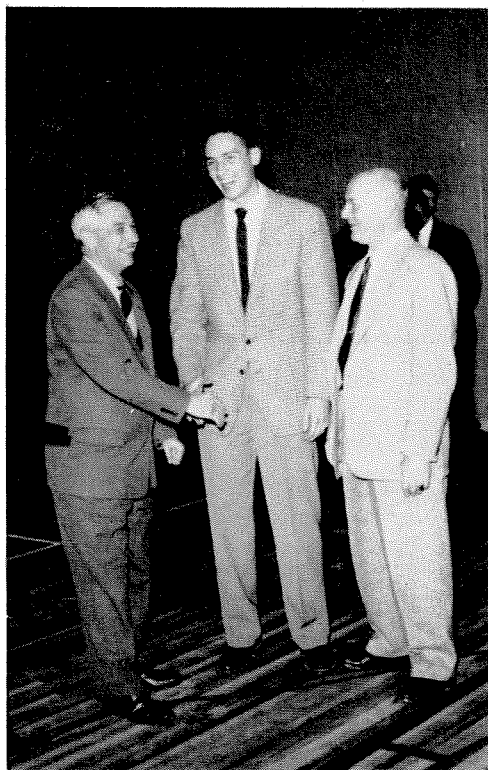


*Caltech's new \$400,000 Scott Brown Gymnasium*



## THE MONTH AT CALTECH

*President DuBridge presents new gym at dedication ceremony to ASCIT president James Adams, accepting on behalf of student body. Athletic director Hal Musselman is looking on.*



*Gym floor is large enough for two practice basketball games to be played simultaneously on its cross courts.*

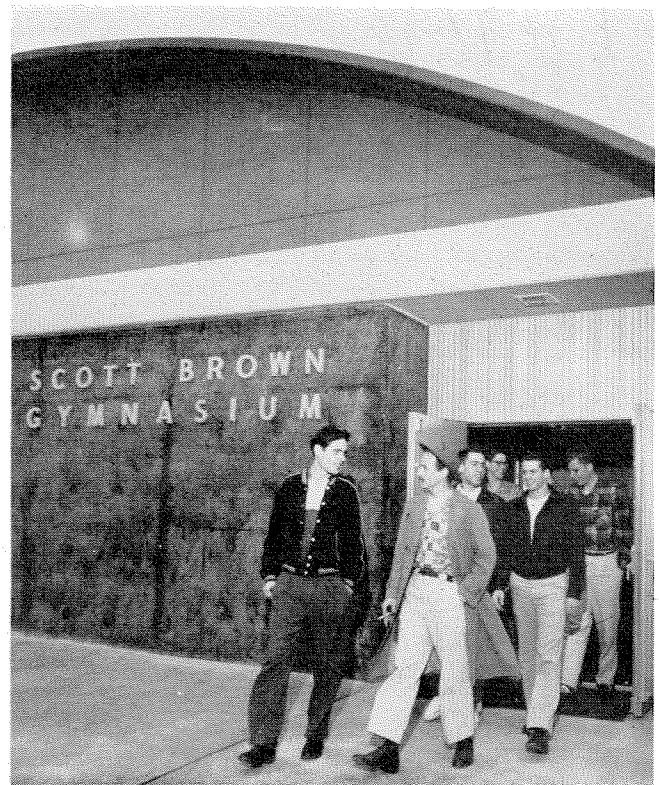
CALTECH'S IMPRESSIVE, and long-awaited, athletic center opened for business last month. The Scott Brown Gymnasium was dedicated on January 11, between the halves of Caltech's first home game of basketball, with Long Beach State. The Alumni Swimming Pool, which is also now in use, will be officially dedicated on Alumni Seminar Day, April 16.

The \$400,000 gymnasium, at the south end of the Tournament Park parking lot, looks like an airplane hangar, has a 94 x 114 ft. gym floor (large enough for two practice basketball games to be played simultaneously on its cross courts) with six 8-row sets of bleachers folded up against its north wall, and six more along the south wall; when these are pulled out they can seat close to 1,000 people.

The building also contains locker rooms, shower rooms, athletic offices, a medical room and a lecture classroom.

#### Reed Award

**D**R. CLARK B. MILLIKAN, Professor of Aeronautics and director of the Guggenheim Aeronautical Laboratory at Caltech, was chosen last month to receive the



1954 Sylvanus Albert Reed Award of the Institute of the Aeronautical Sciences. The award—consisting of a certificate and \$250—was given to Dr. Millikan “for his contributions to fluid mechanics, airplane aerodynamics, and wind tunnel technology, and for research leadership and guidance in aeronautical sciences.”

