

JOINT LASER CENTRE - STATEMENT OF INTENT

The JLC

This memorandum records the intention of the Science Research Council (S.R.C.) and the United Kingdom Atomic Energy Authority (U.K.A.E.A.) to set up a Joint Laser Centre (J.L.C.) under the executive responsibility of the Director Rutherford Laboratory and the Director A.E.R.E. / equipped with high powered laser facilities for the purpose of developing a knowledge of laser induced high compression and related fields and for providing research facilities for the U.K.A.E.A., the S.R.C., and for Universities. The J.L.C. will remain in being for such period as the two parties may agree subject to a minimum of 12 months written notice on either side.

Nature of Kennedy agreement

The principal scientific objectives of the programme, using these facilities, will be:

- (a) to create and study in the laboratory superdense plasmas generated by laser compression of matter;
- (b) to study non-linear interactions of very intense laser radiation with matter;
- (c) to develop more efficient and new high power lasers for future experiments in laser compression and other fields.

The scale of the J.L.C. envisaged is ^{approx. 70} 67 staff by the end of the second year with joint capital expenditure of approximately £4M (at November 1974 prices) over the first four years. Staffing and costs of the J.L.C. will be shared so as to reflect the balance of S.R.C. and U.K.A.E.A. interests in

the programme and this division will be reviewed from time to time. Until otherwise agreed, capital and operating costs will be shared equally and each organisation will contribute equivalent staff effort. Future capital proposals will be agreed between the ^{RL + AERS} parties prior to submission for approval to their respective authorising bodies.

Responsibility for necessary consultation on security matters and for implementation of any necessary control will lie with the U.K.A.E.A. The project will be housed on the Rutherford Laboratory side of the Harwell site.

An agreement dealing with detailed arrangements, including finance, ownership and disposal of assets (including disposal on termination), use of the facility, security, ownership of results, and procedures for reviewing the operation of the J.L.C. is in course of preparation.

A detailed agreement between RL & AERS
in course of preparation
embodies the substance of the above items
A legal agreement between the two parties SRC AEA
will be prepared for signing by the two
Detailed arrangements for
in prep^{tion} bet. RL & AERS agreements.

J. T. Wright
7th May, 1975