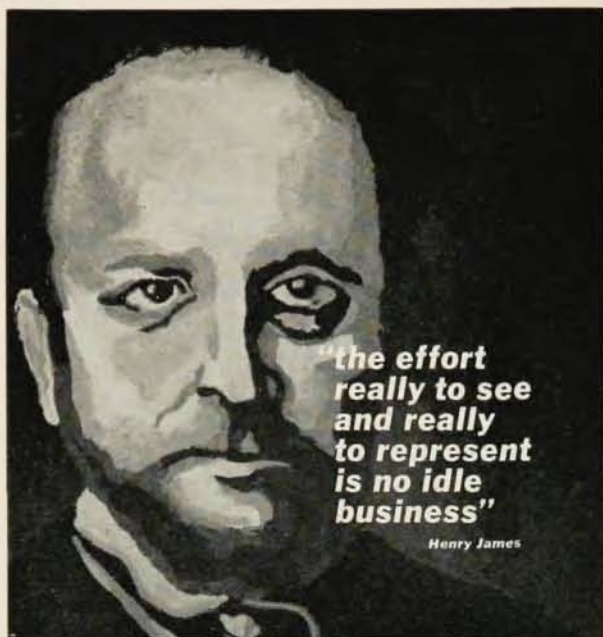
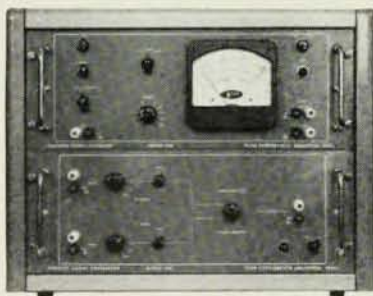




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versity, Evanston, Ill. It will be sponsored by the Divisions of Chemical Physics and Solid-State Physics of the American Physical Society, together with the Division of Physical Chemistry of the American Chemical Society.

The purpose of the symposium is to survey the knowledge of binding in nonmetallic crystals and the equilibrium properties of point defects, both chemical and structural, in these crystals. A proposed topical outline includes (1) quantum theory of nonmetallic crystals; (2) equilibrium properties of dilute solid solutions; (3) characterization of point defects in solids; and (4) the effect of point defects on chemical interactions at surfaces. Both invited and contributed papers will be presented and it is intended that they will be published either in an issue of a scientific journal or in an independent volume. Abstracts should be submitted to the program chairman, Prof. W. J. Moore, Department of Chemistry, Indiana University, Bloomington, Ind. For additional information, contact the symposium secretary, Dr. O. C. Simpson, Argonne National Laboratory, 9700 South Cass Avenue, Argonne, Ill.

IAEA Conference on Plasma Physics

GENERAL theory, mathematical methods, and theoretical and experimental problems of plasma physics will be considered at the International Atomic Energy Agency's annual Conference on Plasma Physics and Controlled Nuclear Fusion Research from September 4 to September 8, 1961 in Salzburg (*not* in Vienna, as was previously announced). The heading "general theory and mathematical methods" is intended to include transport theory, magnetohydrodynamics, and related topics. The theoretical and experimental portion of the program will include discussions of plasma confinement, stability, oscillations, and turbulence; plasma compression, heating, and acceleration; shock waves in plasma; interaction of particles and electromagnetic waves with plasma; and plasma waves and radiation (including cyclotron radiation).

The conference program will deal only with those fundamental processes in gas discharge which are motivated by controlled fusion research; topics concerning different types of discharges and their applications will be excluded. Such material will be treated separately one week earlier at the Fifth International Conference on Ionization Phenomena in Gases (Munich, August 28-September 1).

Requests for additional information should be sent to the International Atomic Energy Agency, 11 Kärntner Ring, Vienna 1, Austria.

Rutherford Jubilee

AN international conference to commemorate the discoveries of Ernest Rutherford (and, in particular, the occasion of the fiftieth anniversary of the Rutherford scattering law) will be held in England during the week of September 4-8 at the University of Manchester, where Lord Rutherford served as professor of

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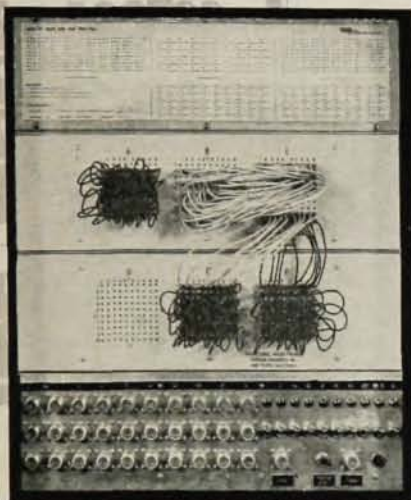
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physics. The sponsoring organizations are the International Union of Pure and Applied Physics, the Royal Society, the Institute of Physics and The Physical Society, and the University of Manchester.

The provisional program lists the following sessions and invited speakers: High-Energy Investigations of Nuclei (J. M. Cassels, *chairman*, H. P. Noyes, H. McManus, R. H. Dalitz); Collective Motion in Nuclei (A. Bohr, *chairman*, B. H. Flowers, B. L. Cohen, G. E. Brown); The Nuclear Ground-State (R. E. Peierls, *chairman*, D. H. Wilkinson, J. S. Bell, K. A. Brueckner); Rutherford at Manchester, Commemorative Session (Sir Ernest Marsden, *chairman*, N. Bohr, Sir Charles Darwin, E. N. da C. Andrade, Sir James Chadwick); Direct Interactions (H. H. Barschall, *chairman*, J. B. French, H. E. Gove, L. J. B. Goldfarb, S. Devons, W. A. Fowler); Weak Interactions (M. Goldhaber, *chairman*, R. J. Blin-Stoyle, S. A. Moszkowski, W. A. Merrison). A summary of the conference will be presented by V. F. Weisskopf at the final session.

A number of contributed papers will be included in the program. Those wishing to submit contributions should make this fact known as soon as possible to Dr. J. B. Birks, Physics Department, The University, Manchester, England. All other correspondence regarding the conference should be sent to Dr. L. J. B. Goldfarb at the above address.

Rare Earths

NEW developments in the field of the rare earths and related metals will be discussed at the Second Rare-Earth Conference to be held September 24-27 at the Colorado Hotel in Glenwood Springs, Colorado. Sponsored by the University of Denver Research Institute, the four-day meeting will be devoted to the physics, chemistry, and metallurgy of these elements and their compounds and alloys. Attendance is restricted to persons actively engaged in the areas of research falling within the scope of the meeting.

Manuscripts of papers, for which the deadline is June 1, and requests for further information should be addressed to the Conference cochairmen, J. F. Nachman and C. E. Lundin, Metallurgy Division, Denver Research Institute, University of Denver, Denver 10, Colo.

Luminescence

FLUORESCENCE, phosphorescence, and related subjects will be considered at the 1961 International Conference on Luminescence convening October 9-13 at New York University. The Conference, to be held under the auspices of the University's Physics Department and the sponsoring agencies of its Solid State Laboratory, will present a number of papers and informal discussions on the luminescence of organic and inorganic systems. Inquiries should be directed to the Conference secretary, Dr. Grace Marmor Spruch, Physics Department, New York University, New York 3, N. Y.