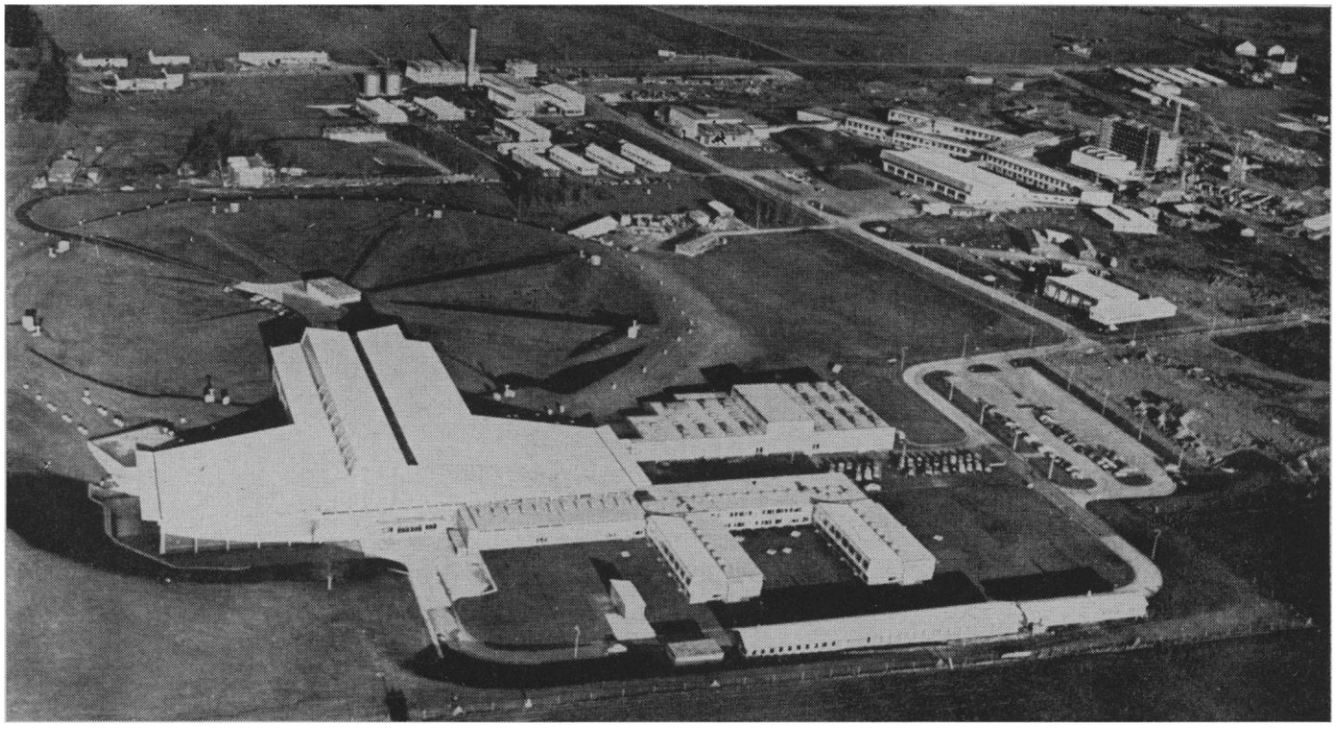

European Organization for Nuclear Research establishment at Meyrin, Switzerland. The T-shaped building in the foreground and the circular underground structure behind it house the new proton synchrotron, largest of its kind.

on specific subjects, will also be available to teachers to meet individual needs.

H. Burr Roney, project director and principal teacher in the filmed course, said it has been designed to be so flexible that any school may make use of it. While a small school with no teacher or facilities for biology instruction might use the series to advantage, the course, as planned, has four principal components—the classroom teacher, the films, a teacher's manual, and a study guide. The last two items are provided as integral parts of the course.

