

# NARST

# Newsletter

QUARTERLY NEWSLETTER OF THE NATIONAL ASSOCIATION FOR RESEARCH IN SCIENCE TEACHING

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Joseph Novak, Secretary

Milton Pella, President

John M. Mason, Editor, Fall Issue

## Chicago Convention - Call for papers - H. Craig Sipe.

The 39th Annual Meeting of NARST is scheduled for Chicago, February 19-21, 1966. Contributed papers are an important part of the program. Tentative titles and 100-150 word abstracts should be in the hands of Professor H. Craig Sipe, George Peabody College for Teachers, Nashville, Tennessee as soon as possible, preferably by October 25, 1965. The program committee reviews the materials submitted and arranges the program shortly thereafter. It welcomes both the usual 12 to 14 minute paper and the 3 to 5 minute report on items of local interest, research in progress, and the briefer research studies. When the papers are in, the chairman of the committee will correspond with each person proposing a title.

Let us make the program and annual meeting the best that we have had.

## Opportunity for Associate Membership.

The category Associate Member was approved at the annual meetings in 1965. Participation in NARST as an Associate Member does not require election by the Executive Board, as does regular membership. Associate Members receive the Journal of Research in Science Teaching, Newsletters, and other communications. They are not eligible to vote or hold office. Annual dues are \$10.00, most of which is used to pay for journal subscriptions and other communications.

A realistic achievement: each NARST member to secure at least one Associate Member for 1965-1966. Application blanks may be secured by writing to J. D. Novak, Secretary-Treasurer, Department of Biological Sciences, Purdue University, Lafayette, Indiana 47907.

Congratulations - Stan Marshall - Editor - Journal

Stan writes as follows: "...the biggest news I suppose is that we are at last current--and I hope we will be able to stay that way. I do believe there has been noticeable increase in the quality of manuscripts we receive and there certainly has been an increase in the quantity. I am grateful to the new Editorial Advisory Board for the quality of their work and for the ease with which they phased into the process of reviewing manuscripts. There is still a need for more good, meaty contributions to the "Comment and Criticism" section. In addition, we have not had any great number of short descriptions of completed research including master's level research for automatic publication in the Journal as per the terms of our agreement at the last annual meeting. But maybe this will come."

I feel sure the membership of NARST extends commendations to Stan for a job well done.

Research Coordinator Extends Thanks.

Lloyd Johnson reports that he is receiving a modest number of abstracts and that he would welcome reports of any studies that the membership would send him. He extends thanks to those who have forwarded completed abstracts for committee review.

Report of the Nominating Committee.

The slate of officers nominated by the committee consisting of Waldo Blanchet, Ned Bingham, and R. Buell, Chairman, are as follows:

President-Elect

Arnold M. Lahti, Western Washington State College

John M. Mason, Michigan State University

Executive Board Member at Large

Willard J. Jacobson, TC-Columbia University

Rose Lammel, Wayne State University

Treasurer

Joseph Novak, Purdue University

Research Coordinator

Lloyd Johnson

The By-laws of the Association with respect to election of officers read as follows:

At the regular Annual Meeting, the President shall appoint a Nominating Committee of three to prepare mail ballots for electing officers, including members-at-large of the Executive Board, for the next ensuing year, with two or more nominees for each office except Secretary-Treasurer and Research Coordinator, for which only one is required. The slate proposed by the Nominating Committee shall be published in the Newsletter at least four (4) months prior to the Annual Meeting. Nominations may also be made by petition of ten (10) Members which shall be in the hands of the Secretary three (3) months prior to the Annual Meeting. Ballots shall be mailed by the Secretary to all Members eligible to vote two (2) months prior to the Annual Meeting, to be returned to the Secretary within four (4) weeks from date of mailing to Members. Election shall be by plurality, in serial order. In event of tie vote the decision shall be made by vote of the Members present at the next Annual Meeting. Results shall be announced at the Annual Meeting.

News from Members.

The editor wishes to express his appreciation to all those who returned the news gathering questionnaire. Approximately one-third of the Members contributed some information about their activities. It was a pleasure to note the many outstanding contributions being made by members of NARST. I trust the membership will find the edited accounts interesting.

