aspects of systems in the temperature range from 3000° to 10 000°R and higher, although new contributions on chemical equilibrium will receive careful consideration. Contributions are specifically sought on the following topics: thermodynamic and thermochemical species data, theoretical equilibrium engine performance, calculations for engine design (particularly jet propulsion), and evaluation of kinetic processes in engines and other high-temperature systems.

Abstracts and requests for further information should be sent to G. S. Bahn, 16902 Bollinger Drive, Pacific Palisades, Calif. Final papers will be reviewed by M. Gerstein, Dynamic Science Corporation, 1445 Huntington Drive, South Pasadena, Calif.

Cyclotrons

AN International Conference on Sector-Focused Cyclotrons is to be held on the Los Angeles campus of the University of California during the period April 17–20. The threefold aim of the conference is to allow an exchange of information on the operating characteristics of a number of recently completed machines, to bring together those who are interested in "meson factories", and as a forum for groups who are considering the acquisition of cyclotrons and wish to evaluate the scope and costs of such projects.

Further details are obtainable from Dr. Byron T. Wright, Physics Department, University of California, Los Angeles 24, Calif.

Electromagnetic Theory and Antennas

ON the basis of papers already received for the Symposium on Electromagnetic Theory and Antennas, which will be held June 25–30, 1962, at the Technical University of Denmark in Copenhagen, the following general topic categories have been included in the program: propagation of guided and unguided electromagnetic waves in anisotropic media; scattering in random media; propagation along, and radiation from, modulated structures; properties of partially coherent electromagnetic fields; and recent developments in diffraction theory. Contributions are still being received, and additional topics may be added if warranted by the subject matter of accepted papers.

The symposium is sponsored by the International Scientific Radio Union, the Technical University of Denmark, the Danish Academy of Technical Sciences, and the Danish National Committee of URSI. Financial aid for arranging the symposium has been given by the International Radio Union and by Danish firms, institutions, and foundations.

Abstracts (800–1200 words) should be submitted before December 1 in a form suitable for mimeograph reproduction and may be accompanied by a single page of illustrations (210 x 297mm with 25mm margin on all sides). Since final manuscripts will not be needed until the symposium meets, the summaries will serve as the basis of judgment for the editorial board, which will select those papers to be published in full

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in the proceedings. It is expected that the remainder of the papers will be published in abstract form.

Applications for registration will be accepted until the last day of the meeting, but only those who register before March 1 will receive preprints and be entitled to have their hotel reservations made by the symposium committee. Those who have registered will also receive a copy of the symposium *Proceedings* free of charge. A social program including a reception by the mayor of Lyngby, a daylong tour to North Zealand (including visits to experimental farms and to Kronborg Castle at Elsinore), and a banquet at the Nimb restaurant in the Tivoli Gardens has been planned. Information and registration forms may be obtained from the symposium secretary, H. Lottrup Knudsen, Øster Voldgade 10 G, Copenhagen K, Denmark. Abstracts should be sent the Technical Program Committee at the same address.

The Symposium on Electromagnetic Theory and Antennas in Copenhagen will be followed on July 2–4 by a Symposium on Interaction Phenomena in Plasmas at Chalmers University of Technology in Gothenburg, Sweden. The Gothenburg Symposium will deal with some aspects of plasma physics which will not be discussed extensively in Copenhagen. Registration forms for the Gothenburg Symposium can be obtained by writing to the Secretary General, Dr. H. Wilhelmsson, Research Laboratory of Electronics, Chalmers University of Technology, Gothenburg, Sweden.

Double Resonance

UNDER the joint sponsorship of Groupement Ampère and the Netherlands Physical Society, an International Conference on Magnetic and Electronic Resonance and Relaxation is to be held at the Technological University of Eindhoven, July 2–7, 1962. The technical program is expected to be concerned primarily with double-resonance experiments, although such subjects as dielectric relaxation and electron-spin, quadrupole, and nuclear-magnetic resonance are also considered within the meeting's scope.

A series of invited lectures has been tentatively scheduled on double-resonance experiments, masers, and associated relaxation effects; optical effects in double resonance (including optical masers); nuclear-magnetic resonance in metals; dielectrics; and cyclotron and ferromagnetic resonance. If time permits, a limited number of shorter contributed papers, preferably new and unpublished research, will also be presented. Since these are to be preprinted and distributed to the registrants prior to the conference, it is necessary that abstracts and titles be submitted by January 1 to Conference Secretary D. J. Kroon, Philips Research Laboratories, Eindhoven, the Netherlands. Complete texts, including figures, are due by April 1. Authors of accepted manuscripts will be required to pay a publication charge which will entitle them to 25 reprints of their articles, as published in a special issue of *Archives des Sciences* to be devoted to the Proceedings of the conference.