

News Notes

Senate Studies Salvaging of Data from \$2.1 Billion in Cancelled Defense Research

The Senate Subcommittee on Reorganization and International Organizations reported last week that it is studying the efficiency with which research information is salvaged from cancelled research projects. During the last 3 years the Department of Defense has cancelled some \$2.1 billion of research on weapon systems prior to completion of the projects. The review is part of an analysis of government scientific information programs, to be completed by 31 January 1961.

Largest of the cancelled projects were Navaho, \$679.8 million; Rascal, \$448 million; Sea Master, \$387 million; and Regulus, \$210 million. This information was included in a statement to the subcommittee provided by Herbert York, director, Office of Defense and Engineering, Department of Defense. York's statement included only projects whose total cumulative obligations before termination involved \$10 million or more.

In describing the survey, Senator Hubert H. Humphrey, subcommittee chairman, pointed out that the Department of Defense does have a procedure for salvaging information from cancelled projects through filing of termination reports. He noted that the department is cooperating closely with the subcommittee in making available information on its index-control systems on research projects, particularly in the electronics field.

Every project involves hundreds of subprojects, tasks, and subtasks. The Senate group hopes to determine how well these are reported on, indexed, and consulted in order to avoid wasteful repetition of experiments.

Weisskopf To Head European Organization for Nuclear Research

Victor F. Weisskopf, president of the American Physical Society and professor of physics at Massachusetts Institute of Technology, is to head the 12-nation European Organization for Nuclear Research in Geneva, according to a report by Walter Sullivan in Monday's *New York Times*. The appointment is somewhat unusual because the United States is not a member of the interna-

tional research center, known as CERN.

Weisskopf was born in Vienna and became a naturalized United States citizen in 1943. He worked at the Institute of Technology in Zurich, where Albert Einstein developed his theory of relativity, and was associated with Niels Bohr at the University of Copenhagen.

Weisskopf succeeds Cornelius J. Bakker of the Netherlands, who was killed last spring in an airplane accident in the United States. John B. Adams of England has been serving as acting head of CERN. He will return to his own country to direct research on the controlled fusion reaction. Weisskopf is expected to hold his post in Switzerland for 3 years and then return to M.I.T.

Biological Abstracts Holds Dedication

Biological Abstracts dedicated its new headquarters in Philadelphia 6-7 October with housewarming ceremonies for which Wallace O. Fenn, president of the board of trustees, served as host. Fenn, professor of physiology at the University of Rochester School of Medicine and Dentistry, welcomed attending biologists and scientific information specialists at proceedings that featured a symposium on scientific communica-

tion. In his opening remarks, Fenn spoke of the growth of the organization, which abstracts biological literature from all over the world. He said: "Our growth has been dramatic because we are a product of the creativity of Science. . . ."

Organized in 1926, Biological Abstracts was for many years housed in facilities provided, rent free, by the University of Pennsylvania. In 1958, the adjoining buildings that have just been dedicated were purchased. Internally, they have been virtually reconstructed.

Washington University Faculty Supports Pauling; 187 Sign Protest

Some 187 members of the faculty of Washington University signed a letter to the Senate Subcommittee on Internal Security that protests the committee's efforts to "interfere with Dr. Linus Pauling's fulfillment of his solemn obligations to his profession, to our nation and to humanity." In 1958 Pauling submitted a petition to the United Nations which called for an international agreement to stop nuclear weapons tests. Of the 11,021 scientists who signed the petition, more than 2000 were American, 104 of them members of the United States National Academy of Sciences.



Donald F. Murphy, treasurer of the board of trustees, Biological Abstracts; Wallace O. Fenn, president; and G. Miles Conrad, director.

The subcommittee subpoenaed Pauling and demanded that he provide the committee with his record of the names of those who helped him circulate the petition. Pauling has refused, risking a contempt citation.

The Washington letter signers say: "We are proud that this petition was drafted, and the movement for its circulation was started, on the occasion of Dr. Pauling's visit at Washington University as Eliot Honors Day speaker in May, 1957. . . . That a committee on internal security should concern itself with this matter clearly indicates that its members fail to recognize that Dr. Pauling and his associates have performed a service of the highest patriotism. . . .

