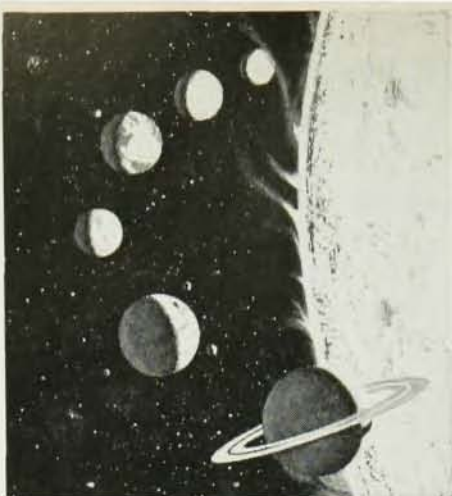




PHYSICISTS

North American Aviation's Space & Information Systems Division is working on America's first deep penetration into outer space with manned spacecraft. Radiation hazards such as solar cosmic ray events, Van Allen belts, artificial belts (H-Bomb) and galactic cosmic rays must be solved in consideration of the radiation source, shielding configuration and instrumentation. (All interact to constitute a radiation protection system.)

Several key positions are available in our nuclear protection unit of the environmental and power systems analysis section. If you possess an advanced degree and have two years experience in astrophysics, radiation shielding analysis, or nuclear instrumentation — we invite you to investigate the challenging opportunities that are available to you at S&ID. Please send your resume to:

MR. K. C. McKENZIE
EMPLOYMENT SERVICES
12214 LAKEWOOD BLVD.
DOWNEY, CALIFORNIA

All qualified applicants will receive consideration for employment without regard to race, creed, color, or national origin.

**SPACE AND INFORMATION
SYSTEMS DIVISION**

North American Aviation



26 and 27. The program will include sessions on components, logic design, computer design, and artificial intelligence. The topic for the fourth session of the symposium is changed each year to touch on an area of growing interest in computer technology. Such subjects as adaptive or self-organizing systems, learning systems, pattern recognition, game-playing machines, and other approaches implying simulation of human thought or problem-solving processes are listed as being appropriate for this year's session on artificial intelligence.

Inquiries should be directed to W. H. Eichelberger, Denver Research Institute, University of Denver, Denver 10, Colo.

Space Telecommunications

The Institute of Electrical and Electronic Engineers (the recently amalgamated Institute of Radio Engineers and American Institute of Electrical Engineers) is sponsoring a symposium on space telecommunications, to be held July 9-11 at the Boulder Laboratories of the National Bureau of Standards. The meeting will be the 1963 symposium of the Institute's Professional Group on Antennas and Propagation, and the program is expected to cover antennas, propagation, radio astronomy, electromagnetic theory, propagation in plasmas, and other related topics.

All inquiries should be sent to the Institute of Electrical and Electronic Engineers, Box A, Lenox Hill Station, New York 21, N. Y.

High Magnetic Fields

Contributions are being solicited for a British conference on high magnetic fields, their production, and their applications, which the Institute of Physics and Physical Society is arranging for July 10-12 at the University of Oxford. The program will consist of papers on the generation of high magnetic fields, using normal conductors and superconductors, and on the properties of solids in high magnetic fields, including optical, transport, and magnetic properties.

Two-hundred-word abstracts, in triplicate, of proposed contributions should be sent before April 15 to Dr. N. Kurti, Clarendon Laboratory, Parks Road, Oxford. Further particulars and application forms are available from the Administration Assistant, Institute of Physics and Physical Society, 47 Belgrave Square, London, S.W.1, England.

Applications of X-Ray Analysis

Sessions on diffraction, emission spectrography, absorption and microscopy, and instrumentation have been scheduled for the 12th annual Conference on Applications of X-Ray Analysis, which will be held August 7-9 at the Albany Hotel in Denver. April 15 has been set as the deadline for accepting abstracts of contributed papers. Abstracts must be submitted in dupli-

PHYSICS TODAY