SPECTROSCOPY IN EDUCATION. VOL. 2, SPECTROSCOPIC TECHNIQUES IN ORGANIC CHEMISTRY, by A. J. Baker and T. Cairns (Heyden and Son Ltd., London, 1965 87 pp., $3.50).

The primary purpose of this book is to provide the graduating student or the practicing organic chemist with information on the use of spectroscopy in elucidating molecular structure. The book consists of four sections: infrared spectroscopy, NMR spectroscopy, mass spectrometry and ultraviolet spectroscopy. Each section begins with an introductory statement of the basis of the method, proceeds to experimental techniques and applications, correlation tables of important frequencies associated with the method, and mainly provides interpretations of a series of spectra. Diagrams for the four different types of instruments are presented.

The infrared section presents instructions for 12 laboratory experiments which include calibration of the instrument and its adaptation and use for different purposes. Spectra are presented and the data interpreted for eight compounds in the NMR section and for six compounds in the mass spectrometry section. In a discussion of the principles of mass spectrometry, examples are given to ilustrate the different fragmentation processes. The ultraviolet spectroscopy section presents rules of diene absorption; effects of -ynes and en-ynes; the carbonyl chromophore and enones; lactones, esters and amides; aromatic and heterocyclic compounds; finally, examples are given of spectra for six compounds which show effects of one group on another.

Those chemists who were not fortunate enough to receive such instruction in their college courses, but who need the help which can be provided by spectral measurements in their work, will find this book to be useful as an aid to understanding of the principles and interpreting the data, even though operation of the instrument may be performed by other, more specialized personnel.

A bibliography of text and reference books is provided in addition to references to original articles. The volume consists of 8½ × 11 inch pages printed (apparently multilithed) on one side only and fastened by a plastic ring binder. Legibility is good throughout the volume. It is part of a series of publications, of which Volume I is entitled "Spectroscopic Problems in Organic Chemistry."

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Two UCLA Programs in Gas Chromatography

Progress in Gas Chromatography

An Advanced Research Conference will highlight the week of March 20–24, 1967, devoted to gas chromatography at the University of California, Los Angeles. R. L. Pecsok, vice-chairman of the UCLA Chemistry Department, announced the "Progress in Gas Chromatography" program. On the two-day conference program for March 20 and 21 are: Fred Bauman, Varian Aerograph; Irving Bengelsdorf, Science Editor, Los Angeles Times; Nathaniel Brenner, Perkin-Elmer Corp.; W. D. Cooke, Cornell University; W. H. McFadden, USDA; D. M. Ottenstein, Johns-Manville Corp.; J. H. Purnell, University College, Swansea, Wales; and D. R. Rushneck, Barber-Colman Company. Lectures and Laboratory demonstrations will be conducted.

Principles of Gas Chromatography

The ninth short course in "Fundamental Principles of Gas Chromatography" will be held March 22–24. Its aim is primarily to instruct personnel from industry, although it may be equally valuable to persons in academic or government laboratories. The approach will be nonmathematical, using theory only to the extent necessary to understand the practical aspects and to obtain optimum results.

Fee for the two-day Conference will be $25, and for the three-day course $135. Additional information may be obtained by phoning or writing to H. L. Tallman, Physical Sciences Extension, 6532 Boelter Hall, University of California, Los Angeles, California 90024.

Sol Gershon Receives SCC Medal

S. D. GERSHON (1952), assistant director for development in the research and development division of Lever Brothers Company, was presented with the highest award of the Society of Cosmetic Chemists, the Medal of the Society, at its annual dinner-dance on Wednesday, November 30 at the Americana Hotel in New York City.

Dr. Gershon was honored for his outstanding contributions, both in academic life and industry, to the art and science of cosmetics and toiletries. William Mueller of the Toni Company, president of the Society, made the presentation.