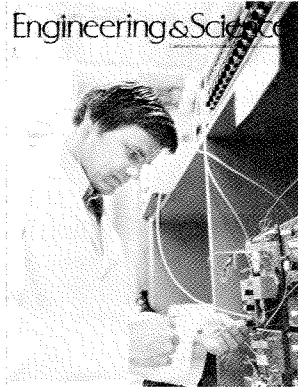


In This Issue

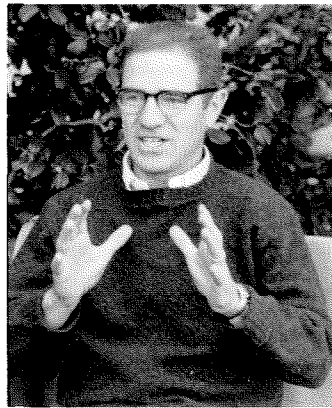


Cell Mate

On the cover — Leroy Hood is a young man with a long title and a big job at Caltech. He is Ethel Wilson Bowles and Robert Bowles Professor of Biology. He is also head of the Institute's cancer research program, which will increase considerably in size and scope with the completion in 1980 of the Braun Laboratories of Cell Biology and Chemistry. The staff housed in this new building — expected to total about 100 — will form the nucleus of Caltech's medical science program, the focus of which will be in immunology.

A native of Montana, Hood received a BS from Caltech in 1960. After earning his first doctoral degree — an MD — from The Johns Hopkins School of Medicine in 1964, he returned to Caltech, where he took his PhD in 1968. He served as a senior investigator at the National Cancer Institute in Bethesda, Maryland, from 1967 to 1970 and then joined the Caltech faculty.

On December 6, Hood gave the Watson Lecture at Beckman Auditorium. "Immunity, Disease, and Cancer" on page 6 is adapted from that talk.



George Seielstad: A Broader View

The speaker for the Watson Lecture on November 8 was introduced by his colleague, Glenn Berge, a staff member of the Owens Valley Radio Observatory, who said in part: "George Seielstad came to Caltech almost 20 years ago as a graduate student, after finishing his undergraduate work at Dartmouth. He received his PhD in 1963 for work in radio astronomy, and after spending a year at the University of Alaska, he returned to Caltech. Now he is a research associate and lives with his family in Bishop, California, just a few miles from the Owens Valley Radio Observatory where he has his office.

"George has a number of interests outside radio astronomy — politics, for example. Four years ago he ran for the office of Representative from the 18th Congressional District, and he came close to upsetting the deeply entrenched incumbent. This talk represents another interest — that of examining some of the basic issues facing mankind from the perspective of an astronomer using the tools of scientific inquiry."

"From the Outside In" on page 21 is adapted from that talk.



Tourist Trade

For the group of Caltech trustees, administrators, and faculty who visited the People's Republic of China last fall, the very fact of receiving an invitation was somewhat surprising. After all, China has been essentially off-limits to American citizens for approximately 30 years. Now that may change. With the recent official recognition of China by the United States, not only diplomatic but social relations are likely to take a considerable upswing. In fact, the Caltech group may turn out to have been only in the vanguard of a wave of American tourists.

Whether or not other Americans start taking slow boats or fast airplanes to China, the ten men from Caltech had a fascinating experience there. In the November-December issue of *E&S*, Rodman Paul, Harkness Professor of History, reported on the first ten days of the trip. Part 2 of "Caltech Goes to China: Entries from a Diary" on page 13 completes the saga, which is illustrated by photographs taken by one of the travelers — Arnold O. Beckman, chairman emeritus of Caltech's board of trustees, whose picture above was taken at the Great Wall of China.

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