

Random Walk

Honors and Awards

Tom Ahrens, professor of geophysics, became the 64th member of the current Caltech faculty to be elected to the National Academy of Sciences.

Elected fellows of the American Association for the Advancement of Science this spring were: Clarence Allen, professor of geology and geophysics, emeritus; Sunney Chan, the Hoag Professor of Biophysical Chemistry; Donald Cohen, professor of applied mathematics; David Goodstein, vice provost and professor of physics and applied physics; Richard Marsh, senior research associate in chemistry, emeritus; and Paul Patterson, professor of biology.

Four members of the Caltech faculty were elected fellows of the American Academy of Arts and Sciences: Michael Aschbacher, professor of mathematics; Marshall Cohen, professor of astronomy; and Richard McKelvey and Peter Ordeshook, both professors of political science.

Jay Bailey, the Chevron Professor of Chemical Engineering, has been named to the College of Fellows of the American Institute of Medical and Biological Engineering.

Seymour Benzer, the Boswell Professor of Neuroscience, Emeritus, is a corecipient of the fifth annual Bristol-Myers Squibb Award for Distinguished Achievement in Neuroscience Research.

This year's ASCIT teaching awards were presented in June to: Bill Bing, director of instrumental music; Delores Bing, director of chamber music;

Barbara Imperiali, assistant professor of chemistry; John Sutherland, professor of literature; Wen-Ching Wang, graduate student in biology and chemistry; Greg Willette, graduate student in applied physics; and Richard Wilson, professor of mathematics.

Christopher Brennen, professor of mechanical engineering has been selected by the American Society of Mechanical Engineering (ASME) as this year's recipient of the Fluids Engineering Award.

Three faculty members, all alumni of the University of Chicago, received honorary Doctor of Science degrees from their alma mater at its spring convocation: Norman Davidson, the Chandler Professor of Chemical Biology, Emeritus; Edward Stone, professor of physics, vice president, and director of JPL; and G. J. Wasserburg, the MacArthur Professor of Geology and Geophysics.

John Doyle, professor of electrical engineering, has been awarded the R. G. Baker Prize (shared with three coauthors) from the Institute of Electrical and Electronics Engineers, Inc., for the most outstanding paper of the past year.

Thomas Everhart, Caltech president, has been named a recipient of the 1992 Clark Kerr Medal, presented by the Faculty Awards Committee and the Chancellor's Office of the University of California for "an extraordinary and distinguished contribution to the advancement of higher education."

Sloan Research Fellowships for 1992 have been awarded to Gian Graf, assistant professor of mathematics, and Peter Weichman, assistant professor of theoretical physics. They will each receive \$30,000 over two years in

unrestricted funds for their research.

John Grunsfeld, senior research fellow in physics, was selected by NASA as one of 19 new astronaut candidates for the space shuttle program.

Paul Jennings, provost and professor of civil engineering and applied mechanics, was named the recipient of the 1992 Nathan M. Newmark Medal, jointly awarded by the Engineering Mechanics and the Structural divisions of the American Society of Civil Engineers.

Mary Kennedy, professor of biology, has received an NIH Javits Neuroscience Investigator Award, a \$1.5 million grant in direct costs over a seven-year period.

Shrinivas Kulkarni, professor of astronomy, has won the NSF's Alan T. Waterman Award, given annually to an outstanding young researcher. He will receive up to \$500,000 of research support over three years.

Three awards of \$1,000 each were presented by the Division of Biology and Lawrence and Audrey Ferguson to honor excellence in teaching. Recipients were: Gilles Laurent, assistant professor of biology and computational and neural systems; Jean-Paul Revel, the Albert Billings Ruddock Professor of Biology; and graduate student Mark Running.

Ruben Mettler, chairman of the Board of Trustees, is the recipient of the 1992 Arthur M. Bueche Award, presented by the National Academy of Engineering to honor "statesmanship in the field of technology."

Amnon Yariv, the Myers Professor of Electrical Engineering and professor of applied physics, has been chosen to receive the 1992 \$35,000 Harvey Prize in the field of technology from Technion, Israel's technology institute.