Roney commented, "We hope this series will make the best type of biological instruction available to every school in the nation. Our series is not intended in any way to replace the teacher—far from it. It is designed to fit into any program which any teacher uses."

Content Described

The inserted sequences, which make up more than 15 percent of the total footage, range from scenes of marine life in the West Indies to pictures of a University of California virus laboratory. They include presentations of living plant and animal forms in forest, marine, mountain, desert, and prairie environments, so that botanical, zoological, and ecological material not readily available in the classroom may be studied.

Emphasis throughout the AIBS course is on modern biology. Recent advances in radiation biology are stressed.

Over-all supervision of the content of the course has been a function of the AIBS committee on education, headed by Oswald Tippo, chairman of the department of botany at Yale University and former president of the Botanical Society of America. This committee, since pre-Sputnik days, has initiated a succession of far-reaching projects to improve and vitalize American education in the biological sciences at all levels.

The new film series was prepared with the support of the Fund for the Advancement of Education of the Ford Foundation and the Atomic Energy Commission.

Largest Proton Synchrotron Goes into Operation

The new 25-Bev alternating-gradient proton synchrotron of the European Organization for Nuclear Research, Meyrin, Switzerland, went into operation on 5 February. The facility has a large, T-shaped main laboratory building, auxiliary structures, and a wheel-shaped underground installation, about 656 feet in diameter, in which protons are accelerated up to 99.93 percent of the speed of light. Thirteen Western nations financed and built the $30-million center, which is open to scientists from all the participating countries and from some others, including India, Australia, and Israel. At present, this is the largest accelerator of its kind; however, a still larger installation is to be finished soon at the Brookhaven National Laboratory.

Scientists in the News

Herbert E. Longenecker, vice president of the professional colleges of the University of Illinois, has been appointed president of Tulane University. He is a specialist in the field of biochemistry and nutrition and a member of the technical advisory panel of biological and chemical warfare of the Department of Defense. He replaces **R. C. Harris**, who is retiring to become president of Mercer University, Macon, Ga.

Sara E. Branham, currently participating in the visiting biologist program

of the American Institute of Biological Sciences, has been named Medical Woman of the Year by the Washington, D.C., branch of the American Medical Women's Association. She retired as chief of the section on bacterial toxins at the National Institutes of Health last July, after 30 years of work for the Public Health Service.

Fred S. Orcutt, acting head of the biology department of Virginia Polytechnic Institute, has been named department head.

Hans Selye, professor and director at the Institute of Experimental Medicine and Surgery of the University of Montreal, has been named the first recipient of the Samuel Charles Miller Memorial Award by the American Academy of Dental Medicine for his contributions to the "art and science of dental medicine."

Robert N. DuPuis has been named vice president for research of General Foods Corp., Tarrytown, N.Y. He will remain on the board of directors of Philip Morris, Inc., where he has been vice president for research and development.

John W. Findlay, head of the department of research equipment development at the National Radio Astronomy Observatory, Green Bank, W.Va., has been made assistant to the director of the observatory.

Antonio H. Romano, former instructor in microbial biochemistry at Rutgers University, has been named associate professor of bacteriology in the McMicken College of Arts and Sciences of the University of Cincinnati.

James C. Sternberg, assistant professor of chemistry at Michigan State University, has been appointed senior research chemist of the scientific and process instruments division of Beckman Instruments, Inc., Fullerton, Calif.

Herald R. Cox, director of virus research at Lederle Laboratories Division of the American Cyanamid Co., has been elected president of the Society of American Bacteriologists.

Three scientists from Australia will visit the United States in the near future.

D. J. Tranter, research officer in the division of fisheries and oceanography at the Marine Laboratory in Sydney, will arrive 22 February to spend four and a half months at the Woods Hole Oceanographic Institution.

C. N. Watson-Munro, thermonuclear physicist at the University of Sydney, will begin an 8-month assignment, in February, at the Lawrence Radiation Laboratory of the University of California, Berkeley.

