

Caltech 336

T E S S E M T W T E S S E M T W

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Paul Wennberg



Charles Steidel

Two faculty named geniuses

Professor of Astronomy Charles Steidel and Professor of Atmospheric Chemistry and Environmental Engineering Science Paul Wennberg have been named 2002 MacArthur Fellows, a prestigious honor bestowed each year on innovators in a variety of fields and commonly known as the "genius grant."

They were among 24 fellows announced by the John D. and Catherine T. MacArthur Foundation of Chicago. Each recipient will receive a five-year, \$500,000 grant, no strings attached.

The two join past Caltech winners Jacqueline Barton, Hanisch Memorial Professor and professor of chemistry; John Benton, the late Dreyfuss Professor of History; Michael Dickinson, professor of bioengineering; Hideo Mabuchi, associate professor of physics and control and dynamical systems; John Schwarz, Brown Professor of Theoretical Physics; James Westphal, professor of planetary science, emeritus; and Erik Winfree, assistant professor of computer science and computation and neural systems.

Steidel has made numerous contributions to the field of cosmology in the ongoing attempt to understand galaxy formation and evolution. In particular, he's known for developing a technique that effectively locates early galaxies at prescribed cosmic epochs, allowing for the study of large samples of galaxies in the early universe. Access to these samples, observed primarily using the Keck telescopes on Mauna Kea in Hawaii, permits mapping of the galaxies' distribution in space and detailed observation of individual galaxies, thus providing insights into their formation.

Steidel says he hasn't yet decided what to do with the grant. "I'm giving it some thought, but I'm still in the disbelief phase—it took me completely by surprise!" he said. "The unique nature of the fellowship makes me feel like I should put a great deal of thought into coming up with a creative use for the money. It does feel a bit odd to be recognized for work that is by its nature collaborative and dependent on the hard work of many people, but at the same time I am very excited by the possibilities."

A graduate of Princeton University and Caltech, Steidel was a faculty member at MIT before returning to the Institute. He has also received fellowships from the Sloan and Packard foundations, as well as

see *Geniuses*, page 6

New home page unveiled

Electronic Media Publications (EMP) is pleased to launch a revamped Caltech home page that packs new features and search capabilities into a clean, streamlined design and provides templates for creating or updating departmental or individual pages.

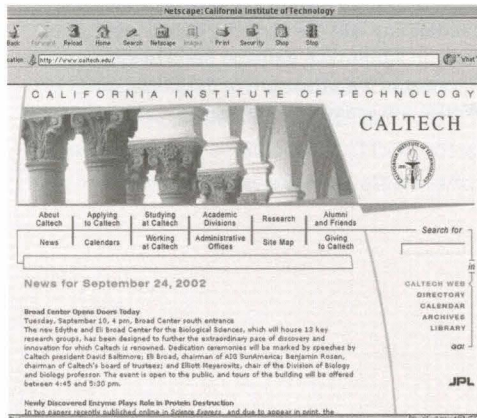
When the page is opened, a summary of the latest campus news appears prominently under a navigational bar with 12 main links that organize all major campus Web pages. Pointing at a link brings up a short description of what it contains, and clicking on it immediately replaces the news area with a menu of possible destinations.

At the top of the page is a banner image of campus scenes that rotate periodically; visitors can browse all of the scenes by clicking on the banner directly. The right side of the page provides access to an improved site search engine incorporating the Google technology, as well as to searches of the personnel directory, calendar, Archives, and library databases.

Campus Web masters can also join in the site's redesign by using the provided templates to easily update or create pages that conform to the new style. The templates can be accessed at www.caltech.edu/caltech/templates.

According to Caltech alum Aurelius Prochazka (PhD '97), who programmed the former and new home pages, the new site works best with the latest browser versions, but "every attempt was made to accommodate all browsers commonly used on campus." Preferred browsers are Internet Explorer, version 5 and above; Netscape, version 6 and above; and Mozilla. A list of all usable browsers is located at www.caltech.edu/caltech/browser-requirements.

The home page project was supervised by Charlie White, manager of EMP, which is also responsible for the @Caltech online community and the Tech Today daily news service. Gail Anderson, who designed the page, has also built Web sites for Dining Services, Housing Services, the bookstore, and other campus departments.



The leaner, smarter Caltech home page features a sleek new look and Google search technology.

Learning the ropes



Caltech's incoming class of 2006 builds bonds with an exercise called The Ropes, at the annual Frosh Camp orientation, held September 23–25 at Astro Camp in Idyllwild.

Family Night to feature film and fun

Evil aliens have kidnapped all adults from Earth. What are the kids, who are left behind, to do? Play all day, for one thing. But when they get hungry for snacks, then what? That's when they turn to Jimmy Neutron, a kid who is way ahead of his friends in the smarts department, but a bit of a slouch when it comes to being cool.

At this year's Caltech/United Way Family Night, kids and their families will be able to see a screening of *Jimmy Neutron: Boy Genius*, in Beckman Auditorium. See how Jimmy outsmarts the aliens, gets the parents back home safely, and wins the admiration of all the girls . . . or does he?

Family Night is set to take place on Friday, October 11. All scheduled events are free to members of the Caltech and JPL community and their families.

The movie will top an evening complete with a pasta dinner, children's art, and tons of fun on Beckman Mall. On hand will be Sulley from *Monsters, Inc.*, Spider-Man, and Sleeping Beauty, who will stay awake long enough to make poodles out of balloons. Come for the face painters, stay for the caricaturists.

Tickets for the free dinner are available now in Human Resources, the Caltech Y, the Women's Center, the Caltech Bookstore, the Caltech Children's Center, JPL's Child Educational Center, and the JPL store.

see *Family Night*, page 6



Nelson Nash wins Medal of Excellence

Denise Nelson Nash, director of Caltech Public Events, has been selected by the Institute as its 2002 Medal of Excellence winner. The annual award, sponsored by the Pasadena-based nonprofit Women at Work, recognizes women from area institutions who have made outstanding contributions in the workplace.

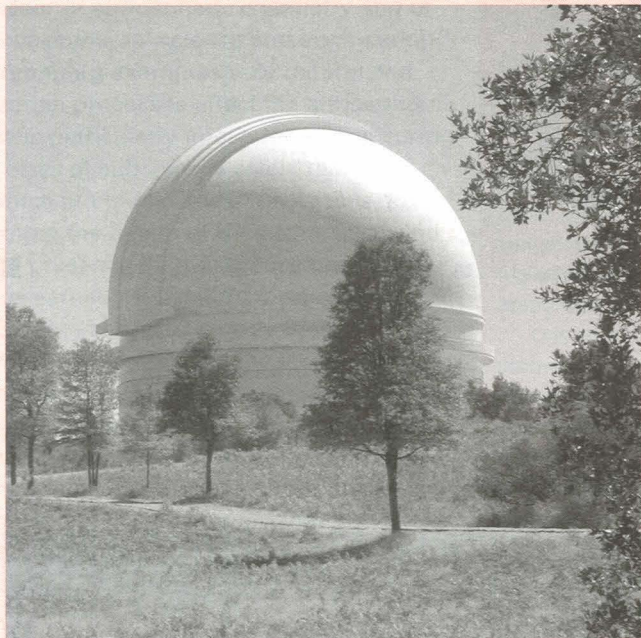
"I was so surprised and pleased to find out that I won," Nelson Nash said. "It's a great honor, and I'm grateful to my colleagues and to the administration for their vote of confidence in choosing me."