"Sustainable World" Issue Gets Around

E&S has made Bob Sipchen's weekly column on magazines in the *Los Angeles Times* again. The first time was the Winter 1990 special issue on the Loma Prieta earthquake; this time was the Spring 1992 special issue on the "Visions of a Sustainable World" symposium. Under "Required Reading" (along with family values in *TV Guide* and killing coyotes in *Outside*), Sipchen chose to pick up on John Hopfield's prediction that computers will be smarter than humans in 25 years, and states: "This magazine naturally tends to equate a self-sufficient planet with technological advance." We're not at all sure that's true. But perhaps we should be happy with just getting noticed.

The "Visions" issue was also noticed (even if only a little bit, with all the competition in reading material) at the Earth Summit in Rio de Janeiro in June. Grad students Mitra Hartmann and Sakae Suzuki, who were attending the summit from Caltech, persuaded 15 fellow passengers, good sports all, on the Pasadena contingent's chartered plane to each lug a 50-pound box of magazines along as personal luggage through Brazilian customs. Hartmann and Suzuki distributed 1,500 copies of the magazine at the summit, mostly through Russ Mittermeier's Conservation International booth, and report that it was particularly popular with delegates to the science sessions, some of whom may have actually read it.

Random Walk continued



The Braun Athletic Center's spacious, two-story lobby with its comfortable seats, landscaped planters, and handy snack machines—stocked with healthy foods, of course—is designed to be a place to hang out and socialize after exercise. The weight room is visible through the windows in the background.

New Athletic Center to Open in October

The Braun Athletic Center will be dedicated at noon on Friday, October 9. In addition to a full-sized gym for basketball and volleyball, the new facility houses two indoor squash courts, four racquetball courts, a 3,000-square-foot dance/aerobics room, and a 5,000-square-foot weight room and fitness center with state-of-the-art weight machines, exercycles, stair climbers, and so on that will out-health-club the health clubs. There's also a training room for sports medicine as well as new offices for the athletic staff. Most important, perhaps, are the 152 new men's lockers (an 18 percent increase) and 104 new women's lockers (a 25 percent increase). The building—triple the size of the old gym—will allow Caltech's athletic office to provide a much broader range of undergraduate phys-ed courses and will accommodate the ever-expanding demand by students, faculty, and staff for after-hours recreation, from pumping some solitary iron to the Graduate Student Council's basketball league. Construction was funded by a gift from the Carl F Braun Trust.

Watson Lectures Set

The Earnest C. Watson Lecture Series for this autumn includes: *October 21*: Space Technology and the Discovery of

the Lost City of Ubar—Ronald Blom, geologist, Earth and Space Sciences Division, JPL; *November 4*: Magnetite Biomineralization in the Human Brain: What Does It Mean?—Joseph Kirschvink, associate professor of geobiology; *December 3*: Competitive Engineering Design—Eric Antonsson, associate professor of mechanical engineering; *January 6, 1993*: Science at the Super-collider—Barry Barish, Linde Professor of Physics and spokesman, GEM Detector, SSC; *January 20*: What To Do When the Sky Glows in the Dark? The Infrared Astronomical Satellite (IRAS) Ten Years Later—Charles Beichman, director of the Infrared Processing and Analysis Center. All lectures are at 8:00 p.m. in the Beckman Auditorium. Admission is free. Please note that Antonsson's lecture is on Thursday instead of the traditional Wednesday.

Ledyard Appointed Division Chairman

Professor of Economics and Social Sciences John Ledyard has been appointed chairman of the Division of Humanities and Social Sciences. Ledyard first came to Caltech as a Sherman Fairchild Distinguished Scholar in 1977, visited again in 1983, and came to stay in 1985. He earned his AB from Wabash College (1963) and MS (1965) and PhD (1967) from Purdue. Ledyard's research has involved the allocation of resources in organizations, one recent study focusing on NASA's assignment of payload berths on the space shuttle (*E&S*, Fall 1989).