POLYMER NEWS

Polymer Workshops to Be Held

The Center For Professional Advancement located at the Arrowcrest Lodge on Lake Hopatcong, New Jersey, announces two intensive short courses designed for practicing chemists who have not received formal training in polymers. The Workshops will emphasize both fundamentals and practice and provide for considerable informal contact with the faculty and other participants.

Stability of Polymers, July 20–21, 1967

Factors in the Stability of Polymers, with Special Emphasis on Polyolefins	Dr. F. H. Winslow, Bell Telephone Laboratories
Light Sources	Dr. Norma Z. Searle, American Cyanamid Company
The Weather-Ometer	Mr. Matthew J. Babey, Atlas Electric Devices Company
The National UV Accelerometer	Dr. Leonard I. Nass, National Starch Company
The Xenotest	Mr. Harold H. Apt, Brinkman Instruments
Outdoor Weathering Tests	Mr. Roman Kuchkuda, Celanese Plastics Company
Antioxidants	Dr. David A. Gordon, Geigy Industrial Chemicals
Ultraviolet Absorbers	Dr. Chris Savides, American Cyanamid Company
Biocides	(To be announced)
Methods of Stabilizing Poly(vinyl Chloride)	Mr. Harold A. Sarvetnick, Skeist Laboratories

Tuition fee is $75; Dormitory fee is $80.

Second Annual Polymer Characterization Workshop, July 24–28, 1967

Fractionation	Professor F. W. Billmeyer, Jr., Rensselaer Polytechnic Institute
Viscometry	Professor F. W. Billmeyer, Jr., Rensselaer Polytechnic Institute
Osmometry	Dr. Edmund H. Immergut, Interscience Publishers and Polytechnic Institute of Brooklyn
Light Scattering	(To be announced)
Theory and Practice of Ultracentrifugation	Dr. Elliott Farber, Tenneco Chemical Company
Characterization of Polymers By Infrared Spectroscopy	Dr. William L. Truett, Wilks Scientific Corporation
Nuclear Magnetic Resonance Spectra of Polymers	Professor Edmund R. Malinowski, Stevens Institute of Technology
Thermal Analysis of Polymers	Mr. Robert F. Schwenker, Jr., Johnson & Johnson

Resinography	Dr. Theodore Rochow, American Cyanamid Company
Mechanical Properties and Test Methods	Professor Rodney D. Andrews, Jr., Stevens Institute of Technology
Microtechniques of Polymer Evaluation	Dr. Allan E. Sherr, American Cyanamid Company
Laboratory Processing as a Tool in Characterization of Polymers	Mr. P. T. McCoy, Union Carbide Corporation
Fracture of Polymers	Mr. John B. Howard, Bell Telephone Laboratories

Instructions will be provided in the use of gel permeation chromatographs, light-scattering photometers, osmometers, differential thermal analyzers, differential thermal calorimeters, torque rheometers, and high-speed mechanical testers.

Tuition fee is $175; Dormitory fee is $80.

For information and registration for both programs, please contact Dr. Norbert M. Bikales, Workshop Director, Center For Professional Advancement, P.O. Box 566, Hopatcong, New Jersey 07843. Telephone (201) 398-7110.

Physical Aspects of Composite Materials

An eight-day workshop entitled "Physical Aspects of Composite Materials" will be conducted by the School of Engineering and Applied Science of Washington University in St. Louis on July 13–21, 1967.

The purposes of the workshop is to discuss in detail the modern techniques of analysis and design of composite materials. In the three-day introductory session, the elementary theories of elasticity, plates and shells, and linear viscoelasticity will be covered by P. E. Chen, J. C. Halpin, and S. W. Tsai. The five-day advanced session following this will cover micromechanics by J. Dundurs, N. J. Pagand, and S. W. Tsai, anisotropic fracture mechanics by G. R. Irwin, dynamics of composite materials by P. C. Chou, viscoelastic stress analysis by R. A. Schapery, plasticity by T. H. Lin, nonlinear viscoelasticity by J. C. Halpin, metallic composites by M. Herman, structural synthesis by L. A. Schmit, and problems in design and testing by M. Waddoups. Interested persons may enroll in either or both sessions. The workshop is organized to promote maximum contact among the participants and faculty.

For further information concerning the program, write Dr. G. L. Esterson, Box 1048, Washington University, St. Louis, Missouri 63130.