. Kentucky Univ.	Funk, Harold J.	Indiana Univ.
Bashook, Philip G.	Univ. of Illinois	Gadsden, Thomas	Univ. of Fla.
Bell, Paul E.	Penn. St. Univ.	Gale, Calvin W.	Mich Tech. Univ.
Bethel. Lowell J.	Univ. of Penn.	Gallagher, James	Governors St. Univ.
Blankenship, Jacob W.	Univ. of Houston	Gallentine, Jerry	N.W.M.S.C., No.
Blessing, Leonard C.	Millburn H.S.	Gardenr, Louis A.	Univ. of Texas/Austin
Blosser, Patricia E.	Ohio St. Univ.	Gatta, Louis A.	Univ. of Iowa
Boyd, Sis. M. Eunice	St. Joseph's Col.	Geiger, H. Bruce	Tamaqua Sch. Syst. Pa
Breit, Frank D.	Univ. of So. Fla.	Genova, Sam	Univ. of Md.
Brovey, Daniel J.	Queens Col.	Giese, Ronald N.	Lock Haven St. Col.
Brown, Donald J.	Univ. of Iowa	Glass, Lynn W.	Dept.of Pub.Inst.Iowa
Brown, Dorothy	Univ. of Penn.	Godomsky, Stephen	Univ. of Maine
Brown, Erwin E.	Univ. of Iowa	Green, Richard A.	Rhode Island Col.
Bruce, Matthew H.	Temple Univ.	Grobman, Hulda	N.Y.U.
Bryant, Napoleon, Jr.	Xavier Univ.	Gudaitis, Donald J.	Westfield Bd. of Ed
Burchett, Betty M.	Indiana Univ.	Hale, James P.	Univ. of Iowa
Butts, Dave	Univ. of Texas/Austin	Hall, Gene E.	Univ. of Texas/Austin
Byron, Sr., Cyril O.	Coppin St. Col.	Haney, Richard E.	Univ. of Wisc./Milw.
Caldwell, Harrie E.	Wilkes Col.	Hartman, Dean D.	Univ. of Wisc.
Campbell, James R.	Univ. of Penn.	Hassard, John R.	Georgia St. Univ
Carey, Russell L.	Univ. of Georgia	Hearle, Robert J.	Univ. of Md.
Cheong, Siew-Yoony	Univ. of Texas/Austin	Heillinen, Henry W.	Univ. of Md.
Chiappatta, Eugene L.	Syracuse Univ.	Helgeson, Stanley	Ohio St. Univ.
Clark, Sis Loretto A.	Univ. of Md.	Henkel, E. Thomas	Wagner
Cleminson, Ronald W.	Memphis St. Univ.	Herring, Lewis H.	W. Virginia Univ.
Cohen, Martin A.	Hicksville H.S., N.Y.	Hockett, John C.	Fla. St. Univ.
Cohen, Michael R.	Indiana U. Prudue U.	Holkeboer, Paul	W. Michigan Univ.
Collea, Francis P.	Cal. State	Holobinko, Paul	Ed.Res.Cnsl. of Amer.
Colton, Ted	Georgia St. Univ.	Horn, Jerry G.	Univ. of So. Dakota
Conlon, Betsy A.	Fla. St. Univ.	Hurd, Paul Deh.	Stanford Univ.
Cook, Harold A.	W. Virginia Univ.	Irwin, R. Scott	Kansas St. Tchrs. Col
Costa, Joseph J.	Indiana Univ. of Penn.	Ivany, J.W.	Teachers Col,N.Y.
Craven, Gene F.	Oregon St. Univ.	Jacobson, Willard	Columbia Univ.
Cross, Whitman	Temple Univ.	Janke, Delmar L.	Texas A&M
Czirr, John E.	Syracuse Univ.	Jenkins, Edward S.	So. Univ., Baton Rouge
Dahl, Robert E.	N.Y.U.	Johnson, Robert W.	Towson St. Col.
Daley, Robert B	Dewitt Cent. Schools	Jones, Paul L	Memphis St. Univ.

Karplus, Robert	Univ. of Cal./Berkley	Olstad, Roger G.	Univ. of Wash.
Kassih, Moh'd B.	Univ. of Wisc.	Palmer, Glenn A.	Univ. of Wisc.
Kellogg, Ted	Univ. of Rhode Island	Pealer, Donald G.	Ed.Res.Cnsl.Of America
Klopfer, Leopold E.	Univ. of Chi.	Podrasky, Edward F.	State Col.H.S./State Col.P.
Knapp, John A.	W. Michigan Univ.	Poel, Robert H.	W. Michigan Univ.
Knorr, Dave	So.Cent.Elem Math-Sci.ProKS	Price, James H.	W. Michigan Univ.
Konetski, Louis C.	Morgan St. Col.	Prince, Fred L.	Univ. of Houston
Koran, John J. Jr.	Univ. of Texas/Austin	Prusso, Kenneth W.	Philadel. Schools
Korth, Willard W.	Univ. of Pgh.	Ranson, Wayne E.	Temple Univ.
Krafchik, Richard S.	Prince Georges Pub.Sch./Md	Raun, Chester E.	Temple Univ.
Kranzer, Herman C.	Univ. of W. Fla.	Raven, Ronald J.	SUNY/Buffalo
Kuhn, David J.	Mankato St. Col.	Reed, George F.	West Chester St. Col.
Kurnas, Salim S.	Univ. of Wisc.	Reed, Jack A.	Univ. of Wisc.
Lane, Ernest L.	Brooker T. Wash, H.S. /Va.	Reggio-Moreno, C.	Ministry of Ed, Caracas, Ven:
LaRue, Charles J.	Paint Branch H.S./Md.	Rezba, Richard J.	Indiana Univ.
Latham, James W.	Md.St. Dept.of Ed.	Rivers, Robert H.	Fla.St. Univ.
Layman, John W.	Univ. of Md.	Rodriguez, Ismael J.	Ministry of Ed, Caracas, Venez
Lee, Wugene C.	Emory Univ.	Rogers, Robert E.	Queens Col.
Lewis, Roger D.	Fla. St. Univ.	Rondeau, Arthur E.	Univ. of Md.
Lockard J. David	Univ. of Md.	Rosen, Richard F.	Univ. of Md.
Lucas, Arthur M.	Ohio St. Univ./Erie	Ruszczuk, Edward R.	N.Y.U.
Lyons, Kathleen P.	Indiana Univ.	Sagness, Richard L.	Univ. of So.Dakota
McClure, Sherman L.	Mount Hood Comm. Co.	Sandoval, Amado J.	Univ. of Md.
McDuffie, Thomas E.	Temple Univ.	Schafer, Larry E.	Syracuse Univ.
McGlathery, Glenn E.	Univ. of Col.	Schaff, John F.	Syracuse Univ.
McNair, E. Wesley	Fla. St. Univ.	Schirner, Silas W	Univ. of Houston
MacKnight, F.C.	SUNY/Buffalo	Schmidt, Donald J	Fitchburg St. Col.
Mago, Hildemaro R.	Pagagogic Inst./Ven	Schmuckler, Joseph	Temple Univ.
Mandelare, John J.	Oregon Col.of Ed	Schneider, Joseph H	St. Francis Co
Marjamaa, Susan M.	Univ. of Texas/Austin	Schoener, Richard	BFA Ed.Media/S.M., Cal.
Mason, John M.	Michigan St. Univ.	Shafer, John R.	W.Irondequoit Sch.Dist.N.Y.
Mayer, Victor J.	Ohio St. Univ.	Sharp, William L	Columbia Univ.
Meade, Roland L.	W. Michigan Univ.	Shell, William D	Auburn Univ./Alabama
Miles, Vaden W.	Wayne St. Univ.	Shields, Theodora	W. Michigan Univ.
Miller, Edward L.	Univ. of Pgh.	Shinavar, Eugene E	Univ. of Toledo
Mitchell, Robert D.	Univ. of Iowa	Showalter, Victor	Ed.Res.Cnl./Cleveland
Montague, Earl J.	Univ. of Texas/Austin	Shrum, Joan W.	Univ. of Georgia
Morgan, Ashley G.	Georgia St. Univ.	Siemro, Donna L.	Univ. of Iowa
Moriber, George	Brooklyn Col.	Sikora, Gladys D.	Finch Col.
Moser, Gene W.	Univ. of Pgh.	Smith, Frank A.	West Chester St.Col./Pa.
Mosesson, Marshall	Snapp Jr.H.S/Binghamton, N.J.	Smith, Sidney P.	Georgia St. Univ.
Mueller, Joan O.	Union-Endicott H.S./N.Y.	Snyder, William	Fla. St. Univ.
Nelson, Miles A.	Univ. of Wisc.	Sollimo, Vincent J.	Burlington City Col./N.J.
Netburn, Allan N.	N.Y.U.	Solomon, Gerard O.	W. Virginia Univ.
Neuman, Donald B.	Univ. of Milwaukee	Stafford, Donald G.	East Central St. Col.
Nevarez, Miguel A.	N.Y.U.	Stauss, Nyles G.	Univ. of Georgia
Newton, David E.	Salem St. Col./Mass.	Steiner, Robert L	Ohio St. Univ.
Nickel, John M.	Wichita St. Col.	Stevenson, Andrew	Morgan St. Col.
Norris, John T.	Univ. of Md.	Stickley, William	Case Western Reserve Univ.
Nussbaum, Joseph	Cornell Univ.	Stoess, Betty J.	E. Kentucky Univ.
Oakes, Russell C.	SUNY/Geneseo	Stroh, Ronald R.	SUNY/Buffalo
Ogden, William R.	Univ. of Wisc.	Sumathy, Kulty A.	Pandalam, Jurala, S. India
O'Hearn, George T.	Univ. of Wisc., -Green Bay	Sun, Sis. Agnes J.	Fla. St. Univ.
Okey, James R.	Indiana Univ.	Sutman, Frank X.	Temple Univ.
Oliva, Carmen I.	Univ. of Md.	Swift, J. Nathan	SUNY/Oswego

