

herbs and edible flowers from her garden in many of the exotic meals she and her husband cooked from scratch and served at dinner parties at their home.

Indeed, food sparked what Goldberger called an epiphany about her Jewish heritage, which she also wrote about. She grew up in a town she described as “just a wide place in the road before oil was discovered,” where “very few people had ever actually seen a Jew, let alone lived alongside one.” It wasn’t until her first visit to family in Chicago during spring break at college, when she accompanied them to temple services, that she embraced her heritage. “People were helping themselves from enormous trays of pastries like none I had ever seen,” she wrote. “In the Protestant world where I grew up . . . you were supposed to pretend not even to look when you took just the nearest piece from the plate.” Her enthusiasm for quality food and good humor was evident at the small au revoir to the

Goldbergers on May 25, 1987, at the home of MacArthur Professor of Geology and Geophysics Gerald Wasserburg—who was also chair of the Division of Geological and Planetary Sciences—and his wife, Naomi. The 27 guests were told to bring good company, no serious presents, and lots of “Banana Republic banality and style to the send-off of the Top Banana and the Pineapple Queen.” The hosts and their helpers were rumored to have cooked for three days straight to prepare an authentic Indonesian banquet, with every herb, spice, and condiment researched. A “foodie” long before the word was introduced, Mildred blessed the feast, praised the kitchen staff, and ate with the style and gusto that marked her presence at Caltech.

Goldberger is survived by her husband; sons Samuel and Joel; and grandchildren Nicole, Natalie, and Natasha. □

1. Judith Goodstein 2. Norman Lear 3. Richard Feynman 4. Mildred Goldberger 5. “Murph” Goldberger 6. John Hopfield 7. Cynthia Blum 8. Arle Michelson 9. G. J. Wasserburg 10. Marie Morrisroe 11. Murray Gell-Mann 12. Lydia Mathews 13. Gwyneth Feynman 14. Susan Goldreich 15. Stanley Sheinbaum 16. Naomi Wasserburg 17. Betty Sheinbaum 18. Shirley Cohen 19. Barclay Kamb 20. Peter Goldreich 21. David Morrisroe 22. Dianne Epstein 23. David Goodstein 24. Cornelia Hopfield 25. Samuel Epstein 26. Marshall Cohen 27. Linda Kamb

## KANAMORI WINS KYOTO PRIZE

**Hiroo Kanamori**, the Smits Professor of Geophysics, Emeritus, has been awarded Japan’s top honor, the Kyoto Prize, by the Inamori Foundation. The foundation was established in 1984 by Kazuo Inamori, founder and chairman emeritus of Kyocera and KDDI Corporation, to award those who “strive for the greater good of society.”

Kanamori is one of the world’s leading authorities on earthquakes, and is widely known for many important contributions to the field, including the moment-magnitude scale, devised

in 1977, which determines the magnitudes of very large earthquakes based on the amount of energy they release. Using the improved method, Kanamori assigned more precise magnitudes to large earthquakes of the past, like the 1960 Chilean earthquake, which he determined to be the world’s largest known earthquake at a moment magnitude of 9.5. Kanamori also contributed to the understanding of tsunamis, in particular the relationship between ground motion and the giant sea waves generated by it. He has long been an advocate of automated early-warning systems to alert populations to a seismic event that could result in a tsunami. Kanamori will receive a cash gift of 50 million yen (approximately \$410,000), a medal of 20-karat gold surrounded by emeralds and rubies, and a diploma, and will be feted at a special weeklong event in Kyoto beginning November 9. He plans to donate half of the award money to Caltech’s Seismological Laboratory and the other half to Japanese earthquake relief funds. □



## GOLDREICH GETS SHAW PRIZE

**Peter Goldreich**, the DuBridge Professor of Astrophysics and Planetary Physics, Emeritus, has been named winner of the \$1 million 2007 Shaw Prize for astronomy by the Shaw Prize Foundation of Hong Kong. The prize is awarded each year to four recipients in the fields of astronomy, life sciences and medicine, and the mathematical sciences. Goldreich was cited by the foundation for his “lifetime achievements in theoretical astrophysics and planetary sciences.” Goldreich’s work has addressed fundamental phenomena such as the dynamics of planetary rings, pulsars, interstellar masers, the spiral arms of galaxies, the rotation of planets as well as their orbital resonances, and the oscillations of the sun. He



has explored a range of topics, from why Saturn’s rings have sharp edges, to how stars send out coherent microwaves, or masers, in a manner similar to lasers on Earth, to how the moon Io affects the radio bursts of Jupiter. He is currently focusing on planet formation and turbulence in magnetized fluids. □