She and two other finalists—Mary Ellen Barba, supervisor of staff operations in the Infrared Processing and Analysis Center (IPAC), and Suzette Cummings, assistant to the dean of students and to the vice president for student affairs—were selected from the pool of nominees by an advisory committee and presented to the Institute Administrative Council for a final decision.

In nominating Nelson Nash, Paul Carroad, administrator for the Division of

see *Nelson Nash*, page 6

NewsBriefs



During the Palomar Observatory's Astronomical Fiesta on Friday, September 20, visitors took tours of the 200-inch telescope, just one of several observatories sitting on the crest of Palomar Mountain.

Personals

Welcome to Caltech

September

David Arce, assistant animal lab technician, Biology; **Tsz-Yeung Chiu**, research assistant I, Biology; **Michael Fischer**, electrical engineer/instrument engineer, Physics, Mathematics and Astronomy; **Bertha Gonzalez**, hostess, Dining Services; **Sallie Manson**, administrative aide, Engineering and Applied Science; **Naveed Tahir-Kheli**, associate applications developer, Physics, Mathematics and Astronomy; **Eliseo Valencia**, cook, Dining Services.

Vikram Dendi, **Roderick Dick**, **Austin Forsyth**, **Cesar Gonzalez**, **Loretta Hidalgo**, **Karen Lau**, **Carlo Quinonez**, **Grant Stafford**, and **Philip Venturelli** are Entrepreneurial Fellows in the Division of Engineering and Applied Science.



Vincent Quinones joined Physical Plant on September 9 as director of campus planning and construction. Formerly the division manager for general construction at Turner Construction, Quinones had joined the company as an engineer in 1978. In his 23 years there, he rose through a succession of positions, along the way working on such major projects as Los Angeles International Airport Terminal 2, the Aquarium of the Pacific, the Long Beach Convention Center, and the Southern California Gas Company Tower and Biltmore Tower in Los Angeles. He earned a bachelor's degree in building construction technology from the University of Southern Mississippi in 1978. Al Horvath, vice president for business and finance, expressed his excitement at Quinones's arrival at Caltech. "Vince has worked in construction for over 20 years and he brings knowledge of large projects as well as a real understanding of client service," he said.

New positions

October

Robbie Vogt became R. Stanton Avery Distinguished Service Professor and Professor of Physics, Emeritus, on October 1. After receiving his SM and PhD from the University of Chicago in 1957 and 1961, respectively, he joined Caltech as an assistant professor of physics in 1962. Appointed associate professor in 1965, professor in 1970, and Avery Professor in 1982, he served as chief scientist at the Jet Propulsion Laboratory, 1977-78; as chairman of the physics, mathematics and astronomy division, 1978-83; as acting director, Owens Valley Radio Observatory, 1980-81; as Caltech vice president and provost, 1983-87; and as director of the Laser Interferometer Gravitational-Wave Observatory project, 1987-94.

Deaths

David Morrisroe, a former Caltech vice president, died September 4 at age 70. He earned his bachelor's degree from Manhattan College in 1954, his master's degree from Columbia University in 1956, and his MBA degree from Harvard University in 1964. He served as a U.S. Army lieutenant and at the Rand Corporation and General Electric before coming to Caltech in 1969. He began as director of financial services, was promoted to vice president for financial affairs and treasurer in 1974, and was serving as vice president and treasurer when he stepped down in 1995. The David W. Morrisroe Astroscience Laboratory and the Morrisroe Professorship of Physics, held by Ed Stone, were named in his honor. He is survived by his wife, Marie L. Morrisroe.

Honors and awards

Noel Corngold, professor of applied physics, has been selected to receive the 2002 Wigner Award from the Honors and Awards Committee of the American Nuclear Society "in recognition of his outstanding achievements in the field of nuclear reactor physics."

Leroy Hood, visiting associate in biology, will receive the 2002 Kyoto Prize in Advanced Technology "for outstanding contributions to biotechnology and medical technologies," according to the Inamori Foundation. The prize, which will be awarded during ceremonies November 10 in Kyoto, Japan, comprises a diploma, a gold medal, and a cash gift of approximately \$400,000. In addition, Hood will participate in the second annual Kyoto Laureate Symposium, at the University of San Diego, March 5-7, 2003. Currently president and director of the Institute for Systems Biology, Hood received his BS and PhD from Caltech in 1960 and 1968, respectively.

William Johnson, Mettler Professor of Engineering and Applied Science, has received several honors. He has been elected a fellow of ASM International, the Materials Information Society, "in recognition of his distinguished contributions to the field of materials science and engineering," with his particularly being noted for the invention of bulk metallic-glass-forming alloys and for the development of bulk metallic glasses as structural materials. He has also been selected to receive the 2003 Fellow Award and the 2004 Robert Franklin Mehl Award, both from the Minerals, Metals and Materials Society (TMS) in recognition of his contributions to materials science. In addition, he has received a Highly Cited Researchers Certificate from the Institute for Scientific Information in honor of "his accomplishments as one of the most highly cited and influential researchers in his field."

Joseph Kirschvink, professor of geobiology, has been elected a 2001 fellow of the American Association for the Advancement of Science for his "unique capabilities in producing innovative ideas for linking geologic events and biologic evolution through a study of rock and paleomagnetism and biomagnetism."

Alexander Varshavsky, Smits Professor of Cell Biology, and Avram Herskko of the Technion—Israel Institute of Technology, will share the E. B. Wilson Medal at the 42nd American Society for Cell Biology Annual Meeting this December. The medal conveys the society's "highest recognition for science, and is awarded each year for significant and far-reaching contributions to cell biology over the course of a career."

Hoffmann appointed graduate dean

Michael Hoffmann, Irvine Professor of Environmental Science, was appointed dean of graduate studies in July. He replaces Roderick Kiewiet, who returned to full-time professorial duties earlier this year.

Gary Lorden, former acting vice president for student affairs, said, "The job of graduate dean requires great skill in collaborating with faculty, students, and others in the administration to help make our graduate programs as strong and effective as possible. In his long Caltech career, Mike has gained a wealth of experience in admissions, in working with graduate students as an option representative, and as the executive officer for environmental science and engineering."

