

## Davidson Awarded \$100,000

***Kaul Foundation Recognizes PPPL Director for Excellence in Plasma Physics***

The letter, wrapped around a hefty check, arrived just a few days after the Laboratory closed for the Christmas break.

Tucked inside a growing pile of mail for PPPL Director Ronald Davidson, the piece of correspondence that would have a rippling effect of generosity on Princeton University — specifically on PPPL employees — remained unopened until the Laboratory resumed activities after the holidays.

When Davidson finally unfolded the single sheet of stationery on January 5, a \$100,000 check dropped into his lap, accompanied by an announcement that he is the recipient of the Kaul Foundation 1993 Award for Excellence in science, education, and physics.

### Davidson Shares \$100,000

Said Davidson, who has decided to pass a chunk of his check onto PPPL employees in the form of an annual prize, "I was surprised and deeply honored. I have worked many years in plasma physics and fusion, and I certainly feel honored to have my accomplishments recognized."

The PPPL Head noted that when he opened the letter, he had not previously heard of the Foundation that was citing him for his "outstanding achievements as a scientist, educator, and author in the field of physics of nonneutral plasmas."

Wishing to find out more about the foundation that had singled him



***Dr. Ronald Davidson, Director of the Princeton University Plasma Physics Laboratory, is the 1993 recipient of the Kaul Foundation Award for Excellence in science, education and physics.***

out as its 1993 recipient, he put in a call to the organization's headquarters.

"First of all, I thanked them for the award and asked a little more about the Foundation," said Davidson, who was pleased to discover he is in good company. Other recipients include syndicated columnist and author George Will, also a Princeton University graduate alumnus, and former U.S. Surgeon General C. Everett Koop.

Davidson, who received the Department of Energy Distin-

guished Associate Award and the Fusion Power Associates Leadership Award in 1986, is the only person from PPPL to ever receive the Kaul Foundation Award. It is typically given to one individual a year.

The foundation was created by Ralph Kaul, a Florida businessman, to encourage and reward excellence of national significance in scientific, public health and safety, literary, fine arts, and educational endeavors.

According to the letter from the Foundation, its Awards Committee "was very impressed with the Associated Press report on December 11, 1993 that the experimental hydrogen reactor at the Princeton Plasma Physics Laboratory unleashed a burst of 5.6 million watts of electric energy from the fusion of hydrogen atoms."

### Milestone in Fusion Cited

The letter continued, "This was a real milestone in fusion energy development and the scientists expect to increase the output to 10 million watts, which is enough to power about 3,000 U.S. homes. We believe that more advanced reactors will be designed and will lead to commercial fusion reactions in the 21st century."

In a congratulatory note to Davidson, N. Anne Davies, Associ-

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## Davidson Awarded

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ate Director for Fusion Energy at the DOE's Office of Energy Research, reiterated the Kaul Foundation's praise by writing, "You have indeed made significant contributions to the field of plasma physics and controlled nuclear fusion."

Davidson, whose attachment to Princeton University spans three decades — from his days in the 1960's as a graduate student earning his Ph.D. to the 1990's as the Director of PPPL — turned over \$40,000 of the Kaul award to his alma mater and present employer. The PPPL Director asked that the University endow a "Prize for Excellence in Plasma Physics Research and Technology Development," which will be awarded annually to a scientist or engineer at PPPL for outstanding technical achievement.

### Davidson Gives Back

"This is one way of really giving something back to Princeton — an alumnus returning something to the institution that has given me so much," explained Davidson, who juggles research, student supervision, and writing with the many duties of managing the Laboratory. "I feel very fortunate to have had the opportunity to work in fusion and plasma physics over the decades. I was a graduate student here at Princeton, so the institution certainly has been good to me from an educational point of view. And coming here to be Director of the Laboratory has also been an exciting opportunity."

Congratulating and thanking Davidson for receiving and sharing the award, Princeton University President Harold Shapiro said, "This is a wonderful tribute to all of your dedication and hard work in the development of fusion energy, as

well as the superb leadership you have provided for PPPL...It will be a pleasure for all of us to observe the 'ripple effects' that your award will thereby have for your colleagues at the Laboratory in years to come."

Added Martha A. Krebs, Director of the Department of Energy Office of Energy Research, "I was struck by your generous act of endowing a 'Prize for Excellence in Plasma Physics Research and Technology Development' at Princeton Plasma Physics Laboratory. By taking this opportunity to invest in generations of future fusion scientists and engineers, you have set a positive example for all of Energy Research."

