STUDENTS AND TEACHERS AS RESEARCH SCIENTISTS
"Experiencing the Scientific Enterprise to Enhance Science Education"

DEFINITION OF ACTIVITIES

The activities for the Students and Teachers As Research Scientists listed on the program "Schedule of Activities" are described as follows.

Collaborative: A meeting of all participants and the mentors scheduled as the first activity each day. It is an opportunity for participants to share their experiences and concerns. Extra help will be provided for research projects, paper writing assignments, library skills, computer skills, lesson preparation and any other activities that are part of the program.

Communication Course: A formal course that includes an introduction to research documentation, development of writing skills for abstracts, summaries, technical definition, analysis, technical reports, and proposals. Skills for oral presentation of research papers are discussed and practiced. Participants will learn how to develop a formal vita.

Lab Rounds: Teachers and students will visit the research setting of other participants, meet the laboratory workers and mentor scientists, and discuss ongoing research and career opportunities.

Library Computer Lab, Library Search Techniques: An introduction to the use of library facilities, use of computer listserve searches, and interlibrary loan services. All participants will have access to the library facilities at Saint Louis University, Washington, University and the University of Missouri-St. Louis.

Lunch: Lunch on your own or with research lab personnel.

Lunch Provided: Lunch together with all participants scheduled with a program activity.

Philosophy/Ethics: A series of activities on the history and development of scientific thought and the process of seeking the truth and related ethical behavior.

Orientation: Definition and outline of summer science program. Participants introduce themselves formally and through mixer activity.

Paper Presentation: Culminating activity during which participants orally present their research paper. Presentations are ten minutes in length with two minutes for questions.

Research: Work with mentor scientist on research project.

Science Inquiry Series: A series of presentations of specific, timely topics in mathematics and science given by senior scientist or philosopher.

Welcome: Appropriate staff welcomes students, teachers, and faculty to summer program.