Hess, illustrator, of *Exploring the Universe,* which was published by Garden City Books, a division of Doubleday and Company, Inc.

Los Alamos Opened

The Atomic Energy Commission permitted controls governing public access to Los Alamos, N.M., to be removed on 18 Feb. Since 1943, when the atomic installation was set up, admission to Los Alamos has been by pass only. Furthermore, visitors have had to get permission to enter the town at least 24 hours in advance.

The new AEC decision applies only to restrictions on movement into and out of the community. There will be no relaxation of controls over access to the Los Alamos natural science laboratory itself. The government will continue to own all real estate and existing facilities within the technical area and the present community areas.

The commission has reported that its decision to open the city was based on several points, among them the saving of nearly $100,000 a year on gate-control costs, the making possible of private financing of home sites in nearby areas, the private leasing of government-owned land and buildings for commercial purposes, and the aiding in recruitment of employees.

Biology at Randolph Macon

An anonymous gift of $350,000 has been made to Randolph-Macon Woman's College to strengthen its biology and mathematics programs. At the donor's suggestion, $35,000 will be applied to general administration and $50,000 to strengthen the mathematics program. The rest will go to the special program in biology.

The gift will provide scholarships yearly to applicants who show the greatest promise in biology and in mathematics. Other scholarships will be provided as well as assistantships, graduate fellowships, research support for faculty members, and new equipment.

Cardiovascular Training Program

A new 1-year term of the special postgraduate cardiovascular research and training program at the Medical College in Augusta will start on 1 July. It will enable about five postdoctoral students to receive intensive training in cardiovascular research under the direct supervision of William F. Hamilton, president of the American Physiological Society and professor of physiology, and Raymond P. Ahlquist, professor of pharmacology. The course is sponsored by the American Heart Association and the National Heart Institute of the U.S. Public Health Service.

A stipend of $3400, plus $350 for each dependent, will be provided. Inquiries and requests for application forms should be addressed to either Hamilton or Ahlquist, who are codirectors of the program.

Astro-Geophysics at Colorado

Fundamental research in solar-terrestrial relations will be stressed in a new graduate department of astro-geophysics recently established at the University of Colorado. Doctoral candidates in the department will be able to take advantage of the research and laboratory facilities of the High Altitude Observatory, the Central Radio Propagation Laboratory of the National Bureau of Standards, and the university's department of physics.

RCA Teaching Scholarships

Responding to the need expressed by educators for more qualified teachers of science and mathematics, the Radio Corporation of America has established 30 college and university scholarships for students who are preparing for the science teaching profession. These scholarships, which will be awarded at 20 different teacher-training colleges throughout the country, are actually an extension of the long-established RCA scholarship and fellowship program.

N.Y.U. Mathematical Sciences Institute

The Institute of Mathematical Sciences at New York University offers temporary memberships to mathematicians and other scientists holding the Ph.D. degree who intend to study and do research in the fields in which the Institute is active. These fields include functional analysis, ordinary and partial differential equations, mathematical physics, fluid dynamics, electromagnetic theory, numerical analysis and digital computing, and various specialized branches, such as hydromagnetics and reactor theory.

The temporary membership program is designed primarily as a means of alleviating the present critical shortage of scientists trained in mathematical physics, applied mathematics, and related fields of mathematical analysis. The program is being supported by the National Science Foundation and also by funds contributed by industrial firms.

Temporary members may participate freely in the research projects, the advanced graduate courses, and the research seminars of the institute, and they will have the opportunity of using the computational facilities.

The temporary members will receive a stipend commensurate with their status.

Membership will be awarded for a year, but it may be renewed. Special arrangements can be made for applicants who expect to be on leave of absence from their institutions. Requests for information and for application blanks should be addressed to the Membership Committee, Institute of Mathematical Sciences, 25 Waverly Place, New York 3, N.Y.

Geophysical Observatory in France

The French National Center for Scientific Research is spending more than 600 million francs, plus equipment costs, to build the new National Geophysical Observatory near Pouilly-sur-Loire in France. Seven laboratories and numerous other buildings will house special equipment for scientific studies to be made there. Houses are being built for the 70 scientists and technicians who will form the permanent staff of the new observatory.

