

# Giving to the Department of Physics

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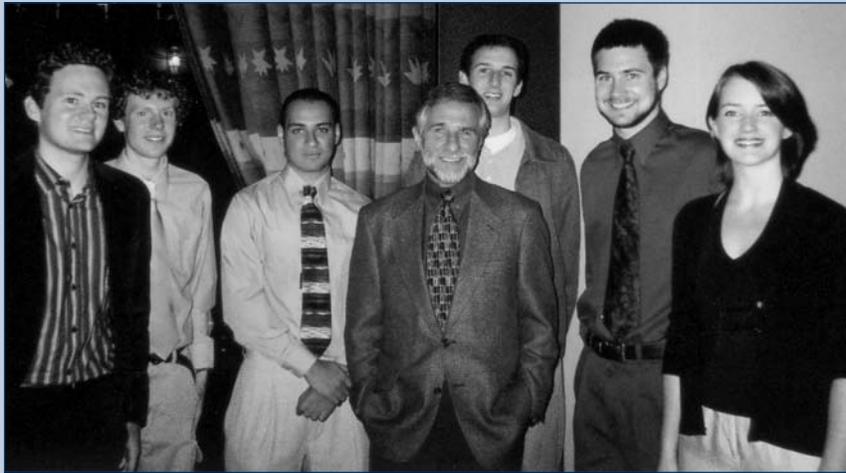
## PATRONS OF PHYSICS FELLOWS

Consider joining the Patrons of Physics Fellows, a new society created to recognize the generosity of friends and alumni/ae supporting first-year graduate students.

Graduate students are essential to the preeminence of the MIT Department of Physics in research and teaching, and critical to the life of the physics community. We rely on these students to calibrate the instruments, crunch the numbers and stay up all night making measurements. They are young, highly skilled, thoroughly driven and unafraid of taking risks. Graduate students are the wellspring of new insights, new ideas and new theories. Maintaining the highest caliber of graduate students is crucial for everything the Department does. More than ever before, we rely on the help of alumni to attract and support these students.

**George Elbaum** (AA '59, SM AA, NU '63, PhD NU '67) understands the important of graduate support. Years ago, his employer, TRW, offered him the opportunity to pursue a doctorate at MIT and George jumped at the chance. Having a fellowship enabled George to select a thesis that interested him and resulted in three very exciting years of his life.

Now in a position to give back to MIT, George has been supporting the Department by funding a number of one-year graduate fellowships. The Whiteman Fellowships, named for George's mother, Pauline Whiteman, are highly prized by the recipients.



*George Elbaum with the Whiteman Fellows*

### **A Generous Challenge**

This year, George has offered to match dollar-for-dollar each new expendable fellowship. This means gifts to the Department will have twice the usual impact. A gift of \$50,000 will provide a student with tuition and stipend for one year. Alumni/ae who become Patrons of Physics Fellows will be providing the opportunity for talented students to find mentors and to identify the field of specialization that excites them.

Intensifying competition for the very best applicants to graduate school makes support for graduate students the Department's highest priority. The goal is to fund ten new fellowships in the next three years. Now, with his match, George Elbaum is encouraging others to follow his example.

Please consider joining the Patrons of Physics Fellows.

## Giving to the Department of Physics

MORTON E. GOULDER '42 ) *"Training in physics is magnificent...I never learned anything that wasn't useful."*

— Mort Goulder '42



Mort  
Goulder '42

There's a twinkle in his eye as Mort Goulder talks about his years at MIT and subsequent career. "I started out as a Course XV business major. That lasted a year and I switched to EE. By the end of my second year I had had my fill of transmission lines. I decided to take the classes I liked and found exciting. Physics offered the interest and flexibility I needed...as for getting a job afterwards, I figured I would take my chances." Mort has never regretted his physics training which he calls "magnificent." In fact, Mort will tell you that he has never learned anything that wasn't useful.

Mort is now President of M. E. Goulder Enterprises, a consulting firm specializing in high technology and investment management. Prior to that he co-founded Sanders Associates, where he served as director and vice-president for 22 years. He initiated and managed two of Sanders' largest divisions: special programs (consisting of reconnaissance and intelligence systems) and electronic design—covering product design for the entire corporation.

While at Sanders, Mort also ran all of their philanthropic activities. It was there that he became interested in leveraging charitable funds to "really accomplish some good." Since then, Mort has devoted his energy to community and educational affairs. From involvement in the city governance of Nashua, New Hampshire, to serving on MIT's Corporation Development Committee, Mort has sought to provide innovative solutions and high tech expertise to address the problems faced by non-profit organizations.