Talley, Lawrence H.	W. Virginia Univ.	Voelker, Alan M.	Univ. of Wisc./Madison
Teates, Thomas G.	Virginia Polytech	Wall, Charles A.	Univ. of Wisc./Madison
Thelen, Leverne J.	Univ. of Mass.	Walters, Louis L.	Univ. of British Columbia
Thier, Herbert D.	Univ. of Cal/Berkeley	Welch, Wayne W.	Univ. of Minnesota
Thompson, Benjamin E	Wisc. St. Univ./Eau Claire	Welliver, Paul W	Penn St. Univ,
Thompson, Ertle	Univ. of Virginia	Wenzel, E. Wesley	Univ. of Bridgeport
Thorsland, Martin N	Cornell Univ.	West, Felicia E.	Univ. of Fla.
Towsend, Charles E.	W. Michigan Univ.	Westmeyer, Paul H.	Fla. St. Univ.
Trent, John H.	Univ. of Nevada	White, Art, L.	Ohio St. Univ.
Trindade, Arnold L	Borough of Manhattan Col	Wickless, Janice L	Md. St. Dept. of Ed.
Trizeenberg, Henry J.	Nat. Union of Christian Sch.	Wideen, Marvin F.	Univ. of Col.
Troost, Cornelius J.	Univ. of Cal/Los Angeles	Williamson, Stanley	Oregon St. Univ.
Troxel, Verne S.	Miami Univ./Ohio	Winter, Stephen S	SUNY/Buffalo
Trowbridge, Leslie W	Univ. of No. Colorado	Wolfson, Morton L	John Jay Col./CUMY
Ukens, Leon	N.Y.U.	Wood, Dean A.	Temple Univ.
Vander Lugt, Farret	W. Michigan Univ.	Wood, Roger L.	Wisc. St. Univ.
VanderWal, Judson M.	W. Michigan Univ.	Woodward, Elizabeth	Augusta Col./Ga.
Van Dyke, Daniel L.	Westminster Col.	Young, Darrell D.	N.Y.S.U. at Buffalo
Vasquez, Raquel L.	Pedagogic Inst/Caracas, Vens	Youeff, Sam C.	W. Michigan Univ.

PRE-REGISTERED

Gerald Abegg	Ed. Dev. Center	Walter A. Cory, Jr	Indiana Univ.
Eugene Abraham	Temple Univ.	Diane Conradson	San Jose St. Col.
Donald K. Adams	Univ. of No. Colorado	Glenn H. Crumb	Kansas St. Teachers Col.
Hans O. Andersen	Indiana Univ.	George T. Davis	Univ. of Maine
O. Roger Anderson	Columbia Univ.	John Davison	Oak Park & River Forest
Ronald D. Anderson	Univ. of Col.	Rita T. Danny	St. Joseph's Col.
Daniel S. Arnold	Univ. of Kentucky	Maureen A. Dietz	Univ. of Md.
Thomas C. Arnold	Penn State Univ.	William S. Donaldson	Penn. St. Univ.
Ronald K. Atwood	Univ. of Kentucky	Fredric B. Dutton	Michigan St. Univ.
Gary Awkerman	Charleston Cty, Sch.	Jack Easley	Univ. of Ill.
Kenneth H. Baker	Cent. Wash. St. Col.	Thomas W. Eastman	Univ. of Md.
J. Darrell Barnard	N.Y.U.	Judy C. Egelstton	SUNY/Buffalo
C.W. Barnes	N.Y.U.	Dwight W. Ellis	Univ. of Maine
Kathryn Bean	St. Univ. Col. of N.Y	Michael Fiasca	Portland St. Univ.
Paul A. Becht	Univ. of Fla.	H. Seymour Fowler	penn St. Univ.
Paul C. Beisenherz	Univ. of Wash.	William R. Fray	Univ. of Fla.
N. Eldred Bingham	Univ. of Fla.	Carl E. Funk, Jr.	Penn St. Univ.
Richard M. Bingman	McRel	M. Galey	Temple Univ.
Glenn O. Blough	Univ. of Md.	Marjorie Gardner	Univ. of Md.
Sidney Blum	Baltimore City Sch, Md.	Irvin H. Gawley	Montclair St. Col.
Clarence Boeck	Univ. of Minn. Mpls.	Fred T. Pregger	Trenton St. Col.
A.L. Braswell	USAID	Kenneth D. George	Univ. of Penn.
Robert Bridgham	Stanford U.	Charles R. Granger	Cornell Univ.
J. Mark Brubaker	E. Mennonite Col.	Thomas J. Grgurich	Cherry Hill Sch. Sys.
R.R. Buell	Univ. of Toledo	Bernard F. Gross	Syracuse Univ.
Thomas A. Butler	Univ. of Rochester/Lincoln	Allan R. Gubrud	Lane Comm. Col.
John Butzow	Univ. of Maine	Walter G. Hagenbuch	Colonial Sch. Dist.
Roger W. Bybee	Univ. of No. Col.	Samuel A. Harding	Marymount Comp. School
William Capie	Univ. of Georgia	Alfred R. Hecht	Moraine Valley Comm. Col.
Arthur Carin	CUNY/Flushing	Stanley Henson	Arkansas Poly. Col.
Robert B. Collagan	Morgan St. Col.	J. Dudley Herron	Purdue

