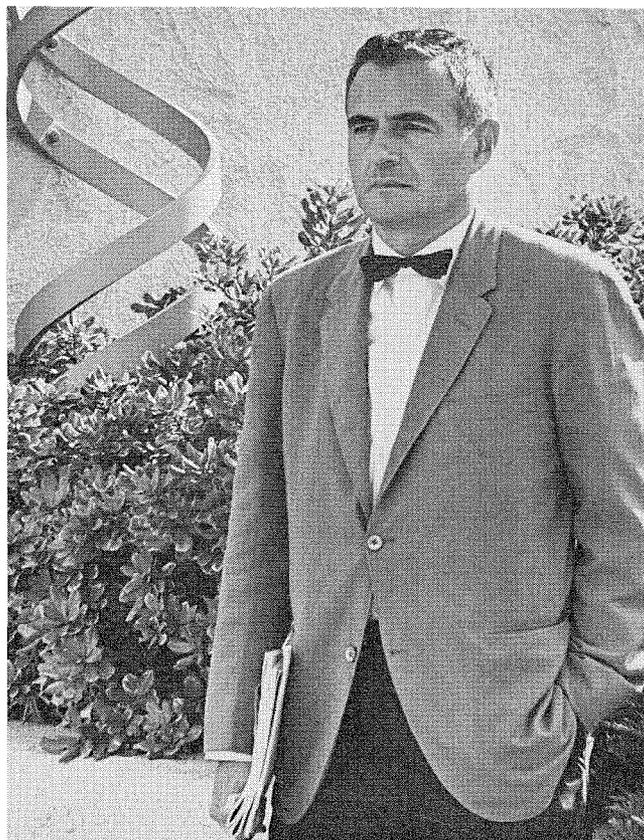


*Guido Münch*



*Robert L. Sinsheimer*

## THE MONTH AT CALTECH

### THE NATIONAL ACADEMIES

Two Caltech faculty members have been elected to the National Academy of Sciences and two to the National Academy of Engineering: Guido Münch, professor of astronomy and staff member of the Mount Wilson and Palomar Observatories, and Robert L. Sinsheimer, professor of biophysics—to the Academy of Sciences; Arnold O. Beckman, chairman of the board of trustees, and Frederick C. Lindvall, chairman of the division of engineering and applied science—to the Academy of Engineering. Their election brings Caltech's total membership in the Academy of Sciences to 32 and in the Academy of Engineering to 7.

Dr. Münch has made important contributions to research on the atmospheres of stars and planets. He has done work on the structure of galaxies, on interstellar matter and gaseous nebulae, and on the mechanism of helium production in stars. A native of Mexico, he received his BS and MA degrees from the Universidad Nacional Autonoma de Mexico, his PhD from the University of Chicago, and his U.S. citizenship in 1947. He has been at Caltech since 1951.

Dr. Sinsheimer is noted for his work in genetics. He discovered the first organism known to have single-stranded DNA and the ring-shaped structure of the virus  $\phi$ X174. He has also made significant con-

tributions in the field of chemical analysis of genetic material by the determination of nucleotide sequence. Dr. Sinsheimer has three degrees from MIT. He came to Caltech in 1953.

Dr. Beckman, who is founder and chief executive officer of Beckman Instruments, Inc., has been a member of Caltech's board of trustees since 1953. He received his PhD from the Institute in 1928, served as research assistant from 1926 to 1929, and as assistant professor from 1929 to 1940. Dr. Beckman was cited by the Academy for his invention and development of precision instruments.

Dr. Lindvall, who also received his PhD from Caltech in 1928, joined the faculty here in 1930. He was honored by the Academy for his contribution to the research and development of equipment for transportation and underwater ordnance.