Beckman and Statham

Beckman Instruments, Inc., which has headquarters in Fullerton, Calif., and Statham Laboratories, Inc., Los Angeles, Calif., have jointly announced that agreement has been reached to merge the two firms, subject to the completion of legal details and the approval of shareholders. Statham, with production facilities in Los Angeles and Puerto Rico, manufactures precision pressure transducers, accelerometers, and other devices used in aircraft and guided missiles and for scientific and industrial measurement and control. Beckman manufactures precision components, measuring and control instruments, computers, and data-handling systems.

Scientists in the News

JAMES B. CONANT, organic chemist and emeritus president of Harvard University, has resigned as United States Ambassador to the Federal Republic of Germany to return to private life.

ARNIE J. SUOMELA of Oregon has been nominated by President Eisenhower to be the first commissioner of fish and wildlife. The office, a new one in the Department of Interior, was created by

Congress last year. Suomela now is serving as assistant director of the Division of Wild Life Services. He headed the Oregon Fishery Department from 1945 to 1953.

Col. JOE M. BLUMBERG, Medical Corps, U.S. Army, has been appointed Army deputy director of the Armed Forces Institute of Pathology, Washington, D.C. He succeeds Col. FRANCIS E. COUNCIL, MC, USA, who will retire from the Army on 31 Mar.

ORR E. REYNOLDS, director of the Biological Sciences Division of the Office of Naval Research since 1949, was appointed on 1 Mar. to a position as director of the Office of Sciences, which is under the Assistant Secretary for Research and Development in the Office of the Secretary of Defense. Reynolds has been with ONR since its organization 10 years ago, when he was named head of the physiology branch.

BENO GUTENBERG, director of the Seismological Laboratory of the California Institute of Technology, has been awarded the Emil Wiechert medal of the German Geophysical Association in appreciation of his accomplishments in seismology and in the investigation of the earth's structure. This is the second award of the medal, founded in 1955, for outstanding accomplishment in geophysics.

The Phi Delta Epsilon Fraternity has presented its annual award of merit to JOSEPH KAPLAN, professor of physics at the University of California, Los Angeles, who is at present serving as coordinator of the American contributions to the International Geophysical Year.

FRED W. JENSEN, head of the chemistry department at the Agricultural and Mechanical College of Texas, will resign that post to devote full time to his duties as distinguished professor of chemistry at Texas A. and M. next fall.

FRANK F. KATES, formerly of the Hughes Aircraft Company, has been named director of research and development at Advance Industries, Inc., Cambridge, Mass. Kates is a specialist in guided missiles, fire controls, analogue computers, and infrared detection.

WALTER G. VINCENTI, for the past 16 years a research scientist at the Ames Aeronautical Laboratory at Moffett Field, Calif., has been appointed a professor on the Stanford University engineering faculty. Vincenti is known for his theoretical and wind-tunnel research on the properties of airplane wings at transonic and supersonic speeds.

HENRY HURWITZ, JR., nuclear physicist who joined the Knolls Atomic Power Laboratory staff in 1946, has been appointed manager of the nucleonics and radiation section at the General Electric Research Laboratory, Schenectady, N.Y. Hurwitz was a member of the research group that worked at Los Alamos on the early phases of the development of the hydrogen bomb.

AMOZ I. CHERNOFF has been appointed associate professor of medicine in the Duke University School of Medicine. From 1952 to 1956 he served on the faculty of the Washington University School of Medicine (St. Louis).

CHARLES H. OTIS, for the past 26 years a member of the staff of the department of biology, Bowling Green State University (Ohio), has retired from active teaching with the title professor emeritus of biology. Otis relinquished the chairmanship of the department in 1947 in order to devote his entire time to teaching; he was succeeded by WALDO STEIDTMANN. At the latter's untimely death in the summer of 1955, Otis became acting chairman of the department. He has since been succeeded in that post by JACOB VERDUIN, formerly of Ohio State University.

Otis plans to continue his research on the day lily (*Hemerocallis*), experimental work with which he has been engaged for some 10 years. This work is conducted in part at Bowling Green, but chiefly in his own test garden in Ann Arbor, Mich.

LLOYD A. COOK, former vice president for instruction and research at Wayne State University, has been appointed vice president for graduate studies and dean of the Wayne graduate school.