Kenneth M. Hibbard	Cornell Univ.	James L. Milson	Univ. of Texas, El Paso
W.J. Higham	Vestal Central Sch.	Loretta Molitor	Univ. of Penn.
C. Theophanis	Vestal Central Sch.	Richard W. Moore	Miami Univ.
N. Baker	Vestal Central Sch.	Victor Morris	Indiana Univ. Norwst.
J. Decatur	Vestal Central Sch.	Van E. Neie	Purdue Univ.
R. Harris	Vestal Central Sch.	M.E. Nyer	Univ. of Tenn.
Paul D. Hoeksema	Ferris St. Col.	John Norman	Wayne St. Univ.
Clifford A. Hofwolt	Minot St. Col.	Albert Nous	Univ. of Pitt.
William G. Holliday	Univ. of Calgary	Joseph D. Novak	Cornell Univ.
Robert W. Howe	Ohio St. Univ.	Seymour Novick	Temple Univ.
Joseph Jacobs	John Jay Col. Of Cr. Ju.	David H. Ost	Cal. St. Co./Bakersfield
Kenneth F. Jerkins	Morgan St. Col.	Joseph C. Paige	Federal City Col.
Howard L. Jones	Univ. of Houston	Dorothy Palermo	Temple Univ.
Linda Jones	San Fernando Valley St. Col.	John R. Pancella	Montgomery Cty. Pub. Sch., Md.
Paul H. Joslin	Drake Univ.	Milton O. Pella	Univ. of Wisc., Madison
Heidi Kass	Univ. of Alberta	Maria B. Penny	Univ. of Md.
Ted Kellogg	Univ. of Rhode Island	Donald G. Peterson	St. Cloud St. Col.
Robert E. Kilburn	Syracuse Univ.	Howard R. Poole, Jr	Lake Mich. Col.
Gladys S. Kleinman	Jersey City St. Col.	Mary E. Quinn	Univ. of Penn.
Carlton, W. Knight, II	Univ. of Delaware	David D. Redfield	Fla. St. Univ.
C.L. Koelsche	Univ. of Georgia	John W. Renner	Univ. of Ok.
John J. Koran, Jr.	Univ. of Texas, Austin	Donald E. Riechard	Emory Univ.
Paul G. Koutnik	McRel	Donald Ring	H.S. Dist. 214, ILL.
Leonard Krause	Temple Univ.	Richard A. Roberts	Indiana Univ. Norwst.
Rose Lammel	Wayne St. Univ.	Ryda D. Rose	Univ. of Penn.
Jeanine La Pierre	Mich. St. Univ.	John Jay Rusch	Univ. of Ok.
Jacqueline LeBlanc	Staten Island Comm Col.	Marie Savickas	Univ. of Penn.
R.W. Lefler	Purdue Univ.	Edith M. Selberg	Univ. of No. Col.
Wilfred J. Lescarbeau	Univ. of Houston	Louise A. Neal	Univ. of No. Col.
Joy S. Lindbeck	Univ. of Akron	Sidney L. Shinfeld	Northeast H.S.
William Linz	Univ. of Maine	Richard A. Shipe	Penn. St. Univ.
Joseph Lipson	U.S. Office of Ed.	J. Harvey Shutts	Minneapolis Pub. Sch.
Stephen B. Lucas	Penn St. Univ.	Irwin Siegelman	Scott, Foresman & Co.
John E. Lutz	SUNY/Oswego	Frank T. Siemankowski	SUNY/Buffalo
Alan J. McCormack	Univ. of B.C.	Richard A. Smith	San Jose St. Col.
Donald W. McCurdy	Univ. of Nebraska	Patricia M. Sparks	Temple Univ.
Robert L. Fisher	Univ. of Nebraska	Donald Steinberg	Temple Univ.
Douglas R. Macbeth	Penn St. Univ.	H. Edwin Steiner,	Univ. of So. Fla.
Dr. Vince Mahoney	Iowa Wesleyan Col.	Samuel Strauss	John Hopkins Univ.
George G. Mallinson	Wstn. Mich. Univ.	David R. Stronck	Univ. of Texas/Austin
Jacqueline V. Mallinson	Wstn. Mich. Univ.	Robert B. Sund	Univ. of No. Col.
Elizabeth J. Mallon	St. John's Univ.	Evan A. Sweetser	Virginia Poly. Inst.
Kathryn Malone	Weschester Comm. Col.	Wayne Taylor	Mich. St. Univ.
George F. Matthias	Croton-Harmon H.S.	Thomas TenHoeve	Butler Cty, Comm. Col.
Kenneth R. Mechling	Clarion St. Col.	Myrna C. Thomas	Temple Univ.
Jack Megenity	U. of Fla.	Michael Tilford	Wicita St. Univ.
Roy D. Meiller	Forest View H.S. Ill.	William Torop	St. Joseph's Col.
Robert Menefee	Univ. of Md.	George P. Toth	Penn St. Univ.
Dale G. Merkle	Shippensburg St. Col.	Eugene F. Trainor	Lexington Pbu. Schs.
Ann Merlino	Staten Island Comm. Col.	Doris A. Trojeak	Univ. of Missouri-St. Louis
Bernard E. Michals	Cal. St. Co./Bakersfield	Gilbert R. Turpin	Indiana Univ.
Beverly W. Miller	Mary Manse Col.	Gilbert Twiest	Clarion St. Col.
Robert J. Miller	Eastern Ktky. Univ.	Robert L. Uffelmann	Univ. of Delaware
Wesley Miller	Ohio St. Univ.	J.L. Underfer	Univ. of Toledo
Lester C. Mills	Ohio Univ.	R. Vanden Branden	Drake Univ.

Ian S. Walker	Univ. of Victoria, B.C. (Flinders Univ, So. Australia)	John H. Woodburn	Washington, D.C.
Charles W. Wallace	ERIE	Robert S. Yager	Univ. of Iowa
Robert C. Wallace	Reavis H.S./Ill.	John F. Yegge	Harvard Univ.
Nathan S. Washton	Queens Col.	G. Marian Young	Univ. of Fla.
Fletcher Watson	Harvard Univ.	Robert E. Ziegler	Elizabethwoen Col.
Lewin A. Wheat	Md. State Dept. of Ed.		

