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EXECUTIVE SECRETARY

Dr. Glenn Markle  
NARST  
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Organized to improve science teaching—through research

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# NARST

NATIONAL ASSOCIATION FOR RESEARCH IN SCIENCE TEACHING

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PRESIDENT

Dr. William G. Holliday  
Curriculum and Instruction  
Benjamin Building  
University of Maryland  
College Park, MD 20742

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PRESIDENT-ELECT

Dr. Jane Buler Kahle  
418 McGuffey Hall  
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Oxford, OH 45056

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IMMEDIATE PAST PRESIDENT

Dr. Patricia E. Blosser  
ERIC  
1200 Chambers Road, Rm. 310  
The Ohio State University  
Columbus, OH 43212

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BOARD MEMBERS-AT-LARGE

Dr. Charles Anderson (1990)  
229 Erickson Hall  
Michigan State University  
East Lansing, MI 48824

Dr. Hans Anderson (1996)  
NSTA  
1742 Connecticut Ave., NW  
Washington, DC 20009

Dr. Lowell J. Bethel (1991)  
Science Education Center—EDB 340  
The University of Texas at Austin  
Austin, TX 78712

Dr. Fred Finley (1990)  
370 Peik Hall  
University of Minnesota  
Minneapolis, MN 55455

Dr. Donald W. McCurdy (1992)  
211 Henzlik Hall  
University of Nebraska  
Lincoln, NE 68585

Dr. Robert Sherwood (1991)  
College Box 4, Peabody College  
Vanderbilt University  
Nashville, TN 37203

Dr. Kenneth G. Tobin (1992)  
Science Education  
Florida State University  
Tallahassee, FL 32306

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JOURNAL EDITOR

Dr. Ronald G. Good  
Department of Curriculum  
and Instruction  
Louisiana State University  
Baton Rouge, LA 70803

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RESEARCH COORDINATOR

Dr. Frances Lawrenz (1992)  
370 Peik Hall  
University of Minnesota  
Minneapolis, MN 55455

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NARST-NEWS EDITOR

Dr. Thaddeus W. Fowler (1989)  
College of Education  
University of Cincinnati  
Cincinnati, OH 45221-0002

DATE: January 15, 1990

TO: NARST Members

FROM: Glenn Markle, Executive Secretary

**1990 Elections.** Enclosed is a ballot the 1990 election of the NARST President Elect and for the election of two board members who will serve three-year terms beginning in April, 1990. Biographies describing the qualifications of each candidate were reported in the December *NARST News* and are repeated on the following pages.

**1990 Dues.** The notices for the 1990 dues were mailed in December. To assure that your JRST subscription is continued uninterrupted, please pay your dues as soon as possible. (Also, my job as executive secretary is made **much easier** when members pay their dues early in the year, and I greatly appreciate your cooperation to lighten the workload on this end. Thank you.)

**1990 Conference.** You should have received the materials to register for the 1990 NARST meeting in Atlanta. If you have not received the registration materials, a copy is included in the December *NARST News*. Once in Atlanta, we are more efficient in dealing with preregistration than we are with on-site registration. Also, the preregistration fee is ten dollars less than on-site registration! Please preregister if you are attending the annual conference.

**New Student Memberships.** If you are working with graduate students who are interested in Science Education Research, please suggest that they consider joining NARST. A student membership with the journal cost only \$30.00. *If you want to give a student a NARST membership, a nice letter will be sent by the Association acknowledging your gift and welcoming the student to NARST.*

## Elections Committee Report

The Elections Committee is pleased to present the following candidates for election in 1990. Each of the individuals identified has been contacted and has agreed to have his/her name placed in nomination and to serve if elected.

### PRESIDENT-ELECT

Anton E. Lawson, Arizona State University

Russell H. Yeany, University of Georgia

### BOARD MEMBERS-AT-LARGE

Pamela Fraser-Abder, New York University

Dorothy Gabel, Indiana University

Thomas R. Koballa, Jr., University of Texas at Austin

Peter A. Rubba, Pennsylvania State University

## PRESIDENT ELECT NOMINATIONS

The two candidates that have been nominated for President Elect are Anton E. Lawson and Russell H. Yeany.

### ANTON E. LAWSON

Anton E. Lawson is currently Professor of Zoology at Arizona State University and Director of the Program for the Enhancement of Biology Teaching in Arizona. During the past 20 years, Lawson has been a regular contributor to the *Journal of Research in Science Teaching*. His contributions have three times, in 1976, 1985 and 1987, been awarded the prestigious JRST Award for the most significant contribution to the journal for that year. In 1986 Lawson was the first recipient of NARST's highest award, its Distinguished Contributions Award, for his "outstanding and substantial contributions to the field of science education through research."

