

**REPRESENTATIVE SHORT COURSES-WORKSHOPS-SEMINARS FOR WHICH
"MINI GRANTS" HAD TO BE WRITTEN**

Frank J. Gadek

In general, "**mini grants**" were written and submitted to apply for these activities. Usually, room / board and course fees / materials, but not travel expenses, were covered by the grant, if you were accepted into the program. Thus, each "mini grant" was worth from about **\$1000 up to several thousand dollars**, depending on the length of the activity.

1994

"**Innovations in College Chemistry Teaching**," Gordon Research Conference, Casa Sirena, CA, **January 9-14, 1994**. 1993 NSF Planning Grant also paid for some expenses.

1993

Fourier-Transform and Multinuclear NMR [nuclear magnetic resonance] Research Project month long funded by the National Science Foundation [NSF], at Lebanon Valley College, Annville, PA, **July 1993**. A book of spectra resulted from this work.

"**Changing Science Courses to Promote Critical Thinking**," by Craig E. Nelson of Indiana University, sponsored by the University of Dayton, OH, **May 24-26, 1993**.

A Chautauqua Short Course funded by the National Science Foundation [NSF].

"**Science, Technology and Society: The New Approach to Integrative General Education**," by Leonard Waks of Pennsylvania State University, sponsored by the University of Pittsburgh, Pittsburgh, PA, **May 3-5, 1993**.

A Chautauqua Short Course funded by the National Science Foundation [NSF].

"**Revitalizing Undergraduate Science: Chemistry in Context**," by Sheila Tobias of the University of Arizona and A. Truman Schwartz of Macalester College, sponsored by the University of Arizona, Tucson, AZ, **March 18-20, 1993**.

A Chautauqua Short Course funded by the National Science Foundation [NSF].

Representative Short Courses-Workshops-Seminars for Which "Mini Grants" had to be Written

Frank J. Gadek

1991

"**Workshop on Fourier-Transform and Multinuclear NMR,**" directed by Richard Cornelius and Scott Hill, a National Science Foundation [NSF] funded one week training session at Lebanon Valley College, Annville, PA, **July 1991**.

"**Microscale Organic Laboratory Techniques,**" directed by Professors Dana Mayo and Ron Pike, a National Science Foundation [NSF] funded one week course at Bowdoin College, Brunswick, Maine, **June 17-21, 1991**.

1980'S

"**Summer Course in Polymer Chemistry for University Faculty,**" a National Science Foundation [NSF] funded three week course, directed by Associate Professor Gary E. Wnek, Rensselaer Polytechnic Institute, Troy, NY, **July 10-28, 1989**.

"**Microscale Organic Experiments,**" a National Science Foundation [NSF] funded week long Summer Institute, directed by Professor Kenneth L. Williamson at Mount Holyoke College, South Hadley, MA, **June 1988**.

1970's

"**A Practical Course in Liquid Chromatography,**" by the Waters Associates Training Department, Milford, MA, **June 1978**. Course was offered by Waters at no expense other than travel, because of my innovative wine research activities.