This 1971 meeting attendance was the largest at any NARST meeting. It would help the Program Committee for future planning to know what factors caused you to attend. Would you be good enough to rank the reasons below in order of importance and send the completed form along to Dave Lockard.

The following reasons, in rank order, indicate why I attended the NARST Silver Spring meeting. (Rank meaning 1, 2, 3, etc.)

WHY DID
YOU COME?

- Close proximity in time and place to NSTA _____
- East Coast location _____
- Presented research findings or was involved in program in some way _____
- Would attend anyway or always attended NARST _____
- Other please indicate _____

Send to:

Dr. David Lockard
 NARST Program Chairman
 Department of Science Education
 University of Maryland
 College Park, Maryland

NATIONAL ASSOCIATION FOR RESEARCH IN SCIENCE TEACHING

FINANCIAL STATEMENT

January 1, 1971

Calendar Year - January 1, 1970 to December 31, 1970

Operating Balance, January 1, 1970		968.50
Receipts:		
Membership Dues		10,530.70
Full and Associate	10,130.70	
Patrons	400.00	
Convention		1,214.80
Registrations	672.00	
Luncheon	542.80	
Journal Publication Rights		40.00
Mailing List Sales		50.00
Research Conference Overhead		1,403.64
Transfer of Funds from Savings		3,000.00
Receipts Total		<u>16,239.14</u>
TOTAL		<u>17,207.74</u>
Expenditures:		
Journal		7,956.00
Editorial Office Expense	3,000.00	
Secretarial Salary w/benefits		
Office Supplies and Postage		
John Wiley and Sons Publication costs	4,956.00	
Office of Secretary-Treasurer		2,351.07
Secretarial Salary w/benefits	1,921.93	
Office Supplies, Postage, Printing	643.25	
Computer Costs (including mailing lists)	725.89	
Convention Costs		339.42
Program Printing	218.62	
Banquet	542.30	
Audio-Visual	78.00	
Placement Service		290.35
Office Supplies and Postage		
Secretarial Services		
Newsletter		
Office Supplies and Postage	(included in office supplies	
Printing Costs	under Secretary-Treasurer)	
Officers		714.27
Ned Bingham - travel for AAAS Cooperative Com.	469.10	
Paul Hurd - office supplies	212.00	
Frank Sutman - travel for conv. arrangements	33.17	
TOTAL EXPENDITURES		<u>13,151.11</u>
Operating Balance, December 31, 1970		4,056.63
Savings Account Balance, December 31, 1970		<u>3,649.15</u>
TOTAL ASSETS, December 31, 1970		<u>\$7,705.78</u>

TO: Paul Hurd, President of NARST

FROM: Audit Committee: J. Dudley Herron, Chairman
Wayne Welch
Eugene Lee

RE: Audit of Financial Report for Calendar Year of 1970

We have examined the financial records of the National Association for Research in Science Teaching and we find the total receipts, total expenditures and net assets of the organization for the calendar year of 1970 to be in agreement with the figures presented in the financial report prepared by the Secretary-Treasurer.

The accounting procedures that have been used over the years by the present Secretary-Treasurer and his predecessor made it impossible to provide a detailed audit in the short time available to us. For example, it is difficult, if not impossible to provide information concerning the exact sums received from various sources such as interest on savings, membership dues, registration fees, banquet ticket sales, donations and sales of mailing lists and publication rights. Neither is it possible to discern exact sums spent for various purposes such as convention arrangements; office expenses of the secretary apart from office expenses of the President or Newsletter Editor or the Journal Editor; printing costs for stationery and so forth. In so far as the existing records permit such detailed break-down of receipts and expenditures, these are reflected in the financial report received.

Both the Secretary-Treasurer and the members of the audit committee recognize that the present accounting procedures are less than satisfactory. It is difficult for the membership to make decisions concerning its financial affairs unless the actual costs of the various services such as placement, newsletter publications, journal publication, and membership service can be presented separately. So long as NARST was a small organization of closely knit colleagues this problem was not acute and the existing accounting procedure of lumping receipts and expenditures into large categories was adequate and far less demanding on the Secretary-Treasurer who shoulders an enormous load with no compensation. But we are no longer a small organization.

We believe that in fairness to the membership, the accounting procedures should be modified so that ledger entries and the financial report based on those entries can be broken down into categories as indicated on the attached sheet. We believe that this would provide the organization with a reasonably accurate picture of where each dollar is being spend and enable them to make that inevitable decision of whether to cut services or to increase dues.

We also recognize that this will involve more work for the Secretary-Treasurer and that task is already enormous. We believe that the Executive Board should seriously consider separation of the offices of Secretary and Treasurer so that the load on a particular individual will be more reasonable.

Signed

J. Dudley Herron
Eugene C. Lee
Wayne W. Welch

President:

Dr. Frank X. Sutman
College of Education
Temple University
Philadelphia, Penn. 19122

Editor, Journal of Research in Science Teaching:

Dr. O. Roger Anderson
Department of Science Education
Teachers College, Columbia University
New York City, N.Y. 10027

President Elect:

Dr. J. David Lockard
Science Teaching Center
University of Maryland
College Park, Maryland 20742

Board Members:

Dr. Myron Atkin (1973)
University of Illinois, Urbana

Secretary Treasurer:

Dr. Ralph Lefler
Department of Physics
Purdue University
Lafayette, Indiana 47907

Dr. Ronald Anderson (1974)
University of Colorado, Boulder

Dr. Matthew Bruce
Temple University, Philadelphia

Immediate Past President:

Dr. Paul DeHart Hurd
School of Education
Stanford University
Stanford, California 94305

Dr. Eugene Lee (1974)
Emory University, Atlanta Ga.

Research Coordinator:

Dr. Stanley Helgeson
Department of Science Education
Ohio State University
Columbus, Ohio 43221

Dr. Roger Olstad (1973)
University of Washington, Seattle

Dr. Leslie Trowbridge (1972)
University of Northern Colorado, Greeley

Coordinator of Newsletter and Placement:

Dr. Marvin Druger
School of Education
Syracuse University
Syracuse, New York

April 1, 1971

TO: NARST Board Members

FROM: Frank X. Sutman

I take this opportunity to congratulate all of you who have recently been elected to the NARST Board and I look forward to working not only with the newly elected board members but also with those of you who have been serving prior to this year.

There are two requests that I would like to ask of all of you at this time:

1. Will you be good enough to look over the enclosed sheet entitled "NARST Letterhead Draft" and indicate any errors that you see and return the corrected copy to Ralph Lefler at Purdue University.
2. Will you be good enough to look over the "Draft Summary of the NARST Meeting" enclosed? And indicate any changes that seem appropriate to you. Send this corrected copy also to Ralph.

As soon as Ralph hears from you, he will prepare the new letterhead and will be responsible for organizing the final minutes of our two board meetings.

I plan not to wait for the revised summary of our Board meetings but will include the "Draft Summary" in the next Newsletter.

Once again I look forward to working with you this year and to your continued cooperation.