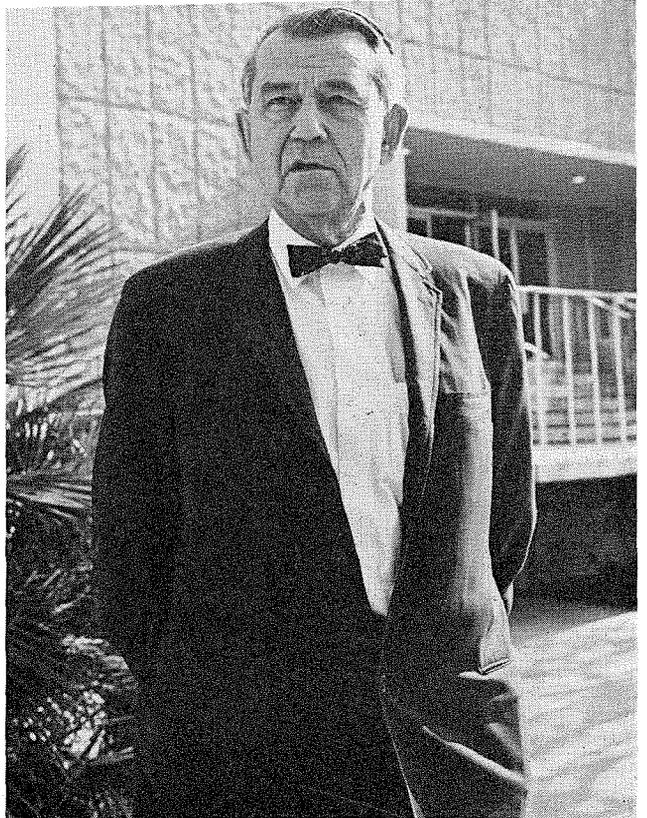
### HONORS AND AWARDS

Rodman W. Paul, Caltech professor of history, and Kip S. Thorne, research fellow in physics, have been named winners of Guggenheim fellowships for 1967. The fellowships are awarded annually for scholarly and scientific research and for outstanding creative ability in the fine arts.

Dr. Paul plans to complete a book on the history of the Far West and Great Plains from the Civil War to World War I and to do research in the Western Americana collections at Yale and Harvard li-



*Arnold O. Beckman*



*Frederick C. Lindvall*

braries and the Huntington Library in San Marino.

Dr. Thorne will spend the summer at the Institut d'Astrophysique in Paris doing research in relative astrophysics. He will return to Caltech in the fall to teach and continue his research.

Two Caltech professors are recipients of Alfred P. Sloan Foundation fellowships for 1967-68. John N. Bahcall, assistant professor of astrophysics, and William A. Goddard III, Arthur Amos Noyes research instructor in chemistry, are among 92 physical scientists to receive the two-year fellowships. The Sloan Foundation program for basic research in the physical sciences was established in 1955 to give young men on university faculties the "opportunity to make full use of their research potential."

Three Caltech scientists were awarded honorary degrees by the University of Chicago at its 75th Anniversary Convocation May 5. Max Delbrück, professor of biology; Murray Gell-Mann, professor of theoretical physics; and Allan R. Sandage, staff member of the Mount Wilson and Palomar Observatories, were among 25 recipients from seven countries who were honored for scholarly achievement.

Dan H. Campbell, Caltech professor of chemistry, has been awarded the Distinguished Service Award of the American Academy of Allergy. Dr. Camp-

bell, a member of the Academy for 20 years, was cited for his contributions as a teacher, an organizer, and as an inspiration to other members of the Academy.

#### BEST RADIO SERIES

The Caltech-sponsored radio series "About Science" is one of two winners of the 1967 Major Armstrong Award for the best radio programming on commercial or noncommercial FM stations. The program, which has been on the air since March 9, 1966, is designed to provide current scientific information in a manner easily understood by the general public. It is broadcast by 103 stations throughout the country each week.

#### CALTECH AT CAMBRIDGE

William A. Fowler, Caltech professor of physics, arrives this month at the Institute of Theoretical Astronomy at Cambridge, England, where he will spend the summer working with Fred Hoyle, director of the Institute, Cambridge professor, and visiting associate in physics at Caltech. They will be joined by Caltech colleagues Donald D. Clayton, visiting associate in physics, and Robert V. Wagner, research fellow in physics. The visiting researchers are among the first to study at the new Institute, and will be involved in astrophysics research dealing with the origin of the elements.