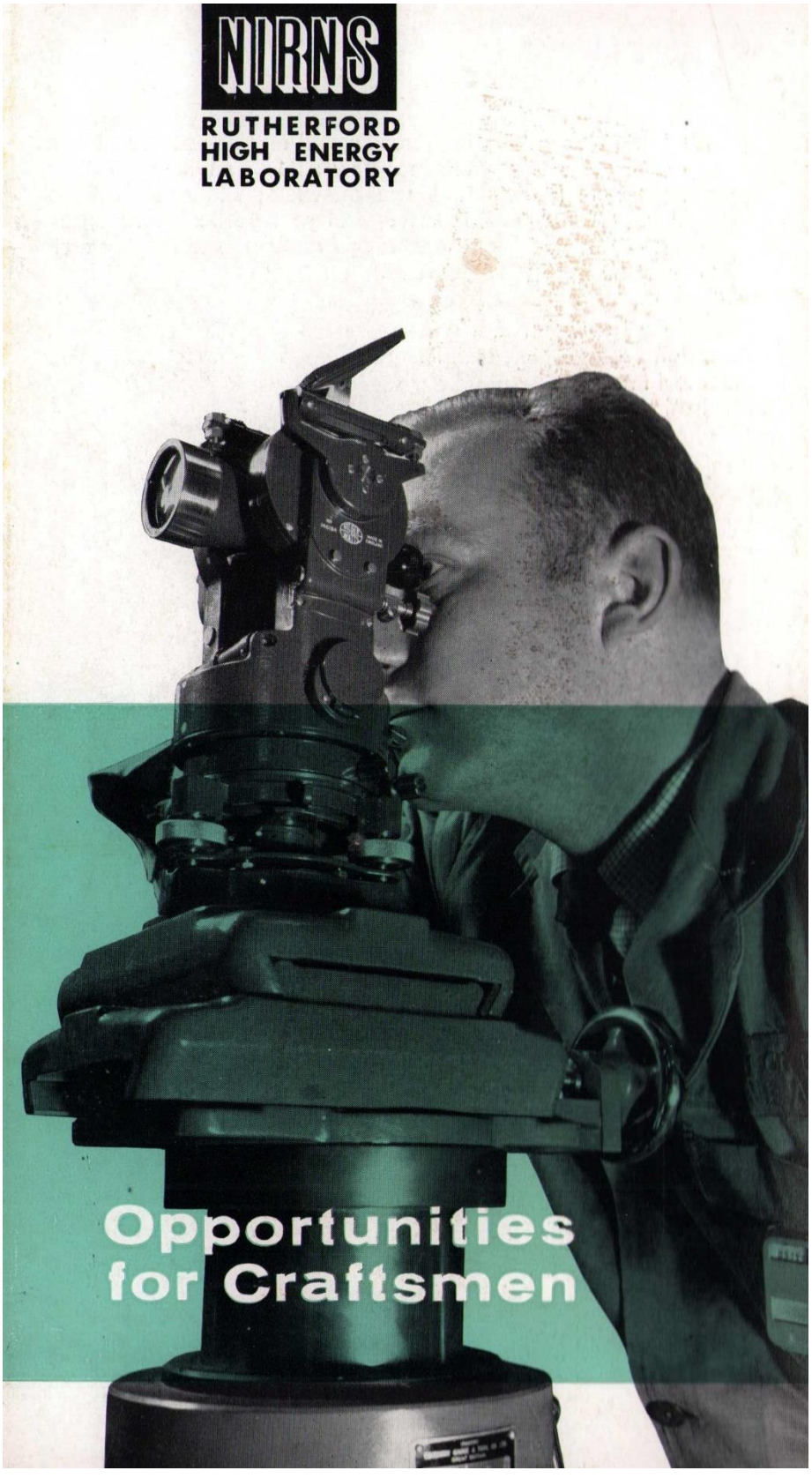
NIRNS

RUTHERFORD
HIGH ENERGY
LABORATORY

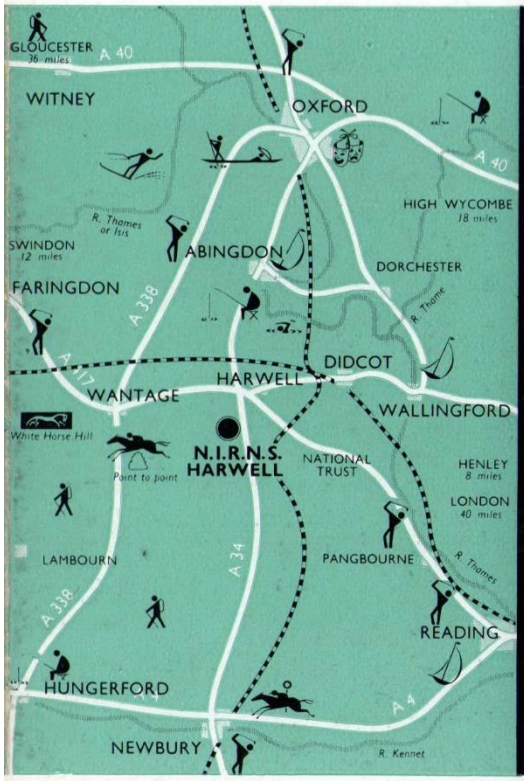


Opportunities for Craftsmen

The National Institute for Research in Nuclear Science

The National Institute for Research in Nuclear Science was formed to provide facilities for nuclear research.

The main concern of the Institute is the design, construction and operation of high energy particle accelerators. The Rutherford High Energy Laboratory is the Institute's first Laboratory and is situated adjacent to the A.E.R.E. at Harwell. The Laboratory houses two accelerators, one a machine for accelerating protons to energies of 50 MeV which is operational, and the other, still under construction, is NIMROD, a proton synchrotron designed to accelerate protons to energies of 7 GeV. Beams of high energy particles from these machines will be used to investigate, further, the structure of atomic nuclei and the properties of the fundamental particles associated with them.

