

Quantitative Analysis of Lipids by Gas Chromatography

Short Course Scheduled by AOCS

The American Oil Chemists' Society is sponsoring a Short Course on gas chromatography which will emphasize the quantitative aspects of the analysis of lipids. The course will be held in the Pennsylvania Pocono Mountain Resort Area at the Pocono Manor Inn on Oct. 16-19, 1968, just prior to the Society's Fall Meeting in New York City. W. R. Supina (1964), SUPELCO, Inc., will chair the course.



W. R. Supina

While the course will include specific applications, the major emphasis will be concerned with the proper practices necessary to obtain quantitative data.

Included will be a discussion of the instrumentation, its limitations and proper methods of operation, again

with a view to quantitative results. Various methods of integration will be compared.

An important part of gas chromatographic analysis of lipids involves the preparation of suitable derivatives such as methyl esters, and trimethylsilyl ethers. Unfortunately this step is often the limiting factor in quantitative analysis and frequently is not performed with the care required. One part of the course will deal with the normal precautions which should be observed in preparation of derivatives.

The selection and method of preparation of column materials is often not given the care required for quantitative results. The columns not only influence the degree of separation, but also can either absorb or decompose some or all of the components in the sample. Recommended practices will be discussed in detail.

The interpretation of chromatographic data will include various calibration techniques and the use of internal standards.

The sessions on applications will cover fatty acids, bile acids, sterols and triglycerides, all stressing the quantitative aspects. During preregistration the participants will be given an opportunity to suggest other items of interest. If there is sufficient response to this survey, there will be a series of small group seminars set up to discuss the topics.

The course will be summarized with the basic limitations of gas chromatographic analysis and prospects for the future.

The Registration Fee for the Short Course will be \$140.00. The fee will cover the lectures, room and board



and all gratuities. For all those who are interested in registering for a single day of lectures, the fee will be \$50.00 per day. Family members are welcomed to attend and enjoy the recreational facilities of Pocono Manor Inn. The cost for a family member will be \$85.00 per person for the three day duration of the Course.

The Pocono Manor Inn is a modern, air conditioned hotel designed for business and pleasure in the heart of the Pocono Mountains of Pennsylvania. It offers a perfect setting for a Short Course and allows use of spacious grounds for a variety of activities. An indoor swimming pool, game rooms and a golf course are available for use. Twin bedrooms will be provided and registrants can indicate choice of room mates. Single rooms will be available for a limited number of applicants at a somewhat higher fee. Further announcements will be published in future copies of the JAOCS.

Membership in AOCS is not a requirement for attendance at the Short Course. We welcome all Chemists and Technicians interested in the "Quantitative Analysis of Lipids by Gas Chromatography."

Additional details on the course can be obtained from W. R. Supina, SUPELCO, INC., Box 628, Bellefonte, Pa. 16823.

Information on accommodations and local arrangements can be obtained from the local arrangements Chairman—Dr. Frank Naughton, Baker Castor Oil Company, 40 Avenue A, Bayonne, New Jersey 07002.

Spectrometry Journal Launched

Organic Mass Spectrometry is a new international journal, bimonthly at present—which has commenced publication.

It is the only journal devoted exclusively to *Organic Mass Spectrometry*. One of its major aims is to provide the important and growing field of research with its own international forum of communication as previously papers were scattered in up to 177 other journals.

Editor-in-Chief is Allan Maccoll, assisted by seven Regional editors. Publisher is Heyden and Son, Ltd., Spectrum House, Alderton, Crescent, London, N. W. 4.

Polytechnic Institute of Brooklyn Offers Summer Short Courses

The Polytechnic Institute of Brooklyn is offering a group of short summer courses which are tailored specifically to the needs of engineers, scientists and researchers working in industry. Their primary aim is to update the technical knowledge of these individuals in a minimum length of time.

Complete information may be secured from the office of William Lynch, Associate Dean, Polytechnic Institute of Brooklyn, 333 Jay Street, Brooklyn, N.Y. 11201.