

19th March, 1963.

NI/63/3

NATIONAL INSTITUTE FOR RESEARCH IN NUCLEAR SCIENCE

GOVERNING BOARD

Progress at the Electron Laboratory

Note by A. W. Merrison

1. Site

Since the last meeting of the Board we have been told by the Ministry of Housing and Local Government that they feel that the objections to the siting of the Electron Laboratory at Daresbury are sufficiently strong to warrant a public enquiry unless the principal objectors can be persuaded to withdraw. They have named the principal objectors as the Parish Councils of Daresbury and Moore, the Council for the Preservation of Rural England, and the tenant farmers on the site. All but the tenant farmers have now withdrawn their objections, and the tenant farmers will withdraw theirs subject to suitable compensation. The Ministry of Housing have been informed of the present position.

2. Buildings

In a separate report the present state of the planning of buildings is outlined.

3. NINA (The National Institute Northern Accelerator)

The model magnet (Mark I) has been running successfully for the last three months and has provided no serious surprises. A second model, which should be identical in cross-section to the final synchrotron magnet, has been designed and has been put out to manufacture. Apart from the exact shape of the pole-face profile, the specification for the magnet can now be written.

The 1/10th scale model of the magnet power supply has been constructed and is undergoing tests. The design of the power supply for the second model magnet has been completed and is out to manufacture.

Experimental sections of the vacuum chamber have been made and are being tested.

A contract is being negotiated with Vickers Armstrong Ltd., to investigate certain experimental problems connected with the beam loading of the electron linac injector.

4. Staff

Although the quality of the people responding to our advertisements has been disappointing, the recruitment of staff in various grades is going reasonably well. The staff of the Laboratory now numbers 5 and the number of people working for us full-time (excluding those engaged on the work on buildings) is 17.

5. Committees

Two of the three committees defined in the Chairman's note of 30th November, 1962, (NI/62/15) have been set up.

The members of the PROJECT COMMITTEE are:

Mr. E. L. Ashley, U.K.A.E.A., Engineering Group  
Professor J. M. Cassels, University of Liverpool  
Mr. N. E. Clothier, U.K.A.E.A., Contracts Branch  
Professor P. I. Dee, Glasgow University  
Professor A. W. Merrison, Electron Laboratory  
Mr. A. Miller, Rutherford High Energy Laboratory  
Mr. M. J. Moore, University of Liverpool  
Mr. L. B. Mullett, Rutherford High Energy Laboratory  
Professor E. B. Paul, Manchester University  
Dr. T. G. Pickavance, Rutherford High Energy Laboratory  
Mr. D. E. Porter, U.K.A.E.A., Contracts Branch  
Mr. F. A. Tatford, U.K.A.E.A., London

The members of the EXPERIMENTAL FACILITIES COMMITTEE are:

Professor J. M. Cassels, University of Liverpool  
Dr. R. J. Ellison, Manchester University  
Dr. S. G. F. Frank, University of Liverpool  
Professor J. C. Gunn, Glasgow University  
Professor A. W. Merrison, Electron Laboratory  
Dr. P. G. Murphy, Rutherford High Energy Laboratory  
Professor E. B. Paul, Manchester University  
Dr. J. C. Rutherglen, Glasgow University  
Dr. G. H. Stafford, Rutherford High Energy Laboratory

Sir James Chadwick has accepted the Board's invitation to be chairman of the Advisory Committee.