Dr. Gerald L. Abegg, Assistant Professor, Kansas State Teachers College, teaches general organic chemistry and a physical science course designed for general education. He is also working with Dr. Glenn Crumb on a U. S. Office of Education supported project relative to students' understanding of science.

Dr. George Alterman, Professor and Director of Evening and Extension Division at Queensborough Community College, served as the Director of the Summer Session the past two summers. During the spring term 1965 he taught a graduate course at N. Y. U. in Investigations in Science Education.

Dean Kenneth E. Anderson of the School of Education at the University of Kansas was the recipient of the Outstanding Achievement Award of the Regents of the University of Minnesota on April 30, 1965. Congratulations. Ken's Chemistry Test, 1950, is being revised as the Anderson-Fisk Chemistry Test and should be available sometime next year.

Dr. Olaf Anfinson, Professor of Physical Science, California State College at Long Beach, besides teaching Physical Science and Introductory General Physics, supervises student teachers of science and mathematics. His text, Understanding the Physical Sciences, is published by Allyn and Bacon.

Dr. Charles K. Arey, Professor of Education, University of Alabama, directed an Aerospace Education Workshop this past summer.

Dr. Luther A. Arnold of the University of Florida spent part of the summer traveling in Spain, Greece, Italy, and India. He was a consultant and lecturer in a CHEM Institute, University of Bangalore, Bangalore, India during the spring of 1965. Luther also directed the National Science Foundation Secondary Research Participation Program at the University of Florida for the seventh consecutive year. Dr. Arnold is the Executive Secretary of the Florida Foundation for Future Scientists and the State Director of Florida State Talent Search.

Dr. Gene Atkinson as Professor of Physical Science and Associate Dean, Instruction at California State College at Long Beach. He supervises student teachers in science and mathematics, teaches basic physics and physical science, and assists the Dean in budgetary and academic personnel matters.

Dr. Cyrus W. Barnes of New York University has been granted a sabbatical leave from September to February. Dr. Barnes was busy during the summer in conducting a workshop in science for Elementary Teachers and acting as a consultant for a children's summer camp.

Dr. Richard E. Beitzel, Professor of Chemistry, Bemidji State College, was visiting Professors of Science Education at the State University of Iowa during the 1965 summer session. He also served as science consultant for a Minnesota State Department of Education sponsored workshop for elementary teachers, elementary school principals, and secondary school science teachers.

Dr. Lloyd M. Bennett, Assistant Professor at Texas Woman's University, has an article entitled "Magnet, Magnetism, and Magic" in the July 1965 issue of Texas Outlook. Lloyd's main teaching assignments are in secondary and elementary science education courses.

Dr. Laddie J. Bicak, Associate Professor at Kearney State College, has been working with the Nebraska State Education Department in its efforts to develop in-service institutes for elementary school science teachers during the 1965-1966 school year.

Dr. Paul E. Blackwood is back on the job after spending the month of August in England, Scotland, Denmark, the Netherlands, and France. Paul has been reappointed for a three year term to the Commission on New Curriculum Developments of the Association for Supervision and Curriculum Development. NARST members should find the ASCD's report Using Current Curriculum Developments particularly interesting. Chapter VI pertains to Mathematics and Chapter VII to Science.

Dr. Sam S. Blanc has a new elementary science series grades K-6 just off the press. The series is published by Holt, Rinehart, and Winston and is entitled, Science-A Modern Approach. Sam directs the teaching of science and mathematics in grades K-8 in all the schools in the Cajon Valley Union School District in California.

Dr. Jacob W. Blankenship, Assistant Professor Education, Oklahoma State University, has an article entitled "Biology Teachers and Their Attitudes Concerning BSCS" in the March 1965 issue of the Journal of Research in Science Teaching.

Dr. Clarence Boeck was recently elected to the Board of Directors of the Central Association Science and Mathematics Teachers. Dr. Boeck attended a conference at San Francisco in May on Teacher Education for the Howard Project Physics and in July he participated in the conference on Teacher Education for Earth Science Curriculum Project at Boulder, Colorado.

Dr. John R. Bolte was promoted this summer to Associate Professor of Physics, San Diego State College. Dr. Bolte was a conference participant at the Advanced Placement Subject Matter Conference on Physics, June 24-26, 1965 which was held at the University of California at Berkeley.