A faculty member since 1980, Hoffmann is an expert in environmental chemistry. Awarded the Alexander von Humboldt Prize for his research and teaching in that field, and the American Chemical Society Award for Creative Advances in Environmental Science and Technology, Hoffmann is also a member of two scientific-journal editorial boards and the scientific advisory board of Germany's Max Planck Institute for Chemistry.

Jurca named new MOSH

Associate Professor of Literature **Catherine Jurca** was appointed the new Master of Student Houses, effective August 1. She is the first female faculty member to hold the position.

"As MOSH, Cathy will live in Steele House and will work with students, faculty, and staff to enhance the quality and enjoyment of life in the student houses and off-campus student residences," said Gary Lorden, acting vice president for student affairs. "As a faculty-member-in-residence in Avery House and chair of the Student Housing Committee, Cathy has consistently shown her enthusiastic interest in students and high regard for them."

Lorden expressed thanks to the Interhouse Committee and the MOSH Search Committee, chaired by Professor of Mathematics David Wales and undergraduate Tory Sturgeon, who graduated in June, "for their excellent work on the search."

A first-class group

Members of the first Caltech-JPL class of the University of Redlands master of business administration program earned their degrees in August after meeting Tuesday nights in 070 Moore for two years. Caltech staff members who graduated were **Mary Crystal**, Administrative Technology Center; **Anh Dinh**, Biology; **Judy Young**, Development; **Jerome Geronimo**, Graduate Office; **Muriel Lampe**, **Kevin Speaks**, and **Monica Torres**, Purchasing; **Alberto Devora**, Seismo Lab; and **Mindy Mallie**, Caltech Wired.

Lakeman speaks on nonprofit accountability

Caltech director of development services **Randy Lakeman** took part in a panel discussion, "Maintaining Donor Confidence: Accountability and Transparency in the Nonprofit Sector," at the Philanthropic Leadership Forum, held in Washington, D.C., in August. The forum was part of the 15th annual meeting of the Association of Professional Researchers for Advancement, of which Lakeman is president. "We in the nonprofit sector must recognize the link between our own accountability and the trust the public feels, especially in light of the damage done to corporate America in the aftermath of the Enron and WorldCom scandals," he said.

Elachi receives Takeda Award

JPL director and Caltech vice president Charles Elachi has been named the winner of a 2002 Takeda Award for his work in developing spaceborne radar instruments to monitor the global environment.

The awards, established last year by the Takeda Foundation of Japan, honor individuals who demonstrate outstanding achievements in the creation and application of new engineering knowledge to benefit human needs.

Elachi, an expert on imaging radar and other remote-sensing technologies, shares his prize with two Japanese researchers, Nobuyoshi Fugono and Ken'ichi Okamoto, for work benefiting the environment. He will receive half of the monetary award of 100 million yen (approximately \$833,000), which will be presented at a ceremony on November 20 in Tokyo.

Born in Lebanon, Elachi joined JPL in 1971 after graduating from Caltech. He served in a variety of research and management positions before being named director in 2001. As a researcher, he is probably best known for his role in developing imaging radar systems for the Space Shuttle that allow scientists to penetrate clouds and even the top layers of soil in arid regions, offering hints of what lies beneath.

The author of more than 200 publications on space exploration, Elachi has served as principal investigator on numerous NASA projects and is currently team leader of the Titan radar experiment on the Cassini mission to Saturn. In 1988, the *Los Angeles Times* selected him as one of "Southern California's rising stars who will make a difference in L.A." The following year, he was elected to the National Academy of Engineering and had an asteroid renamed after him in recognition of his contributions to planetary exploration.

Antonsson named JPL chief technologist

Erik Antonsson, professor of and executive officer for mechanical engineering, has been named chief technologist for the Jet Propulsion Laboratory. His appointment came after a nationwide search led by Richard Murray, chair of the Division of Engineering and Applied Science and himself a professor of mechanical engineering. According to Charles Elachi, director of JPL, "Dr. Murray and his committee interviewed a number of nationally recognized technology leaders and determined that Dr. Antonsson's expertise and experience are an outstanding match for the position." Antonsson began a two-year leave of absence from Caltech on September 9, although he will continue to spend one day per week on campus to pursue his research program.

A member of the Caltech faculty since 1984, Antonsson organized the Institute's Engineering Design Research Laboratory, and he is perhaps best known to the public for his yearly engineering-design contests, in which students are given a design task, a "bag of junk," and a limited number of weeks to build machines that will compete in public against one another to achieve an assigned goal. The recipient of a variety of prestigious awards, including the Richard P. Feynman Prize for Excellence in Teaching, he is a fellow of the American Society of Mechanical Engineers, has published over 100 scholarly papers, and holds five U.S. patents.

He received his BS in mechanical engineering with distinction from Cornell University in 1976 and his PhD in mechanical engineering from MIT in 1982.

October 7–13, 2002

M T W T F S S

Monday, October 7

Geology and Planetary Sciences Hewitt Dix Lecture

155 Arms, Robert Sharp Lecture Hall, 4 p.m.—“Thirty Years After the First Oil Shock: What Has the Oil Industry Learned?” Dr. Pierre Jungels, CEO, Enterprise Oil. Information: www.gps.caltech.edu.

William Bennett Munro Memorial Seminar

25 Baxter, 4 p.m.—Topic to be announced. William Harper, professor of philosophy, Western Ontario University. Refreshments.

Applied and Computational Mathematics Colloquium

101 Guggenheim Lab, Lees-Kubota Lecture Hall, 4:15 p.m.—Topic to be announced. Russ Caflisch, professor of mathematics, UCLA. Refreshments, 3:45 p.m.

Tuesday, October 8

LIGO Science Seminar

351 West Bridge, LIGO Science Conference Room, 11 a.m.—“LIGO’s Thermal Noise Interferometer,” Dr. Eric Black, LIGO Laboratory, Caltech. Information: www.ligo.caltech.edu.

Caltech Library System Presents: Quick Overview of Information Resources

Sherman Fairchild Library, multimedia conference room, noon—Learn the most effective ways to use library services and resources. No reservations are required. Information: 395-6713 or <http://library.caltech.edu/learning/default.htm>. Open to Caltech community members only.

Organic Chemistry Seminar

147 Noyes, Sturdivant Lecture Hall, 2 to 3:30 p.m.—“Design of New C2-Symmetric Chiral Phase-Transfer Catalysts for Practical, Catalytic Asymmetric Synthesis,” Professor Keiji Maruoka, department of chemistry, Kyoto University.

Institute for Quantum Information Seminar

74 Jorgensen, 3 p.m.—“Entanglement Generation and Hamiltonian Simulation in Continuous Variable Systems,” Geza Giedke, Max Planck Institute for Quantum Optics, Germany.

