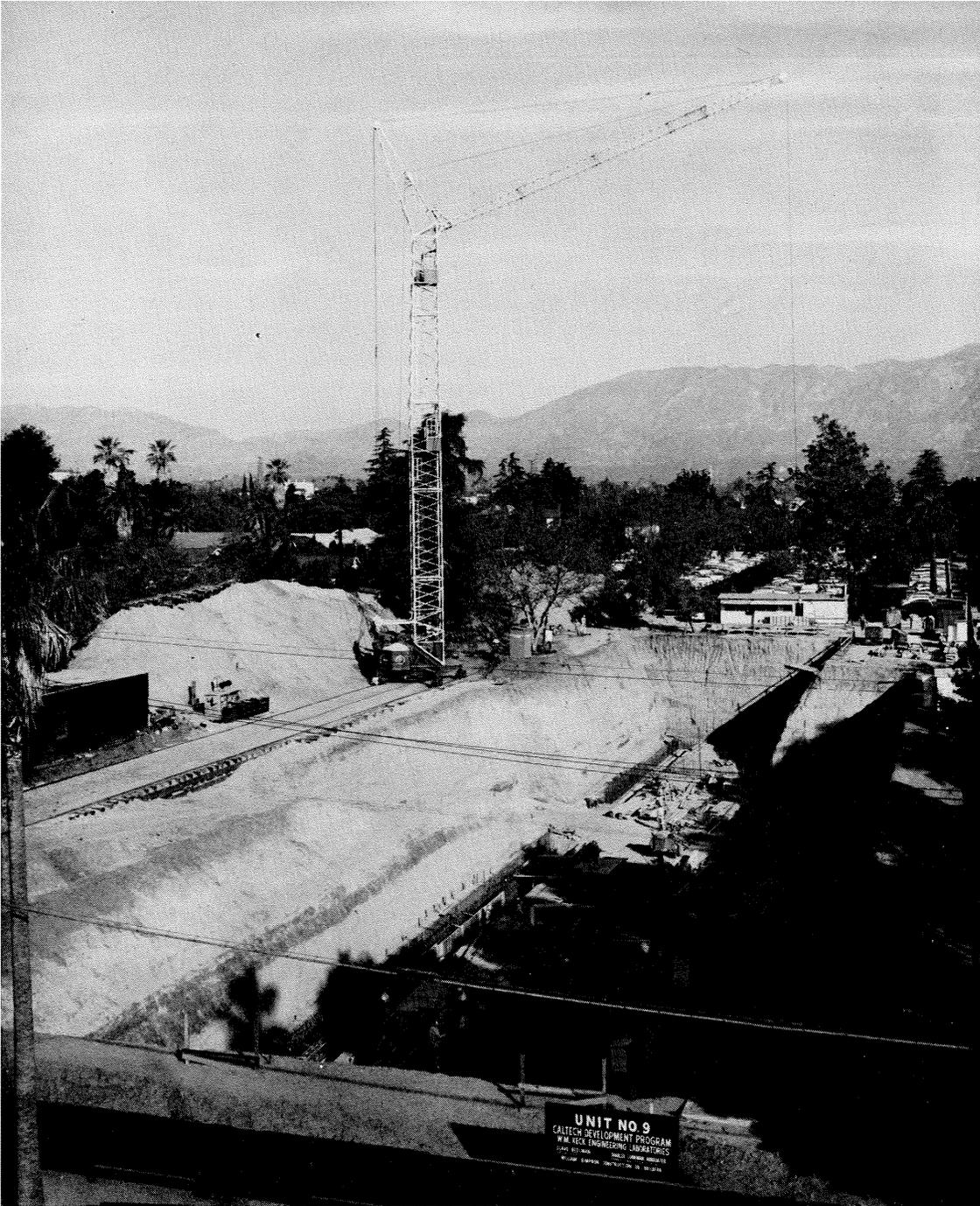


Newest addition to the campus — a 120-foot crane to speed construction on the Keck Engineering Laboratories.



The Month at Caltech

Star Attraction

Sidewalk superintendents have been overdoing ever since the huge crane shown above went to work on campus construction last month. Known as a Beatty-Peco Slewing Tower Crane, the machine was developed in West Germany with Lend-Lease funds, and was uncrated and put together here for its first job—helping to build Caltech's new Keck Engineering Laboratories.

