

INDUSTRIES AND STUDENTS BENEFIT FROM SUMMER INTERN PROGRAM

This year 23 interns were hired by 11 companies in the APS Industrial Summer Intern Program, which helps senior undergraduate physics majors and graduate physics students find summer employment in industrial laboratories.

This summer's interns worked on projects such as the ablation of plexiglass with pulsed ultraviolet laser light, using synchrotron radiation for the study of surface physics, spectroscopy of inorganic oxides, equations of state and phase diagrams, and fabrication techniques for thin film superconductors.

"The best thing about the program," says 1988 intern Kevin Wasserman, "was that I could fill out one application and have it go to many companies that had already expressed interest in hiring someone like me. I didn't have to pick companies out of a hat and send out a lot of applications." Wasserman, a graduating senior at Wesleyan University, obtained an internship at GE Research & Development.

The employers and interns who participated in the 1988 program included the following:

Allied-Signal Corporation (Morristown, New Jersey): Michael Hansen (Gustavus Adolphus College)
AT&T Bell Laboratories (Murray Hill, New Jersey): Mario Paniccia

(State University of New York, Binghamton), Andrew Miklich (MIT), Maxwell Brothers (MIT), Paul Hillner (MIT)

Bell Communications Research (Holmdel, New Jersey): Craig Mandsager (Luther College)

Du Pont Research & Development (Wilmington, Delaware): Virginia Long (University of North Carolina, Chapel Hill), Vonda Fairbanks (College of Wooster), James Hendrickson (University of Wisconsin, River Falls)

Exxon Research & Engineering (Annandale, New Jersey): Spiros Tsalatas (University of Arizona)

General Electric Research & Development (Schenectady, New York): Andrew Hays (Princeton University), Daniel Mittleman (MIT), Kevin Wasserman (Wesleyan University), Frederick Wicklin (Guilford College)

IBM T.J. Watson Research Center (Yorktown Heights, New York): Samuel Osofsky (MIT), Maggie Lee (Bryn Mawr College), Mildred Yeh (State University of New York, Binghamton), William Hough (Montana State University), Pal-sule Chintamani Prabhakar (Texas Tech University)

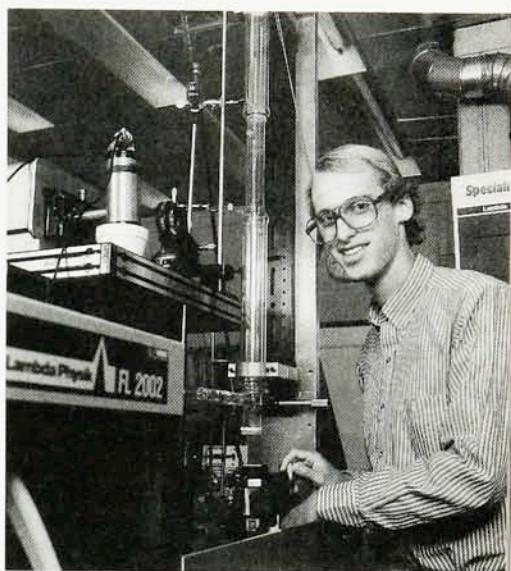
LeCroy Corporation (Chestnut Ridge, New York): Thomas Protzman (State University of New York, Albany)

Monsanto Research Corporation (Miamisburg, Ohio): Joseph West (Wabash College)

Science Applications International Corp (McLean, Virginia): Mark Basten (University of Iowa)

Texas Instruments (Dallas, Texas): Joseph Weber (University of Notre Dame)

Each fall, student applicants submit transcripts, references and a statement of their interests to the program's administrator. The applications are reviewed by a selection committee consisting of seven physicists from industry and academia. The companies contact prospective



Kevin Wasserman, an APS summer intern at the General Electric Research & Development Center, uses spectroscopic methods to perform diagnostics in tungsten-halogen lamps. Wasserman is a 1988 graduate of Wesleyan University and starts graduate work in physics at MIT this fall.

interns directly and negotiate the terms of summer employment.

This year the review committee was headed by Eugenie Mielczarek of George Mason University, and approximately 80 students were accepted into the 1988 program.

Further information on applying to the Industrial Summer Intern Program can be found in summer editions of the *Bulletin of the American Physical Society*. Companies wishing to participate should request a company information form on which to indicate the skills they require. The student application deadline for the 1989 program is 31 October. Application forms have been sent to all physics department chairs, and forms may also be obtained from the ISIP Administrator, American Physical Society, 335 East 45 Street, New York NY 10017.

Second Alliance Workshop

The second in a series of NSF-sponsored workshops on forming alliances between high school and college physics faculty members will be held in Spencer, Indiana, on 18-19 November. The workshop will be led by David Braunschweig of West High School, Madison, Wisconsin, and Ruth Howes of Ball State University, Muncie, Indiana. Leon Lederman, director of Fermilab, will be the luncheon speaker. For further information, contact Charlene Reich, American Physical Society, 335 East 45 Street, New York NY 10017; telephone (212) 682-7341.