Dr. Julian R. Brandou of the Science and Mathematics Teaching Center at Michigan State University spent the spring term, 1965, as a visiting lecturer in the American Schools at Mexico D F and Monterey. Dr. Brandou also served for the third summer as co-director of the CHEM Institute at Michigan State. The Science and Mathematics Teaching Center is now occupying a fine, new physical facility which was designed by Dr. Brandou.

Dr. Paul F. Brandwein is presently Director, Pinchot Institute, Adjunct Professor Education and Conservation, The University of Pittsburgh, and Director of Research, Harcourt, Brace, and World.

Dr. Charles B. Breedlove, Associate Professor, Eastern Michigan University, continues as a member of the State Science Curriculum Committee and is co-chairman of the Great Lakes Regional Conference of NSTA.

Dr. Willard A. Brown of San Francisco State College spent the summer in N.E. Brazil doing industrial development work as a generalist engineer in the RITA projects program of USAID. Willard coordinates the elementary science education training program and teaches courses in elementary science education and general physical science.

Dr. Robert R. Buell assumed the chairmanship of the Division of Curriculum and Teaching at the University of Toledo on July 1, 1965. Dr. Buell is to be commended for being the recipient of the 1964-1965 Outstanding Teacher Award of the University of Toledo.

Dr. Ernest Burkman has been appointed Head of Science Education at Florida State University.

Dr. Phyllis S. Busch, Director of the Teacher's Institute for the Development of Science and Conservation Instruction, Conklin Hill, Stanfordville, New York is engaged in organizing the institute for the purpose of guiding teachers to incorporate outdoor conservation and science teaching into their existing science curriculum.

Dr. David P. Butts, Associate Professor, The University of Texas is the Science Consultant and Co-ordinator for the AAAS Try-Out Center in Austin, Texas and the Director of the TAB Inventory of Science Project which is developing a test in measuring the science reasoning behaviors. David was a member of the AAAS Summer Writing Conference at Michigan State University.

Dr. Loren T. Caldwell, Professor and Head of the Department of Earth Science at Northern Illinois University, spent part of the summer studying the geology and geography of the Canadian Rocky Mountains and of Alaska. Dr. Caldwell has been particularly active in developing the Teacher Education Curriculum for Secondary School Teachers of Earth Science.

Dr. Arthur Carin is co-author of the textbook Teaching Science Through Discovery which is published by Charles E. Merrill Book Co. In addition to teaching graduate courses in elementary education and assisting the chairman of the department, Dr. Carin serves as president of the Board of Education, Jericho, N. Y.

Dr. Robert Chinnis of the American University, Washington, D.C. teaches science methods courses and courses in biological and physical science for elementary teachers. Bob also handles in-service work for the State of Maryland in science education.

Dr. G. S. Craig, Professor Emeritus of Natural Sciences, Teachers College, Columbia University, was the recipient of a citation by the Council of Elementary Science International on April 23, 1965.

Dr. H. William Crall, Professor of Biological Sciences at Western Illinois University teaches introductory and advanced courses in botany, zoology, and methods of teaching science. His summer activities include being a Travel Study Leader for NEA--Hawaii, Alaska, Canada, and Africa. He is presently working on a text for the Teaching of Biological Sciences.

Dr. Glenn H. Crumb, Professor of Physical Science, Kansas State Teachers College was instructor for United States Department of State Seminar in Elementary Science and Mathematics Education at Kansas State Teachers College, Emporia, Kansas, July 11 to July 31, 1965. At present, Dr. Crumb is studying under a U. S. Office of Education grant, the influences affecting understanding in science in the secondary schools.

Dr. Ernie L. Cummins of Oregon College of Education at Monmouth, Oregon will direct this year's N.S.F. In-Service Institutes in Mathematics for Elementary Teachers and in Earth Science for Secondary Teachers in addition to his regular teaching in physical sciences courses.

Dr. Jerry B. Davis has an article in the April, 1965 issue of The American Biology Teacher entitled "Teaching of Values and the Biology Teacher."

Dr. Davis teaches secondary science education courses and supervises student teachers in science at Hofstra University, Hempstead, Long Island, New York.

Dr. Warren M. Davis is superintendent of schools of the Union County Regional High Schools, Berkeley Heights, New Jersey.

Dr. William W. Day is Head, Department of Education at Ferris State College, Big Rapids, Michigan. Bill is another NARST member who is on the Michigan Science Curriculum Committee.