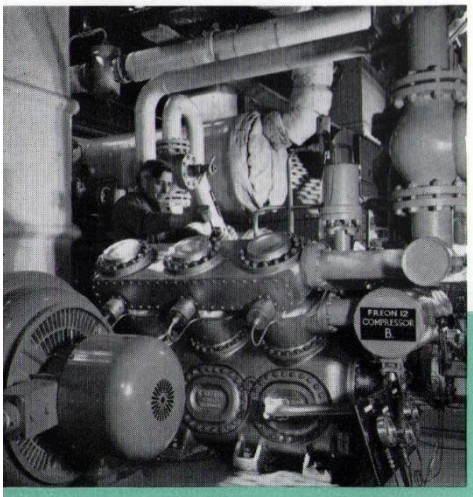


The Establishment is situated in attractive country near the Berkshire Downs within easy reach of Oxford and Reading and of small market towns like Abingdon, Wantage, Wallingford and Newbury.

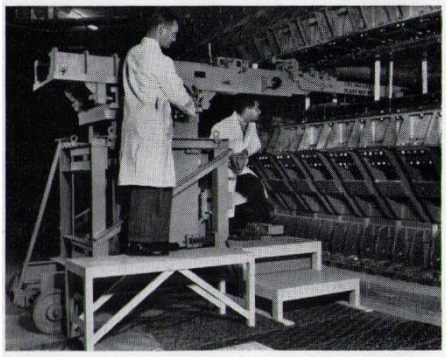
The scientists carrying out this research work require the support of an engineering staff, both to produce special equipment and to maintain the extensive range of plant and services provided for them.

The modern, well-equipped but compact workshops provide the main engineering effort of the Laboratory and are staffed by craftsmen in a variety of trades, both mechanical and electrical. In addition, a number of craftsmen, both mechanical and electrical, work on the research and experimental projects in close support to scientists and engineers in laboratories and laboratory workshops.

Finally, a number of craftsmen are employed in maintaining and modifying the plant and services of the Laboratory.



◀A corner of the air conditioning plant room.

