

Agenda
then next time

(physicist, engineers etc)
been done on functional basis
rather than grades. (Hco, PTO I etc)

JLP-ECS

IN CONFIDENCE

STAFF

STAFFING OF LASER PROJECT 1975/76

LCW H - engaged
tandy university interests.
- core required

During 1975/76 the staff allocated to the Laser Project from the Rutherford Laboratory and Harwell complements to meet the programme agreed by the AEA and SRC should rise to 31 by April 1976. These first thirtyone posts are identified and where a preferred named person can be identified in either establishment this is indicated. Where no named individual has been identified, the brief job description should allow suitable staff to be selected.

- 1. Project Officer SRC - Head of project - responsible for project control with special responsibility for provision of lasers.
In post -
- 2. Project Officer AEA - Associate head of project - responsible for project control with special responsibility for the scientific programme.
In post -
- 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.
In post -

DM -> not much better
than my office at Bait Ross
for what approval - SRC
be passed off possible

4. Senior Engineer

- Required as soon as possible.

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.

Nominated

5. Physicist

- To work under the direction of 3 on selected theoretical studies particularly concerned with the physics of compression.

In post -

6. Physicist

- To work under the direction of 3 on selected theoretical studies particularly concerned with the diagnostic and experimental techniques used to study laser plasma interactions. Will become closely integrated with the experimental programme.

In post -

7. Physicist/Engineer

- Required April 1975.

To specify and implement real time computer systems for Laser monitoring and control, and experimental data acquisitions. To liaise with manufacturers on Laser data logging and control. Reports to 22.

8. Electrical Engineer

- Required April 1975.

To be responsible for project electrical engineering. To liaise with manufacturer to define and provide locally manufactured laser hardware. Specific responsibility for energy storage capacitor banks, safety, cabling, electrical services and plant. Reports to 22.

9. Secretary

- Required June 1975.

Personal secretary for the project officers.

10. Physicist

- Required April/May.

Laser and experimental diagnostics - ion spectroscopy, neutron counting, x-ray measurements, spectrographic studies, plasma diagnostics.
Nominated

11. Physicist

- Required April.

Specialist in optics with experience in glass laser technology to work on laser staging, optical diagnostics and pulse stacking for the 1.5 TW laser. Reports to 24.

Nominated

- () 12. Electrical Draughtsman - Required May/June.
Preparation of circuit designs and building service layouts. Integration of manufacturers items with JLL "in house" equipment. Reports to 8.
13. Administration Officer - Required June/July.
To assist the project officers in all aspects of project administration, record keeping, purchasing, accommodation, documentation etc.
14. Physicist - Required July.
Specialist in high power glass lasers to be responsible for installations, commissioning and operations of 100 GW laser. Recruited from University.
15. Mechanical Engineer - Required August.
Control of all mechanical engineering aspects of the project, buildings, construction, special equipment for the support of the experimental programme.
16. Experimentalist - Required July.
Preparation for and operation of 100 GW laser. Ideally should have some knowledge of lasers, optics or fast pulse techniques. Reports to 14.
Nominated

17. Draughtsman (Mechanical) - Required August.
Design of laser equipment and installations.
Design of special experimental apparatus involving high precision positioning devices and high vacuum systems. Reports to 15.
18. Electrical Chargehand - Required August/September.
Experienced in high current high voltage installations and the production of prototype electronic circuits. Reports to 19.
19. Electrical Technician - Required August/September.
To work on laser installations and to be responsible for the direction of craft effort.
Reports to 8.
20. Mechanical Technician - Required September.
To work in laser installations and to be responsible for the direction of craft effort.
Reports to 15.
21. Mechanical Chargehand - Required October.
To work on laser installations and the construction and installation of special mechanical components.
Target manipulators and chambers - laser cooling and gas supply systems. Reports to 20.

22. Electrical/Electronic
Engineer

- Required September.