Encls.: A/s

FXS/jvb

March 31, 1971

Dr. Ned Bingham
1718 NW 10th Avenue
Gainesville, Florida 32601

Dear Ned:

AAAS
AND
NARST

At the March 25th 1971 meeting of the NARST Executive Board, the question of our Organization's role related to the AAAS Cooperative Committee was considered. We wish to let you know that we greatly appreciate the time and commitment you have given to serving as a member of the Cooperative Committee; and since the next meeting of the Cooperative Committee will be at the University of Florida, the Board assumes you will be at the meeting to represent us. Because of the tenuous future of the AAAS Committee, the Board has decided, for the fall meeting, not to support financially the Committee nor to pay expenses for you to attend. Rather the NARST Board has asked me to invite you to attend the fall meeting but at your own expense; or to have you invite an alternate, from the Washington area, to attend as a courtesy to AAAS.

I will appreciate knowing which procedure you will follow. Should you decide to send an alternate, I am including the names of several NARST members from the Washington area.

Kindest personal regards,

Frank X. Sutman
President, NARST

FXS/jvb

March 31, 1971

To: Nathan Washton and Kenneth Jerkins

From: Frank X. Sutman, President, NARST

At the March 25th 1971 meeting of the NARST Executive Board, the officers requested me to ask you both if you would serve as the nucleus of an informal ad hoc committee to consider the role of NARST in the area of environmental science. Because of the nature of NARST, the Board believes that the Organization itself should not become involved in environmental projects as such; but it believes generally that NARST, through its members, might wish to report on research completed or underway in the area of environmental science.

NARST

AND THE

ENVIRONMENT

The NARST Board appreciates your continued interest in the Organization, and asks you to report your recommendations to the Program Committee for next year's meeting, through its Chairman, David Lockard. To expedite your considerations, I am asking Ken if he will serve as Chairman of the ad hoc committee, with Nat contributing his expertise, knowledge and ideas.

I personally hope you both will be willing to accept this assignment, and I look forward to knowing of your recommendations related to the environmental science area.

cc.: NARST Executive Board Members

FXS/jvb

April 7, 1971

To: NARST Nominating Committee (Dr. John Schaff, Center for Science Education, 400 Lyman Hall, Syracuse University, Syracuse, New York 13210; Dr. Lee A. Dallas, Department of Education, Western Washington State University, Bellingham, Washington 98225; Dr. Silas Schirner, College of Education, University of Houston, Houston, Texas 52240)

From: Paul DeHart Hurd, Chairman

Re: NARST Officers for 1972

President Frank X. Sutman has appointed you to the NARST Nominating Committee for 1972. As you may know, the outgoing President of NARST serves as the chairman of the committee.

NOMINATIONS

FOR

1972-73

Our responsibility is to nominate a slate, two or more, to run for the President of NARST, and a longer slate to run as members of the Executive Board--two to be elected. All members of NARST are eligible to run for the Board but only present or past members of the Executive Board may run for the presidency. Members of NARST other than the Nominating Committee may also make nominations by petition which must contain 10 valid signatures. I am enclosing a copy of the petition for your information.

Within the next couple of weeks I will be sending to you a list of members eligible for the presidency. We will need to carry out our activities through correspondence but this should offer no difficulty. Our slate of nominations will need to be finalized by early October so as to appear in the NARST Newsletter of November for mailing to the membership.

At this time I do not have any recommendations to make except that it has been called to the present Board's attention that we have not had a woman represented in nearly 20 years.

PDH: jw
CC: Frank X. Sutman
Enclosure

National Association for Research in Science Teaching

1972 ElectionsNomination Petition

We, the undersigned NARST members, nominate _____
(Name)

_____ (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: Paul DeHart Hurd, Chairman, 1972 NARST Election Committee, School of Education, Stanford University, Stanford, California 94305.

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

April 2, 1971

Dr. Wayne Taylor
160 Kenberry Drive
E. Lansing, Michigan 48823

Dear Wayne:

I wish to express my personal thanks to you for all of the help you have given to me over the past year in preparing for the NARST meetings in Silver Spring. I also convey to you, in writing, the gratitude of the NARST membership for your four years of service as secretary-treasurer of our Organization.

I look forward to your continued support.

kindest personal regards,

Frank X. Sutman
President, NARST

FXS/cc

P.S. Will you be good enough to bill the College of Education at Temple University for \$250.00 towards the cost of the Buffet? I will process this bill and have the \$250.00 sent to you.
Thanks.

cc: Ralph Lefler

THANKS
FOR THE
PAST

March 31, 1971

Dr. Ralph Lefler
 Department of Physics
 Purdue University
 Lafayette, Indiana 47907

Dear Ralph:

I am pleased that you will serve as Secretary-Treasurer of NARST beginning April 1, 1971, and I know that Wayne Taylor will be of utmost help in transferring the funds, correspondence, and responsibilities of the Secretary-Treasurer. My deep appreciation goes to Wayne for his four years of service, and to you for your willingness to accept a responsibility that is not an easy one. It was good that we had several hours to talk near the end of the meeting in Silver Spring. I think it would be helpful for me to summarize some of our thoughts about the future.

OUR NEW

SEC'T

TREASURER

1. The new letter-head should be printed as rapidly as possible and distributed to officers and Board members. Envelopes distributed to members should say "National Association for Research in Science Teaching" only. You may want envelopes with your address printed on it. Or you may wish to have a stamp made with your return address. I would suggest the latter to save funds. Each board member should receive 100 letterheads and 100 envelopes. I should receive 200 and you will need more, perhaps 500.

2. All Newsletters are duplicated and distributed by ERIC - Ohio State. Stanley Helgeson is your contact man for this. (See item no. 7, Draft Minutes attached)

3. O. Roger Anderson, JRST Editor will inform you of requests for Journal reprints. You will bill interested parties for \$100.00 per reprint requested to be used in books of readings or other publications.

4. A sum of \$4000 per year beginning June of each year is allocated for the JRST Editor's secretary and for supplies. \$4500 was sent to the Editor this year. He, hopefully, will credit \$500 towards next year's expenses. This suggestion was made at the Board meeting of March 22, 1971.

5. We agreed that you might use the "Financial Statement" for 1970 as a guide for this year's budget, with some modifications indicated below:

- a. Editorial Office \$4000 not \$3000.
- b. Office of Secretary-Treasurer \$2000 for secretary with an attempt to reduce other costs.
- c. Placement service up to \$300.
- d. AAAS Cooperative Committee delete this item.

Best wishes to you in your new role. I look forward to working closely with you as I have with Wayne in the past.

Kindest personal regards,

Frank X. Sutman
President, NARST

Atts.: As Stated.

FXS/jvb

March 29, 1971

Dr. Frank X. Sutman
 Temple University
 Philadelphia, Pa. 19122

Dear Frank:

The faculty, staff, and students in Science Education, University of Pennsylvania, would like to thank you and your committee for the well-planned meeting of NARST in Silver Springs. We would, however, like to make the following suggestions for future meetings of NARST:

PROS
 AND
 CONS
 LETTERS

1. That we do all we can to discourage participants from reading their papers. The presentations of most of the participants were very poor. If papers are to be distributed, it does seem that the researcher should be able to discuss the implications and limitations of his research as if he were speaking to a colleague. It is not necessary to "read down" to your audience and to explain the statistical tests. I believe that the sessions were poorly attended because of the type of presentation we were forced to endure. It does seem that educators should be capable of speaking with an outline or a few notes.
2. That programs indicate if the research was based on a dissertation and the university that sponsored the research.

