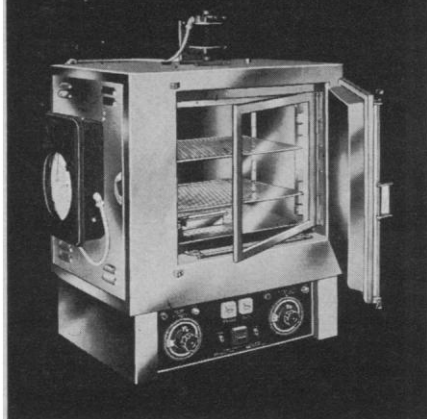


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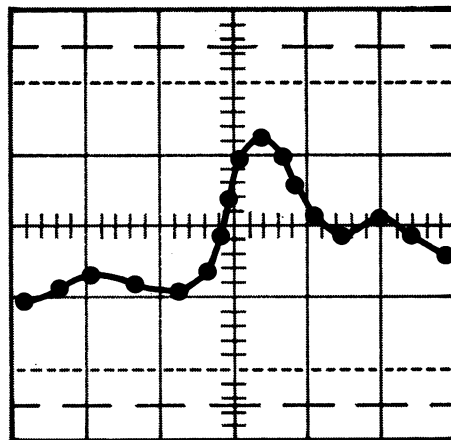
Courses

Atomic Absorption Spectroscopy, Washington, D.C., 25-26 October. This course is primarily for chemists and technicians interested in the application of atomic absorption spectroscopy to analysis and covers the fundamentals of atomic absorption theory as well as instrument designs. Comparison is made to flame emission and atomic fluorescence spectrometry. Topics include typical instrument component arrangements, methods of calibration and calculation, and sources of error in terms of spectral, flame, and chemical interferences. Specific applications will be drawn from typical industrial and clinical problems. *Fee*: \$80. (Education Office, American Chemical Society, 1155 16th St., NW, Washington, D.C. 20036)

Combustion-Generated Air Pollution, Berkeley, Calif., 22-26 September. Topics to be covered include combustion thermodynamics, vehicular and industrial emissions and control, detection and analysis of pollutants, atmospheric photochemistry, meteorology, analysis of pollution sources, effects on human beings and vegetation, waste disposal, and legal aspects of pollution. *Fee*: \$280. (Continuing Education in Engineering, University of California Extension, 2223 Fulton St., Berkeley, Calif. 94720)

Offshore Petroleum Exploration and Development, Los Angeles, Calif., 15-19 September. For individuals and members of companies with offshore petroleum exploration and exploitation interests, members of governmental agencies concerned with offshore leasing, and educators interested in petroleum resources of the sea and equipment needed in their development. To acquaint interested groups and individuals with the geological and geochemical setting of oil and gas accumulations beneath the sea floor and with techniques presently available and under consideration for exploring and producing them. General principles of petroleum geology; geologic, tectonic, and ecologic setting of offshore petroleum reservoirs; geochemistry of the origin, migration, and accumulation of petroleum; survey of major offshore exploration areas; engineering systems in geophysical exploration, drilling, and producing oil and gas from the sea floor; and offshore economics. Prerequisite is a bachelor's degree in engineering, science, or equivalent. *Fee*: \$275. (Engineering and Physical Sciences Extension, University of California, 10851 Le Conte Ave., Los Angeles 90024)

Column Selection in Gas Chromatography, Philadelphia, Pa., 27 September. This new course explores the critical step in gas chromatography, the selection of the proper column, from both the theoretical and practical point of view. Column materials, length, diameter, solid support, and percent liquid phase are discussed. The results obtained with different columns and different operating parameters are shown in chromatograms. Rules are developed to aid in choosing proper conditions. It is assumed that the participant is working with gas chromatography. No background in higher mathematics is required. *Fee*: \$45. (Education Office, American Chemical Society, 1155 16th St., NW, Washington, D.C. 20036)



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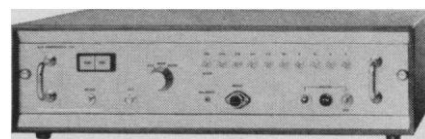
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