To control all electrical, electronic and real time computing activities on the project. Will report to senior engineer on all electrical work. Responsible for specification of e-beam generator. Responsible for laser control and safety. Reports to 4.

Nominated

23. Technician

- Required September.

Instruments technician, electrical or mechanical for work with 100 GW laser on commissioning and operations. Experience with precision alignment or high speed electronics an advantage.

Reports to 14.

24. Physicist

- Required November/January.

Physicist, experienced in high power lasers to be responsible for the preparation for, installation and commissioning of the 1.5 TW compression laser. Recruited from university.

25. Software Engineer

- Required September.

Design of software for real time computer systems using GE 2050, 4080, PDP 11/45 or similar machine. Reports to post 7.

26. Experimentalist

- Required November.

Preparation for and operation of 1.5 TW laser.

Ideally should have some knowledge of lasers, optics or fast pulse techniques. Reports to 24.

27. Experimentalist

- Required September.

To work on the design construction and support of diagnostic equipment for the laser physics programme. Reports to 10.

28. Electrical Craftsman

- Required November/December.

Laser installation, cabling and supplies.

Commissioning. Diagnostic installation.

Reports to 18.

29. Technician

- Required January 1976.

Instruments technician, electrical or mechanical for work with 100 GW laser on commissioning and operations. Experience with precision alignment or high speed electronics an advantage.

Reports to 14.

30. Technician

- Required February.

Instrument technician, electrical or mechanical to work with 1.5 TW laser on commissioning and operations. Experience with precision alignment high speed electronics or high vacuum systems an advantage. Reports to 24.

31. Secretary

- Required September.

General Secretarial duties in projects office.

P R Williams

C Whitehead

21 March 1975

LASER PROJECT STAFFING
OBJECTIVE APRIL 1976.

Project Officers
1. SRC ^{PLM}
2. AERE ^{CW}

Project staff a major since Feb. 1976. Not doing since job

SCI. PROGRAM
Head of Th. Group
3
^P
~~DETFA~~

Indicate primary responsibility by marking head of each of periods

THEORY + COMP.
Physicist (Theor)
5
^P
~~TELE~~

DIAGNOSTICS
Physicist
10
^N
May 75 ~~(EOD)/PR~~

100GW
Physicist
14
^R
Jul 75

1.5 TW
Physicist
24
^R
Nov 75

ADMIN
Admin. Officer
13
^R
Jun 75
Secretary
9
^R
Apr. 75
Secretary
31
^R
Sep.

CONSTRUCT E/ENG
Instructor
Apr 75
^N
~~ML~~

ENGINEERING
Senior Engineer
4
^N
Apr 75
~~(M)~~

ELECTRICAL
Electr/Inst Eng.
22
^N
Sep 75
~~PC~~

MECHANICAL
Mech Engineer
15
^R
Aug 75

EXPERIMENTAL
Experimentalist
27
^R
Sep 75

EXPERIMENTAL
Experimentalist
16
^N
Jul 75
~~(NA)~~

EXPERIMENTAL
Experimentalist
26
^R
Nov 75

PHYSICIAN/ENG
Physicist/Eng
7
^R
Apr 75
Software Eng.
25
^R
Sep 75

ELECTRICAL
Elect. Draughtsman
12
^R
Nov 75

ELECTRICAL
Mech Technician
20
^R
Sep 75

OPTICS
Physicist
11
^N
Apr 75
~~(MTR)~~

TECHNICAL
Technician
23
^R
Sep 75

TECHNICAL
Technician
30
^R
Feb 76

ELECTRICAL
Elect. Technician
19
^R
Dec 75
~~BMS~~

ELECTRICAL
Elect. Chhand
18
^R
Aug 75

MECHANICAL
Mech Chhand
21
^R
Oct 75

more fixed.

*before start our staff
homework will get
pull part.*

D - in Post
N - Nonmated
R - Required

*on system side - other lines
done mostly of maintenance
structure.*