I. Nominations for the Board of Managers

At the time of the next annual meeting, John Ferraro and Norman Colthup will retire from the Board of Managers. Continuing on the Board will be Drs. Bauman, Durig, Nixon, and Whetsel. This is the time to let your thoughts be known concerning possible nominees for the Board for a three-year term beginning in 1973. Please send your recommendations as soon as possible to Dr. John Ferraro, Argonne National Laboratory, 9700 South Cass Avenue, Argonne, Illinois 60439 (Area Code 312, 739-7711, ext. 2636).

II. Report on Coblentz Spectra Publication Program

At the 1972 Pittsburgh Conference, the analysis of assets and liabilities showed that the Society was suffering from a cash flow problem, as might be expected since a major investment in producing each set of spectra is recovered only slowly as the sets are sold. An ad hoc committee was appointed to reexamine the policy issues associated with the spectrum publication program. The committee mailed out questionnaires to the membership in the spring, asking for input on both broad and specific questions. Preliminary analysis of the many questionnaires returned showed a very significant majority favoring continuation of the program on a fiscally conservative basis. The committee is seeking ways of implementing these wishes, and wish to thank the membership for the unusually high percentage of returns on the questionnaires and for the many thoughtful comments.

III. Nomination for the Coblentz Award

The Coblentz Award is now well established as a major recognition of accomplishment in the field of molecular spectroscopy. Its continued success depends on your participation in nominating worthy candidates for this honor. The only restriction is that the nominee must be 35 or under. Please send the name(s) of your choice to the Secretary, Dr. R. W. Hannah, c/o The Perkin Elmer Corporation, 761 Main Avenue, Norwalk, Connecticut 06851 before October 15. It would be helpful to the selection committee if supporting data (publications, etc.) were included, but this is not essential. The important thing is to get your nominees' names in soon!

IV. Educational Movies Available

Two Super-8 movies on infrared techniques are now available for loan to any Coblentz Society member. One film covers the proper way to make a mull. The other deals with optimizing the variables on a high-quality infrared spectrometer (a Perkin Elmer 521 and a Beckman IR-12 are used in the film). The maximum loan period is two weeks. Inquiries should be addressed to Mrs. Jeannette G. Grasselli, Research Laboratories, Standard Oil Co. of Ohio, 4440 Warrensville, Center Road, Cleveland, Ohio 44128.
IV. AIT

The Coblentz Society announces an Advanced Infrared Techniques Clinic to be held on Friday, March 9, 1973, in conjunction with the Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy, Cleveland, Ohio. The clinic will provide a workshop experience in which the advanced spectroscopist can optimize his techniques for obtaining high quality (Class II) infrared spectra. Grating spectrometers will be available for demonstration and use. The instructors will be R. N. Jones, R. W. Hannah, W. J. Potts, A. L. Smith, C. D. Craver, and R. J. Manning.

Attendance at the clinic will be limited to 24 registrants and a fee will be charged. Requests for further information and registration should be addressed to Dr. R. W. Hannah, The Coblentz Society, Perkin-Elmer Corporation, 761 Main Avenue, Norwalk, Connecticut 06852.

V. Recommended Names and Symbols

A tabulation of symbols and definitions relating to electromagnetic radiation and spectroscopy is included with this mailing. The material is from the IUPAC tentative Information Bulletin No. 24 (June, 1972) and is presented through the courtesy of Dr. R. N. Jones of the National Research Council of Canada. Comments, criticisms, or suggestions may be sent to Dr. Jones or to Dr. F. A. Miller, Department of Chemistry, University of Pittsburgh, Pennsylvania 15213.

VI. What's Wrong With This Spectrum?

A. Answer to the problem in Mailing No. 53. The mistake in solvents (CCl₄ from 3800 to 1300; also from 1300 to 500--the latter segment should have been CS₂) was caught by a number of people--P. R. Ferguson (Florida Presbyterian College) and Dorothy Elkind (Witco Chemical) sent their solution to the editor. The other mistake? The electronic balance control (drift control) was mis-set to give downward pen drift--note the effect on the zero point, and the appearance of CO₂ and H₂O bands in regions of low energy.

B. Today's Problem:

"I was running CCl₄ solution spectra using CsI cells from 500 to 200 cm⁻¹. A periodic pattern like interference fringes was superimposed on the spectrum. I checked both the sample and reference cells to make sure they were full, and they were. What was wrong?"

Send your answer to the Editor, A. Lee Smith, Dow Corning Corporation, P.O. Box 1592, Midland, Michigan 48640.