Sincerely,

Kenneth D. George
 Associate Professor
 Science Education

KDG/ik

April 5, 1971

Dr. Frank X. Sutman
President, NARST
College of Education
Temple University
Philadelphia, Pennsylvania 19122

Dear Frank:

I wish to express my sincerest appreciation for the excellent program and arrangements which you made for the NARST meetings. I feel this convention represents the peak of all of our activities over the past 20 years. Personally, I felt we never did quite get off the ground the way we should until this time and so much of this is due to your good efforts.

I suppose you have heard that an ad hoc meeting of the Executive Board was held in Washington, D.C. at the NSTA meetings to reset the dates for the 1972 Chicago meeting to coincide with AERA. This was done in order to avoid a major conflict with NSTA in New York City. We did not find out about this conflict until we saw a copy of the NSTA program. Wayne Taylor was contacted and hotel arrangements for the change in dates should be completed. This arrangement, coinciding with AERA, is not new but existed for quite a few years. The change was made in order to preserve our identity to a greater extent. It appears that with a separate hotel distinct from AERA we may be able to keep our program attendance high. David Lockard knows about these new arrangements.

Cordially,

Paul DeHart Hurd
Immediate Past President, NARST

PDH: jw

It would seem that our science educators are very remiss in recognizing some of the research findings of some of our colleagues. The CO[↑] levels in our unventilated meeting rooms, a result of inconsiderate, unnecessary smoking is one variable that could be eliminated in our attempts to better respond to the mass knowledge being poured at us. It's a shame that we can't hear all the talk on "ecotactics" because the smoke's too thick! It's a "shame on us"!

Ryda Rose
University of Pennsylvania

April 5, 1971

Dr. Frank X. Sutman - President
College of Education
Temple University
Philadelphia, Pennsylvania 19122

Dear Frank:

I want to express my appreciation of your fine program at NARST and also for the dinner. It was good to see old friends, and to meet some of the large and impressive group of the new generation.

Sincerely,

Cyrus W. Barnes
Professor of
Science Education

CWB/vs

March 29, 1971

Dr. Thomas Grgurich
Science Department
Cherry Hill High School East
Kresson Road
Cherry Hill, New Jersey

Dear Tom:

The Executive Board of NARST has approved the appointment of an ad hoc committee of newer NARST members to supply input into the Organization, in the form of suggestions for action and organization; also in the form of ideas for future convention programs. I am inviting you to be Chairman of this committee. In my telephone conversation with you, it appeared reasonable to have you write to a group of interested members seeking their ideas, and then perhaps to meet with some of these members to complete a report to be presented to the Board, the Program Committee, and the membership through the NARST Newsletter. We discussed the limitation of funds that might prevent your total group from getting together before next year. However much can be done by mail.

The board and I hope you will accept the chairmanship of this most important committee. And I personally look forward to the recommendations of your group.

Kindest personal regards,

Frank X. Sutman
President

P.S. I enclose the names and affiliations of 20 members indicating an interest in this activity. Please let me know if I can be of help to your group in any way.

NEWER NARST MEMBERS

Paul C. Beisenherz
5502 - 161st Pl. NE
Redmond, Washington 98052

Betsy Conlon
State University
College - Brockpont, New York

Tom Grgurich
L6 Pickwick Apts.
Maple Shade, New Jersey 08052

Paul Hoeksema
Rt. 1 Box 21A
Big Rapids, Mich. 49307

Ted Kellogg
26 Bayberry Rd.
Kingston, R.I. 02881

Dr. Louis Konetski
K5211 Frankford Ave.
Baltimore, Maryland 21212

Roger D. Lewis
Rm. 414 Education Bldg.
Florida State University
Tallahassee, FLA. 32306

Dr. Ken Mechling
1305 Robinwood Dr.
Clarion, Pa. 16214

Dale Merkle
Shippensburg State
Shippensburg, Pa. 17257

Donald Neuman
941 E. Sylvan Ave.
Milwaukee, Wisc. 53217

John Norman
Wayne State University
Detroit, Mich. 48202

James Okey
School of Education, Science Ed.
Indiana University
Bloomington, Indiana 47401

Dick Rezba
Indiana University
Bloomington, Indiana 47301

Richard Rosen
University of Maryland
College Park, Maryland 20742

John Shafer
West Irondequoit Central School Dist.
West Irondequoit, New York

Larry Schafer
1634 L Spartan Village
E. Lansing, Mich. 48823

Silas Schirner
University of Houston
College of Education
Houston, Texas 77004

Evan Sweetser
1013 Draper Rd.
Blacksburg, Virg. 24060

Gil Turpin
Indiana University
Bloomington, Indiana 47401

Elizabeth S. Woodward
Augusta College
Dept. of Physics
Augusta, Georgia 30904

National Association for Research in Science Teaching

AFFILIATED WITH THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

Cherry Hill High School East
Kresson Road
Cherry Hill, New Jersey 08034
April 16, 1971

Dear

In response to a request by Dr. Frank Sutman, President of NARST, I submit the following for your consideration.

At the recently completed NARST National meeting in Silver Springs, Maryland, a group of newer members of the Association, including myself, expressed some concerns about the function of the Association and the role played by newer members. Since the concerned individuals are situated at great distances throughout the United States, it does not seem feasible--both economically or physically--to have a meeting of all these individuals. It is hoped that a committee of four or five of us who live within the proximity of Temple University might meet there to represent the entire group. This committee would collect and evaluate the suggestions and ideas submitted by newer or recently involved members and formulate a combined report of recommendations. It is expected that this report of recommendations would be submitted to the President and the Board after approval of the concerned individuals. Also the report would be distributed to the entire membership through the NARST Newsletter.

Those individuals who can provide the time and desire to serve on such a committee should fill out the necessary information on the enclosed form. Those who are concerned but cannot serve on the committee are invited to participate by submitting the information requested and by listing suggestions which might provide for greater involvement and recognition for newer members. A rapid response by those concerned will result in greater efficiency and speed of action. Here is an opportunity to bring about change and have your position recognized!

Cordially yours,

Thomas J. Grgurich, Ph.D.
Chairman New Member Committee NARST
Biology Department Chairman

cmc

Enclosure

Name _____

School _____

Address _____

Phone: (Home) _____ (Office) _____

I can () cannot () serve on the committee.

Recommendations: (i.e., representation, journal, annual meeting, finances,
leadership, interaction of members, etc.)

Mail to: Dr. Thomas J. Grgurich
Biology Department Chairman
Cherry Hill High School East
Kresson Road
Cherry Hill, New Jersey 08034

NEWS ITEMS FOR FUTURE

NARST NEWSLETTERS

Let the members know of your professional activities

Send to: Dr. Marvin Druger
School of Education
Syracuse University

8 April 1971

Dear Sirs,

The Division of Science Teaching of UNESCO is planning to undertake a world-wide study on the present and potential future use of modern educational technology in science education at all levels. As part of this effort, the Division is making a preliminary survey in order to identify the most active and creative people and institutions in this area, along with the most significant recent innovations.