***"I feel very fortunate to have had the opportunity to work in fusion and plasma physics over the decades. I was a graduate student here at Princeton, so the institution certainly has been good to me from an educational point of view. And coming here to be Director of the Laboratory has also been an exciting opportunity."***

***—Ron Davidson***

The PPPL Council will submit nominations for the award annually to the Prize Selection Committee, which will include the Princeton University Provost, the Chair of the Princeton University Research Board, and the PPPL Director, Deputy Director, and Associate Director for Research. The first one should be awarded in about a year.

"I hope that many of the outstanding scientists and engineers at PPPL who contribute so generously of their extraordinary talents to the development of fusion as a safe and environmentally attractive energy source will receive much-deserved recognition for their exceptional contributions for many years to come," said Davidson, who served as Director of the Massachusetts Institute of Technology Plasma Fusion Center from 1978 to 1988 and is the author of more than 200 journal articles and books.

Davidson, recalling his first encounter with Princeton 30 years ago, noted that PPPL has gotten larger since his early days here but remains unchanged in one important way. "It still has very high standards of excellence. The university is a great institution and the Laboratory is an outstanding research establishment," he said.

## HOTLINE

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The PPPL HOTLINE is issued by the Princeton University Plasma Physics Laboratory, a research facility supported by the United States Department of Energy. It is primarily an internal publication. Correspondence and requests to reprint material should be directed to the Editor, PPPL HOTLINE, P.O. Box 451, Princeton, NJ 08543; fax 609-243-2751 or telephone 609-243-2754; Interoffice correspondence should be addressed to Room B366, LOB-Bldg, C-Site.

## And Now the Rest of the Story...

Shortly after her boss found out he had received a \$100,000 award, Dolores Lawson went on a mission.

She went about finding out everything she could about the organization—the Kaul Foundation—that had recognized Laboratory Director Ronald Davidson.

“I went to the library to see if they had any information on Kaul,” said Lawson, who is Davidson’s Assistant. “The librarians at Firestone did an electronic search, and the Office of Research and Projects Administration on the main campus sent us information as well.”

Lawson discovered that the foundation was established in 1986

by Florida businessman Ralph Kaul to “provide awards for excellence to individuals and the programs they direct.”

Reached by telephone, Kaul, an 80-year-old real estate developer based in Tampa, explained he started the Foundation to recognize and award individuals and institutions for excellence in work of national and international significance. He noted that controlled fusion at PPPL is “of enormous significance.”

“It gave us great pleasure to give that award,” said Kaul, a Salt Lake City native who graduated from Reed College in Portland, Oregon, in 1935.

Noting other awardees, Kaul said the Foundation recognized James D. Watson with the 1992 award for his development of the DNA and genetic research; and General Norman Schwarzkopff, retired, in 1991 for his “military lead-

ership and international security.” In 1989, it cited former U.S. Surgeon General C. Everett Koop because of his “successful campaign against smoking.”

***“It gave us great pleasure to give that award.”***

***— Ralph Kaul***

“We feel that the awards that we have made are very good evidence of the quality of the Foundation and the good work it encourages,” said Kaul, who was a Navy Lieutenant in World War II and was later in charge of Building and Priorities for the National Security Resources Board under President Truman.

Kaul, who has homes in Tampa, Florida, and Arlington, Virginia, as well as a beach house in Florida,

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***Ralph Kaul, who established the Kaul Foundation in 1986 to award individuals and institutions for excellence, is pictured with his wife, Virginia, during what he called the “forty-first anniversary of my thirty-ninth birthday.”***

## Kaul

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retired from government work in 1953.

"I decided I wanted to be a millionaire so I made my fortune in general contracting and building," said Kaul, noting his projects consisted mostly of shopping centers, office buildings, and apartment complexes.

The developer continues to work full time, getting away on weekends with his wife to their "escape place" in Florida on the Gulf of Mexico, where he is a self-described "skillful yardman."

Concerning his educational background, Kaul said he had been a first Littauer Fellow at the Harvard Graduate School of Public Administration in the late 1930's and a Rockefeller Fellow while at Columbia University and at the Council of Foreign Relations in New York. He also serves as Trustee at Reed College and continues to be very interested in education.

Kaul noted that the Foundation, whose trustees include his son, James, and stepsons, Victor and John Holcomb, does not seek applications from potential awardees. Alan Dean of Arlington, Virginia, Chairman of the Awards Committee, and his associates are constantly reviewing significant projects and programs and make their recommendations to the Foundation for one award each year.