With a reach of a quarter of a city block, the crane can lift 8,380 pounds at a 75-degree angle, and is extremely fast at lifting and pouring cement. As construction progresses on the new Keck Laboratories, one of the crane's most important jobs will be to haul materials over the building and lower them into a five-floor elevator shaft.

Of course the crane has been a special delight — and a special challenge — to the Caltech undergraduates. (It was not too many years ago, after all, that the students met the challenge of an Air Force jet-fighter display on campus by spiriting the plane away in the dead of night, and delivering it to the Altadena home of the commanding officer of the Caltech AFROTC). So it was not too much of a surprise to the construction crew on the Keck job when they came to work one morning and found a sign hanging from the top of the crane, wishing them a cheery GOOD MORNING.

Ford Foundation Grant

Caltech has received a \$120,000 grant from the Ford Foundation for research in atmospheric science and oceanography. The Institute is one of nine colleges and universities which have received total grants of \$1,179,500, primarily for graduate fellowships in various fields of science and engineering. The grants are designed to recruit undergraduate majors in science and mathematics and to expand opportunities for work to and beyond the PhD level.

Carnegie Grant

Caltech has received a grant of \$330,000 from the Carnegie Corporation of New York which will permit the extension of scholarship and research in humanistic and social science fields next year. The new program, planned for graduate students, will encompass studies in the philosophy and history of science, those social sciences most closely allied to the work already underway at Caltech, and the impact of science on public affairs.

The new program will begin during the 1960-61 academic year, when outstanding scholars in the humanities and social sciences will be invited to the Institute. Some will be appointed to the faculty, and others will give lectures or take part in forums.

Robert A. Knapp Award

The hydraulic division of the American Society of Mechanical Engineers has established a Robert T. Knapp award in honor of the Caltech professor of hydraulic engineering who died in 1957. Dr. Knapp, who came to Caltech as an instructor in 1922, was widely known for his work in hydrodynamics, and Caltech's Hydrodynamics Laboratory was his concept.

"Dr. Knapp's activities as a teacher, research worker, and Society member gained him the lasting respect and admiration of all his many associates and friends," said the executive committee of the ASME hydraulic division, in setting up the award. "Since a major area of Dr. Knapp's professional activity was devoted to fluid mechanics research, we have elected to award

a certificate annually to the author of an outstanding ASME paper in this field. Our aim is to encourage in others the enthusiasm for research and the high standards of technical excellence exemplified by Dr. Knapp."

John A. Anderson

John A. Anderson, retired executive officer of Caltech's Observatory Council, died at his home in Altadena on December 3. He was 83. Dr. Anderson, an authority on optics, spectroscopy, and seismology, helped supervise construction of the 200-inch Hale telescope at Palomar Observatory. He was an expert on solar observation and participated in solar eclipse expeditions in 1905, 1918, and 1923.

A native of Rollag, Minnesota, Dr. Anderson was a graduate of Valparaiso College in Indiana in 1900, and received his PhD from Johns Hopkins University in 1907. He served as associate professor of astronomy at Johns Hopkins until 1916, when he joined the staff of the Mt. Wilson Observatory. He served as executive officer of the Caltech Observatory Council from 1928 to 1948.

Honors and Awards

Charles E. Crede, associate professor of mechanical engineering at Caltech, has been awarded the American Society of Mechanical Engineers' first medal for eminent achievement in machine design. He received the award for his "inspired leadership in the field of shock and vibrations . . . the research, development and application of shock mounts have advanced the field of machine design." The medal was presented at the annual meeting of the ASME in Atlantic City on December 2.

L. Winchester Jones, dean of admissions at Caltech, has been elected a trustee of the College Entrance Examination Board. He is one of eight educators elected this year to the board of trustees, which has 25 members. His term extends to 1962. The College Board, whose membership numbers almost 300 colleges and universities, gives about 600,000 examinations and tests annually. Dean Jones is also scholarship director and associate professor of English at Caltech.

Frank Press, professor of geophysics and director of Caltech's Seismological Laboratory, has been nominated by the Pasadena Junior Chamber of Commerce for the annual "Five Outstanding Young Men of the Year Award of California."

Bruce H. Sage, Caltech professor of chemical engineering, received the William H. Walker award, a certificate and plaque for "excellence of contributions to chemical engineering literature" on December 8 at the award banquet of the American Institute of Chemical Engineers in San Francisco.