Caltech/JPL Association for Gravitational-Wave Research Seminar Series

114 E. Bridge, 4 p.m.—“Long-Term Evolution of Massive Black Hole Binaries,” Milos Milosavljevic, Sherman Fairchild Postdoctoral Fellow, Caltech.

Carnegie Observatories Colloquium Series

William T. Golden Auditorium, 813 Santa Barbara Street, 4 p.m.—“The Big Impact of Small-Telescope Science,” Professor Randy Phelps, department of physics and astronomy, Cal State Sacramento, and department of physics, UC Davis. Refreshments, 3:30 p.m.

Chemical Physics Seminar

153 Noyes, Sturdivant Lecture Hall, 4 p.m.—“The Chemical Bond in Transition: Calculation of Radical-Molecule Barrier Heights,” James G. Anderson, Weld Professor of Atmospheric Chemistry, Harvard.

Physics Graduate Student Seminar

107 Downs Lab, 4 p.m.—“Superconducting Cavities and the Low-Temperature Phases of Helium,” Ted Corcovilos, graduate student in physics (Yeh group), Caltech.

Wednesday, October 9

Astronomy Colloquium

155 Arms, Robert Sharp Lecture Hall, 4 p.m.—“Interstellar Dust: From Microwaves to X-Rays,” Professor Bruce Draine, department of astrophysical sciences, Princeton. Information: www.astro.caltech.edu/~gma/colloquia.html.

Environmental Science and Engineering Seminar

142 Keck, 4 p.m.—“The Biogeochemistry of Trace Metals in Coastal Regions,” Kristin Orians, associate professor, department of earth and ocean sciences, University of British Columbia. Refreshments, Keck Labs lobby, 3:40 p.m.

Organic Chemistry Seminar

147 Noyes, Sturdivant Lecture Hall, 4 p.m.—“Towards Nanoscale Programmable Computing Devices Made of Biomolecules,” Professor Udi Keinan, Scripps Research Institute and Technion—Israel Institute of Technology.

Earnest C. Watson Lecture

Beckman Auditorium, 8 p.m.—“Countering Terrorism: The Role of Science and Technology,” Jesse Beauchamp, Ferkel Professor of Chemistry, Caltech. Admission is free. Information: 395-4652, 1 (888) 2CALTECH, or events@caltech.edu. Individuals with a disability: 395-4688 (voice) or 395-3700 (TDD). Visit Public Events at www.events.caltech.edu.

Thursday, October 10

Thesis Seminar

106 Spalding Lab, Hartley Memorial Seminar Room, 10 a.m.—“Hot-Wire Chemical Vapor Deposition of Silicon and Silicon Nitride for Photovoltaics: Experiments, Simulations, and Applications,” Jason Holt, graduate student in chemical engineering, Caltech.

Caltech Library System Presents: Endnote for Beginners

Sherman Fairchild Library, multimedia conference room, 2 to 3:30 p.m.—Learn what Endnote is and how to use it to create bibliographies within a word-processing document and as a search interface to online databases and catalogs, allowing you to directly export records from them to your computer. Registration: <http://library.caltech.edu/learning/form.htm>. Open to Caltech community members only.

Ulric B. and Evelyn L. Bray Seminar

25 Baxter, 4 p.m.—“Community Effects and Externalities in Portfolio Choice,” Ilan Kremer, assistant professor, Graduate School of Business, Stanford. Refreshments.

Physics Research Conference

201 E. Bridge, 4 p.m.—“The Science Case for a Deep Underground Laboratory,” Wick Haxton, director of the Institute for Nuclear Theory and professor of physics, University of Washington. Information: www.pma.caltech.edu/~physcoll/PhysColl.html.

Friday, October 11

Theoretical Astrophysics and Relativity Seminar

114 E. Bridge, 2 p.m.—“Planetary Occultations and Transits: Past Triumphs and New Challenges,” Asantha Cooray, Sherman Fairchild Senior Research Fellow in Physics, Caltech. Information: www.tapir.caltech.edu/tapir_seminars.html.

Fluid Mechanics Seminar

101 Guggenheim Lab, Lees-Kubota Lecture Hall, 3 p.m.—“Probing of Complex Flows and Addressing Related Turbulence Modeling Issues in the Laboratory and in the Ocean,” Joseph Katz, professor of mechanical engineering, Johns Hopkins University. Information: www.galcit.caltech.edu/Seminars/Fluids/CurrentFluids/index.html.

Inorganic-Organometallics Seminar

151 Crellin, 4 p.m.—“Effect of Electronic Relaxation of Electron Transfer Reactivity: Application to Rubredoxins,” Pierre Kennepohl, postdoctoral scholar in chemistry, Caltech.

Terrorism, nicotine up for discussion

The fall Watson Lecture series will kick off with a look at two topics that continue to appear in the news. All presentations are free and open to the public, and take place Wednesday evenings at 8 p.m. in Beckman Auditorium.

Events of the past year have made Americans aware of terrorism as never before. Jesse “Jack” Beauchamp, Caltech’s Ferkel Professor of Chemistry, is an expert on airline security who formerly chaired the National Research Council Committee on Commercial Aircraft Security. In 1996, he served as a commissioner on the White House Commission for Aviation Safety and Security, chaired by Vice President Al Gore. On October 9, Beauchamp will discuss “Countering Terrorism: The Role of Science and Technology.”

The broad spectrum of accessible targets and the range of methods that a terrorist might employ in an attack create new challenges for science and technology. In response to terrorist attacks involving commercial aviation, Congress has mandated the development and deployment of new methods to screen passengers and baggage, mainly for weapons and explosives. Beauchamp will discuss the history of these developments and appraise new technologies that may play an important role in the difficult task of preventing and mitigating terrorist attacks.

On October 23, Henry Lester, Caltech’s Bren Professor of Biology, will present “The Response to Nicotine.” If, as many suspect, smokers are self-medicating with this ancient drug, what does nicotine teach us about the brain? Researchers are currently learning in detail how nicotine binds to its receptor proteins, how this reaction activates ion channels, and how it might lead to the activation of genes. In addition, they’re gaining information from genetically designed mice that lack some types of nicotine receptors, and from mice with abnormally high nicotine sensitivity. Lester will describe how scientists are exploiting these advances to create medications with some of nicotine’s benefits and none of its addictive hazards.

No tickets are required for the Watson Lectures. A minimum of 700 seats will be available on a first-come, first-served basis, starting at 7:30 on lecture evenings. For more information, contact Public Events at 1 (888) 2-CALTECH, (626) 395-4652, or events@caltech.edu, or visit www.events.caltech.edu. Individuals with a disability can call 395-4688 (voice) or 395-3700 (TDD).

October 14–20, 2002

M T W T F S S

Monday, October 14

Geology and Planetary Sciences Seminar
155 Arms, Robert Sharp Lecture Hall, 4 p.m.—Topic to be announced. Professor W. Roger Buck, Lamont-Doherty Earth Observatory, Columbia University. Information: www.gps.caltech.edu.

