

Foundation would provide supporting funds to institutions at various levels of existing competence, and would also consider the particular educational requirements of the region in which the institution is located.

Another sizable amount in the NSF program to strengthen science at selected universities is the \$28 million requested for graduate science facilities. This program supports the construction or renovation of facilities devoted to basic research and education at the graduate level. The remainder of the funds for institutional science programs is divided into \$19 million for grants which may be used at the discretion of the individual institution, and \$8 million for equipment for undergraduate instruction.

Low-level contamination

The newest subcommittee of the National Academy of Sciences-National Research Council Committee on Nuclear Science met on January 30 to hear reports on studies of low-level radioactive contamination. The group is called the Subcommittee on Low Level Contamination of Materials and Reagents. It is concerned with contamination which is too slight to be a significant biological hazard but which can interfere with scientific measurements in such diverse fields as medical diagnosis and biochemical tracer studies, archaeological and geological dating, hydrology and oceanography, fallout and radioactive waste detection and monitoring, meteorite and space probe studies, industrial tracer experiments, and other measurements requiring the use of low-background, high-sensitivity radiation detectors. Its primary aim is to encourage and facilitate the production and dissemination of information on the extent of such contamination and on methods of evaluating as well as of controlling or avoiding it.

The committee invites comments, suggestions, and results of measurements from interested persons. Communications may be addressed to the chairman of the subcommittee, Dr. E. C. Anderson, Los Alamos Scientific Laboratory, Los Alamos, N. M.

*National
Institute for
Research in
Nuclear Science*

DARESBURY NUCLEAR PHYSICS LABORATORY

OPPORTUNITIES FOR EXPERIMENTAL PHYSICISTS

The 4 GeV electron synchrotron NINA which is now under construction at Daresbury in Cheshire, England will come into operation next year. The Laboratory will be used by research teams from Universities and other bodies: it is situated in pleasant rural surroundings in North Cheshire but within easy reach of many towns in South Lancashire and North Cheshire.

Posts are available for senior and junior physicists with postgraduate experience in nuclear or elementary particle physics and for physicists or engineers with special interest in fast electronics and logic. They will join in the planning and preparation of experiments on NINA in co-operation with Universities.

Circulating beams of 10^{18} electrons per second will provide intense beams of electrons and photons for investigation of the electromagnetic interactions. Elastic and inelastic scattering and photo-production experiments will provide information on the properties of the mesons and baryons to verify existing theories and the classification schemes of elementary particles. Experiments will also test the predictions of quantum electrodynamics to very short distances.

Visual and filmless spark chambers will form a central part of most experiments requiring precise information and much effort will be involved in extracting this information in a form which can be easily handled by computers.

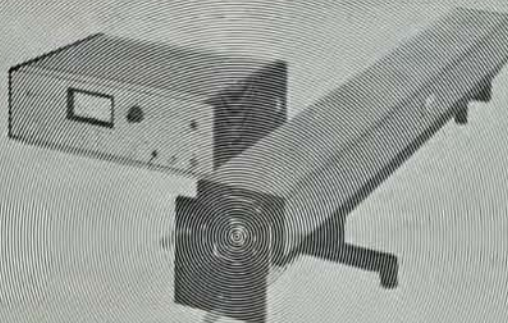
The posts will be for fixed terms of initially up to three years, and superannuation arrangements will be available. Salaries will be fixed according to age, qualifications and experience and generally in accord with those applied in the Scientific Civil Service.

There are generous leave arrangements. Assistance with housing accommodation may be available.

Please send postcard quoting reference number DL/49 for application form to:

**Professor A. W. Merrison, Director,
National Institute for Research in Nuclear Science
Daresbury Nuclear Physics Laboratory,
Daresbury, Nr. Warrington, Lancashire, England.**

#4 FROM THE SPECTRA-PHYSICS LIST OF LASER USERS



Q. Who uses lasers in industry?

A. 53 of the 500 largest U. S. Industrial corporations* (plus an equivalent number of smaller companies) are now using one or more Spectra-Physics gas lasers. A typical application employs the Model 112 laser, shown here, for optical data processing and the development of optical analog computation techniques. If you'd like to know why more than two out of three of all commercial CW gas laser users are on the Spectra-Physics list, please write us at 1255 Terra Bella Avenue, Mountain View, California.

* Fortune's 1964 Directory



Spectra-Physics