Dr. Millikan, who has been teaching at Caltech since 1928, has been in charge of wind tunnel testing here since 1935 and has been director of the Southern California Cooperative Wind Tunnel since it began operations in 1945. He is also chairman of the Jet Propulsion Laboratory Board.

Currently he is serving as chairman of the Aircraft and Guided Missiles Panel of the Air Force Scientific Advisory Board, and as a member of the Ballistic Research Laboratories' Scientific Advisory Committee. He is chairman of the Subcommittee on Fluid Mechanics and a member of the Committee on Aerodynamics of the National Advisory Committee for Aeronautics.

## Bruce Medal

THE ASTRONOMICAL SOCIETY of the Pacific has awarded Dr. Walter Baade its Catherine Wolf Bruce Gold Medal for 1955 for his investigations of the structural features and stellar content of systems of stars.

Dr. Baade, a staff member of the Mt. Wilson and Palomar Observatories, made the pioneering discovery that two entirely different stars exist in the great Andromeda nebula, in our galaxy, and in others. That led to his recalibration of the Cepheid variable stars, distance indicators in the Andromeda nebula and elsewhere, and the Baade correction in the cosmic distance scale. This work indicated that all objects beyond the Milky Way are about twice as far from us as had previously been thought.

A native of Schröttinghausen, Germany, Baade studied at the Universities of Münster and Göttingen—where he received his PhD degree in 1919. He served as an assistant and later as an observer at the Hamburg Observatory before joining the Mt. Wilson Observatory in 1931.

## New Trustee

SHANNON CRANDALL, Jr., of Pasadena was elected to the Caltech Board of Trustees last month.

President of the California Hardware Company of Los Angeles, Mr. Crandall has been associated with that company since his graduation from Stanford University in 1924.

Mr. Crandall was also re-elected president of the California Institute Associates last month. He has been a director since 1951, and his father is a charter member of the group.

A commander in the U. S. Navy during World War II,

Mr. Crandall served as director of procurement for the Aviation Supply Office in Philadelphia. A director of the Pacific Mutual Life Insurance Company, he is also active in community affairs and is currently a director of the Children's Hospital, the Barlow Sanitarium, the Community Chest, the University Religious Conference, and the Greater Los Angeles Area Building Fund.

## Visitors

DR. LUDWIG BIERMANN has been appointed Visiting Professor of Astrophysics at Caltech for the current term. On leave of absence from the Max Planck Institute and the University of Göttingen, Germany, he is conducting a graduate course here on the astrophysical theory of stellar magnetism and plasma physics.

Dr. Biermann attended the Universities of Munich, Freiburg and Göttingen—where he received his PhD in 1932. He has been a staff member of the Observatories at Jena, Berlin, and Babelsburg, and a faculty member of the Universities of Berlin, Hamburg, and Göttingen.

DR. FELIX CHAYES, petrologist in the geophysical laboratory of the Carnegie Institution of Washington, has been appointed Visiting Professor of Petrology at Caltech for the winter term. A graduate of New York University, he received his MA and PhD degrees from Columbia University. Before joining the Carnegie Institution, he served as chemist-petrographer in the U. S. Bureau of Mines, and as a mineralogist at MIT.

DR. PAUL J. KRAMER, Professor of Botany at Duke University, is now at Caltech for a year, on a National Science Foundation Fellowship, to do research in the Earhart Plant Laboratory. A graduate of Miami University of Ohio, Dr. Kramer received his MS (1929) and PhD (1931) degrees from Ohio State University.

## NACA Appointments

FIVE CALTECH faculty members will serve on the National Advisory Committee for Aeronautics this year.

Dr. Pol Duwez has been appointed to serve on the Subcommittee on Aircraft Structural Materials, and Dr. S. S. Penner to serve on the Subcommittee on Combustion.

Reappointments were given Dr. Hans W. Liepmann (Subcommittee on Fluid Mechanics, Subcommittee on Aircraft Noise), Dr. Clark Millikan (Committee on Aerodynamics, Subcommittee on Fluid Mechanics), and Dr. E. E. Sechler (Subcommittee on Aircraft Structures).

Dr. A. J. Stosick, of the Jet Propulsion Laboratory, was also reappointed to the Subcommittee on Rocket Engines.

These men serve the NACA in a personal and professional capacity, without compensation. They are selected for their technical ability, experience, and leadership in a special field.