Dr. Norman F. Dessel is Associate Professor of Physics at San Diego State College and senior physicist at U. S. Navy Electronics Laboratory (physical optics). Dr. Dessel served recently as a member of the Teachers College Columbia University team in India.

Dr. Frederic B. Dutton has returned to his position as Director, Science and Mathematics Teaching Center, Michigan State University after spending a year as Program Director, Course Content Improvement Program in the Division of Pre-College Education in Science, National Science Foundation.

Dr. Jay Erickson, Associate Professor of Natural Sciences at Teachers College, Columbia University took part in the AAAS Summer Writing Conference this past summer. Jay was listed recently by the Junior Chamber of Commerce as one of the Outstanding Young Men of America. Dr. Erickson served as the Adviser for the General Science 16 mm. sound films distributed by McGraw-Hill.

Dr. Albert F. Eiss is Associate Executive Secretary of the National Science Teachers Association. Dr. Eiss writes that: "The Commission on the Education of Teachers of Science of the National Science Teachers Association, for the academic year 1965-66, is planning a series of conferences to consider problems of science teaching in junior colleges, to find the extent to which these problems are similar to or different from the problems of four-year institutions and universities. These meetings will be held in cooperation with the State Academies of Science of the states in which the meetings are held, as follows:

- Detroit, Michigan - October 15-16, 1965, in conjunction with the Great Lakes Regional Conference of the Association
- Tucson, Arizona - October 29-30, 1965, in conjunction with the Southwest Regional Conference of the Association
- Philadelphia, Pa. - April 22-23, 1966.

Mr. Alexander Even is working on a Ph.D. in Educational Research at the University of Toronto. Mr. Even expects to complete the degree by June, 1966.

Dr. Frederick L. Fitzpatrick, Executive Office of Science Manpower Project, Teachers College, Columbia University, is presently engaged in administrative work and in writing two books, Modern Life Science and Investigating Living Things which are to be published by Holt, Rinehart, and Winston in January, 1966. Professor Frederick L. Fitzpatrick has retired from his position as Chairman of the Department of Science Education at Teachers College, Columbia University. In addition to the research that he carried on personally, he was the sponsor for dozens of research studies undertaken by doctoral students at Teachers College. It was largely Professor Fitzpatrick's initiative that led to the organization of the Science Manpower Project.

Dr. H. Seymour Fowler, Professor of Secondary Education, The Pennsylvania State University, was a delegate to the Conservation Meeting at the Pinchot Institute for Conservation Studies. Dr. Fowler authored Secondary School Science Teaching Practices.

Dr. Fred Fox of Oregon State University has an article in the Science Teacher, April, 1965, entitled "Levels of Performance in Teaching." Dr. Fox teaches undergraduate and graduate courses in science education and has served as assistant director of NSF sponsored summer institutes for science teachers at Oregon State University.

Dr. Thomas Fraser served as the Director of the Ninth Summer Institute for Secondary School Teachers of Science and Mathematics at Morgan State College. Tom has been elected to the Board of Trustees of Clablin College, Orangeburg, South Carolina.

Dr. Marjorie Gardner of the University of Maryland served as consultant on the Teachers College, Columbia University AID team during the past year and taught CHEM Study at Central College, Bangalore University, India. Margaret also served again as a member of the 1965 Summer Writing Conference for the Earth Science Curriculum Project. Congratulations are to be extended to Margaret on being nominated as "Outstanding Alumnus" of Utah State University.

Dr. Irwin H. Gawley, Jr., Professor and Chairman of Department of Science at Montclair State College is President of the Association of New Jersey State College Faculties. He has an article in Journal of Research in Science Teaching, Vol. 3, describing the secondary school science teacher education at Montclair.

Dr. Harley F. Glidden writes that he will spend the fall quarter 1965 in Australia and New Zealand. Harley is Chairman of Division of Sciences at Colorado State College, Greeley, Colorado.

Dr. Harvey J. Goehring, Jr. teaches physics at the Penn Hills Senior High School in Pittsburgh and is writing a teacher's guide-Physical Science for Elementary Teachers.

Dr. Einar F. Grell is Director of Science, Half Hollow Hills Schools, Huntington, New York and a part time Instructor of Botany and Science in the Elementary School at Adelphi Suffolk College in Oakdale, New York. Dr. Grell has completed recently a six year ecological study, under a research grant by the National Science Foundation, of the waters of the Great South Bay on Long Island.