### Big Surprise

And, as Kaul noted, "these awards come as a big surprise to people." He said most recipients have never heard of the Foundation when they receive the citation.

According to Lawson, PPPL's Head was no exception. "Dr. Davidson was just amazed when he got the check," she said.

## United Way Gets Results

It was a success!

With half of PPPL's employees contributing a total of about \$24,000, the Lab's United Way 1993/1994 Campaign came off with flying colors.

"We were very pleased with the level of participation during such a tough year. The Lab employees really rose to the occasion and gave from their hearts," said Scott Larson, Chairman of this year's United Way Campaign at PPPL.

The generosity of the Laboratory's staff, which helped United Way reach 97 percent of its goal, won PPPL a Gold Award. United Way gives the awards to salute top performing organizations whose total corporate and employee support exceeds \$25,000 or whose employee per capita is over \$15. PPPL Director Ronald Davidson presented the award to Larson on Friday, March 25.

"We greatly appreciate all your hard work and we are delighted the campaign was so successful," said Davidson during the presentation.

Larson commended the United Way Campaign Committee at PPPL and the employees who participated in the Campaign, noting the citation

is a team award. "It really represents a team effort by all the members of the United Way Campaign Committee and by PPPL staff. I was very happy to receive the award on behalf of the Lab."

In addition to Larson, the committee included Olga Bernett, Joyce Bitzer, Mary Ann Brown, Sonja Patterson, Barbara Sarfaty, Rod Templon, Pat Terlitz, Gregg Tompkins, Johanna Van Wert, Joan de Vastey, and Steve Williams.

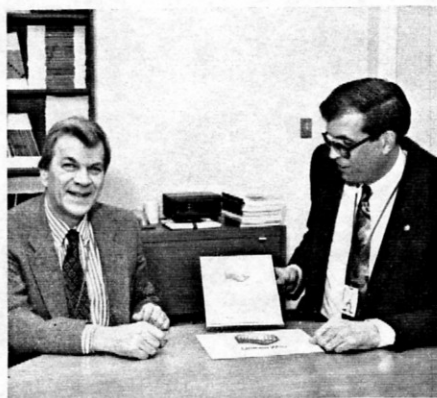
Congratulations are in order for the Committee and for all those at the Laboratory who gave so generously, as well as for several PPPL employees who won prizes during the United Way Grand Prize Drawing on December 17. Richard Daugert won the Grand Prize, a round trip for two to London. The tickets were donated by Virgin Atlantic Airlines.

Daugert, who plans to take the trip to London in June, said, "I was really happy. London is one of the places I've always wanted to see."

Daugert, who hasn't decided who he'll take along yet, said he found out he won the trip "through the grapevine" shortly before being officially notified. Since he had recently traveled to Venezuela and Costa Rica, he thought some of his pals were teasing him when they told him he could add England to his travel plans.

Commenting on United Way, the Grand Prize winner said, "Contributing to United Way is one of the many great ways I am able to make the world a better place."

The winners of the six other United Way prizes drawn the same day are retiree Don Grove, who won the overnight accommodations and



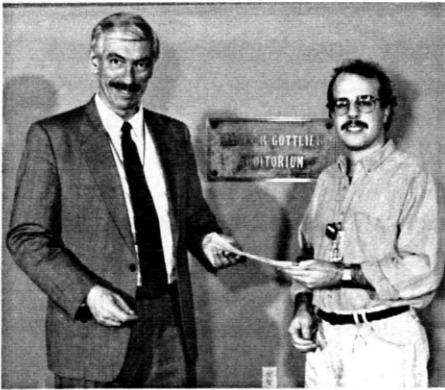
**PPPL Director Dr. Ronald Davidson (left) presents the United Way Gold Award to Scott Larson, Chairman of the United Way Campaign at PPPL.**

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## United Way

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**Deputy Director Dale Meade presents Rich Daugert with the United Way Grand Prize, a trip for two to London.**

breakfast at the Marriott Hotel; Shelley Manning, who received the Waterford fountain pen and ballpoint from Hamilton Jewelers; Tom Meighan, who received the certifi-

cate for coffee and donuts with Laboratory Director Davidson; Ann McKee, who was given the brunch for two at the Ramada; and, Willie Arunasalam, who won the large earth ball. Anyone who contributed to PPPL's United Way Fund was eligible for the prizes. Another two dozen Lab employees received gifts—such as gift certificates to area restaurants, an exercise class, a hair salon and a food market—during drawings at the four United Way meetings held on December 9. The assemblies featured speakers from the benefactor agencies, who told PPPL employees how the agencies benefit from contributions. For instance, the Red Cross speaker discussed how donations from PPPL helps its rescue missions.

