



Ray D. Owen, professor of biology and acting chairman of Caltech's division of biology.

The Month at Caltech

Biology Chairman

Ray D. Owen, Caltech professor of biology, has been appointed acting chairman of the biology division at Caltech. He succeeds George W. Beadle, who is leaving next month to become chancellor of the University of Chicago (see page 16).

Dr. Owen was born in Genessee, Wisconsin, the son of a dairy farmer. He received his BS in 1937 from Carroll College in Waukesha, and his PhD from the University of Wisconsin in 1941.

He first came to Caltech in 1946 on a Gosney post-doctoral fellowship in biology. At that time he was on leave from the University of Wisconsin as professor of genetics and zoology. He became associate professor of biology at Caltech in 1947 and professor in 1953.

Dr. Owen is widely known for his work with in-

herited blood groups in animals and man, in the comparatively new field of tissue transplantation. He is co-author with Adrian Srb of Cornell University of the widely-used textbook *General Genetics*.

At Caltech, Dr. Owen is a member of the faculty board, the committees on academic freedom and tenure, educational policies, registration, relations with secondary schools, and a special committee on faculty organization. He has served on the admissions committee for 15 years.

Dr. Owen served as a research participant at the Oak Ridge National Laboratory in Oak Ridge, Tennessee, in 1957-58 and has been a consultant for the Laboratory since that time. He is a member of the Genetics Study Section of the National Institutes of Health, and has served on the grants committee of the American Cancer Society and on a subcommittee on medico-legal problems of the AMA.



Rudolf L. Mossbauer, Caltech research fellow in physics, and winner of the Research Corporation Award.

Research Corporation Award

Rudolf L. Mossbauer, 31-year-old Caltech research fellow in physics, has been awarded the 1960 Research Corporation Award for his discovery of a radiation measure, "the Mossbauer effect," a yardstick that enables physicists to measure precisely, for the first time, the effects of natural forces such as gravity, electricity, and magnetism, on infinitely small particles like photons and parts of the nuclei of atoms.

Dr. Mossbauer is at Caltech on a two-year leave of absence from the Institute of Technical Physics in

Munich, Germany. A native of that city, he was educated there and worked at the Max Planck Institute for nuclear physics at Heidelberg.

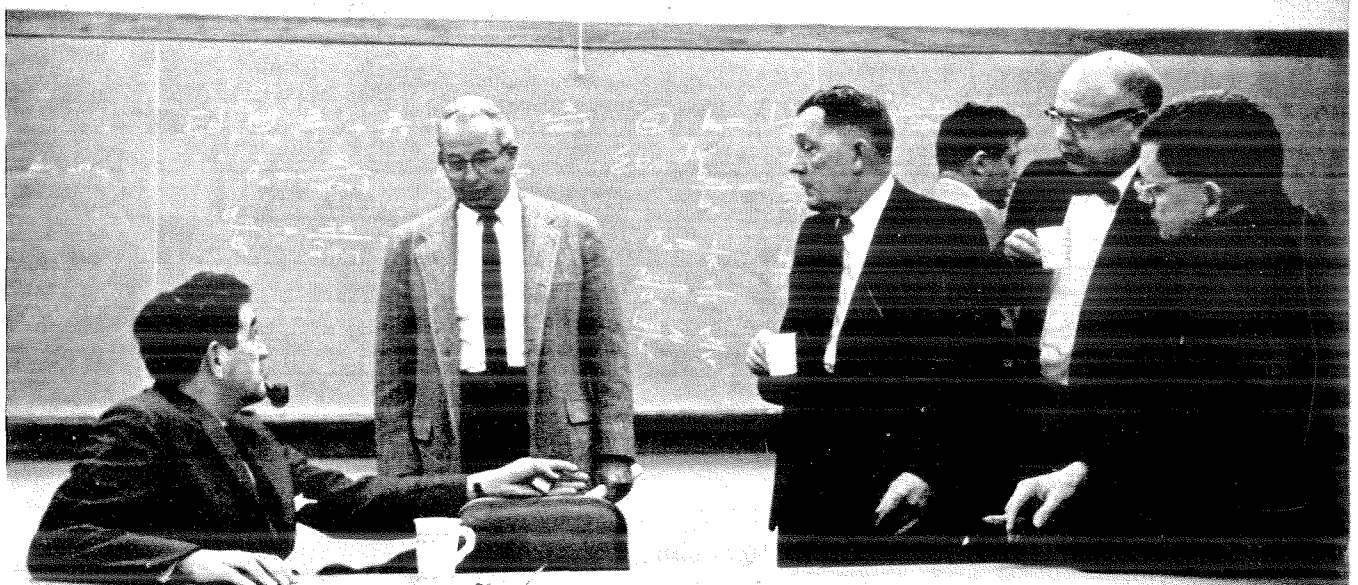
At Caltech, Dr. Mossbauer and his colleagues use his effect to detect minute magnetic properties of the atomic nucleus and the little-known internal magnetic and electric fields in isotopes of the rare earth elements. This research is supported by the Atomic Energy Commission.

The Research Corporation Award, first given in 1925, honors men of science who have made outstanding contributions. Eight out of the 24 previous winners have received Nobel Prizes. The winner of the award receives a plaque, a citation, and a \$5,000 honorarium.