Dr. Hulda Grobman is completing an analysis of the 1962-65 evaluation of the BSCS materials. She served in March, 1965 as a consultant to the ad hoc committee of South American BSCS adaptation team supervisors, Lima, Peru.

Dr. Richard E. Haney of the University of Wisconsin at Milwaukee was promoted in September from Assistant to Associate Professor of Science Education.

Dr. William D. Hedges has left the position of Director of Bureau of Educational Research at the University of Virginia to assume the position of Curriculum Coordinator, Clayton Public Schools, Clayton, Missouri. At Clayton, Dr. Hedges will be engaged in evaluating existing programs, and in directing the development of new materials.

Dr. Lloyd Heidgerd is teaching natural science in the University College at Michigan State University.

Dr. Kenneth H. Hoover, Professor of Education, Arizona State University, was visiting professor at Central Washington State College, Ellensburg, Washington during the past summer. Dr. Hoover's text, Learning and Teaching in the Secondary School, is published by Allyn and Bacon, Inc.

Dr. Milton Hopkins, Editor-in-Chief, School Textbook Division, Secondary and Elementary, Holt, Rinehart, and Winston, Inc. was selected by Franklin Book Programs, Inc. to be one of two Americans to lead an educational writers workshop in Nigeria last April and May. Dr. Hopkins writes that there is great interest in all the NSF-approved programs in Nigeria and that copies of PSSC, CHEM, and BSCS are to be found on the shelves of the more important educational authorities in Africa.

Dr. Marvin L. Ivey has completed his first year as Department Chairman, Department of Natural Sciences, St. Petersburg Junior College, St. Petersburg, Florida.

Dr. Willard J. Jacobson, Chairman, Department of Science Education, Teachers College, Columbia University submitted the following news items:

Dr. Mary Budd Rowe of Stanford University has joined the staff of the Department of Science Education at Teachers College, Columbia University. Dr. Rowe will be involved in teaching and research in the Science Education Department and will serve as Center Coordinator of the New York Trial Center of the Science Curriculum Improvement Study (SCIS).

Dr. Morsley Giddings has just completed a study of factors that lead to success among Junior High School youngsters in science has joined the Center for Urban Studies in New York City. Dr. Giddings will be involved in science education research and development in the schools in disadvantaged areas of New York City.

Dr. Pauline Gratz participated in a conference on Science in General Education that was held at Rensselaer Polytechnic Institute.

Dr. Leland P. Johnson, Professor and Chairman, Department of Biology at Drake University is President, Iowa Academy of Science. Dr. Johnson was a member of the Ohio State University group for summer institutes in India, 1965 and attended the Second International Congress of Protozoologists, London, 1965.

Dr. Lloyd K. Johnson, Specialist for Science, U.S. Office of Health, Education, and Welfare has been with the U.S. Office since 1960 and has served NARST as Research Coordinator for a number of years.

Dr. Kenneth J. Jones, Lecturer, Graduate School of Education, Harvard University, teaches courses in elementary and intermediate statistics. Dr. Jones is also Research Associate, Harvard Medical School.

Mr. Paul Klinge, Associate Professor, is Assistant Dean for Research, Indiana University and Executive Associate, Indiana University Foundation. Paul is also Editor, The American Biology Teacher.

Dr. Arnold M. Lahti, Professor of Physics, Western Washington State College, is directing a U. S. Office of Education grant which is a six year study of physics experiments for grades 1-6.

Dr. George M. Laug, Professor of Science, State University College at Buffalo, New York has been supervising and coordinating the details involved in the construction of a New Science Building at the college.

Dr. Addison E. Lee, Director, Science Education Center, University of Texas, Congratulations to Dr. Lee in his election as President-elect, National Science Teachers Association and Vice-president, National Association of Biology Teachers. Addison is Project Director, Committee on Innovation in Laboratory Instruction, Biological Sciences Curriculum Study, University of Colorado, Boulder, Colorado.

Dr. Donald E. Lee, La Sierra College, Riverside, California directed a NSF-sponsored summer institute for general science teachers this summer. Dr. Lee also assumed the Registrar's duties at the college this summer.

