

Section 4

NATIONAL LASER USERS FACILITY NEWS

This report covers the activities of the National Laser Users Facility for the quarter 1 April to 30 June 1985. During this period five users conducted experiments on LLE facilities. The visiting scientists represented the Lawrence Berkeley Laboratory, Los Alamos National Laboratory, the University of Florida, the University of Maryland, and the University of Texas. The individuals participating in the experiments are listed below.

- **Burton Henke and Paul Jaanimagi**
(Lawrence Berkeley Laboratory)
- **Allan Hauer, James Cobble, William Mead, and Phil Goldstone**
(Los Alamos National Laboratory)
- **C. J. Hooper, Jr.**
(University of Florida)
- **Hans Griem and Samuel Goldsmith**
(University of Maryland)
- **Carl Collins and Suhas Wagal**
(University of Texas)

The groups from the Lawrence Berkeley Laboratory, the Los Alamos National Laboratory, and the University of Maryland are collaborating on an experiment to study the thermal transport of energy into a hot, laser-produced plasma; the University of Florida is studying spectral line-broadening in dense, laser-produced plasmas; and the University of Texas is studying nuclear fluorescence excited by x rays from a laser-produced

plasma. Each of the groups has accumulated an interesting set of data from their experiments. Further details of these experiments will be presented in future issues of the LLE Review.

As reported in the last issue, the Steering Committee met to review proposals and recommend funding levels to the Department of Energy. Eighteen proposals were submitted to the Steering Committee this year. The proposals were in a variety of areas, including plasma physics, x-ray laser research, x-ray spectroscopy, instrumentation, nuclear fluorescence, materials studies, and others. The committee recommended that ten of these proposals be approved. This year, three new proposals were in this approved category: John Apruzese (Naval Research Laboratory), T.R. Fisher (Lockheed Corporation), and J. Garrett Jernigan (University of California at Berkeley). The individual funding levels for these experiments were recommended to the Department of Energy for their consideration.

The users facility will be accepting proposals until 15 December 1985, the deadline for proposal submission. It is expected that the submission deadline in future years will remain 15 December.

For more information about proposal guidelines and the resources available at the users facility, please contact:

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ACKNOWLEDGMENT

This work was supported by the U.S. Department of Energy Office of Inertial Fusion under agreement number DE-FC08-85DP40200 and the various contracts awarded users of the National Laser Users Facility.