Short Course in Modern Methods of Steroid Analysis

This year the Biochemical Section of the Education Committee will sponsor a Short Course in Modern Methods of Steroid Analysis at the Massachusetts Institute of Technology, Cambridge, Mass. A staff of international authorities on various aspects of steroid analysis will present a lecture program from July 21 to July 23, 1971, just before the International Congress of Pure and Applied Chemistry. Participants will have an opportunity to discuss advanced instrumental techniques for the identification, separation and quantitative determination of steroids and related substances, to visit modern laboratory and manufacturing facilities, and to see some actual demonstrations of currently used equipment. Although emphasis will be centered on analysis of steroid chemicals and derivatives, the techniques which will be discussed can be applied to other chemical types. This Course on Modern Methods is the first since the highly acclaimed Rochester Short Course of 1961.

Mass Spectrometry will be discussed by K. Biemann Massachusetts Institute of Technology) and C. J. W. Brooks (University of Glasgow); Nuclear Magnetic Resonance by H. Budzikiewicz (University of Cologne) and C. C. Hinckley (Southern Illinois University); X-Ray Diffraction Analysis by W. Steigemann (Max Planck Institute), J. Karle (U.S. Naval Research Lab.), and A. T. Christensen (Syntex Research); Optical Rotatory Dispersion and Circular Dichroism by G. Snatzke (University of Bonn), M. Legrand (Roussel—UCLAF), and P. Crabbé (Syntex S.A.); Infrared and Raman Spectrometry by B. Schrader (Inst. f. Spektrochemie u. angew. Spektroskopie) and M. N. Noone (Sadtler Research Labs.); Chromatography by K. Nakanishi (Columbia University), H. H. Wotiz (Boston University), W. J. A. VandenHeuvel (Merck, Sharpe & Dohme), D. F. Johnson (Nat. Inst. Arth. Metab. Dis.), and P. Vestergaard (Rockland State Hosp.); and Radio-Immunoassay and Other Isotope Methods by W. R. Slaunwhite, Jr. (State University of New York), M. B. Lipsett (National Cancer Institute), R. W. Jelliffe (University of Southern California), J. Fishman (Montefiore Hospital) and G. Abraham (Harbor General Hospital).

The Short Course will be under the direction of Erich Heftmann (U.S. Department of Agriculture), and H. H. Wotiz (Boston University) will be Local Chairman. Applications for registration should be sent to Nicholas Pelick, Supelco, Inc., Bellefonte, Pa. 16823, or Carl Hauber, American Oil Chemists' Society, 35 E. Wacker Drive, Chicago, Ill. 60601. The registration fee, which is $165 covers admission to the three-day course and housing at MIT, but not food, although refreshments will be provided by courtesy of local instrument manufacturers. Each registrant will also receive a copy of the treatise "Modern Methods of Steroid Analysis," based on the lecture series, to be published by Academic Press. The treatise is optional. The registration fee without a copy of the lectures is $145.

The course will be particularly useful to research workers, instrument designers, and teaching personnel with various degrees of expertise in either steroid analysis or instrumental methods. Lectures will cover not only theory, instrumentation and routine applications, but also novel approaches and extrapolations to future developments and general uses in natural product analysis. In view of the limited number of registrants that can be accommodated, early application is strongly recommended.

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