Dr. Eugene C. Lee of Emory University taught science education during the first term of the summer session at the University of Colorado.

Dr. Herman I. Lepp, Chairman, Science Department, Newark State College, Union, New Jersey has been directing the Minnemast Experimental Center at Newark State College. Dr. Lepp designed the science department for the new Ocean County College in New Jersey and has been giving directions in the development of the program.

Dr. Jerry P. Lightner has accepted the position of Executive Secretary of the National Association of Biology Teachers. A national headquarters office was established on July 1, 1965 and is located in the Professional Building, 510 First Avenue North, Great Falls, Montana.

Dr. Vernon C. Lingren, Professor of Education, University of Pittsburgh, attended the Association for Student Teaching workshop at Wisconsin State University at Oshkosh to work with the Commission on Standards for Supervising Teachers and University Supervisors for AST.

Dr. Lorenzo Lisonbee, Consultant in Science Education, Phoenix Union High Schools System was President of the Arizona Academy of Science, 1964-65. He is currently chairman of the Biology Examiners, College Entrance Examination Board.

Dr. George G. Mallinson, Dean, School of Graduate Studies, Western Michigan University was elected chairman of the Council of the Central State Universities, which is a twelve-university consortium concerned with the use of Argonne National Laboratory and other scientific facilities.

Dr. J. Stanley Marshall has been appointed Associate Dean of the School of Education, The Florida State University. Stan writes that he aims to continue to be active in science education and that he will retain his professorship in the science education department. His new assignments will include the responsibility for planning and developing new programs in the School of Education.

Professor Maurer of Chico State College, Chico, California is Head, Physics-Physical Science Department. Dr. Maurer has been working on the revision of his laboratory manual, Experiments and Exercises in Physical Science, which is published by McGraw-Hill.

Dr. Leon A. McDermott has been elected Acting Chairman of the Department of Physics at Central Michigan University. Leon serves on the State Science Curriculum Committee and has conducted workshops for elementary teachers at the College of William and Mary.

Dr. Vaden W. Miles, Professor of Physics at Wayne State University, spent July and August, 1965 travelling in Norway, Sweden, Finland, and Denmark. During the academic year 1965-66, Vaden will be on sabbatical leave from Wayne State University visiting colleges and universities across the United States gathering information about physical science courses. He will also serve as consultant to the Commission on College Physics of the American Association of Physics Teachers and their project, Physical Science for Nonscientists, with headquarters at Rensselaer Polytechnic Institute.

Dr. Lester C. Mills of Ohio University has been serving as science advisor to the Faculties of Pedagogy in Vietnam under Ohio University's contract with A.I.D. Dr. Mills expects to return from this assignment in July, 1966.

Dr. M. Everett Myer is associated with the Department of Teacher Education at Western Michigan University, Kalamazoo, Michigan and he teaches curriculum and general methods.

Dr. Nathan A. Neal is Editor-in-chief, Webster Division, McGraw-Hill Book Company. He is in charge of the editorial program for elementary and high school materials of instruction.

Dr. Clarence H. Nelson, Professor of Evaluation Services, Michigan State University, is chairman of the Graduate Record Examination Committee for Advanced Biology, chairman of NSTA Evaluation Committee, and also chairman of CUEBS Panel on Evaluation and Testing. Clarence was a participant in the AAAS writing conference this past summer.

Dr. Pearl Nelson is Associate Professor, School of Education, Boston, University. She teaches courses in elementary school science and supervises student teachers in elementary schools. Dr. Nelson has been active as a lecturer and consultant in numerous activities associated with science education.

Joseph D. Novak, Secretary-Treasurer NARST, is on sabbatical leave from Purdue to work on programmed instruction in science at Harvard University. Joe will be working some of the time for the Harvard Project Physics.

Dr. Ellsworth S. Obourn has resigned from the U.S. Office of Education and now resides at Coral Ridge Towers, Apt. 905, 3233 N.E. 34th Street, Fort Lauderdale, Florida.

Dr. J. Bennett Olson of Purdue University was elected president of Association of Midwest College Biology Teachers for 1965.

Dr. Donald C. Orlich has been elected President of the A.A.U.P. Chapter at Idaho State University. Dr. Orlich has written with S. Samuel Shermis, The Pursuit of Excellence: Introductory Reading in Education which is published by the American Book Company.

