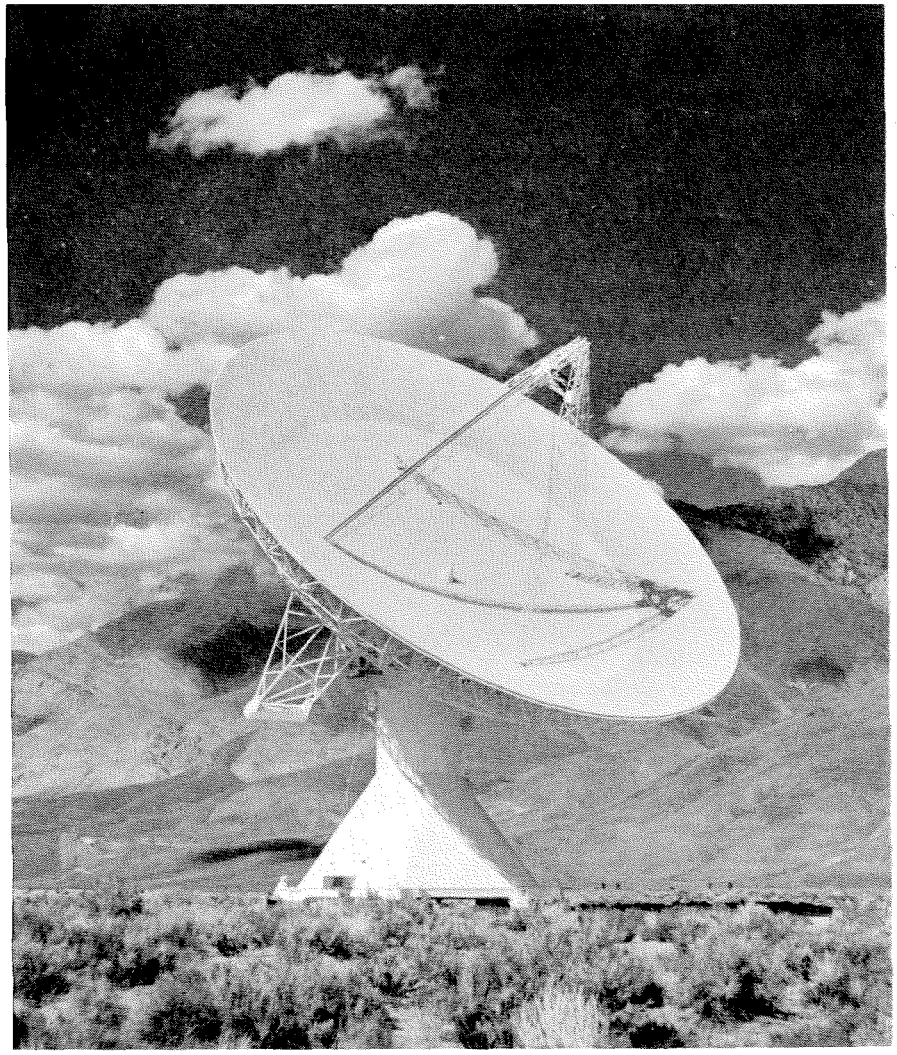

The 130-foot radio telescope, which is to be dedicated on October 18, is the third dish to go into operation at Caltech's Owens Valley Radio Observatory.

THE MONTH AT CALTECH

DEDICATION OF A DISH

A new 130-foot radio telescope is now in operation at Caltech's Owens Valley Radio Observatory. The giant parabolic dish antenna will be officially dedicated on October 18, with Robert Fleischer, head of the National Science Foundation's astronomy section, taking part in the ceremonies along with Caltech's president, Lee A. DuBridge, and observatory director Gordon Stanley.

The 130-foot instrument is the first of eight proposed units which will eventually be linked electronically to act as one powerful interferometer for use in making studies of radio sources in space. Meanwhile, the new dish will be operating in conjunction with the observatory's two existing 90-foot radio telescopes, which have been in use since 1958.

THE ACADEMY ON CAMPUS

The National Academy of Sciences holds its annual fall meeting on the Caltech campus October 27-30. The three-day program will include a symposium each morning in Beckman Auditorium—Monday, on computer-assisted learning; Tuesday, on problems of the earth's interior; Wednesday, on the chemistry of enzyme action. Thirty-eight papers will be presented at two afternoon scientific sessions held concurrently in Noyes Laboratory on Monday and Tuesday.

Caltech faculty members speaking at the Tuesday symposium include Don Anderson, director of the Seismological Laboratory, and Stewart W. Smith, associate professor of geophysics; on Wednesday, Richard E. Dickerson, professor of physical chemistry.

ENGINEERING CHAIRMAN

Francis H. Clauser, vice chancellor of science and engineering at the University of California at Santa Cruz and a Caltech alumnus, has been named chairman of the Institute's division of engineering and applied science, effective in July 1969. Frederick Lindvall, who has headed the division since 1945, will retire from his chairmanship in June but will continue on the faculty as professor of electrical and mechanical engineering.

Dr. Clauser received three degrees from Caltech, his BS in 1934, MS in 1935, and his PhD in 1937. For the next nine years he was director of aerodynamic research and design research at the Douglas Aircraft Company in Santa Monica. In 1946 he went to Johns Hopkins University in Baltimore, where he

founded the department of aeronautics and was its head for nine years. In 1965 he became academic vice chancellor of the University of California at Santa Cruz, and two years later was made vice chancellor of science and engineering.

