

STAFF STRUCTURE AND ORGANISATION

1. The distribution by discipline of the Joint Laser Project staff is determined by the requirements of the agreed programme, the main components of which are:
 - a) to provide high power lasers to enable superdense plasmas to be created and studied,
 - b) to provide high power lasers for the study of the interaction of very intense light beams with matter,
 - c) to develop more efficient and new high power lasers for future experiments in laser compression and other fields,
 - d) to support the experimental programme, conducted by AEA, SRC and university scientists, by an appropriate theoretical, computational and technological capability.

2. This programme dictates that, in addition to staff involved in the AEA research programme and in the SRC "in-house" research programme, there should be in the project a strong emphasis on applied science and technological disciplines in the staff structure. Some specialist expertise in lasers is required but a large component of the work is appropriate to engineers, technicians, and applied scientists with no special expertise in high power laser research.

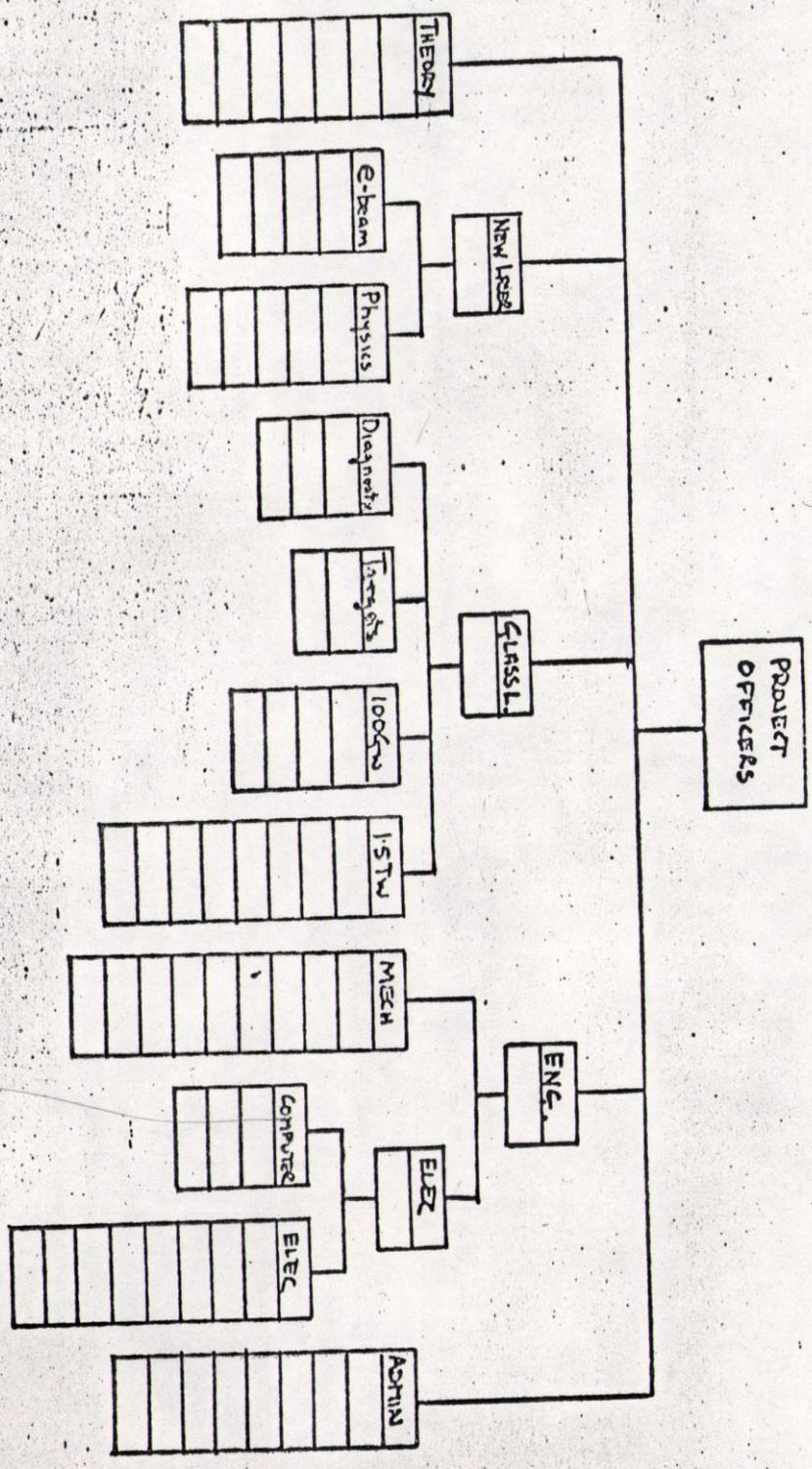
3. The number of full time staff directly engaged in the work of the project will rise to 67 in the first two years following approval. In this total, there will be 15 professional scientists, 7 professional engineers, 27 who fall broadly into the category of technologists, 8 administrative and secretarial staff and 10 skilled craft workers.

It is expected that to make up this team 7 or 8 specialist staff, with directly relevant laser experience, will be recruited from outside the Harwell and Rutherford Laboratories.

4. The work of the project will be controlled and directed by six senior members of the team, the Project Head, and Associate Project Head and four Group leaders. Brief job descriptions define their roles:
1. Project Officer SRC - Head of project - responsible for project control with special responsibility for provision of lasers.
 2. Project Officer AEA - Associate head of project - responsible for project control with special responsibility for the scientific programme.
 3. Head of Theory and Computation Group - Responsible for coordination of all theoretical support to the programme, eg compression studies, laser design, radiation/plasma interactions, target design etc.
 4. Project Engineer - Coordination of all support engineering on the project. Particular responsibility for temporary and permanent buildings and services. Establishment and control of close support workshops and design office. Special R & D projects in high power laser engineering and applications.
 5. Head of Glass Laser Group - Responsible for the construction and operation of Neodymium glass lasers. Direction of R & D activity towards improving the performance of the glass laser systems. Participation in the research programme using the glass lasers.
 6. Head of 'New Laser' Group - Direction of R & D programme, centred on the electron-beam facility, in gas laser development. Basic research into new laser systems. Development of new lasers linked to the continuing development of the JLP programme.
5. The proposed organisation of the project after two years of existence is shown in the family tree attached. This 'line management' picture does not attempt to show the interactions between groups which will take place at all levels.

C. Whitehead

P.R. Williams



Data Handling

X