Applied and Computational Mathematics Colloquium
101 Guggenheim Lab, Lees-Kubota Lecture Hall, 4:15 p.m.—Topic to be announced. Dr. Michael Weinstein, fundamental mathematics research department, Bell Laboratories. Refreshments, 3:45 p.m.

Tuesday, October 15

LIGO Seminar
351 West Bridge, LIGO Science Conference Room, 11 a.m.—“Practical Design Challenges in LIGO and MOSAIC,” Professor John Sidles, University of Washington School of Medicine.

Carnegie Observatories Colloquium Series
William T. Golden Auditorium, 813 Santa Barbara Street, 4 p.m.—“The Microwave Background and the Cosmic Web,” Professor Richard Bond, director, Canadian Institute of Theoretical Astrophysics, Toronto. Refreshments, 3:30 p.m.

General Biology Seminar
119 Kerckhoff, 4 p.m.—“Sexually Dimorphic Neural Pathways and Behavior,” Nirao Shah, associate research scientist, Center for Neurobiology and Behavior, Columbia University.

Physics Graduate Student Seminar
107 Downs Lab, 4 p.m.—Topic to be announced. Ben Toner, graduate student in physics, Caltech.

Wednesday, October 16

Astronomy Colloquium
155 Arms, Robert Sharp Lecture Hall, 4 p.m.—Topic to be announced. Mike Shao, JPL. Information: www.astro.caltech.edu/~gma/colloquia.html.

Neurobiology Seminar
24 Beckman Labs, 4 p.m.—“The Dynamic Organization of the Postsynaptic Membrane,” Morgan Sheng, Menicon Professor of Neuroscience, department of brain and cognitive sciences, MIT.

Thursday, October 17

Theoretical Astrophysics and Relativity Seminar
114 E. Bridge, 11 a.m.—“Probing the State and Composition of the Inter-galactic Medium,” Steve Furlanetto, department of astronomy, Harvard. Information: www.tapir.caltech.edu/tapir_seminars.html.

Caltech Library System Presents: Web of Science for Science and Engineering
Sherman Fairchild Library, multimedia conference room, 2 p.m.—Learn tips and tricks for searching Web of Science databases more effectively. Registration: <http://library.caltech.edu/learning/form.htm>. Open to Caltech community members only.

Biochemistry Seminar
147 Noyes, Sturdivant Lecture Hall, 4 p.m.—“Stereo-electronic Effects on Protein Structure and Stability,” Professor Ronald Raines, department of biochemistry, University of Wisconsin–Madison.

Ulric B. and Evelyn L. Bray Seminar
25 Baxter, 4 p.m.—“The Dynamics of Liquidity Provision in an Automated Auction: Theoretical and Practical Implications,” Ananth Madhavan, professor of finance and business economics, Marshall School of Business, USC. Refreshments.

Caltech Series on Achieving Diversity in Science, Math, and Engineering
Ramo Auditorium, 4 p.m.—Topic to be announced. The speaker will be Caltech Trustee Sally Ride, Hibben Professor of Physics at UC San Diego and president, Imaginary Lines, Inc. Admission is free. Reception at 5 p.m. Information: 395-4652, 1 (888) 2CALTECH, or events@caltech.edu. Individuals with a disability: 395-4688 (voice) or 395-3700 (TDD). Visit Public Events at www.events.caltech.edu.

Chemical Engineering Seminar
106 Spalding Lab, Hartley Memorial Seminar Room, 4 p.m.—“Structure Prediction in Protein Folding: Advances and Challenges,” Professor Christodoulos A. Floudas, department of chemical engineering, Princeton University. Refreshments, 113 Spalding Lab, 3:30 p.m. Information: www.che.caltech.edu/calendar/seminars.html.

Physics Research Conference
201 E. Bridge, 4 p.m.—“Sequence, Structure, Function: Novel Spectroscopy and Imaging in Biological Systems,” Stephen Quake, associate professor of applied physics and physics, Caltech. Refreshments, 108 E. Bridge, 3:45 p.m. Information: www.pma.caltech.edu/~physcoll/PhysColl.html.

Science, Ethics, and Public Policy Seminar
237 Baxter, 4 p.m.—“The Bauhaus as a Creative Group,” Professor Peter Loewenberg, department of history, UCLA. Refreshments. Information: www.hss.caltech.edu/ses/index.html.

Von Karman Lecture Series
JPL, von Karman Auditorium, 7 p.m.—“A Billion Suns: The Lives and Deaths of the Stars,” Michelle Thaller, astronomer, Space Infrared Telescope Facility, JPL. Admission is free. Information: www.jpl.nasa.gov/lecture.

Friday, October 18

Fluid Mechanics Seminar
101 Guggenheim Lab, Lees-Kubota Lecture Hall, 3 p.m.—“Hydrofoil Trailing Edge Vortex Shedding at High Reynolds Number,” Steven Ceccio, associate professor, department of mechanical engineering, University of Michigan. Information: www.galcit.caltech.edu/Seminars/Fluids/CurrentFluids/index.html.

Caltech/JPL Association for Gravitational-Wave Research Seminar Series
114 E. Bridge, 4 p.m.—Topic to be announced. Professor Anna Nobili, University of Pisa.

Inorganic-Electrochemistry Seminar
147 Noyes, Sturdivant Lecture Hall, 4 p.m.—“Chemistry of Singlet Oxygen with Arylphosphines and Metal Thiolates,” Matthias Selke, assistant professor of chemistry, Cal State L.A.

Von Karman Lecture Series
Pasadena City College, 1570 E. Colorado, the Vosloh Forum (south of Colorado on Bonnie), 7 p.m.—“A Billion Suns: The Lives and Deaths of the Stars,” Michelle Thaller, astronomer, Space Infrared Telescope Facility, JPL. Admission is free. Information: www.jpl.nasa.gov/lecture/.

Career Fair a cure for anxiety

Are you stressing out about entering the job market? Relax—help is on the way. The Career Development Center will hold its annual Fall Career Fair on Wednesday, October 16, from 10:30 a.m. to 2:30 p.m. on the Beckman Mall.

The event is especially geared toward students of all levels and toward postdocs, but anyone in the Caltech community may take advantage of the opportunity to gather information, speak with company representatives, and drop off their résumés in an informal arena.

A special touch that promises to make the job search more enjoyable will be an appearance by the Street Team of MonsterTRAK, a division of the Monster.com employment Web site. “They bring computers and interactive games in their custom-designed Land Rover,” says career counselor Jonie Watanabe Tsuji. “It should be a fun experience.”

Some of the major companies that had registered to attend as of press time were JPL, Los Alamos National Laboratory, MIT Lincoln Laboratory, Microsoft Corporation, Raytheon, Intel, several divisions of Northrop Grumman, and Rockwell Scientific. Watanabe Tsuji especially encourages first- and second-year students to attend this term because some companies request applications for summer internship opportunities.

