

- ... would you like to participate in two key research areas?
- Designing boiling water nuclear reactors which are stable at high power densities . . .
- Improving the efficiency of nuclear reactors by designing reactor cores which will increase the use of potential fuel . . .

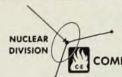
Much of our theoretical and experimental activity in reactor physics and mathematics revolves around these two areas and their many and varied ramifications.

Attention is focused on such problems as: fuel loading and enrichment for reactor cores . . . power distribution and control . . . reactivity coefficients for moderator and fuel temperatures . . . interrelation and distribution of temperature and bubbles, power and control rods.

Our Critical Experiment Facilities are employed in making basic reactor physics measurements connected with the design of advanced boiling water reactors with integral nuclear superheat.

An expanding research and development program provides a number of openings for qualified physicists intrigued by the problems of commercial nuclear reactors.

Address inquiries to: R. P. Killelea, Manager,
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south polar area during the International Geophysical Year and afterwards, and Part II (NAS-NRC 878, 131 pp) deals with the physical sciences in Antarctica. The first section of the latter volume contains reviews of meteorology, oceanography, and glaciology; the second section considers specific problems involving the earth's crust and core in terms of studies in geodesy, cartography, geology, seismology, gravity measurement, and magnetism; and the third section reviews problems in upper-atmospheric research. Both volumes are available from the National Academy of Sciences, 2101 Constitution Ave. N.W., Washington 25, D. C. at a price of \$1.50 each.

## Periodicals

Thailand's National Research Council, which came into being little more than a year ago, has commenced publication of a quarterly journal intended as a medium for articles in the natural and social sciences. All articles have English abstracts, and many are printed both in English and in the Thai language. The new Journal of the National Research Council of Thailand is edited by Bimala Kalakicha and is published at the Council's headquarters, Rama VI Road, Bangkok. The subscription rate is \$5 per year.

Radiation Dynamics, Inc., has announced publication of a monthly newsletter which will be directed to users of high-voltage particle accelerators for research and electron accelerators for industrial processing. The "Radiation Review" will carry such features as a series of suggested nuclear-physics experiments using a high beam current accelerator, tables and nomographs pertaining to radiation or ion-beam technology, applications of the electron accelerator, and descriptions of developments in nuclear-physics research employing high-voltage accelerators. It will be sent monthly without charge upon written request to Department RR-1, Radiation Dynamics, Inc., Westbury, L. I., N. Y.

## Scandinavian Research Guide

A two-volume reference to more than 1500 research organizations concerned with the physical sciences and technology in Iceland, Sweden, Finland, Norway, and Denmark has been published in English by the Scandinavian Council for Applied Research (SCAR). Issued under the title Scandinavian Research Guide, the reference work provides detailed information on the organizational structure and activities of research laboratories and institutions, Scandinavian research councils and academies, universities and institutes of technology, scientific societies, and scientific and technical libraries and information services. Established by the joint action of the national research councils and academies of sciences in the five countries, SCAR aims at promoting Scandinavian cooperation in scientific research and in the use of research results. The new directory is priced at \$10, and the address of the Scandinavian Council for Applied Research is Gaustadalleen 30, Blindern, Norway.