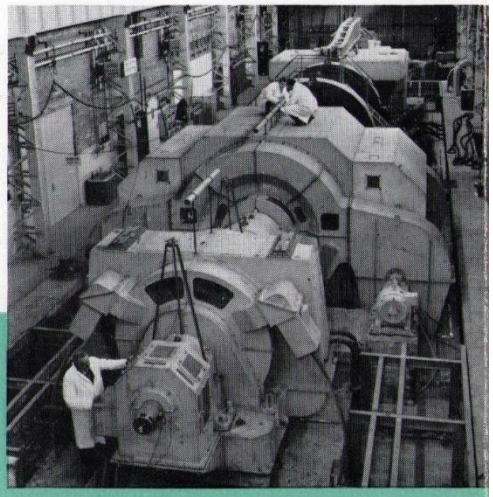


◀Assembling the pole pieces in the throat of the magnet. Each of the 672 pole pieces had to be positioned within a few thousandths of an inch in relation to the magnet sectors.

Here is an opportunity for versatile and enthusiastic craftsmen to use their skills to the full in a new field of engineering often involving unusual techniques and materials; while you will be expected to have a good knowledge of your particular trade, the aim of the Laboratory is to encourage craftsmen to employ their skills in as wide a field as possible.

Exact details of vacancies are published in Press advertisements, but here are some of the trades in which vacancies often occur: Precision Fitter/Turner, Maintenance Fitter/Turner, Electrician and Electrical Fitter, Electronic Mechanic and Instrument Mechanic, Instrument Maker.

Craftsmen in other trades may be required from time to time.



Magnet Power Supply Plant. A view taken during erection and shows the lining up of the motors and alternators. The plant energises the large electro-magnet of NIMROD. ▶

General view of main workshop of the Engineering Services Section. ▶

Rates of Pay and Conditions of Service

The present rates of pay for a 42 hour, 5 day week are given on the accompanying slip.

Payment for overtime is of course made at increased rates. While overtime cannot be guaranteed and may fluctuate, at present it averages about two weekends per month.

Some craftsmen are employed on shift work and others may be called upon to do so occasionally. Extra allowances are paid for shift working.

Normal hours of work are:

Mondays	7.45 a.m.—5.20 p.m.
Tuesdays and Wednesdays ..	7.45 a.m.—4.50 p.m.
Thursdays and Fridays ..	7.45 a.m.—4.45 p.m.

The lunch break is three-quarters of an hour and ten-minute tea breaks are allowed morning and afternoon.

Leave

Your annual leave entitlement will be two weeks paid leave per year, i.e., 7 working hours per complete month of service. This can be taken at any time during the "leave year" (March to February) by arrangement with your section.

In addition, there are 8½ days' paid leave each year for Public Holidays.

In certain circumstances, special paid leave may be allowed, each case being considered on its merits.

Sick Pay

After six months' service, you will be eligible for up to thirteen weeks paid sick leave in any one year, and after five years' service a further period of up to thirteen weeks on half-pay.

Superannuation

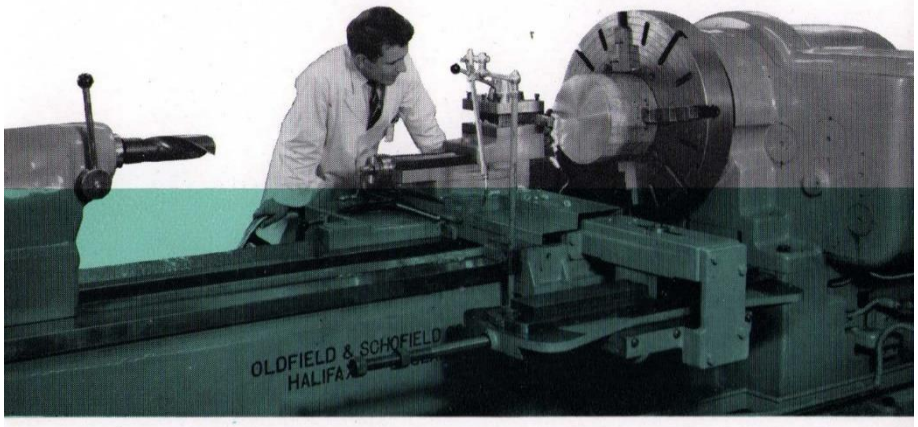
The Institute has a superannuation scheme which provides for a pension and lump sum on retirement. Your rate of contribution would be 4¼% of wages or about 9d. in the £ of your basic pay. You would not, of course, contribute to the State Graduated Pension Scheme as well.