LUCIEN M. BIBERMAN has been appointed by the University of Chicago to the position of director of the electronics division of the Chicago Midway Laboratories. Since 1944 Biberman has been a member of the technical staff of the Naval Ordnance Test Station, China Lake, Calif., where he was responsible for the design of the NOTS Aeroballistics Laboratory and for the early sidewinder seeker design. His most recent work has included studies of missile vulnerabilities and countermeasures. In his new post, Biberman will be concerned with infrared, optical, and electronics projects.

MILISLAV DEMEREC, director of the department of genetics of the Carnegie Institution of Washington at Cold Spring Harbor, N.Y., and of the Long Island Biological Laboratory, has received an honorary degree from Hofstra College.

FREDERICK W. BROWN, director of the Boulder Laboratories of the National Bureau of Standards, has been appointed by the chief of the telecommunications division of the U.S. Department of State to head up the 71-member committee on technical questions of the International Radio Conference which is scheduled to meet in Geneva, Switzerland, the latter part of 1959. RALPH SLUTZ, chief of the Boulder Laboratories radio propagation physics division, has been appointed vice-chairman of the committee.

The conference is held whenever cooperating countries feel that it would be wise to review the use of the radio spectrum and agree upon the best utilization in order to prevent interference and confusion between radio services. The last meeting was held 10 years ago in Atlantic City, N.J.

MARK W. ZEMANSKY, head of the physics department at the College of the City of New York, has received the Oersted medal of the American Association of Physics Teachers. The medal is given for "notable contributions to the teaching of physics."

GUSTAVE SHAPIRO has been named chief of the engineering electronics section of the Electricity and Electronics Division at the National Bureau of Standards. Shapiro, who has been serving as acting chief of the section, will continue to direct the section's program of research and development in general electronic miniaturization techniques, expendable assemblies, circuit standardization, resistor noise, metal-insulator laminate characteristics, transistor reliability, and aging studies.

Another NBS appointment is that of ROBERT S. MARVIN as chief of the newly formed rheology section. The objectives of the new section will be to maintain and develop rheological standards as well as to develop new types of rheological measurements, particularly those applicable to investigations of the nonlinear relations between stress, strain, and time in fields that are not now being emphasized in other NBS sections. At present the only material standards of this sort issued by the bureau are the standard viscosity oils, but it may well be that as the understanding of rheological properties grows and methods of measurement develop in this field, other types of standards will be required. Marvin first came to the bureau in 1949 to set up and develop a program for the measurement of dynamic properties of polymers.

CARL-GUSTAF ARVID ROSSBY, internationally recognized meteorologist and past president of the American Meteorological Society, and VINCENT JOSEPH SCHAEFER, director of research for the Munitalp Foundation, were honored at the Meteorological Society's recent annual meeting. Rossby, who is director of the Institute of Meteorology in Stockholm, Sweden, received the award for outstanding services to the society "for his great vision and tireless efforts in transforming the American Meteorological Society into an international scientific and professional organization."

Schaefer received the award for outstanding contributions to the advance of applied meteorology "for original contributions in the field of experimental and physical meteorology, particularly his pioneering work in artificial nucleation." This industrial weather award, which includes a stipend of $500, was established by Weather Corporation of America.

ROBERT H. PARKER, a biologist on the staff of the University of California's Scripps Institution of Oceanography, is to receive the presidential award of the American Association of Petroleum Geologists for the most significant contribution to geologic research in 1956 by a person less than 35 years old. Parker has studied the numbers and kinds of invertebrate animals found in recent sediments on the sea floor off the Mississippi Delta. He has found that certain groupings of these are characteristic of specific environments. These observations help geologists who are studying sediments to determine whether or not a particular stratum represents an old bay, a sandy beach, or other environment.

Parker's findings were summarized in "Macro-invertebrate assemblages as indicators of sedimentary environments in the East Mississippi Delta region" [*Bull. Am. Assoc. Petroleum Geol.* **40** (Feb. 1956)]. The award, a gold medal and a small cash prize, will be presented at the annual meeting of the association in St. Louis in April.

EUGENE GREULING, associate professor of physics at Duke University and a specialist in the theory of radioactive beta decay, has joined the John Jay Hopkins Laboratory for Pure and Applied Science of General Dynamics Corporation's General Atomic Division, San Diego, Calif., for a 6-month period. During his stay, Greuling will engage in research on beta decay with Luthar W. Nordheim, a senior member of the laboratory staff who formerly was professor of physics at Duke.

