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OPPORTUNITIES

CENTER for NAVAL ANALYSES

New Operations Research
Facility for the
United States Navy

The newly-established Center for Naval Analyses combines administration of the Operations Evaluation Group (OEG) and the Institute of Naval Studies (INS). Thus, the major operations research organizations of the Navy have been brought together under single management.

The missions and overall objectives of OEG and INS remain unchanged. OEG, the nation's senior military operations research group, acts as civilian scientific advisor to the Chief of Naval Operations; Commandant, U. S. Marine Corps; and to the U. S. Naval operating forces. Areas in which OEG contributes analytical guidance to decision-making include tactics, strategy, force composition, weapon employment, and research and development needs. The associated INS is continuing to develop as the Navy's scientific long-range planning advisor, studying such matters as the effects of scientific advances upon seapower, the nature of warfare and future threats in seapower, forecasts of enemy capabilities, particularly in a sea environment, and similar questions of national and international scope.

CNA must expand to meet its responsibilities. It can offer outstanding opportunities to creative scientists, engineers, mathematicians, operations analysts, and economists with advanced degrees. In CNA, you can help solve some of the most challenging and significant problems of national defense. The positions (initially in Washington, D. C.) are well paid and carry comprehensive benefits. Please send your resume to Dr. Frank Bothwell, Chief Scientist, Center for Naval Analyses.

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efficiency optics, resonant structures, traveling-wave structures, modal phenomena); and (4) system considerations (communications, radar, astronomy, medicine, instrumentation, industrial processes, phonon modulation). The program will be concluded with a round-table discussion.

For further information write to the Symposium Committee, Polytechnic Institute of Brooklyn, 55 Johnson Street, Brooklyn 1, N. Y.

Rare Earths

New developments in the study of the rare earths and related metals will be discussed at the Third Rare-Earth Conference, to be held April 21-24 at the Grand Bahama Hotel on Grand Bahama Island. 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 who are actively engaged in research falling within the scope of the meeting.

Manuscripts of papers submitted for consideration (the deadline is February 1) and requests for further information should be addressed to the conference chairman, Dr. Karl S. Vorres, Department of Chemistry, Purdue University, Lafayette, Ind.

Radiation Sources in Industry

The International Atomic Energy Agency is planning to sponsor a second conference on the application of large radiation sources in industry, to be held May 27-31 in Salzburg, Austria. A conference on the same topic was organized by the Agency in Warsaw in 1959, and the comments of those who took part in the earlier meeting have been taken into consideration in arranging the program for the 1963 meeting.

The conference will be devoted primarily to applications of radiation to chemical processes, and papers in the following categories are expected to be included: (1) research on applications of potential industrial use, including recent progress in the study of mechanisms of radiation-induced reactions, polymers, degradation reactions, catalysis, addition, condensation, and substitution reactions, application of fission-fragment kinetic energy, and sterilization; (2) operational experience and economics, including experiences of processes already operational on a semi-industrial scale, comparison of different types of radiation sources (radio-nuclides and machines), and breakdown of costs by conventional processes and comparison with radiation processes; and (3) radioisotope power sources, including description units, power output, and possibilities for future development.

The final date for submission of abstracts is January 2. The official channel for US participation is the US Atomic Energy Commission, and all correspondence having to do with the conference should be sent to John H. Kane, Division of Special Projects, US Atomic Energy Commission, Washington 25, D. C.