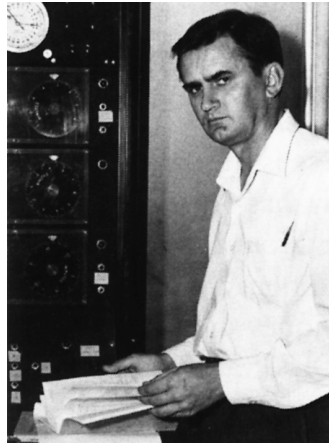


**GORDON J. STANLEY
1921 – 2001**


Gordon J. Stanley, one of the founders of Caltech's radio astronomy program and former director of the Owens Valley Radio Observatory, died December 17 in Monterey, California.

A native New Zealander, Stanley earned his diploma in 1946 at the New South Wales University of Technology in Sydney, Australia, and then joined the Commonwealth Scientific and Industrial Research Organization (CSIRO) as senior technical officer in the radiophysics laboratory. The CSIRO at the time was one of the three most important radio astronomy laboratories in the world. In 1949, Stanley and his colleague John Bolton made the first three optical identifications of discrete radio sources: two galaxies, M 87 and NGC 5128, and a galactic supernova remnant in the Crab Nebula. Work was then just beginning on matching up the thousands of radio sources in the sky with stars or galaxies.

When Caltech president Lee DuBridge and Jesse Greenstein, professor of astrophysics and founder of Caltech's astronomy department, began lobbying in the early '50s to establish a radio astronomy group, their attention was quickly attracted to what was going on in Australia. By 1955 they had imported both Bolton and Stanley to Pasadena. It was

Stanley who selected the remote site 250 miles north of Pasadena near Big Pine that was to become the Owens Valley Radio Observatory (OVRO), and Stanley and Bolton began construction on the first two 90-foot dishes, which were dedicated in 1958. Stanley also published a number of papers on radio observations of Jupiter. When Bolton returned to Australia in 1960, Stanley became first acting director and then director of OVRO, a post he held until 1975.

Stanley played a major role in a proposal to build an interferometer array consisting of eight radio antennas, each 130 feet in diameter, at Owens Valley. The array would have been the largest radio observatory in the world, covering an area two miles by three miles. Funded by the National Science Foundation, the first antenna was dedicated in 1968, but has remained the only dish, after the Caltech project lost out to the national Very Large Array in New Mexico in a competition for funding.

During his tenure as director, he supervised the reconstruction of the original 90-foot dishes, improving their wavelength coverage by a factor of 10.

Later in his career, after leaving OVRO, Stanley focused on other applications of interferometers, including the development of an inno-

vative device to measure sea-ice temperature and another that measured the temperature of the upper atmosphere.

Stanley returned to OVRO for its 40th anniversary celebration in October 1998. He recalled the observatory's early days and concluded his talk with a stanza from one of his favorite Australian bush poets, Banjo Paterson:

"And the bush hath friends to meet him
and their kindly voices greet him
In the murmur of the breezes and the
river on its bars,
And he sees the vision splendid of the
sunlit plains extended,
And at night the wondrous glory of the
everlasting stars."

His family also included the stanza in their obituary. Stanley is survived by his wife, Helen; three children: Teresa Stanley, Luise Phelps, and Stephen Stanley; and three grandchildren. □

HONORS AND AWARDS

Tom Apostol, professor of mathematics, emeritus, is being honored for his distinguished career by the Friends of Hellenic Studies and the Basil P. Caloyeras Center for Modern Greek Studies. He was feted on November 3 on the campus of Loyola Marymount University.

Philip Hoffman, professor of history and social science, has been selected along with coauthors Gilles Postel-Vinay and Jean-Laurent Rosenthal to receive the Economic History Association's Gyorgy Ranki Prize, which recognizes "the outstanding book on the economic history of Europe, published in 1999 and 2000." The award is for their book *Priceless Markets: The Political Economy of Credit in Paris, 1660–1870*. Postel-Vinay has been a visiting professor of history at Caltech, and Rosenthal received his PhD in social science from the Institute in 1988.