Prospects and Promotion

Employment with the Institute is secure and there are good opportunities for promotion to Chargehand, Foreman, Technician, etc., All vacancies for higher grade posts are advertised internally and suitably qualified employees are free to apply. Many such posts are filled in this way.

Transport

You may use the Atomic Energy Authority's transport which covers a wide area, extending to Oxford, Reading, Newbury and Swindon. The maximum charge for this is 6/- per week (inclusive of weekends). If you are unable to use the transport, or have to travel some way to meet it, you may claim for the use of your own, or public, transport.



Further Education

The Institute encourages its employees to take approved courses of study which will improve their knowledge of their work and fit them for higher posts. Financial assistance is given towards travelling, course and examination fees and textbooks in such cases. A paid day release is often granted for certain types of course. There are good facilities in the area for further education.

If you are already studying for a qualification, such as a City and Guilds or National Certificate, every consideration will be given to enable you to continue the course.

Tools and Overalls

All necessary tools can be supplied free although you may use your own if you wish. Overalls and any other protective clothing are also supplied and cleaned without charge.

Canteens

You will find good canteen facilities provided at reasonable prices. There are also mess-rooms, where tea-breaks or packed lunches may be taken.

Accommodation

Married men recruited from outside the area served by the Atomic Energy Research Establishment's transport are eligible for a rented house after a waiting period which varies with the demand for and availability of houses. Suitable lodgings will be reserved for you from the day you commence work, and until joined by your family, you will be paid a lodging allowance of £2 9s. 0d. per week. In the meantime, our Accommodation Officer will assist, as far as possible, to find temporary accommodation in the area.

Alternatively, financial assistance can be given to staff who wish to buy their own houses within daily travelling distance of the Laboratory; full details of the House Purchase Scheme may be requested when you attend for interview.

If you are single, lodgings will be reserved for you from the day you commence and you may apply for hostel accommodation, for which there may be a short waiting list.

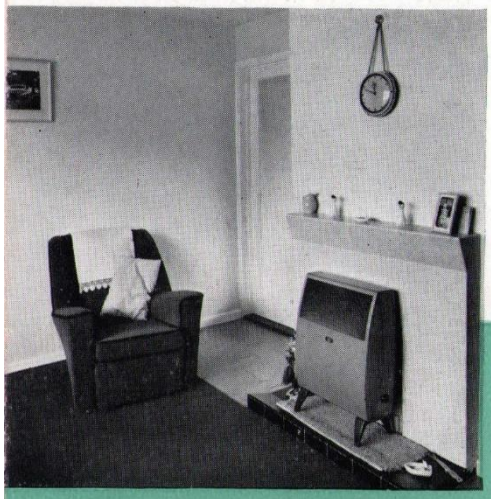
Leisure Facilities

You will be eligible to join the Recreational Association of the Atomic Energy Research Establishment which has over forty clubs catering for a wide variety of interests, including football, cricket, fishing, photography, motoring, horticulture and many others.

Discount facilities are available in some cases.

Medical Facilities

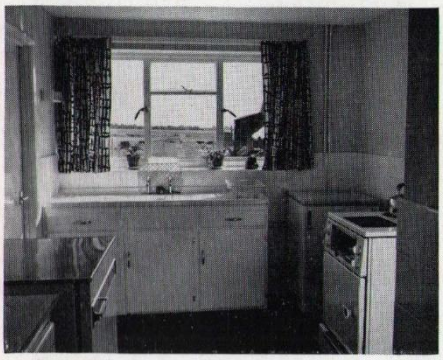
A modern well-equipped surgery is available to employees, all of whom are required to pass a medical examination before commencing work.



◀Corner of a lounge in a three-bedroomed **NIRNS** house.

Applications

Please address Application Forms and any enquiries you may have to:—
Personnel Branch
(Industrial),
Rutherford High Energy
Laboratory,
Harwell, Didcot, Berkshire.



◀Corner of a kitchen in a three-bedroomed **NIRNS** house.

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