court, where they are introduced to the physiology and physics of the sports. The concluding days of the program are filled with finalizing research papers and making oral presentations.

The George Engelmann Mathematics and Science Institute is a successful program that provides talented high school students with a creative, interdisciplinary approach to learning advanced concepts in mathematics and science.

Additional information regarding The George Engelmann Mathematics & Science Institute and Summer Science Scholar Program can be obtained by contacting:

Dr. Charles R. Granger, Director
The George Engelmann Mathematics & Science Institute: UM - St. Louis
8001 Natural Bridge Road
St. Louis, Missouri 63121-4499
(314) 553 - 6226

RESEARCH AND SCHOLARLY WORK IN CHEMICAL EDUCATION

Reprinted from the Division of Chemical Education of the American Chemical Society

The following list suggests activities that might be used in making tenure and promotion decisions for faculty members whose emphasis is in the area of chemical education. In addition to excellence in teaching, research, and service (the traditional criteria for granting tenure or promotion), activities such as these should also qualify as scholarly work in chemical education.

1. Development of New Courses and/or Curricula, such as:
   Chemistry Courses for Science or Non-Science Majors
   Science Education courses for Teachers
   Laboratory Courses
   Special Topics Courses

2. Leadership at Professional Meetings
   (Local, Regional, National, or International)
   Invited Lecturer
   Presenter of Papers or Posters
   Organizer of Symposium or Workshop
   Chairman of Professional Organization or Committee

3. Published Articles in Journals such as the following:
   Journal of Chemical Education
   Journal of College Science Teaching
   Science Education
   School Science and Mathematics
   Journal of Research in Science Teaching

4. Submission and Funding of Grant Proposals for projects such as:
   Chemical Education Research
   Laboratory Instrumentation
   Teacher Pre-Service or In-Service Programs
   Science Programs for Primary or Secondary Students
   Production of Chemistry Teaching Materials

5. Contributions Toward Instructional Improvement, such as:
   Introducing New Chemical Demonstrations
   Developing New Laboratory Experiments
   Providing Guidance for Teaching Assistants
   Creating Models or Other Visual Aids for the Classroom
   Finding New Uses for Computers in Chemistry Teaching
   Developing Audio-Visual Materials or Computer Software

6. Other Activities in Chemical Education:
   Authoring a Textbook or Support Materials
   Review of Textbook or Journal Manuscripts
   Review of Chemistry Programs or Grant Proposals
   Interpretation of Chemistry for the Public
   Involvement in Writing of National Chemistry Exams
   Participation in Chemical Meetings or Workshops
   Service on Chemical Education Committees or Task Forces