When the Physics Department asked Mort to join the Patrons of Physics Fellows, Mort responded enthusiastically with a one-year expendable fellowship. Mort's gift will make it possible for a first-year graduate student to explore his or her dreams—to really take the time to determine the right area of specialization, to find a mentor, and to have the freedom to develop new insights and ideas—without having to worry where the money will come from. And, because another generous donor has offered to match all new gifts dedicated to graduate support, Mort's contribution will have double the impact!

"MIT is a much better place today," explains Mort. "Today's students have mentors. They live on campus. They have UROPs." Mort likes the changes he sees and rarely misses an opportunity to return to campus and learn something new. He still works full time at the things he enjoys—venture capital, investment management, and board work as well as charitable support. "There are always too many things to do," he sighs.

In addition to his gift of fellowship support, Mort has also established the Morton and Claire Goulder and Family Professorship in Environmental Systems, currently held by Director of the Laboratory for Energy and the Environment, Prof. David Marks.

Mort is very pleased to support the Physics Department and looks forward to meeting the first Morton E. Goulder Fellow.

## JANE AND OTTO MORNINGSTAR '39 )



*Jane  
and Otto  
Morningstar '39*

Otto Morningstar came from Mobile, Alabama, with a love of science and a zeal for learning. At the age of eight, he set fire to his kitchen with his home-grown chemistry set. At 16, he entered Alabama Polytechnic Institute, now known as Auburn University. By good luck, grace, or both, he was discovered in college and encouraged to apply to MIT for graduate school.

Otto arrived at MIT in 1933 with a full scholarship to study physics. For Otto and Jane, it was a great time to be at MIT. Otto worked with Nobert Weiner, Robert Van de Graaff and Robley Evans. MIT President Karl Compton not only knew Otto by name but knew his area of research and thesis topic. Otto was always grateful to MIT and appreciative of his time in the Physics Department.

After Otto finished his doctorate, he and Jane were married and Otto went to work for a textile company in Georgia. In 1942, Otto was called into service and stationed at MIT where he was assigned to the chemical warfare research center. Afterward, he founded his own company, Morningstar Corporation. Morningstar Corporation was involved in the development of plastic reels for data processing tapes and systems for tape handling. As the company grew, so did the Morningstars' support for the Institute.

In 1953, Otto and Jane established a scholarship fund to support physics majors. Over the years, they continued to support the fund. In time, it supported many undergraduate physics majors and even a graduate student in physics. Then, in 1996 they established the Otto and Jane Morningstar Professorship.

Fifty years after their first gift in support of physics students, the Department of Physics asked Jane and her children for help (Otto had died in 1999). Bob Jaffe, Morningstar Professor and Director of the Center for Theoretical Physics, needed to raise money to support a visiting professorship. Ashoke Sen, one of the leading theoretical physicists of our time, had been visiting MIT each spring. He would come from Allahabad, India, for two months of high activity in the CTP and collaborations that often developed into research publications. The Department was afraid of losing him to another university if it didn't find a way to formalize his status.

Jane, and her children, Betty and Dick, agreed to fund the Morningstar Visiting Professorship, thereby allowing the Physics Department to guarantee future collaboration with Ashoke Sen. The family feels their support for MIT is a tribute to Otto and to the legacy he left them: his commitment to scientific thought and research, his interest and gratitude to MIT, and his fundamental belief in philanthropy.

## Giving to the Department of Physics

### GIVING TO THE DEPARTMENT OF PHYSICS )

Giving to the MIT Department of Physics is an investment in innovation and excellence. All gifts are valuable to the Department and deeply appreciated. Naming opportunities exist for graduate fellowships, faculty chairs and research funds. A few naming opportunities are still available in the new Green Center for Physics. As important as outright gifts are to the Department, deferred gifts and other tax planning approaches can often make more substantial gifts possible. Through a planned gift, alumni/ae can give assets to MIT while retaining the income. Charitable remainder trusts, pooled income funds and charitable gift annuities allow donors to give assets without loss of income. Bequests can be made in the form of a specific gift of cash or property, or a percentage of an estate.

For additional information on making a gift to the Department of Physics, please contact:

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You may also make a gift by going directly to the MIT web site at <https://giving.mit.edu/givenow/GiftStart.dyn>, and selecting one of the Physics Department Funds listed below.

3874300 Jerome Friedman Fellowship Fund

3140900 Herman Feshbach '42 Research Fund

3155800 Philip Morrison Fund

3712902 Physics Department Renovation Fund

2657500 Physics Department Unrestricted