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*Closing Date: Applications close with the Registrar of the University on the 27th May, 1963.*

F. H. JOHNSON, REGISTRAR

and infrared lasers; (2) measurements of refraction, absorption, and homogeneity; (3) working and testing of surfaces, including large optical elements, moulded lenses, and aspherical polishing; (4) physical studies of glass, including x-ray techniques, infrared transmission characteristics of hot glass, the thermal conductivity and structure of glass, scattering in optical glass, Faraday rotation, annealing problems, absorption and dispersion, and radiation damage; and (5) requirements for glass for refraction, reflection, and fiber systems.

Offers to contribute to the program are due by June 7, and should be sent with three copies of 300–500-word abstracts to W. N. Sproson, BBC Research Department, Kingswood Warren, Tadworth, Surrey. Additional information and application forms will be available in July from the Administration Assistant, The Institute of Physics and the Physical Society, 47 Belgrave Square, London, S.W. 1, England.

### Spectroscopy

June 15 is the deadline for submitting abstracts of contributions to the second national meeting of the Society for Applied Spectroscopy, to be held October 14–18 at the El Cortez Hotel in San Diego.

According to a preliminary outline of the program, the following subjects will be emphasized: mass spectrometry, gamma-ray and nuclear-particle spectrometry, infrared, Raman, and microwave spectroscopy, x-ray emission and diffraction spectroscopy, electron-probe analysis and diffraction, NMR and EPR spectrometry, atomic emission and absorption spectroscopy, and ultraviolet and visible absorption spectrophotometry. In addition, there will be papers covering various interdisciplinary subjects, including biochemistry and molecular biology, geochemistry and geophysics, space science, new analytical and instrumental developments, gas chromatography, and unique separation techniques.

Abstracts (250–300 words) and inquiries should be sent to the program chairman, Earl P. Wadsworth, Jr., San Diego State College, San Diego 15, Calif.

### Vacuum Science

The American Vacuum Society will hold its tenth national symposium from October 16 to 18 at the Statler Hilton Hotel in Boston. The program is expected to cover (1) production and measurement of high and ultra-high vacuum, (2) surface phenomena at low pressures, including friction, lubrication, sorption, and permeation processes, (3) structure and properties of thin films as related to their conditions of formation by evaporation and sputtering at low pressures, and (4) vacuum techniques related to space simulation, freeze drying, and other vacuum processes.

The deadline for submitting abstracts is June 15. Official abstract forms and information concerning the submission of papers can be obtained from G. H. Bancroft, Chairman, Program Committee, 398 Kilbourn Road, Rochester 18, N. Y.