At Caltech's 75th anniversary celebration in 1966 Dr. Clauser was one of 23 men who received the first alumni distinguished service awards ever to be given by the Institute.

Francis H. Clauser

TRUSTEES

Deane F. Johnson, Los Angeles attorney, has recently been elected to the Caltech board of trustees. Mr. Johnson is a senior member in O'Melveny & Myers of Los Angeles (whose president, John O'Melveny, has been a Caltech trustee since 1940). He will attend his first board meeting at the annual national trustees meeting November 1-3, just one week before his scheduled wedding to Mrs. Anne McDonnell Ford.

Chester F. Carlson, Caltech alumnus (1930) and a member of the Institute board of trustees since 1966, died on September 19 at the age of 62.

Mr. Carlson was the inventor of xerography, the electrostatic copying process marketed by the Xerox Corporation that has revolutionized office duplicating procedures.

Two honorary trustees of the California Institute of Technology—P. G. Winnett and Edward R. Valentine—died in July. Mr. Winnett was 87; Mr. Valentine was 60.

P. G. Winnett, co-founder of Bullock's stores, was donor of Caltech's Winnett Student Center. He had been a trustee of the Institute since 1939 and was made an honorary trustee in 1961.

Edward R. Valentine was president of the Robinson Building Co. and a director of the J. W. Robinson stores. He joined the Caltech trustees in 1948 and became an honorary member in 1965. He was also a member of the Associates of the Institute for many years.

A NEW TEAM AT CALTECH

Caltech is one of the few universities whose faculty still interviews most of the qualified applicants for undergraduate admission. Each spring 15 men talk to about 500 high school students across the country—the survivors of the 1,100 who went through the initial round of evaluation in the quest to enter Caltech.

This year, for the first time, 200 of the applicants were interviewed by a combined faculty-student team. Largely as an outgrowth of student requests in 1967 for more participation in Institute affairs, three seniors and one sophomore took part in the undergraduate admissions program.

Each team (one faculty member and one student) interviewed about 50 applicants in the southern California area, then met to make a first cut of those who should obviously be admitted or turned down. The student interviewers were included in deliberations up to the final infighting about the not-so-obvious cases and the scholarship discussions. As it turned out, students interviewed about 25 percent of the class of 1972.

Undergraduates are now apparently a permanent part of the admissions program. Student interviewers will hit the road once more

WELCOME *More than 200 new graduate students and their wives and faculty hosts braved the nippy autumn weather to dine by candlelight in Winnett courtyard on the evening of October 4. It was the Institute's official welcome to its new graduate students, replacing the traditional afternoon reception at the Athenaeum.*

next spring, although they'll be working only in nearby areas again because of the time and expense of travel to other regions.

The four faculty interviewers agreed that their student partners made the interview process more productive for everyone. Applicants got better answers to questions about student and academic life and, in turn, were subjected to the additional scrutiny of a contemporary.

The effects of any changes in procedure can't be discerned until a freshman class has been around Caltech for a while. But director of admissions Peter Miller can already point to at least one tangible result of this year's innovations: a freshman who wouldn't have been admitted at all if the faculty half of the interview team had seen him alone.

PLAYBOYS *Whatever public image Caltech undergraduates have, it is definitely not that of the playboy. This minor fact did not daunt* Playboy *magazine. With a carload of high-style clothes, they came to the Caltech campus last spring looking for the men to fit their wardrobe. The result—the remarkable transformation of five Caltech students into fashion models for the August* Playboy's *"Back to Campus" feature. Left to right: Joe Rhodes, Mark Radomski, Ric Lohman, Sam Keys, and Lane Mason.*

CALTECH'S KINETIC ARTIST

Frank J. Malina, who played an important role in early rocket research at Caltech, ("The Rocket Pioneers," *E&S*—February 1968) will present a special lecture and film, "Kinetics: Science vs. Art," at 7:30 p.m., October 25, in the Pasadena Art Museum.

Dr. Malina was co-founder of the Jet Propulsion Laboratory and Aerojet-General Corp. Following his success in the field of aeronautics, he proceeded to achieve international recognition in the field of kinetic art —a unique combination of art and science in which paintings are luminous and mobile and controlled by electricity. He has lived in Paris since 1953 and his paintings have been exhibited throughout Europe and the United States. He is currently editor of *Leonardo*, an international journal of the contemporary artist, which he founded.

Program intern Pat Davis

FIRST LADY

Pat Davis, a 23-year-old graduate of Immaculate Heart College, has become the first woman staff member of the Caltech YMCA. Pat, who has taught seventh grade and been a novice in the order of St. Joseph's, got acquainted with Caltech last year when she helped set up a series of weekend sensitivity programs between her I.H.C. classmates and Caltech undergraduates. In the summer she moved to the Caltech campus as a member of the ASCIT smog research project, and now has prolonged her stay—as a program intern for the Y.

Her addition to the Y staff promises an increase in the activity of college women in the Y program. One step in that direction has already been taken. Pat and five ASCIT-project coeds went to freshman camp this fall—the first women ever to take part in that formerly monastic operation.

PRIZE PUBLICATION

Engineering and Science magazine has been judged by the American Alumni Council to be one of the top ten alumni magazines in the council's 1968 competition.

The top magazine this year is from Yale University. Others in the unranked top ten with *E&S* are published by the University of California at Berkeley, UCLA, University of Chicago, Hofstra University, University of Oregon, Rhode Island School of Design, MIT, and Washington University. ■