Larson noted that the day the meetings were held, many Lab em-

ployees were preparing for conducting TFTR's fusion experiments using deuterium and tritium. He emphasized that many who were unable to attend the United Way assemblies participated by making their contributions through the mail.

Pats on the back go to everyone at the Lab who made the United Way campaign such a resounding success this year.

*Anyone interested in offering additional support to United Way can participate in the Day of Caring, which is slated for Saturday, May 14. Volunteers will be sent to help at United Way agencies in the area, with duties ranging from delivering meals to elderly persons to planting a garden to performing a puppet show for small children. To sign up, call Angelo Candelori at extension 2813.*

## TRANSITIONS

### Marriages and Births

Congratulations to **Connie Riviera** of Occupational Medicine and **Mark Kijek** of the Fusion Engineering Division who eloped on February 13, 1994.

### Retirements

**Robert L. Dempsey** retired on November 1 as a Communications Officer for Emergency Services. He had been at the Laboratory since 1982.

**Leon E. Green**, a Communications Officer for PPPL's Department of Public Safety, retired on March 1 after 18 years of service.

**Walter C. Maciolek** retired from PPPL as a Master Instrument Maker on March 1. He had been at the Lab for 15 years.

**Salvatore Mendola**, a Janitor at the Lab, retired on February 1 after 19 years of service.

Staff Assistant **Barbara Norton**, who came to the Lab in 1975, retired on November 1.

Receptionist **Claire Siflinger**, who came to PPPL in 1983, retired on February 1.



**Patti Wieser is the new writer for HOTLINE. She welcomes your ideas for stories. Please drop by her office at B-367 or call her at 2757 with your suggestions.**

## Ellis Lecture Scheduled

"The Research University after the Cold War" will be the topic of Dr. Walter Massey during the final Robert A. Ellis, Jr., Memorial Lecture on Wednesday, April 20.

Massey, who is the Provost and Senior Vice President for Academic Affairs at the University of California, will speak at 4:15 p.m. in the MBG Auditorium.

Massey is a former Director of the National Science Foundation and of the Argonne National Laboratory. His research has focused on the study of quantum liquids and solids. He has also written on issues of science and math education, the role of science in a democratic society, and university-industry interactions and technology transfer in the international setting. At the University of California, Massey is responsible for the development of academic and research planning and policy, budget planning and allocations, and programmatic oversight of the three national laboratories the University manages for the Department of Energy.

The memorial lecture honors Ellis, who was one of the pioneers of magnetic fusion research. In 1956, Ellis came to PPPL, then called Project Matterhorn, to begin work in plasma physics. He was head of the Experimental Projects Division at PPPL, a member of the Laboratory Council, and a Councillor-at-Large of the American Physical Society at the time of his death in 1989. During his career, Dr. Ellis served in many capacities related to fusion research, both nationally and internationally. Previous speakers for the Ellis Lecture include Carl Spight, James Van Allen, Roald Z. Sagdeev, and William Happer.

## In Memory

We are saddened by the loss of so many active, former, and retired employees. We will miss the following: former employee **Robert Ericsson**, who died on December 19; retiree **Howard A. Holzbaur, Jr.**, who died on November 12; PPPL Technical Associate **Arthur J. Newton**, who died on December 30; retiree **Joseph M. Perron, Sr.**, who died on January 25; former employee **Dorothy Quinn**, who died on December 12; retiree **Joseph Sitek**, who died on January 26; retiree **Hubert C. Steigner**, who died on October 13; retiree **William G. Stults**, who died January 20; and, retiree **Edna Willis**, who died on November 5.

## PPPL Staff!

It's Springtime!  
Time to get outdoors!



Join us on a one-day bus trip  
to

**ELLIS ISLAND AND  
LIBERTY ISLAND**

(Extra Attraction: Side Trip to South St. Seaport)

**Sunday, May 22, 1994**

- Bus departs B-Site parking lot—9:00am
- Bus returns B-Site parking lot—7:00pm

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FIRST COME—FIRST SERVED.**

**Purchase Seats at C-Site Reception Desk.**

**\$20.00 per person**