For more information, contact the Career Development Center at ext. 6361 or career@caltech.edu, or visit them online at www.career.caltech.edu.



CampusEvents

Monday, October 7

Baby Furniture and Household Equipment Pool

234 S. Catalina, 10 a.m. to 1 p.m.—Loans of kitchen and household necessities and baby furniture are made to members of the Caltech community. Information: 584-9773.

Tuesday, October 8

Photoshop Class

New Media Classroom, 363 S. Hill Avenue, 10 a.m. to noon—Learn the important functions of Photoshop, such as selection, layers, image enhancement, and correct file formats. The emphasis is on research images, but the information is useful to anyone working with images. This two-day class will continue on Thursday. Registration: carolynp@caltech.edu. Information: <http://morel.caltech.edu/classes/workshops.html>.

Preschool Playgroup

Tournament Park, 10 a.m. to noon—Song and storytime, crafts and free play for toddlers and preschoolers (from walking to age 4). Information: 792-7808 or julia@astro.caltech.edu.

Caltech Tai Chi Club

Winnett lounge, 7:15 p.m.—Meets Tuesdays and Fridays weekly. Sessions are free. Information: www.its.caltech.edu/~taichi/.

Amnesty International Letter Writing

Athenaeum Rathskeller, 7:30 p.m.—An informal meeting at which we write letters on human-rights abuses around the world. All are welcome. Refreshments. Information: (818) 354-4461 or lkamp@lively.jpl.nasa.gov. (Note: If the Rathskeller is closed, we will meet on the patio.)

Volleyball

at University of La Verne, 7:30 p.m.

Wednesday, October 9

Baby Furniture and Household Equipment Pool

234 S. Catalina, 10 a.m. to 1 p.m.—Loans of kitchen and household necessities and baby furniture are made to members of the Caltech community. Information: 584-9773.

Wednesdays in the Park

Tournament Park, 10 a.m. to noon—Conversation and coffee for parents and caregivers, and playtime for children. Information: 355-3874 or lcklavins@hotmail.com.

Resumania

Olive Walk, 11 a.m. to 2 p.m.—Prepare yourself now for on-campus interviews, the Fall Career Fair, and internship/fellowship applications. Career counselors and Caltech alumni will be available to review your résumé. Information: 395-6361 or career@caltech.edu.

Laboratory Safety 101

118 Keith Spalding Building, 3 p.m.—This course is designed to prepare incoming researchers to work in a laboratory at the Institute. Issues include laboratory organization, emergencies, injuries, general laboratory safety, and more. Space is limited. Please call 395-6727 or e-mail Andrea.Acosta@caltech.edu to reserve a place.

Men's Soccer

at Pomona-Pitzer Colleges, 4 p.m.

Thursday, October 10

Photoshop Class

New Media Classroom, 363 S. Hill Avenue, 10 a.m. to noon—A continuation of Tuesday's class. Information: <http://morel.caltech.edu/classes/workshops.html>.

Women in Engineering, Science, and Technology Barbecue

South Catalina Recreation Room, 5 p.m.—All female graduate students and postdocs are invited to welcome the new first-year female grad students. Information: 395-2508 or sarah@cheme.caltech.edu.

Friday, October 11

Caltech Tai Chi Club

Winnett lounge, 7 p.m.—Meets Tuesdays and Fridays weekly. Sessions are free. Information: www.its.caltech.edu/~taichi/.

Folk Music Society Presents David Mallett
Dabney Lounge, 8 p.m.—David Mallett is a singer songwriter who accompanies himself on guitar and is well known for "Garden Song," a modern folk song that is sung around the world. Tickets and information: 395-4652, 1 (888) 2CALTECH, or events@caltech.edu. Individuals with a disability: 395-4688 (voice) or 395-3700 (TDD). Visit the Folk Music Society at www.its.caltech.edu/~folkmusi.

Saturday, October 12

Men's Soccer

vs. Claremont-Mudd-Scripps, 11 a.m.

Reduced Shakespeare Company

Beckman Auditorium, 8 p.m.—*The Reducers* abridges the world's greatest books into 90 comic minutes. Tickets and information: 395-4652, 1 (888) 2CALTECH, or events@caltech.edu. Individuals with a disability: 395-4688 (voice) or 395-3700 (TDD). Visit Public Events at www.events.caltech.edu.

Sunday, October 13

Coleman Chamber Concert

Beckman Auditorium, 3:30 p.m.—The Takacs String Quartet will perform works by Beethoven, Bartók, and Schubert. Tickets and information: 395-4652, 1 (888) 2CALTECH, or events@caltech.edu. Individuals with a disability: 395-4688 (voice) or 395-3700 (TDD). Visit Public Events at www.events.caltech.edu.

Monday, October 14

First Aid/CPR Training

Brown Gym classroom, 7:30 a.m. to 5 p.m.—First-aid and CPR training will be offered by Caltech's Safety Office in conjunction with the American Red Cross. Fee: \$20 for materials, to be paid in advance (by check, POETA, or cash) to the Safety Office, mail code 25-6. Registration and information: 395-6727 or safety@caltech.edu.

Credit Union Closure

All branches, 9 a.m. to 4 p.m.—The Credit Union will be closed today for annual staff training. Information: www.cefcu.org.

Baby Furniture and Household Equipment Pool

234 S. Catalina, 10 a.m. to 1 p.m.—Loans of kitchen and household necessities and baby furniture are made to members of the Caltech community. Information: 584-9773.

Tuesday, October 15

Premiere Video Editing Class

New Media Classroom, 363 S. Hill Avenue, 10 a.m. to noon—Learn about digitizing video for use on your computer, including basic editing techniques, adding titles, and using effects and transitions. Output your final project to tape or to file. This two-day class will continue on Thursday. Registration: carolynp@caltech.edu. Information: <http://morel.caltech.edu/classes/workshops.html>.

Preschool Playgroup

Tournament Park, 10 a.m. to noon—Song and storytime, crafts and free play for toddlers and preschoolers (from walking to age 4). Information: 792-7808 or julia@astro.caltech.edu.

Adult, Child, and Infant First-Aid and CPR Training

Brown Gym classroom, 5:30 to 10 p.m.—Adult, child, and infant first-aid and CPR training, offered by Caltech's Safety Office in conjunction with the American Red Cross. Fee: \$15 for materials. This is a two-day class; to receive certification, you must attend today and on Thursday of this week. Class size is limited; call 395-6727 to reserve a place.

Caltech Tai Chi Club

Winnett lounge, 7:15 p.m.—Meets Tuesdays and Fridays weekly. Sessions are free. Information: www.its.caltech.edu/~taichi/.

