

Caltech's Glee Club at the closing ceremonies of the 1960 Winter Olympic Games at Squaw Valley.

The Month at Caltech

Glee Club at the Olympics

Caltech's 52-man Glee Club, which seems to be making a career of collecting honors, collected one of the biggest of all last month when it was invited to provide the music for the colorful closing ceremonies of the 1960 Olympic Games at Squaw Valley on February 28. The program, complete with the release of thousands of colored balloons, a five-gun salute (one for each continent), and the firing of

hundreds of parachutes carrying the Olympic banner and competitors' banners, was broadcast over television. Accompanied by the U. S. Marine Corps Band, the Glee Club sang "Ode Triumphant" and "No Man Is An Island." On the night before the closing ceremonies, the club presented a special program for visiting athletes and spectators.

Under the direction of Olaf Frodsham, the Glee Club has become a major extra-curricular activity at Caltech. In great demand throughout the Pacific

Southwest, the club will give some 15 concerts during the Easter vacation this month, in a tour of cities between Los Angeles and San Francisco.

New graduate house

Caltech received a gift of \$500,000 for the construction of a residence house for graduate students from Mr. and Mrs. W. M. Keck, Jr., and the William M. Keck, Jr. Foundation this month. The three-story, 53-room house is one of four being built by the Institute to provide more housing for graduate students. It will be located on the east side of Holliston Avenue, north of San Pasqual Street, as one of a four-house L-shaped grouping. The new \$1,500,000 graduate center will provide living and social facilities for about 175 unmarried students.

The Keck graduate house will have a central lobby and lounge opening onto a patio. A second-floor kitchen will be available for foreign students who are restricted to diets of their native countries. The house will also be equipped with washers, dryers and ironing boards. Thirteen pairs of the 53 single rooms may be converted into suites which can serve as living quarters for couples who attend scientific meetings at the Institute in the summer or on holidays.

Construction of the new graduate house will start in September and will be completed by the start of the 1961 fall term.