Lawson is a 1967 BS graduate in zoology of the University of Arizona, a 1969 MS graduate in marine ecology of the University of Oregon, and a 1973 Ph.D. graduate in science education of the University of Oklahoma. Lawson has held research positions at Purdue University and the University of California-Berkeley prior to assuming his faculty position at Arizona State. He has published extensively in the fields of psychology and educational psychology as well as in science education with over 140 publications to his credit. He has written eight books including *Using the Learning Cycle to Teach Science Concepts and Thinking Skills*, *The Psychology of Teaching for Thinking and Creativity*, *Biology: A Critical Thinking Approach*, and *Basic Biological Theories*.

Currently associate editor of the *Journal of Research in Science Teaching* and member of NARST's Distinguished Con-

tributions Award Committee, Lawson has served as associate editor of *School Science and Mathematics*, as a member of the NARST Executive Board, the JRST Editorial Board, the Association for the Education of Teachers in Science Editorial Board, and the Publications Panel of the National Association of Biology Teachers. Lawson has also presented papers at numerous national and international conferences including the recent United States-Japan Seminar on Science Education in Japan, the International Adolescent Development Seminar in England, and the Symposium on a Unified Conception of Thinking in British Columbia. In 1981, the Association for the Education of Teachers in Science recognized Lawson as its Outstanding Science Educator of the Year for his many contributions to the field of science teacher education.

### RUSSELL H. YEANY

Dr. Yeany holds the Ph.D. from the University of Colorado and a Master's degree and a Bachelor's degree in biology from Clarion University. Currently he is on leave as Head of the Science Education Department at the University of Georgia while serving as interim Director of the School of Teacher Education at the University of Georgia, where he holds the rank of Professor of Science Education.

During his tenure at Georgia, he has developed and taught courses in the Secondary Science Teacher Program and served as Coordinator of the Science Education Research and Evaluation Laboratory. He currently coordinates all of Georgia's funding related to science in institutions of higher education under the U.S. Office of Education program.

Yeany's research interests have led to numerous publications in three areas: influences on teachers' science teaching strategies; the effects of diagnosis and prescription on science learning; and the assessment of and influences on science process skill learning. He is a regular presenter at national, regional, and state meetings reporting research related to the teaching and learning of science and the preparation of science teachers. In addition to his research skills and interests, Yeany has had considerable involvement in the evaluation of large-scale science education projects. He has served as principal evaluator of projects funded by the National Science Foundation, the National Science Teachers Association, the U.S. Department of Education, and many state agencies.

Yeany has been a member of NARST since 1972. During that time, he has served on numerous committees and the JRST Editorial Board. He was elected to the Executive Board in 1981 and served as Editor of the *Journal of Research in*

*Science Teaching* from 1984 through 1989.

The Association for the Education of Teachers of Science recognized Yeany as the Outstanding Science Educator of the Year in 1977 and presented him with the AETS Research paper Award in 1984. He received the NARST Research Application Award several times and was presented with the NARST Outstanding Paper Award in 1986.

## BOARD MEMBERS AT LARGE

The following nominations have been made for members of the Board. The persons nominated are Pamela Fraser-Abder, Dorothy Gabel, Thomas R. Koballa, and Peter A. Rubba. Two positions will be available starting in 1990. Board members serve for a term of three years.

### PAMELA FRASER-ABDER

Pamela Fraser-Abder earned her undergraduate degree in Natural Science from the University of the West Indies, St. Augustine Campus; her M. Ed. in Science Education with a minor in Educational Psychology in 1976 and her Ph.D. in Science Education in 1982, both from the Pennsylvania State University. She also holds a Post-Doctoral Certificate in Human Resources and Education Planning.

Abder recently joined the Faculty of Science, Mathematics and Statistics Department of the School of Education, Nursing, Health and Arts Professions of New York University, after spending 12 years as a lecturer in Science Education at the Faculty of Education, U.W.I. St. Augustine, Trinidad. Her main goal at N.Y.U. is to provide academic and professional leadership in the area of science and technology in an urban environment through teaching, research and development, and community service with particular emphasis on women and minorities.

Her research interests include urban science and technology teaching and learning at the elementary, secondary, and tertiary levels; and problems related to science curriculum development, implementation, and evaluation, teaching, and learning in multicultural communities. Her publications include 17 books (workbooks, teacher's guides, and textbooks) on elementary science now used in the Caribbean and Africa, a UNESCO Sourcebook of Science Education Research in the Caribbean, and research articles in national and international journals.

Abder has presented papers yearly at the NARST annual meeting, and served as chair and/or discussant for NARST sessions. She has served on the ad hoc Committee on International Issues since

its inception, chairing this Committee for the last two years. She is also one of the founder members of the Consortium of Science Education Research in Latin America, the United States, and the Caribbean.