Dr. Philip Peak is currently serving as Acting Dean of the School of Education at Indiana University.

Dr. Milton Pella, Professor Education, University of Wisconsin and President NARST, returned in September from Jordan where he had been serving for three months as a consultant to the University of Jordan.

Dr. James S. Perlman was promoted to Professor of Physical Science and History of Science at San Francisco State College in September, 1964.

Dr. Lincoln Pettit of the Natural Science Department at Michigan State University will be on an assignment in Nigeria January through March, 1966.

Dr. William M. Pierce, Associate Professor of Physics at Ohio University was elected a Fellow, Gemological Association of Great Britain

Dr. David Pierson, Associate Professor of Biology, Fort Hays Kansas State College was elected a Fellow in AAAS. Dr. Pierson teaches elementary and secondary school methods courses and coordinates the visiting lecture program in western Kansas.

Professor Samuel Ralph Powers, Emeritus, was the recipient of the Distinguished Service Award of the University of Minnesota and received the First Honorary Membership, Association for Education of Teachers in Science.

Dr. Fred T. Pregger, Professor of Science, Trenton State College teaches graduate and undergraduate courses in physics and science education.

Dr. David D. Redfield is teaching undergraduate courses for physical science majors at Florida State University.

Dr. John W. Renner, Chairman of Science, University Schools, University of Oklahoma was promoted recently to full professor. During the summer John worked with the Science Curriculum Development Study at the University of California at Berkeley.

Dr. Ernest D. Riggsby, Professor of Physical Science and Science Education, Troy State College, Troy, Alabama, directed a Summer Institute on Teaching Machines, Educational Technology, and Programmed Instruction.

James T. Robinson is Consultant, Secondary School Science, Los Angeles County Superintendent's Office. He has been a member of the BSCS Teacher Preparation Committee, 1964-1966 and was appointed Secretary-Treasurer, National Association of Biology Teachers, July 1 to December 31, 1965.

Dr. Sidney Rosen, Professor of Physical Science, University of Illinois returned in August 1964 from a year in Colombia, South America where he was special consultant for the Ford Foundation to the University of Antioquia in the city of Medellin. Dr. Rosen has written with R. Siefried and J. Dennison, a textbook, Concepts in Physical Science which was published in June by Harper and Row.

Dr. James A. Rutledge, Professor of Secondary Education, University of Nebraska is chairman, Junior Academy Committee, the American Association for the Advancement of Science, Academy Conference, 1965-66 and is the Regional Representative, Board of Directors, National Science Teachers Association, 1964-66. Dr. Rutledge supervises student teachers in science in the University High School and in Lincoln Public Senior and Junior High Schools.

Professor Edith M. Selberg, Department of Science Education, San Jose State College, was the recipient of the Forty-Fifth Science Education Recognition Award. Besides teaching college classes, Professor Selberg supervised student teaching and conducts classes for in-service education in science for elementary teachers in the Bay Area.

Dr. Belle D. Sharefkin of Brooklyn College-City University of New York conducts classes in the teaching of mathematics and science methods and materials.

Dr. Lois Meier Shoemaker, Retired Professor of Science, Trenton State College has two recent publications, Wildflowers Along New Jersey Highways and Byways and Shrubs and Vines of New Jersey. Both of these are published by the New Jersey State Museum. Dr. Shoemaker has in preparation, The Amphibians of New Jersey.

Dr. John S. Shrader is back at his position as Professor of Science Education, Central Washington State College after having served as Interim Professor at the University of Florida while Dr. Bingham was in India.

Dr. J. Hervey Shutts, Consultant in Science, Minneapolis Public Schools is President of the National Science Supervisors Association. Dr. Shutts works with about 1300 elementary teachers and 143 secondary science teachers.

Mr. Alfred A. Silano of Newark State College was promoted recently to Associate Professor of Physics. Professor Silano teaches college physics, electronics, and modern physical science.

Dr. M. Daniel Smith of Earlham College, Richmond, Indiana is conducting research in ordered sequences of concept formation tasks in area of vector spaces. Dr. Smith is Program coordinator, Harvard Project Physics.

Dr. Harold S. Spielman, Associate Professor, City College, City University of New York has just completed a book entitled, Electronics Sourcebook for Teachers, Hyden Publishing Company, 1965.

