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Dr. R. A. Satten, Department of Physics, University of California, Los Angeles 24, Calif.

Engineering for Research

A symposium on engineering for major scientific programs will be held February 5-6 at the Georgia Institute of Technology in connection with Georgia Tech's 75th anniversary celebration next year.

The first day of the symposium will be devoted to current engineering problems. Papers will be presented on such topics as a large-scale linear accelerator, nuclear test detection, and Project Mohole. The second day will be concerned with future engineering needs in such areas as materials research and space exploration. Additional details are available from the 75th Anniversary Committee, Georgia Tech, Atlanta 13, Ga.

Residual Gases in Electron Tubes

Italy's Society of Physics, under the patronage of the Italian National Council of Research and Electro-technical Association, is organizing the 2nd International Symposium on Residual Gases in Electron Tubes, which will be held March 12-15 at the headquarters of the Federation of Scientific and Technical Associations of Milan.

The program will cover the following main topics: (1) total and partial pressures in electron tubes, including instruments, techniques, and interpretation of results; (2) pumping methods and their influence on residual gases; (3) internal sources of gas, its emission from individual components under different working conditions, and the effect of pretreatments; (4) theory of gas-surface interactions, gettering materials, and their characteristics; (5) gas-surface interactions, including the influence of the different surfaces, electron currents, hot filaments, and ion and electron bombardment; (6) technology and application of getters; and (7) influence of residual gases on the functioning and life of electron tubes.

English summaries of about 20-30 typewritten lines of proposed communications must be received by December 31. To facilitate publication of the proceedings, which will be in English, full manuscripts are due by February 20. Abstracts and requests for further information and registration forms should be sent to the Symposium Secretary, E. Gatti, Via Gallarate 215, Milan, Italy.

Optical Society

The spring meeting of the Optical Society of America will be held at the Robert Meyer Hotel in Jacksonville, Fla., from March 25 to 27. The program will include six invited papers, of which one or two will deal with items of interest to workers in vision and physiological optics and the rest with modern instrumentation, spectroscopy, and other topics. There will also be ses-

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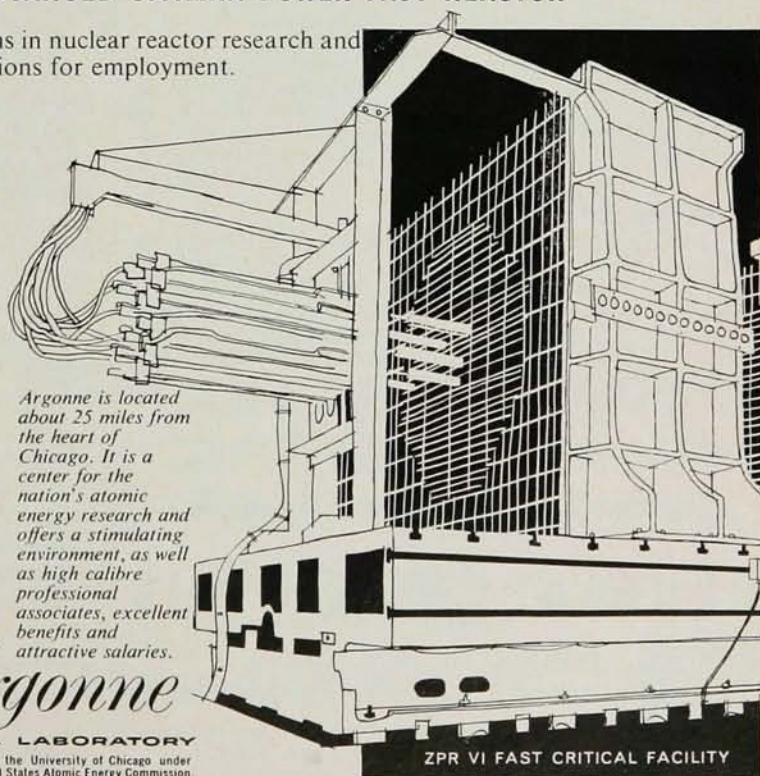
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To apply or gain additional information, write fully in strict confidence to Mr. G. L. Smallwood, Div. 51-L.

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sions of 15-minute contributed papers. Plans are being made for a tour of Cape Canaveral, which will take place after the meeting on March 28.

Abstracts of contributed papers (the deadline is January 11) and requests for further information should be sent to Dr. Mary E. Warga, Executive Secretary, Optical Society of America, 1155 Sixteenth St., N. W., Washington 6, D. C.

Radioisotope Applications

April 1-3 are the dates for an Oak Ridge conference on the applications of radioisotopes to physical science and engineering, which will take place at Gatlinburg, Tenn., under the sponsorship of the Oak Ridge Institute of Nuclear Studies, the Oak Ridge National Laboratory, and the Isotopes and Radiation Division of the American Nuclear Society, in cooperation with the US Atomic Energy Commission.

According to the preliminary announcement, the first day will be devoted to general papers and the two following days to special sessions on radioisotope applications in research in the physical sciences and engineering. Topics on research in the physical sciences will include analytical procedures, exchange reactions, reaction rates, molecular structure, diffusion processes, colloid and surface studies, catalysis, and related matters. The engineering aspects to be discussed will include process control, unit operations research, large-scale tracing, and continuous on-stream measurements.

Further information can be obtained by writing to the Information Services Department, Oak Ridge Institute of Nuclear Studies, P.O. Box 117, Oak Ridge, Tenn.

Optical Masers

A symposium on the various aspects of physics and technology bearing directly on the discovery, theory, and applications of maser phenomena at optical and infrared frequencies will be held April 16-18 in New York City. The meeting will be the 13th annual Polytechnic International Symposium, organized by the Microwave Research Institute of the Polytechnic Institute of Brooklyn in cooperation with the Optical Society of America, the Institute of Radio Engineers, the American Institute of Electrical Engineers, and cosponsored by the Air Force Office of Scientific Research, the Office of Naval Research, and the Army Research Office.

The program, consisting of both invited and contributed papers, is expected to cover (1) quantum electrodynamics and related subjects (dispersion, coherence, radiative corrections, stimulated emission, thermodynamical implications, photon-photon scattering, tests of general relativity, interactions with gravitational fields); (2) materials (solid, liquid, and gaseous systems, spectroscopy, optical properties, crystal growth, nonlinear effects, magneto-optic and electro-optic effects); (3) optical maser configurations (high-