#### **DOROTHY GABEL**

Dorothy Gabel is Professor and Coordinator of Science Education at Indiana University in Bloomington. She recently returned to Indiana University after spending 20 months at the Program Director for the Teacher Preparation Program at the National Science Foundation.

Gabel received her baccalaureate degree in chemistry from Rosary College and her master's degree and doctorate from Purdue University. She is past president of the Hoosier Science Teachers Association, was Research Division Director of the National Science teachers Association, and is currently president of the School Science and Mathematics Association.

She has been involved in classroom research since 1972 and has been the recipient of NARST's Award for Outstanding Research emphasizing Classroom Applications four times. She has also received the JRST Award twice.

In addition to many research reports, Gabel's publications include an introductory science textbook for elementary education majors, a high school chemistry problem solving text, and a high school chemistry textbook. Gabel was the author of the *Summary of Research in Science Education for 1978*, and is an author and editor of NSTA's publication on *What Research Says to the Science Teacher About Problem Solving*.

Gabel's activities in NARST include serving on the Financial Advisory Committee, the editorial board of *JRST*, the Program Committee, and the Research Committee, as well as presenting research reports at most annual meetings and publishing in the *Journal of Research in Science Teaching*.

#### **THOMAS R. KOBALLA, JR.**

Thomas R. Koballa, Jr. is an Associate Professor at the Science Education Cen-

ter, The University of Texas at Austin. He holds a B.S. in biology and M.A. in science education from East Carolina University, and a Ph.D. in Curriculum and Instruction/Science Education from The Pennsylvania State University.

Koballa joined the faculty of the Science Education Center, UT-Austin, after one year on the faculty at Pikeville College, Kentucky. At UT-Austin he teaches undergraduate and graduate courses in science education and directs graduate student research. He is the recipient of research and teacher training grants from the National Science Foundation, the University Research Institute of the University of Texas, and the National Science Teachers Association. Koballa has authored and/or co-authored more than 30 articles and book reviews in the *Journal of Research in Science Teaching*, *Science Education*, and *School Science and Mathematics*, and has served as editor of the *Attitue Research in Science Education Newsletter*.

Koballa has been an active NARST member since 1981. His service to the organization includes membership on the *JRST* Editorial Review Board (1984-1988), the JRST Awards Committee (1983-1986), the NARST Program Committee (1985-1987), and the NARST Research Committee (1986-1988). Koballa's research interests in persuasive communication design and attitude change are reflected in his recent contribution to the NARST *Research Matters to the Science Teacher* series entitled "Changing and Measuring Attitudes in the Science Classroom."

#### **PETER A. RUBBA**

Peter A. Rubba is an Associate Professor of Science education and of Science, Technology and Society at The Pennsylvania State University. He holds a B.S. in Chemistry/Math from Ashland College (1969), and a M.A. in History and Philosophy of Science (1974) and an Ed.D. in Science Education (1977) from Indiana University-Bloomington. He is a former chemistry, general science, and physics teacher. Rubba joined the faculty at Penn State in 1984 after eight years

on the faculty of science education at Southern Illinois University at Carbondale.

At Penn State, Rubba teaches undergraduate and graduate level science education courses. He has served, since 1988, as Professor in Charge of Science Education. He formerly served as the first director of the Center for Education in Science, Technology and Society (1985-1988). His research focuses on the integration of STS and science instruction at the middle/junior high and high school levels, and teacher development in STS education.

Rubba has published in the *American Biology Teacher*, *Bulletin of Science, Technology and Society*, *Journal of Chemical Education*, *Journal of Research in Science Teaching*, *Science Education*, *School Science and Mathematics*, *The Science Teacher*, and other professional journals, and has written for NSTA and AETS publications. He has been a frequent presenter at AETS, NARST, NSTA, TLC, and state level professional meetings.

Rubba's interest in science teacher education is highlighted in teacher education grants he has received, including among them seven NSF teacher enhancement projects, six state level teacher training grants, and awards from ACTION, as well as grants from the GTE Education Foundation to support Minority Doctoral Fellowships in Science and Mathematics Education. He has, in addition, received research grants from the U.S. Department of Education and private foundations.

Rubba's recent service to science education professional organizations includes: membership on the planning committee for the December 1989 NSTA Regional Convention in Atlantic City, the AETS Board of Directors, the *SSM* review panel, and chair of the Program Committee for the AETS portion of the 1987 NSTA Area Convention in Pittsburgh. His service to NARST includes membership on the NARST Awards Committee (1979-1981, 1984-1987), the *JRST* Editorial Review Board (1985-1989), and the NARST Program Committee (1987-present).