A. B. Whitehead, a research officer at the Chemical Research Laboratories in Melbourne, will arrive 20 February to study the application of the fluidized-bed technique to metallurgical problems. He will leave for London on 3 April.

Raymond E. Marsh, a former assistant chief of the Forest Service of the U.S. Department of Agriculture, has been awarded the Order of the White Rose of Finland for his work in making Finnish forestry techniques known in the United States. In 1958 he was similarly honored by the government of Sweden.

Frederick J. Doyle, associate professor of photogrammetry and chairman of the division of geodetic science at Ohio State University, has been appointed director of photogrammetric and geodetic research with the Broadview Research Corp., Washington, D.C.

Arthur C. F. Gilbert, psychologist and former director of the counseling service at Princeton University, is now clinical psychologist at the mental hygiene clinic of the United States Air Force Academy, Colo.

Herman Feifel, on leave from the mental hygiene service of the Veterans Administration, Los Angeles, Calif., is spending 1960 at the Research Center for Mental Health of New York University.

Ronald A. Fisher, statistician and geneticist of Cambridge University, has been lecturing at the University of Wisconsin during February. Among other topics he has discussed the relation of smoking to cancer.

Peter B. Medawar, Jodrell professor of zoology at the University of London and an authority on body reactions to transplanted tissues, will deliver the annual Dunham Lectures at Harvard Medical School on 21, 23, and 25 March. He has chosen the immunology of transplantation as his general topic.

Recent Deaths

Jesse P. Bogue, Ann Arbor, Mich.; 70; former visiting professor of higher education at the University of Michigan; executive director of the American Association of Junior Colleges from 1946 to 1958; 5 Feb.

Robert P. Celarier, North Little Rock, Ark.; 38; assistant professor of botany at Oklahoma State University; 23 Dec.

Bela Hanko, Toronto, Canada; 72; zoologist in the fisheries library of the department of zoology at the University of Toronto; formerly first director of the Hungarian Biological Institute in Tihany and a member of the Hungarian Scientific Academy; 16 Nov.

Frank G. Haughwout, Washington, D.C.; 62; former consultant to the Armed Forces Institute of Pathology; authority on tropical intestinal diseases; 6 Feb.

James W. McRae, New York, N.Y.; 49; vice president of the American Telephone and Telegraph Co. and coordinator of defense activities for the Bell Telephone System; chairman of the Army Scientific Advisory Panel; 2 Feb.

Frederick G. Merkle, University Park, Pa.; 67; professor emeritus of soil technology at Pennsylvania State University and member of the department of agronomy, 1919–57; 6 Jan.

Robert K. Nabours, Manhattan, Kan.; 84; geneticist; member of the zoology department of Kansas State University for 35 years and head of the department from 1916 to 1947; 6 Jan.

Joseph E. Nickels, Fullerton, Calif.; 47; supervisor of organic petrochemical research with Richfield Oil Corp.; Anaheim, Calif.; 9 Jan.

Bruno Oetteking, New York, N.Y.; 88; curator of physical anthropology at the Royal Museum, Dresden (1907–10); assistant at the American Museum of Natural History; 17 Jan.

Herbert L. Spencer, New York, N.Y.; 65; trustee and executive director of the Samuel H. Kress Foundation; former president of Bucknell University, Lewisburg, Pa.; 29 Jan.

Charles W. Waters, Missoula, Mont.; 62; forest pathologist; professor of botany for 34 years at Montana State University.

Erratum. A sentence in the news item on the Navy bathyscaphe's 37,800-foot descent to the floor of the Marianas Trench [*Science* **131**, 341 (5 Feb. 1960)] implies that the greatest depth previously recorded, 36,198 feet, had been attained in a similar descent by a Russian vessel. Actually, the Russian figure was an echo-sounding recording, made in August 1957 from the deck of the *Vityaz*.