

## About the Cover:

Students from high schools in the Rochester area participating in the 1997 High School Summer Research Program. Clockwise from bottom center: (1) Front row (left to right): S. Mitchell, D. Rea, D. Schillinger, J. Yelle, M. Pandina; back row (left to right): D. Bouk, D. Battaglia, Y. Liu, L. Haber-Thomson; (2) Ms. Schillinger fields a question at the High School Student Summer Symposium; (3) Mr. Rea shows a holographic grating; (4) Dr. Robert McCrory, LLE Director, presents the Laboratory's 1997 Inspirational Science Teacher Award to Mr. Raymond Sherbinski of Brighton High School, in recognition of his outstanding work; (5) the students visit the Laser Bay in regulation clean suits; (6) Mr. Yelle shows his plasma calorimetry setup; (7) Mr. Green discusses his work at the Summer Symposium. The summer program is described in a report starting on p. 214.

This report was prepared as an account of work conducted by the Laboratory for Laser Energetics and sponsored by New York State Energy Research and Development Authority, the University of Rochester, the U.S. Department of Energy, and other agencies. Neither the above named sponsors, nor any of their employees, makes any warranty, expressed or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, mark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof or any other sponsor. Results reported in the LLE Review should not be taken as necessarily final results as they represent active research. The views and opinions of authors expressed herein do not necessarily state or reflect those of any of the above sponsoring entities.

The work described in this volume includes current research at the Laboratory for Laser Energetics, which is supported by New York State Energy Research and Development Authority, the University of Rochester, the U.S. Department of Energy Office of Inertial Confinement Fusion under Cooperative Agreement No. DE-FC03-92SF19460, and other agencies.

Printed in the United States of America

Available from

National Technical Information Services  
U.S. Department of Commerce  
5285 Port Royal Road  
Springfield, VA 22161

Price codes: Printed Copy A04  
Microfiche A01

For questions or comments, contact Robert S. Knox, *Editor*, Laboratory for Laser Energetics, 250 East River Road, Rochester, NY 14623-1299, (716) 275-4870.