Science and Government Seminars

Jerome B. Wiesner, special assistant to President John F. Kennedy for science and technology, visited the campus on January 13 as a lecturer in the Carnegie Program on Science and Government at Caltech. These seminars, held weekly throughout the academic year, are made possible by a grant from the Carnegie Corporation of New York. The lectures this year concern the problems of armament control particularly with respect to national policy and international relations.

The January 20 speaker in the Carnegie series will be Tom Schelling, professor of economics and member of the Center for International Affairs at Harvard University. Future lecturers in the series will include the Rt. Hon. John Strachey, MP; Kenneth Boulding, professor of economics at Michigan State University; Denis Healey, MP, a specialist on foreign affairs—particularly on NATO in Europe; Daniel Lerner, pro-



Jerome B. Wiesner (left), special assistant to President John F. Kennedy for science and technology, meets with Caltech faculty—Robert F. Bacher, Charles Lauritsen, William A. Fowler, and Thomas Lauritsen.

fessor of sociology at MIT; J. de la Sola Pool, professor of political science at MIT; I. I. Rabi, professor of physics at Columbia University; and Sir Solly Zuckerman, professor of anatomy at Birmingham University in England.

AUFS on Campus

On January 8 the first of four representatives of the American Universities Field Staff came to Caltech to report on political, social and economic conditions in foreign areas. Louis Dupree, reporting on Afghanistan, was on the campus from January 8 to 18.

John Hanesian, Jr., who has spent the past six years studying the polar regions, will be here from January 23 to February 1. From 1954 to 1958 he was a member of the staff selected by the National Academy of Sciences to prepare and execute the U.S. International Geophysical Year program. In 1958 he became associated with the Institute of Current World Affairs, and has just completed two years of research in polar problems in England, France, Scandinavia, and the U.S.S.R.

From February 6 to 15, Irving P. Pflaum will report to students, faculty and friends of the Institute on Spanish and Latin American developments.

From February 20 to March 1, Willard A. Hanna will make a return visit to the campus. Since his last visit in 1957-8 he has traveled widely through the Far East from his base in Kuala Lumpur in Malaya.

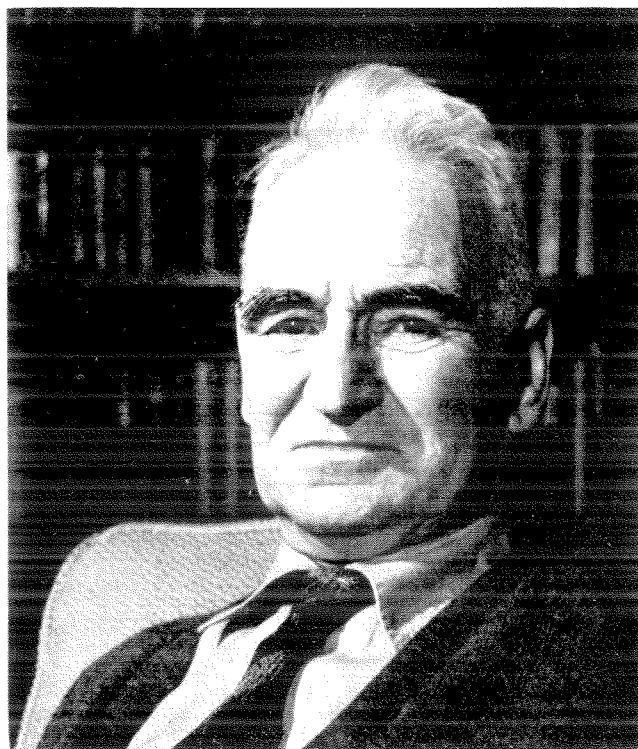
Howell N. Tyson

Howell Newbold Tyson, associate professor of mechanical engineering and engineering graphics at Caltech, died on December 18 at his home in Pasadena. He had been on the Caltech faculty for 24 years.



Howell N. Tyson, associate professor of mechanical engineering and engineering graphics.

Professor Tyson was born in Rossville, Md., on July 7, 1899, and had lived in Pasadena since 1905. He received his BS from the Massachusetts Institute of



Eric T. Bell, emeritus professor of mathematics.

Technology in 1920 and served as an assistant instructor there for a year before going to work as a designer at the Bureau of Light and Power in Los Angeles. He was employed as an engineer in private industry from 1922 to 1936, when he came to Caltech.

Surviving Professor Tyson are his wife; two sons — Howell N. Tyson, Jr., (Caltech '50) of Arcadia, and Thomas J. Tyson (Caltech '54) of Livermore; a sister, Dorothy; and four grandchildren.

Eric Temple Bell

Eric Temple Bell, Caltech emeritus professor of mathematics, died on December 21 in a Watsonville hospital. He was 77.

Dr. Bell was born in Aberdeen, Scotland, and came to the United States in 1902. He graduated from Stanford University in 1904, and went on to the University of Washington for his MS. He received his PhD from Columbia University in 1912 and returned to the University of Washington, where he taught mathematics and won a nationwide reputation for his work in the theory of numbers. After 14 years there, he came to Caltech. He retired as emeritus professor in 1953.

Under the pen name of John Taine, Dr. Bell wrote a number of magazine stories and 13 science fiction novels. He also wrote four learned books on mathematics, 10 popular books in the field, and nearly 300 scientific papers. Since his retirement, Dr. Bell had been working on a book about the work of Fermat, French mathematician of the 1600's.

He is survived by a son, Dr. Taine Temple Bell, a physician in Watsonville, and three granddaughters.