MESSAGE

FROM

UNESCO

Our initial concern covers a broad range -- from simple audio-visual devices, through television and computer-assisted instruction, to fully integrated multi-media teaching/learning systems. However, within this very large domain, we are concerned only with the application of such devices and/or systems to the teaching of mathematics and the natural sciences.

We would be most grateful for any relevant information that you could kindly send us on your own recent or planned activities in this field. We would also appreciate having your suggestions regarding other persons or institutions whom you would particularly recommend that we contact.

Thank you in advance for any assistance you can give.

Sincerely yours,

National Association for Research
in Science Teaching
c/o Life Science Department of Biology
at the Purdue University
Lafayette, Indiana 47907
USA

Dr Harold A Foecke
Director
Division of Science Teaching

Dear Colleague:

Below is a sample form for "Personnel Seeking Employment" and one for "Employment Opportunities". Please mail the appropriate completed form to us by January 1, 1972 if you wish the information to be included in the next Placement Information Listing to be distributed in February 1972. Please make duplicates of the forms as needed.

Let us know your suggestions for improvements in this service. We hope this project will be of some assistance to you. Thank you for your cooperation.

NARST PLACEMENT COMMITTEE
Center for Science Education
410 Lyman Hall
Syracuse University
Syracuse, New York 13210

PERSONNEL SEEKING EMPLOYMENT

NAME:	DEGREE:	EXPERIENCE:
_____	_____	_____
Last First Initial	(Check)	Date Completed or anticipated
ADDRESS:	___ M.S. _____	
_____	___ PhD _____	
_____	___ EdD _____	
City State Zip		
TELEPHONE:	_____	
_____	Institution granting highest degree	
Area Code Number		Type of Position Desired:

EMPLOYMENT OPPORTUNITIES

<u>POSITION:</u>	<u>PROPOSED RANK:</u>
<u>LOCATION:</u>	<u>PROPOSED SALARY:</u>
	<u>QUALIFICATIONS:</u>
<u>APPLY TO:</u>	<u>EXPERIENCE:</u>
<u>PERMANENT OR TEMPORARY?</u> _____	<u>JOB DESCRIPTION:</u>
<u>STARTING DATE:</u>	

PERSONNEL SEEKING EMPLOYMENT

ADHIKARY, POORNA K. M.S. 1966 EXPERIENCE:
 764 Eigenmann, I.U.
 Bloomington, Indiana 47401 EdD. 1971, summer Teaching science and math in
 (812) 337-2216 schools and colleges.

POSITION DESIRED:

Science and Math Education, college or university; science and math
 curriculum coordinator or developer or evaluator; method teacher

ALEXANDER, DONALD L. EdD. 5/71 EXPERIENCE:
 1137 Munsey Avenue
 Morgantown, W. Va. 26506 West Virginia U. (not given)
 (304) 599-3263

POSITION DESIRED:

Science Education (college/university)
 Science curriculum coordinator (Public Ed.)

ARNOLD, THOMAS C. M.S. 6/69 EXPERIENCE:
 Box 237
 Lemont, Penna. 16851 Ph.D. 12/71 4 yrs. teaching experience in New York &
 (814) 238-0073 Penna. public schools in general sci.
 Penna. State Univ. and earth science.
 1 yr. supervising student teachers for
 Penn. State Univ.
 1 term teaching methods of earth science
 at Penn State
 1 ye. experience in Penn State Division of
 Instructional Services evaluating
 college courses and programs.

POSITION DESIRED:

1. Science Education: secondary preferred;
2. Teaching science methods
3. Teaching any of the primary disciplines in earth sci.
4. supervising student teachers

BEAM, KATHRYN J. Ed.D. 6/71 EXPERIENCE:
 1141 Ransom Road
 Grand Island, N. Y. 14072 State U. of NY at
 (716) 862-4916 Buffalo
 (716) 773-2739 4 yrs. college - elementary & secondary
 science education, science for non
 science majors, student teaching
 1 yr. Graduate Assistant-Science Educ.
 3 yrs. High School-chemistry
 5 summers - Cancer Research

POSITION DESIRED:

Secondary and/or elementary sci. education,
 classroom interaction analysis study,
 physical science orientation

BROWN, DONALD J. Ph.D. Aug, 1971 EXPERIENCE:
 353 Hawkeye Drive
 Iowa City, Iowa 52246 Univ. of Iowa (not given)
 (319) 338-0415

POSITION DESIRED:

Science Education,; secondary & elementary methods, physical sciences

-
- FRIEDMAN, GERALD S. Ph.D. June 1971
Rm. 4, Stone Hall, Cornell U.
Ithaca, N. Y. 14850
(607) 273-3518
Cornell Univ.
- EXPERIENCE:
Ass't Dir. of Novak's audio-tutorial
elem. science project incl. designing &
evaluating elem. curriculum; managing
program in classroom; guiding others in
curriculum design & evaluation.
Publication: Piaget's Phy.Caus., Re-ex.
Esea Title Res. Training Fellow.
- POSITION DESIRED:
Curriculum development & evaluation. Guide
others in curriculum design, research &
evaluation. Continue development of
instructional technology. Learning theory,
cognitive growth, and transfer research.
-
- GROSS, BERNARD F. M.S. 1966
Syracuse Univ. 400 Lyman Hall Ph.D. 1971
Syracuse, N.Y. 13210
(315) 475-5541, ext. 2586
Syracuse Univ.
- EXPERIENCE:
University: genetics instructor-5 semesters
instructor science methods
general methods
High School: 3 yrs. chem. biology, advanced
science, physics and physical
science.
2 yrs. science dept. chairman
- POSITION DESIRED:
Secondary science methods; science for non-science
majors(college); teacher training
-
- GUBRUD, ALLAN R. Ph.D. 1970
719 Ivy Avenue
Eugene, Oregon 97402
(503) 689-2874
Cornell Univ.
- EXPERIENCE:
JHS - 3; SHS - 3; Jr. College - 3

(in all areas of science) special area is
physics. Asst. Director of AYI Program at
Cornell.
- POSITION DESIRED:
Teacher of physical science or physics; survey
with opportunity to try new ideas and do research
in learning theory.
-
- HARTMAN, DEAN D. Ph.D. 8/71
918 E. Eagle Heights
Madison, Wisconsin 53705
(608) 238-1202
- EXPERIENCE:
High School teacher -- 9 yrs.
(physics, chemistry, and math)
Science supervisor - 1 semester
Student teacher & supervisor - 1 semester
- POSITION DESIRED:
Science Methods; Undergraduate Science
-
- HERRING, LEWIS H. M.S. 1961(Texas)
1302 Hillside Drive
Fairmont, W.V. 20554
(304) 366-1209
Ed.D. 12/72(W. Va.)
- EXPERIENCE:
16 years teaching

4 years college level
- POSITION DESIRED:
Science education-college; science curriculum Coordination-Public School
-
- LERNER, MICHAEL A. M.S.
416 Parlin Street
Philadelphia Penna. 19116 Ed.D. 8/71
(215) OR6-9033
S.U.C. Buffalo
- EXPERIENCE:
3 yrs. Temple Univ. teaching elementary
science methods
2 yrs. Jr. High School science
1 yr. Buffalo State - Tchng. Fresh. chem.
1 yr. Phila. School System-research asst.
- POSITION DESIRED:
Elementary science education; teaching methods
course; teacher supervision; research in elem. sci. ed.