## HONORS AND AWARDS

The Sperry Professor of Biology and investigator with Howard Hughes Medical Institute **David Anderson**, the Mettler Professor of Engineering and Applied Science **William Johnson** (PhD ’75), and the McCone Professor of High Energy Physics **Mark Wise** have been elected members of the National Academy of Sciences. Election to the academy is considered one of the highest U.S. honors in science and engineering.

**Jacqueline Barton**, Hanisch Memorial Professor and professor of chemistry, has been awarded the 2007 F. A. Cotton Medal for Excellence in Chemical Research by the Texas A&M Section of the

American Chemical Society and the university’s department of chemistry. The honor recognizes her contributions to molecular biology, particularly her intercalation techniques for the study of DNA. A director of Dow Chemical, Barton has also been named an Outstanding Director for 2006 by the Outstanding Directors Exchange for her role in creating the post of chief technology officer at Dow.

**Mike Brown**, professor of planetary astronomy, has been awarded the Richard P. Feynman Prize for Excellence in Teaching in recognition of “his extraordinary teaching ability, his skill in exciting his students, and his evident

cares about his students’ learning.”

**Charles Elachi** (MS ’69, PhD ’71), Caltech vice president, director of the Jet Propulsion Laboratory, and professor of electrical engineering and planetary science, has been selected by the Aerospace Historical Society to receive its 2007 International von Kármán Wings Award. The award recognizes him for his exceptional leadership at JPL as well as related distinguished technical contributions to the nation and its aerospace industry. He has also been elected to the National Academy of Engineering’s governing council for a three-year term.

**Leroy Hood** (BS ’60, PhD ’68), visiting associate in biology and president of the Institute for Systems Biology, has been elected to the National Academy of Engineering, which cited his “invention and commercialization of key instruments, notably the automated DNA sequencer, that have enabled the biotechnology revolution.” Hood also received one of the first-ever Science Education Advocate Awards of Washington State LASER (Leadership and Assistance for Science Education Reform), along with the **Laser Interferometer Gravitational-Wave Observatory** (LIGO) in Hanford, Washington, created by Caltech and MIT.

**Ken Hudnut**, visiting associate in geophysics, has been named one of “50+ Leaders to Watch” by *GPS World* magazine, which has been covering the global-positioning industry since 1989. A geophysicist and project chief with the U.S. Geological Survey, Hudnut manages the GPS L1C modernization project and is geodesy coordinator for the U.S. Department of the Interior.

**Alexander Kechris**, professor of mathematics, gave the ninth annual Paul Erdős

Colloquium at the University of Florida on May 7.

The Troendle Professor of Cognitive and Behavioral Biology, Professor of Computation and Neural Systems, and Executive Officer for Neurobiology **Christof Koch**, the Hayman Professor of Aeronautics and Mechanical Engineering **Michael Ortiz**, the Harkness Professor of Economics and Political Science **Charles Plott**, and the Brown Professor of Theoretical Physics **John Schwarz** have been elected to the American Academy of Arts and Sciences. Founded in 1780 by John Adams, John Hancock, and other scholar-patriots, the academy “undertakes studies of complex and emerging problems.”

**Stephen Mayo** (PhD ’87) has been named Bren Professor of Biology and Chemistry, effective February 1. He is also an investigator with the Howard Hughes Medical Institute and became an executive officer for biochemistry and molecular biophysics in 2004.

**Hiroshi Oguri** has been named Fred Kavli Professor of Theoretical Physics, effective February 1.

**Edward Stone**, Morrisroe Professor of Physics and vice provost for special projects, has received the Philip J. Klass Award for Lifetime Achievement as part of *Aviation Week’s* 50th annual Laureate Awards. The Laureate Awards recognize achievements in aerospace, aviation, and defense. A principal investigator on nine NASA spacecraft missions and coinvestigator on five others, Stone has served as project scientist for the Voyager 1 and Voyager 2 deep-space probes since 1972. He has also served as director of the Jet Propulsion Laboratory. □