Wednesday, October 16

Baby Furniture and Household Equipment Pool

234 S. Catalina, 10 a.m. to 1 p.m.—Loans of kitchen and household necessities and baby furniture are made to members of the Caltech community. Information: 584-9773.

Photoshop 7 Update

New Media Classroom, 363 S. Hill Avenue, 10 a.m.—Many new features of Photoshop 7, including file management and image enhancement, will be demonstrated. Reservations: 395-3420 or carolynp@caltech.edu. Information: <http://morel.caltech.edu/classes/demos.html>.

Wednesdays in the Park

Tournament Park, 10 a.m. to noon—Conversation and coffee for parents and caregivers, and playtime for children. Information: 355-3874 or lcklavins@hotmail.com.

Fall Career Fair

Beckman Mall, 10:30 a.m. to 2:30 p.m.—Gather company information, speak with company representatives, and drop off résumés. This informal event is open to the entire Caltech community. Besides postdocs and those seeking full-time employment, freshmen and sophomores are encouraged to attend to become familiar with the companies and to explore summer internship opportunities. (Companies interested in participating must register with the Caltech Career Development Center.) Information: 395-6361 or career@caltech.edu.

Caltech Women's Club Fall Gathering

President's Residence, 11:30 a.m. to 1:30 p.m.—The Fall Gathering is a time for new and returning members to learn about Women's Club events and activities. Lunch may be purchased for \$12.50 (\$7.50 for students). Reservations by October 3. Information: Andree Helou, 798-2327 or andreeh@caltech.edu. In case of rain, we will meet at Avery House.

Photoshop 7 Update

New Media Classroom, 363 S. Hill Avenue, noon—Many new features of Photoshop 7, including file management and image enhancement, will be demonstrated. Reservations: 395-3420 or carolynp@caltech.edu. Information: <http://morel.caltech.edu/classes/demos.html>.

Emergency Preparedness Training

118 Keith Spalding Building, 3 p.m.—This course will describe the campus emergency operations plan, including information about the emergency operations center, evacuation, fire prevention and protection techniques, behavioral principles during an emergency, and personal preparedness. Space is limited. Please call 395-6727 or e-mail Andrea.Acosta@caltech.edu to reserve a place.

Men's Soccer

vs. Occidental College, 4 p.m.

Skeptics Society Lecture

Baxter Lecture Hall, 7 p.m.—"The Blank Slate: The Modern Denial of Human Nature," Steven Pinker, professor of psychology, and director, Center for Cognitive Neuroscience, MIT. Donation is \$8 for nonmembers, \$5 for members and non-Caltech students. Free to the Caltech/JPL community. Tickets and information: 794-3119 or skepticismag@aol.com. Book signing to follow the lecture.

Thursday, October 17

Premiere Video Editing

New Media Classroom, 363 S. Hill Avenue, 10 a.m. to noon—A continuation of Tuesday's class. Information: <http://morel.caltech.edu/classes/workshops.html>.

Adult, Child, and Infant First-Aid and CPR Training

Brown Gym classroom, 5:30 to 10 p.m.—Second day of a two-day class. To receive certification, you must attend both days.

Men's Water Polo

vs. Chapman University, 7 p.m.

Friday, October 18

Caltech Tai Chi Club

Winnett lounge, 7 p.m.—Meets Tuesdays and Fridays weekly. Sessions are free. Information: www.its.caltech.edu/~taichi/.

Saturday, October 19

SURF Seminar Day

San Pasqual Walk, 9 a.m. to 5 p.m.—Attendees will hear SURF students give presentations of their summer research projects. Registration, 9 a.m.; student presentations, 10 a.m.; lunch, 11:45 a.m.; student presentations 1 p.m.; poster session presentations, 4 p.m. Attendance fee: \$20, which covers printed materials, presentations, lunch, reception, and refreshments. Reservations: 395-2885 or sfp@its.caltech.edu. Information: sfp@its.caltech.edu. Student schedules will be available after October 11 on www.its.caltech.edu/~surf.

Men's Soccer

vs. University of Redlands, 11 a.m.

Volleyball

at MIT and Plymouth State, 11 a.m.

Beakman Live!

Beckman Auditorium, 2 p.m.—Obie-award winning Paul Zaloom is Beakman, the zany, high-energy scientist on the award-winning television series *Beakman's World*. Suggested for ages five and older. Tickets and information: 395-4652, 1 (888) 2CALTECH, or events@caltech.edu. Individuals with a disability: 395-4688 (voice) or 395-3700 (TDD). Visit Public Events at www.events.caltech.edu.

Folk Music Society Presents Dan Crary and Beppe Gambetta

Dabney Lounge, 8 p.m.—Dan Crary, a flat-picking guitar stylist, and Beppe Gambetta, an equally talented guitarist from Genoa, Italy, combine their love of the guitar with musical traditions of Italy and the United States. Tickets and information: 395-4652, 1 (888) 2CALTECH, or events@caltech.edu. Individuals with a disability: 395-4688 (voice) or 395-3700 (TDD). Visit the Folk Music Society at www.its.caltech.edu/~folkmusi.

Sunday, October 20

Amnesty International Book Discussion Group

Vroman's Bookstore, 695 E. Colorado Boulevard, 2nd floor, 6:30 p.m.—This month's book is Moses Ishegawa's *Abyssinian Chronicles*, a comic epic about a man's upbringing in 1960s Uganda. All are welcome, even if you haven't read the book. Registered members of the group can buy the book at a discount from Vroman's.

Geniuses, from page 1

the National Science Foundation's Young Investigator Award and the American Astronomical Society's Helen B. Warner Prize.

Holding joint appointments as a professor of atmospheric chemistry and of environmental science and engineering, Wennberg examines how natural and human processes affect the atmosphere. He is particularly interested in measuring a class of substances called radicals, which are implicated in processes governing the health of the ozone layer and the presence of greenhouse gases, and has earned recognition for developing airborne sensors to study them. One of the early results from these measurements showed that conventional thinking was incorrect about how ozone is destroyed in the lower stratosphere, affecting assessments of the environmental impacts of chlorofluorocarbons and stratospheric aircraft.

He was "blown over by the award" when he found out, Wennberg said. "It is a wonderful recognition of the work that I have done in association with the atmospheric scientists working on NASA's U-2 aircraft chemistry program," he said. "I have been pondering how I might use the funds, but have no concrete plans at the moment. It will certainly enable me to do things I wouldn't have thought possible—perhaps even take up the bassoon again!"

A graduate of Oberlin College and Harvard University, Wennberg was a research associate at Harvard before joining the Caltech faculty. In 1999, he received a Presidential Early Career Award in Science and Engineering.

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Nelson Nash, from page 1

Chemistry and Chemical Engineering, wrote, "Denise Nelson Nash brings a level of professionalism and creativity to Public Events that exemplifies the values of service, accountability, and passion. She is committed to the mission of Caltech and to connecting Caltech with the community. Denise also gives generously of her time and expertise to many community activities that benefit local groups and reflect well upon Caltech."