RAKSHPAL, RAM M.S. 1956
3267 Queenstown Drive
Mt. Rainier, Md. 20822 Ph.D. 1962
(301) 779-0162 Allahabad Univ.

POSITION DESIRED:
Teaching/Research

EXPERIENCE:
Teaching experience of eleven years and
post-doctoral research experience of five
years. Analytical-Inorganic Chemistry.

SEYMOUR, LOWELL A. Ed.D. 1970
902 Gropwell Road
Cherry Hill, N.J. 08034 Temple Univ.
(609) 424-2375

POSITION DESIRED:
Teacher (pre or in) Science Supervision; Science Education methods;
Research or Stat.

EXPERIENCE:
6 yrs. sec. biology & chemistry
1 yr. T.A.-supervision of pre-service
teachers
2 yrs. research associate; Philadelphia

SHARP, WILLIAM L. Ed.D. July 1971
509 W. 121 St., Apt 410
New York, N.Y. 10027 Teachers College
(212) 870-4050 Columbia Univ.

POSITION DESIRED:
Biology - Teacher Education

EXPERIENCE:
1969-Instructor: T.C., Columbia U. super-
vision student teachers, coordination
student teach. sem.; asst. bio. methods
'66-'69-Biology Teacher; Jamestown, N.Y.
'65-'66-T.A., Northern Arizona Univ.
teaching biology labs
'64-'65-Science teacher, Valley Central H.S.
Montgomery, N.Y. physics, chemistry,
7th grade science

SHIPE, RICHARD A. M.S. 1969
633 Cherry Lane
Bellefonte, Pa. 16823 PhD. 1971 Sept
(814) 355-3216 Penn. State U.
865-2430

POSITION DESIRED:
Secondary and/or elementary science education
Student teacher supervision

EXPERIENCE:
Graduate Instructor, 2 years
Elementary secondary science methods crse.
Student Teaching Supervisor
Science Coordinator: 3 years
High School Science Teacher, 9 years

SOLOMON, GERARD O. Ed.D. 1968
1413 Eastern Avenue
Morgantown, W.Va. 26505 Univ. of Florida
(304) 599-4472

POSITION DESIRED:
Elementary or secondary science education
Curriculum, biology

EXPERIENCE:
1968 to present; Asst. Prof. of Science
Ed. at West Virginia Univ. Elementary
science methods; secondary science
methods; graduate science educ. seminar;
elementary curriculum
'58-'66: Secondary science; teaching;
biology, chemistry, physics

THOMAS, MYRNA C. M.S.
533-A W. Abbotsford Ave. Ed.D. 5/71
Phila. Penna 19144 Temple Univ.
(212) vi6-2808

POSITION DESIRED:
Biology teaching & curriculum development--
college level. Also interested in training
of college biology teachers.

EXPERIENCE:
Several years teaching general biology,
zool, cytology, embryology, mammalian
anatomy
Combined biology Ph.D. program w/science
educ. program. B.S. & M.S. in Biology
Cytogenetics research at Cold Spring
Harbor, N.Y.

THE 1972 NARST ANNUAL MEETING:

Sheraton Blackstone Hotel, Chicago, Illinois

April 3 - 5, 1972

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OFFICIAL CALL FOR PAPERS

Papers are typically reports of research and developments on science teaching including: 1) theoretical or empirical reports; 2) innovations in curriculum and instruction; and 3) an analysis or synthesis of existing research or a critique of its methodologies. It is expected a paper will add to what is known about science education or will provide a generalizable or operational solution to a current problem. The final date for consideration of papers is October 1, 1971.

Address all program correspondence to:

Dr. J. David Lockard
Science Teaching Center
University of Maryland
College Park, Maryland 20742

Procedures for Submitting Papers

Paper presenting sessions are planned to accommodate a number of 15-minute presentations (count on no more than 15 minutes for your presentation). If for some exceptional reason this time limit is insufficient, the program chairman should be informed of this fact prior to approval of the paper abstract. The program committee will determine at the time the paper is approved whether additional time can be allocated for the presentation. At most sessions a critique of the papers presented and time allowed for audience discussion is planned into the time of each session.

A paper may not be presented if it has appeared previously in a national journal other than an ERIC or Dissertation Abstracts citation. The following principles of participation should be observed: Members may not present more than one paper, though they may be co-authors of more than one paper. Members may not appear as principals in more than one symposium, although they may participate as discussants in others. Members will be permitted to chair or organize one additional event. These guides to participation have been set down to encourage opportunities for as many persons as possible.

Students and non-members may submit a paper, providing it is accompanied by a letter from a NARST member stating that he is willing to sponsor the contribution.

Those wishing to read papers must submit the following materials to the Program Chairman by October 1, 1971.

1. Five copies of a cover sheet which contains the following information in order:
 - A. Name and mailing address, including ZIP code, of the sender in the upper right hand corner. (A change of address before meeting time should be sent via air mail to the program chairman.)
 - B. Title of the paper as it is to appear on the program.
 - C. Name of the author (or authors) and institutional affiliation, as they are to appear on the program. The person who is to read the paper should be listed first. If the paper reader is not the principal author, this should be denoted by an asterisk after the name of the paper reader.
 - D. Complete mailing address of the paper reader.
 - E. Please categorize your paper as to its primary research focus, for example, teaching objectives, curriculum, learning, instruction, teacher education, philosophical, etc.; then use a subsidiary classification as disadvantaged, elementary, junior or senior high school, or college level; evaluation; pre-service or in-service teacher education; etc. These classifications are needed to select qualified paper reviewers and to organize the sessions.

2. Five copies of a 500-word abstract, typewritten and double-spaced on the Form provided by ERIC. The abstract should contain the following information, in order:
 - A. Title of paper as it is to appear in the program.
 - B. Name of author(s), institutional affiliation, complete address.
 - C. The 500-word abstract should describe the purpose or problem; procedures or design; results or conclusions; and educational importance of the research.

3. Two self-addressed stamped envelopes. One will be used to acknowledge receipt of the abstract. The other will notify the sender of the decision of the program committee and for those accepted, information about presenting the paper.

NOTE: It is assumed that the person who is listed first, as paper reader, will be present in Silver Spring to read the paper, if accepted. If unforeseen circumstances arise that prevent his reading the paper, once it has been accepted, it becomes his responsibility to find someone else to read the paper in his place and to notify the Program Chairman and the Session Chairman of his replacement.

ERIC ABSTRACT FORM

The Ohio State University
ERIC Information Analysis Center for
Science and Mathematics Education
1460 West Lane Avenue
Columbus, Ohio 43210

Report Title: _____

Author(s):

Name: _____

Institutional Affiliation: _____

Address: _____

Name: _____

Institutional Affiliation: _____

Address: _____

Abstract:

(continue on back)