Julius Schwartz, Consultant in Science, Bureau of Curriculum Research, Board of Education, New York City, is the principal researcher and writer of teachers' guides in elementary science for New York City. He has just completed a revision of the elementary science program. A new feature of the publication, Science K-2 is a full kindergarten program which resulted from a study in eighteen pilot schools.

Dr. Wayne Taylor, Associate Professor, Michigan State University was elected Chairman, International Science Fair Advisory Council for 1965-66. Wayne is currently working with the sub-committee of the AAAS Cooperative Committee on a study of the pre-service professional education content for science teachers. He served as Director of Conference of State Supervisors of Mathematics of State Department of Education which met at Michigan State University in June, 1965.

Dr. Seymour Trieger, Associate Professor, College of Education, Temple University, has in press, The Biological Environment: A Sourcebook for a Modern Elementary School Science Program. Bureau of Publications, Teachers College, Columbia University.

Dr. Leslie W. Trowbridge of Colorado State College was recently appointed as one of the ten professors to write "The Role of the Teacher" for the 75th anniversary publication for Colorado State College.

Dr. William C. Van Deventer, Professor of Biology, Western Michigan University, Kalamazoo, Michigan, has been teaching "Method" course (BSCS) for pre-service high school teachers. Bill has directed research with the Michigan Science Curriculum Committee on junior high school interdisciplinary laboratory experiences under a cooperative research grant from the U.S. Office of Education.

Dr. Edward Victor, Professor of Science Education, Northwestern University, has published a new text, Science for the Elementary School, Macmillan, 1965. Dr. Victor is the president-elect of the Association for the Education of Teachers of Science (AETS).

Dr. William Walsh, Associate Professor, College of Education, Michigan State University served this past year as President, Association for the Education of the Teachers of Science, Mid-west region. Bill co-authored recently a text, Student Teaching and Internship in Today's Secondary School.

Dr. Nathan S. Washton, Professor of Education and Coordinator of Science, Queens College, presented a paper in "Teaching Science for Creativity" in September in Vienna, Austria at the meeting of the International Association of University Professors and Lecturers.

Dr. Fletcher G. Watson, Professor, Graduate School of Education, Harvard University, is Co-Principal Investigator with Professor Gerald Holton of Harvard Project Physics. He was on sabbatical leave, 1964-65, as Ford Foundation Fellow in Europe observing the actual teaching of science in nine countries. Fletcher writes that the "Emphasis was upon secondary schools, mainly those for the academically more able pupils. Visited and observed in: England, Scotland, Sweden, Holland, Denmark, Belgium, France, Germany, and Spain. At best all the visits were brief. But the combination of observations and discussions provided some insight into the present state of activities, plans for change, and the need for changes resulting from the rapidly swelling enrollments of non-pre-university pupils in upper secondary schools in all countries.

There was much interest in American education, but generally the information available about what we do was scant..."

Dr. Allen D. Weaver, Professor of Physics, Northern Illinois University, participated this past summer as a research associate in the School Science Curriculum Project at the University of Illinois. He has an interesting article entitled "Misconceptions in Physics Prevalent in Science Textbook Series for Elementary Schools" in the March, 1965 issue of School Science and Mathematics.

Dr. Stanley E. Williamson, Professor and Chairman, Department of Science Education, Oregon State University, continues to serve as Director of Academic Year Institutes and Summer Institutes at Oregon State. Stan reports that he has twenty-seven individuals working on doctoral programs in science education.

Dr. John H. Woodburn, co-author with Ellsworth Obourn of Teaching The Pursuit of Science, conducted the NSTA's 1965 International Youth Science Fortnight group. During the year, John teaches Chemistry at Walter Johnson High School, Bethesda, Maryland, and for several years has taught during the summer, the elementary and secondary school methods courses at the Johns Hopkins University.

Dr. Robert E. Yager, Associate Professor, University of Iowa teaches biology in the University High School and a number of undergraduate and graduates in science methods or science seminars in the University. He also carries on administrative and supervisory assignments. Dr. Yager is editor, Iowa Science Teachers' Journal and during the past year devoted considerable time to the Junior Academy Program.

Dr. S. Marian Young, Associate Professor, University of Florida, has served as Chairman of the State Committee on Science for Florida's Children. Dr. Young teaches courses in elementary school science and science education in the Elementary School.