

1990

Science Notes - Contribute to ChemSource

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Contribute to *ChemSource*

ChemSource is a new project designed to provide detailed support for inexperienced secondary school chemistry teachers (pre-service teachers or inservice teachers in their first three years of chemistry teaching). The two major components that will be developed, piloted, revised, tested and disseminated over the next three years are *SourceBook* and *SourceView*. The project is funded by the National Science Foundation and originated in the Society Committee on Education of the American Chemical Society. Its principal investigator is Mary Virginia Orna.

SourceBook will be a resource book related to over thirty topics commonly taught in the high school curriculum. Its specific teaching tips and the best instructional ideas and information will be gleaned from experienced, successful chemistry teachers. General viewpoints on effective chemistry teaching will be presented together with laboratory activities, demonstrations, puns, metaphors, discrepant events, common misconceptions, humor, media, etc. This support material is being prepared by 11 regional writing cluster groups of high school and university teachers of chemistry in various parts of the country. *SourceBook* will be available on disk as a searchable data base and in hard copy format. The *SourceBook* co-directors are Marjorie Gardner, Lawrence Hall of Science University of California-Berkeley and Henry Heikkinen, University of Northern Colorado at Greeley.

SourceView will use video and other technologies to introduce inexperienced teachers to successful teaching strategies related to laboratory and classroom instruction and management (e.g. introducing concepts, leading effective discussions, questioning skills, problem solving, assessment). Both expert and novice teaching behaviors will be modeled. Approximately two hours of videotaped sequences will be produced by a team of expert teachers in the Bloomington, Indiana, area. The *SourceView* director is Dorothy Gable, Indiana University, Bloomington.

ChemSource can use teacher input. If you have any favorite puns, cartoons, anecdotes, jokes, true stories, discrepant events, student misconceptions, demonstrations, reference works, software packages, computer programs, etc., please send your information to Mary Virginia Orna, Department of Chemistry, College of New Rochelle, New Rochelle, NY 10801.

In addition, *ChemSource* is seeking reviewers for the drafts of the materials it produces. Topics being developed are Acids and Bases, Alkali Metals, Atomic Structure, Biochemical Technology, Biochemistry, Bio/Geochemical Cycles, Bonding, Chemical Equilibrium, Chemical Reactions, Complexes, Condensed States, Electrochemistry, En-

ergy/Thermochemistry, Environmental Chemistry, Gases, Halogens, Household Chemistry, Materials Science, The Mole, Molecular Geometry, Nuclear Chemistry, Organic Chemistry, Organic Polymers, Out-of-Home Chemistry, Oxidation-Reduction, Periodicity, Precipitation and Solubility, Qualitative Analysis, Rates of Reactions, Separations, Solutions, Stoichiometry and Transition Metals. If you have expertise in any of the above areas, or if you feel anything has been left out, please communicate this to Mary Virginia Orna at the above address. We would like to have as much input as possible from many experienced teachers, and we count on yours.

*from The ICE-CYCLE,
Vol. 4(3), May 1990*

National Energy Education Development Project

This year marks the tenth anniversary of the National Energy Education Development (NEED) Project. Launched by a Congressional Resolution in 1980, the project was designed to introduce or enhance energy education programs in all American schools.

The project links more than 5000 schools nation-wide through its network of students, educators, community, industry and government leaders. Among the program and activities sponsored by NEED are annual National Leadership Training Conferences, the distribution of participation kits (including resource guides, activities, energy background reports and information on energy education polls) surveys and awards programs.

School NEED committees and student groups within those schools are eligible to participate in NEED's Youth Awards Program for Energy Achievement. Entrants must demonstrate an ability to plan and conduct multiple and varied energy education activities in their schools and communities. The contest provides recognition to outstanding energy education projects on both state and national levels, identifies activities that can be shared with other schools and prompts students to be involved in energy education throughout the school year.

All school NEED projects culminate with special week-long celebrations highlighted by NEEDay (officially the second to last Friday in March; however, many schools choose to celebrate it at a time that better fits their schedules). In 1991, NEED week officially begins on March 18 and NEEDay is March 22.

The basic network fee to join NEED is \$75, but, this year, membership is free to all schools and youth groups. For more information, contact the NEED Project, P.O. Box 2518, Reston, VA 22090.

--S.A.A.