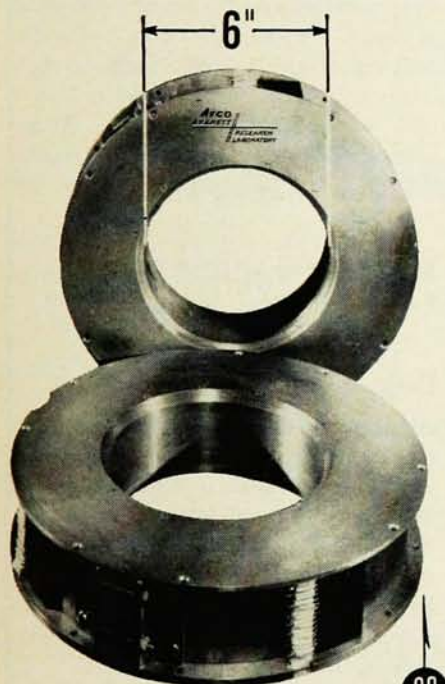


Production SUPERCONDUCTORS used by leading manufacturers

Avco* has built several large I.D. superconducting coils using SUPERCON materials. Typical of their commercial coils is the Helmholtz pair below which has a 6-inch I.D. and uses SUPERCON A25. When operated as a pair, the coils produce a field of 19 kilogauss. Avco's scientific personnel have been extremely pleased with SUPERCON's wire quality and service.

*Avco-Everett Research Laboratory, Attn.
Dr. Z. J. J. Stekly, Everett 49, Mass.



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MEETINGS

Experimental NMR

The Fifth Experimental Nuclear Magnetic Resonance Conference will be held at the Mellon Institute in Pittsburgh on February 28 and 29. The sessions will cover superconducting magnets, relaxation experiments, instrumentation maintenance, repair, modification, operation, electric field experiments, double resonance, single enhancement, and spectral analysis.

Additional information may be obtained from P. C. Lauterbur, Department of Chemistry, State University of New York, Stony Brook, N. Y.

Physics in Chicago

The Physics Club of Chicago has announced that it has scheduled lectures by E. Scheil of the US Army Electronic Laboratory on injection luminescence for March 10, and by D. L. Dexter of the University of Rochester on the solid-state for April 14. For further information write to R. A. Daly, Central Scientific Company, 1700 West Irving Park, Chicago, Ill.

IMP

On March 12, the Goddard Space Flight Center and the National Aeronautics and Space Administration will hold a symposium on the experiments conducted by the Interplanetary Monitoring Platform (IMP). This satellite (Explorer XVIII) is investigating magnetic fields, plasmas, and particles to an apogee of 198 000 kilometers. Results obtained to date will be discussed by experimenters from Massachusetts Institute of Technology, the University of Chicago, the University of California (Berkeley), NASA's Ames Research Center, and the Goddard Center.

The symposium will be held in the auditorium of Building 8 at Goddard, twelve miles north of Washington, D. C., off the Washington-Baltimore Parkway at Greenbelt, Md. For reserved parking and to facilitate entry, scientists planning to attend will be sent a windshield card upon notifying

the Public Affairs Officer (Code 207), Goddard Space Flight Center, Greenbelt, Md.

Hypervelocity Flight

The Denver Research Institute of the University of Denver and the Arnold Engineering Development Center—ARO, Inc., will cosponsor the third Hypervelocity Techniques Symposium, covering advanced experimental techniques for hypervelocity flight in the atmospheres of the earth and other planets. This meeting, which will be limited to about 250 participants, will take place at the University of Denver on March 17 and 18; the registration deadline is February 15.

Topics discussed will be in the following general areas: impulse-type hypersonic and hypervelocity tunnels; shock tubes; arc-driven, hypersonic continuous tunnels; aeroballistic ranges and hypervelocity launchers; MHD acceleration techniques; molecular beams; measurement techniques; and other advanced concepts. The *Proceedings* of the meeting will be available at the symposium.

For further information and registration forms contact the conference chairman, William G. Howell, Denver Research Institute, University of Denver, Denver, Colo.

Microelectronics

The Institute of Electrical and Electronics Engineers St. Louis Section will hold the Third Annual Microelectronics Symposium from April 13 to 15 at the Chase Park Plaza Hotel in St. Louis. The theme for the conference will be The Development of Microelectronics Through Materials Integration, and this year's program will consider the evolution of thin-film, hybrid, and integrated circuit systems, including materials requirements, processing techniques, and system interconnection methods. Typical topics will be vapor deposition, photo-etching and masking, diffusion processes, device packaging parameters, advanced semiconductor development,