PAUL S. BARKER, a member of the University of Michigan Medical School faculty since 1925, was appointed acting chairman of the department of internal medicine on 1 Feb. He replaces CYRUS C. STURGIS, who has asked to be relieved of the administrative duties of chairman so that he may concentrate on his teaching and private practice. Sturgis has been chairman of the department since 1928.

Another Michigan appointment is that of GOODWIN R. GREENBERG, who was named professor of biological chemistry on 16 Feb. He had been an associate professor at Western Reserve University in Cleveland, where he conducted research on the synthesis of the purines.

HANS POPPER has been appointed full-time director of the department of pathology at the Mount Sinai Hospital, New York, and professor of pathology, College of Physicians and Surgeons, Columbia University. He was for many years director of the department of pathology, Cook County Hospital; scientific director of the Hektoen Institute for Medical Research; and also professor of pathology, Northwestern University Medical School—all in Chicago. Popper succeeds PAUL KLEMPERER.

RICHARD F. FLINT, professor of geology at Yale University, has received a Wenner-Gren Foundation travel grant to visit Africa next summer to examine sites where evidence of ancient man has been found. He will visit key localities in the Belgian Congo, Uganda, Kenya, Tanganyika, Rhodesia, and the Union of South Africa. At each he will join in a field examination with scientists who have made significant discoveries there and will attempt to learn what further research could be accomplished in order to fit the discoveries into a geologic sequence of events.

The carbon-14 method, as used in the Yale Geochronometric Laboratory, has a reach of only about 30,000 years and, therefore, can be applied only to the records of later human cultures. The earliest human records, which may be more than 10 times as old, are too ancient for age measurement as yet. But it is hoped that their positions can be fixed by their relationships to world-wide events such as changes of climate.

LARS G. SILLEN, dean of the chemistry department at the Royal Institute of Technology in Stockholm, Sweden, has been named Arthur D. Little visiting professor of chemistry at Massachusetts Institute of Technology for the current semester. During his stay he is delivering a series of 20 lectures on "Studies on chemical equilibria."

ZENAS R. BLISS, executive officer of the engineering department at Brown University, has been named dean of the university. Bliss has been a member of the engineering division since he joined the faculty in 1923.

W. ALBERT NOYES, JR., dean of the graduate school of the University of Rochester, editor of the *Journal of the American Chemical Society,* and a specialist in the chemical effects of light, has won the 1957 Willard Gibbs medal in chemistry. His selection was announced recently at a meeting of the ACS Chicago Section, which sponsors the award. One of the highest honors in American chemistry, the Gibbs medal goes to Noyes for his contributions to science in the United States and abroad as a researcher, teacher, government adviser, and editor.

WALTER F. ROGERS, chief chemist, Houston Production Division Chemical Laboratory, Gulf Oil Corporation, Houston, Tex., will receive the 1957 National Association of Corrosion Engineers' Frank Newman Speller award for achievements in corrosion engineering. The association's Willis Rodney Whitney award will go to CARL WAGNER, professor of metallurgy at Massachusetts Institute of Technology. The awards will be presented on 13 Mar. at the Sheraton-Jefferson Hotel, St. Louis, Mo., during the NACE's 13th annual conference and exhibition.

Recent Deaths

JOSEPH G. HAMILTON, Berkeley, Calif.; 49; director of Crocker Radiation Laboratory at the University of California, Berkeley; 18 Feb.

EMILIO P. MEINECKE, San Francisco, Calif.; 87; retired forest pathologist for the U.S. Department of Agriculture; 11 Feb.

HARRY A. PATTISON, Claverack, N.Y.; 79; leader in the rehabilitation of tuberculosis patients; 14 Feb.

STUART H. PERRY, Tucson, Ariz.; 82; retired newspaper publisher who became interested in meteorites and wrote *The Mallography of Meteoric Iron*; 14 Feb.

HENRY N. RUSSELL, Princeton, N.J.; 79; professor emeritus of astronomy at Princeton University; vice president of AAAS–Section A in 1917 and president of AAAS in 1933; 19 Feb.

CARVETH WELLS, Southampton, Bermuda, and New York, N.Y.; 70; former assistant professor of engineering at London University; author, lecturer, and explorer who led many museum expeditions; 16 Feb.