Carroad cited Nelson Nash's "can-do" attitude; her creation of programs such as the Cultural Expedition and Junior Watson programs for high-schoolers and the recent series of events organized around the book *Crowns*; and her extensive community involvement, including her establishment of a nonprofit youth dance collective and her current presidency of the Tournament of Roses Foundation. "I can think of no more deserving a winner of the 2002 Women at Work Medal of Excellence than Denise Nelson Nash," Carroad concluded.

A graduate of Scripps College, Nelson Nash holds an MFA in dance from the

Reaffirming and Extending Caltech's Commitment to Attract and Retain a Diverse Faculty

(Editor's note: This statement is the Institute administration's response to the December 2001 report by the Committee on the Status of Women Faculty at Caltech.)

As the 21st century begins, institutions of higher education face the challenge of increasing the diversity of their faculties across the disciplines, especially in science and engineering. To the extent that their faculties currently do not represent the diversity of American society, institutions fail to take advantage of the full range of talent available and fail to offer their students an educational environment that that is representative of the country. Caltech, an institution primarily focused on the highest caliber research and education in engineering and science, recognizes a special responsibility to attract and retain a diverse faculty.

One component of faculty diversity involves the representation of women; the need to focus on this aspect is made more compelling by the significant numbers of women at the undergraduate, graduate, and postdoctoral levels. In December 2001, the Committee on the Status of Women Faculty at Caltech (CSWFC) issued a report (available at <http://diversity.caltech.edu>) that raised serious issues regarding the experiences of women faculty at the Institute. The Caltech Administration commends the committee on its dedication and effort and wholeheartedly endorses the committee's concluding comment:

In essence, to achieve its full potential, Caltech needs to hire more women faculty, be more proactive in nurturing its junior faculty, and make itself friendlier to the working family.

The Caltech Administration commits itself to addressing in a substantive manner the concerns raised by the CSWFC Report and to implementing changes at the institutional level that respond to the Committee's recommendations. Many of the recommendations apply equally well to the situation of underrepresented minorities. The Administration emphasizes it is also committed to increasing the participation of underrepresented minorities at all academic levels.

Increasing the number of women and underrepresented minority faculty. Caltech will aggressively and proactively recruit women and underrepresented minorities for faculty positions. Concerns of rank or overly narrow disciplinary focus will not be permitted to foreclose the consideration of these candidates in faculty searches. Visiting faculty and postdoctoral positions will be used to bring women and underrepresented minorities to campus to provide visibility for these individuals and their accomplishments and to allow them to experience and enrich the intellectual and educational environment offered by Caltech.

Ensuring equity in salary between male and female professors. Careful attention will be paid to the salaries of women faculty to ensure that there is no systematic undervaluing of their contributions.

Improving mentoring and the tenure experience. Mentoring and tracking programs for junior faculty are being established throughout the Institute. The Divisional and Institute-wide tenure processes are being more clearly defined and will be more regularly scrutinized.

Increasing the participation and visibility of women faculty. The participation of women in upper level administration is already increasing, with the recent election of women to the positions of Chair and Vice Chair of the faculty and the appointments of women to the Chairmanship of one of Caltech's six academic Divisions, to a Vice Presidency and to the Directorship of the Beckman Institute. Several women have also recently been awarded endowed chairs. This laudable trend is expected to increase as women faculty advance in rank throughout the Institute.

Improving the working environment. The Administration recognizes the challenges faced by faculty in balancing family and personal responsibilities and needs with the demands of an academic career. The Administration is committed to assisting working families through provision of expanded daycare opportunities for young children and through progressive parental leave policies.

Monitoring progress. Progress in the implementation of the recommendations of the CSWFC will be monitored by the Administration in close coordination with a standing or *ad hoc* faculty committee constituted by the Faculty Board. The Administration is equally committed to monitoring the Institute's progress in the recruitment and retention of underrepresented minority faculty.

The Caltech Administration recognizes that the changes called for here are not its sole province but will require the engagement and participation of the Caltech faculty. We remain firmly committed to fulfilling the mandate of the presidential inaugural address of March 1998:

Caltech has for years recognized the need to focus on issues of diversity and has made great strides. However, it is an unfinished agenda, and a difficult one—only thoughtful analysis and committed effort on the part of the entire campus will make it happen.

The Administration appreciates the efforts already made by the faculty in this regard and calls upon the faculty to continue its commitment to increasing diversity at Caltech.

David Baltimore, President **Steve Koonin, Provost**

University of Michigan. She taught at several colleges before becoming director of contemporary dance at the Instituto Superior de Danza in Caracas, Venezuela, and then of the Plaza de la Raza School of Performing and Visual Arts in East Los Angeles. For six years she served as executive director of the arts for the city of Pasadena, prior to joining Caltech in 1997.

Barba was nominated "on behalf of the entire IPAC staff" by colleague Kathy Golden, who described her rise from secretary to her current position as supervisor, her service-oriented approach to her work, and her completion of a bachelor's degree while working full-time and raising a family. "Mary Ellen is exceptionally approachable and is always available to assist in whatever capacity is required. She projects a positive attitude, a can-do approach, and shows a genuine sense of caring. If there ever was a role model, Mary Ellen is it. She is highly regarded by everyone at IPAC . . . Caltech is fortunate to have such a person among their staff."

Cummings began at the Institute in 1971 and has served in the dean's office for 15 years. She was nominated by her husband, Alan Cummings, a member of the professional staff in physics, who described her dedication to students and colleagues, her designation as an honorary alum by the Alumni Association, and her involvement in numerous campus committees. "Suzette is a stellar employee who is also a valuable resource for many people on campus. She is knowledgeable, helpful, and courteous to all . . . Suzette gives excellent service to the Institute, is creative, has had fine career growth, acts as a mentor to students, and is a leader in the Caltech community."

Nelson Nash will receive her award at the 22nd annual Medal of Excellence luncheon on October 24 at the Doubletree Hotel. She, Barba, and Cummings will also be honored at a campus reception, to take place in the Avery dining hall and courtyard.

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Family Night, from page 1

Free stickers for admission to the movie will be distributed at the entrance to Beckman Auditorium on a first-come, first-served basis. Food will not be allowed inside the auditorium.

This event is sponsored by Human Resources, CABS, the Caltech Bookstore, Physical Plant, Public Events, Dining Services, JPL's Child Educational Center, the Children's Center, and the Caltech Y.

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Dabney photos needed

Renovations will soon begin on Dabney Hall, with the goal of restoring the Reading Room to its original condition. If you have photos showing the original interior (pre-1960), we could use them to aid in the restoration. All photos will be safely returned. Please send photos to Judy Post, Caltech 104-31, Pasadena, CA 91125, or contact her at ext. 6339 or jrpost@caltech.edu.

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