Matthew Jackson, professor of economics, is the first winner of the Social Choice and Welfare Prize, to be awarded by the Society for Social Choice and Welfare at its sixth annual international meeting, to be held at Caltech in July 2002. The prize is given "to honor young scholars of excellent accomplishment in the area of social choice theory and welfare economics."

Wolfgang Knauss, the von



At the January annual meeting of the American Astronomical Society, Wallace Sargent, the Bowen Professor of Astronomy, received a certificate for the Henry Norris Russell Lectureship, the AAS's highest honor, which recognizes "a lifetime of eminence in astronomical research." Presenting the award was the president of the AAS, Anneila Sargent, professor of astronomy and director of the Owens Valley Radio Observatory and the Interferometry Science Center. (Photo by Richard Dreiser, © 2002, American Astronomical Society.)

Kármán Professor of Aeronautics and Applied Mechanics, has been selected by ASME International (The American Society of Mechanical Engineers) to receive its Warner T. Koiter Medal, to be presented during ASME's 2001 International Mechanical Engineering Congress and Exposition, November 11–16 in New York City. The award "recognizes the effective blending of theory and application of applied mechanics, and leadership in the international solid mechanics community."

Dan Kevles, the Koepfli Professor of the Humanities, Emeritus, was awarded the George Sarton Medal by the History of Science Society at its annual meeting in Denver, on November 10. The medal is the society's highest award and honors George Sarton, the founder of *Isis*, the leading journal of the history of science. "The award recognizes distinction in scholarship, impact through writing and leadership in the profession. It has been awarded annually since 1955 to an outstanding historian of science selected from the international scholarly community."

Andrew Lange, the Goldberger Professor of Physics, has been elected a fellow of the American Physical

Society "for developing a new generation of bolometers that operate in the submillimeter and employing them to determine the geometry of the universe."

Anneila Sargent, professor of astronomy and director of the Owens Valley Radio Observatory and the Interferometry Science Center, has been selected to give the Selove Lecture at the University of Pennsylvania during the spring 2002 semester. A colloquium comprising two talks—one suitable for the entire department at a level grad students can appreciate, the second for specialists in the speaker's field—the Selove Lecture was established by Fay Ajzenberg-Selove to honor her husband, Walter.

John Schwarz, the Brown Professor of Theoretical Physics, has been selected to receive the 2002 Dannie Heineman Prize for Mathematical Physics, which he will share with Dr. Michael Green of Cambridge University. The citation will read, "For your pioneering work in the development of superstring theory," and the prize will be awarded at the American Physical Society's April 2002 meeting, to be held in Albuquerque, New Mexico.

Kip Thorne, the Feynman

Professor of Theoretical Physics, received an honorary doctor of science in November from the University of Glasgow on the occasion of that school's 11th (550-year) jubilee. He also has been honored with several lectureships: the Arthur Holly Compton Memorial Lecture, Washington University in St. Louis, in February 2001; the Inaugural Herzberg Memorial Lecture, Canadian Association of Physicists, in June 2001; and the George Darwin Lecture, Royal Astronomical Society, in December 2000.

Alexander Varshavsky, the Smits Professor of Cell Biology, has received the 2001 Louisa Gross Horwitz Prize for "breakthrough work on the ubiquitin system, the mechanism by which the cell maintains a proper and healthy balance of proteins." He shares the award with Avram Hershko, Distinguished Professor at the Technion—Israel Institute of Technology. Columbia University bestowed the awards December 11 at a ceremony and black-tie reception at the Low Library Rotunda on Columbia's Morningside campus.

Peter Wyllie, professor of geology, emeritus, has been awarded the Leopold von Buch Medal "in recognition of his scientific research on the petrology of crystalline rocks, and also for his service in publicizing the importance of geosciences for society." Wyllie received the medal, which is accompanied by honorary membership in the German Geological Society, at a ceremony on October 4, during the society's annual meeting in Kiel, Germany. □