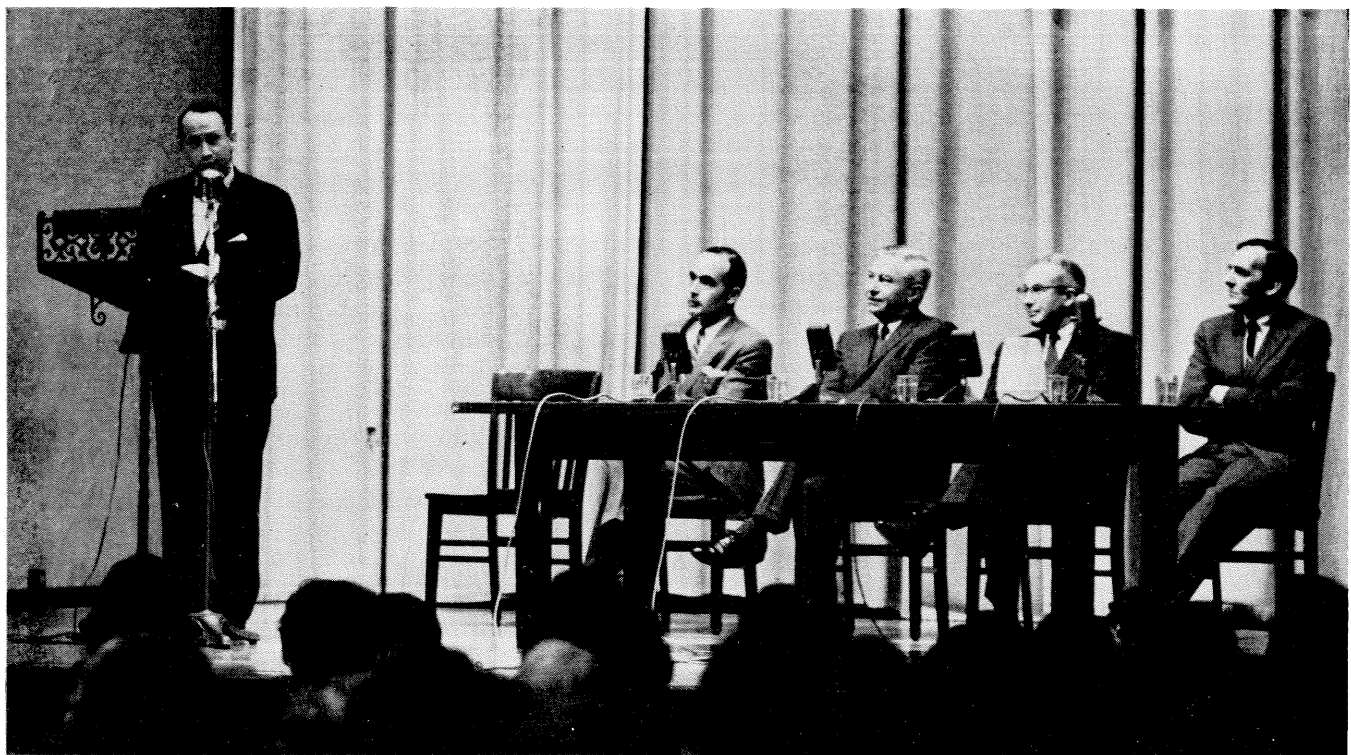
The Immense Design

Caltech presents an hour-long color television show on March 26 on NBC-Channel 4 at 9:30 p.m. The program, called "The Immense Design," is part of the NBC series "World Wide '60," and will be shown nationwide. "The Immense Design" will tell the story of creation from early mythological concepts to present-day findings, and features William Fowler, professor of physics; Jesse Greenstein, professor of astrophysics; Allan Sandage, assistant astronomer at the Mount Wilson and Palomar Observatories; and Fred Hoyle, visiting professor of astronomy from the University of Cambridge (where he is Plumian Professor of Astronomy and Experimental Philosophy), who flew from England to appear on the program.

Norman Cousins

Norman Cousins, editor of the *Saturday Review*, was on the campus from March 2-4 as the first visitor in this year's Leaders of America program, sponsored by the Caltech YMCA.

Mr. Cousins is the author of *In God We Trust*, *The Good Inheritance*, and *Modern Man is Obsolete*. He was the first man to discuss foreign policy before the Praesidium of the Soviet Union, and has lectured before the Soviet Writers' Union and the Academy of Social Science. He is honorary presi-



Norman Cousins, visiting Caltech on the YMCA Leaders of America Program, launches a panel discussion on disarmament. Members of the panel include David Elliott, associate professor of history; President L. A. DuBridge; Robert F. Bacher, physics division chairman; and Matthew L. Sands, professor of physics.



Barbara Ward (Lady Jackson), on campus to deliver the 1960 Haynes Foundation Lectures, is interviewed by student reporters.

dent of the United World Federalists, which is a national organization working for world peace through world government, and is co-chairman of the National Committee for a Sane Nuclear Policy.

Barbara Ward

Barbara Ward (Lady Jackson), British economist, visited the Caltech campus from February 15-23 as the 1960 Haynes Foundation Lecturer. Her series of four lectures was based on the main topic, "India and the Revolution of Economic Growth."

Lady Jackson is assistant editor of Britain's *The Economist* and has written several books — *The West at Bay*, *Policy for the West*, *Faith and Freedom*, and *Interplay of East and West*.

Lady Jackson was educated in England, France, and Germany, and received an honors degree in philosophy, politics, and economics from Oxford University in 1935. She makes her home in Ghana, where her husband, Commander Sir Robert Jackson, is chairman of the Development Commission. Lady Jackson is on a four-year Carnegie Fellowship on economic assistance.

Virus Research

An American Cancer Society grant of \$100,000 has been given to Caltech's biology laboratories for research on how a virus — the smallest known unit of life — changes a normal living cell into a cancer cell. The research is headed by Renato Dulbecco, professor of biology, whose techniques of isolating and identifying viruses have made important contributions to medical research. These same methods were used in the development of the Salk vaccine.

The work, which will be carried on over a period of five years, could lead to important information

about the basic cause of cancer. Working with Dr. Dulbecco will be Howard Temin, a graduate student; Dr. Lionel V. Crawford, a biologist; and Drs. Giuseppe Attardi and Roger Weil, both physicians.

Cooperative Wind Tunnel

The Southern California Cooperative Wind Tunnel may cease operations this June, due to a lack of demand for model testing. Caltech has operated the non-profit facility for five aircraft companies (Convair, Douglas, Lockheed, McDonnell and North American) since 1944. The tunnel was originally used for the study of military and commercial aircraft.

In 1954 an extensive modification was undertaken to adapt the tunnel to supersonic jet planes. Two specially built 20,000-horsepower motors were installed, which, at full capacity, were capable of using about half the electrical energy used in Pasadena. Although there is a slight possibility that operation will be continued beyond June on some other basis and on a greatly reduced scale, it is probable that the facility will be abandoned and scrapped.

CWT has been operated under the directorship of Clark B. Millikan, also director of Caltech's Guggenheim Aeronautical Laboratory; and Fred H. Felberg has been serving as associate director.

Alfred C. Ingersoll

Alfred C. Ingersoll, associate professor of civil engineering at Caltech, left the Institute last month to become dean of the School of Engineering at the University of Southern California. Dr. Ingersoll joined the Caltech staff in 1950, after receiving his MS and PhD at the University of Wisconsin. In the past few years, Dr. Ingersoll has also served as a specialist with the International Cooperation Administration.