

radiation biology, considering the effects of radiation in the cell and possible implications for cancer therapy. The meeting, which is sponsored by the University of Texas M. D. Anderson Hospital and Tumor Institute, will be organized in the following sessions: (1) radiation effects on macromolecules, (2) radiation effects on replication of cellular structures, (3) critical structures in radiation phenomena, (4) modification of radiation response, (5) radiosensitivity in the replication cycle of cells and the relation to fractionation in radiotherapy, and (6) responses in mammalian cells and their implications for radiotherapy of cancer.

Additional information can be obtained from R. J. Shalek, University of Texas M. D. Anderson Hospital and Tumor Institute, Houston 25, Tex.

Radioisotopes

The second in the series of annual Oak Ridge Radioisotope Conferences will be held April 19-21 in Gatlinburg, Tenn. Sponsored by the Oak Ridge National Laboratory and the Oak Ridge Institute of Nuclear Studies, in cooperation with the Atomic Energy Commission, the meeting will cover the use of radioisotopes in biology, medicine, engineering, and the physical sciences. Inquiries and papers (deadline January 1) should be directed to R. T. Overman, Special Training Division, Oak Ridge Institute of Nuclear Studies, PO Box 117, Oak Ridge, Tenn.

Optical Masers

The Electronics Division of the Electrochemical Society is planning a symposium on optical masers for its 1964 Spring Meeting. The symposium, which will be held on May 6 and 7 at the Royal York Hotel in Toronto, will consist primarily of papers dealing with condensed-phase media used in connection with optical masers. Appropriate subjects will include preparation and physical properties of crystals, glasses, liquids, chelates, etc., of possible use in optically pumped or *p-n* junction lasers, or for the modulation, mixing, and harmonic generation of coherent light. All papers must represent the results of original, unreported research.

Triplicate copies of 75-word and 500-1000-word abstracts are due at Electrochemical Society Headquarters, 30 East 42nd Street, New York 17, N. Y., by December 13. The abstracts should indicate that the paper is intended for the optical-maser symposium, the estimated presentation time, and the name of the author who will present it.

Further information regarding the meeting can be obtained from R. N. Hall, General Electric Research Laboratory, PO Box 1088, Schenectady, N. Y.

The Electromagnetic Spectrum

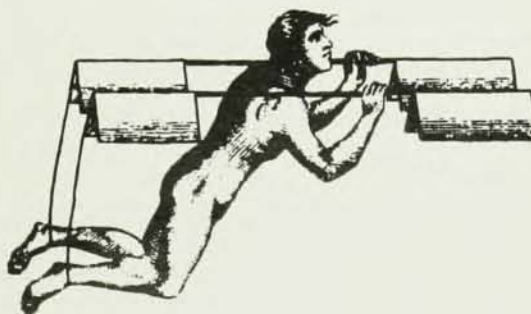
The 1964 Conference on Precision Electromagnetic Measurements will be held June 16-18 in Boulder, Colo. This international meeting is the most recent of a se-

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