"That Dr. Pauling, at personal risk, has chosen to resist the subcommittee's demand is added evidence of his profound devotion to the obligations of a scholar and a citizen.

"We call upon our colleagues, our fellow citizens, and our representatives in Congress to join in putting an end to the subcommittee's present course of action."

Contempt Citation Less Likely

Although it is still possible that a criminal charge of contempt of Congress may be brought, it is far less likely now than it was before the committee session of 11 October, for which Pauling received a second subpoena. Such action cannot be taken on the basis of the hearing record so far, for Pauling has not yet been, and may never be, ordered finally to produce the documents at issue.

When Senator Thomas J. Dodd (D-Conn.), acting subcommittee chairman, asked for the list of names, Pauling's attorney entered a legal objection on which Dodd never ruled. The Supreme Court has said that a Congressional witness cannot be convicted of contempt unless the hearing committee has definitely overruled all objections and clearly directed the witness to comply with its request.

News Briefs

Antimicrobial agents. A Conference on Antimicrobial Agents will meet at the Mayflower Hotel in Washington, D.C., 26-28 October, under the sponsorship of the Society for Industrial Microbiology, a nonprofit organization of scientists and engineers in university, governmental, and industrial re-

search. Selman A. Waksman, 1952 Nobel laureate, is honorary chairman of the conference and will present the keynote address. Officers of the meeting anticipate the participation of some 500 scientists—from Japan, Czechoslovakia, West Germany, Austria, England, Canada, and Haiti, as well as the United States.

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German professors visit. A new teaching hospital is being planned for the Free University of West Berlin to provide facilities for the medical faculty. Fourteen professors from West Berlin visited the University of Chicago on 14 October to study its medical school as a model which they may wish to emulate. The buildings for the German hospital are to be financed jointly by the West Berlin Government and the United States Government, with design and construction determined by the Benjamin Franklin Foundation, a joint United States-German nongovernment group. The U.S. representatives are chiefly architects. Medical advice has been given by Jack Masur of the Clinic Center of the National Institutes of Health, Basil McLean, hospital administrator, and Russell Nelson, director of the Johns Hopkins Hospital.

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Microbiology. Sixty microbiologists, half of them from abroad, will report on their research at a Symposium on Marine Microbiology to be held in the Morrison Hotel, Chicago, 20-24 April 1961. The symposium is being sponsored by the Office of Naval Research and the Society of American Bacteriologists, in cooperation with the American Institute of Biological Sciences. Program chairman is Carl H. Oppenheimer of the University of Texas Institute of Marine Science, Port Aransas, Tex.

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Orbiting observatory planned. The National Aeronautics and Space Administration will negotiate with Grumman Aircraft Engineering Corporation, Bethpage, N.Y., on a contract to develop a 1.5-ton orbiting astronomical observatory. Astronomers will use telescopes in the orbiting observatory space platform to study cosmic phenomena—x-rays and ultraviolet and infrared rays—observed from the ground by the earth's atmosphere.

The Grumman proposal, one of 11 submitted in July, requires negotiation of a contract for approximately \$23 million, not including the cost of the experiments. Grumman proposes an eight-sided satellite, 9.5 feet high and

6.5 feet in diameter. It will weigh about 3200 pounds, including 1000 pounds of experimental equipment. Two flight model orbiting observatories will be built under the contract, the first to be delivered in 2.5 years.

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IAEA mission to Latin America. A preliminary assistance mission of the International Atomic Energy Agency left Vienna on 16 October for Mexico, El Salvador, Guatemala, Peru, and Paraguay. It is headed by Arturo Cairo of IAEA's Training and Exchange Division, formerly head of the chemistry department of the Atomic Energy Commission of Argentina and professor of inorganic chemistry on the Faculty of Sciences, University of Buenos Aires. The mission, which is expected to return to Vienna on 24 November, will spend about 1 week in each of the five countries. Other members of the IAEA team are Carlos Buchler, Robert Dudley, Subhas Dhar, Peter Nye, and John Webb.

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UNESCO conference on Africa. The U.S. National Commission for UNESCO, which has just concluded its 2-day annual meeting, has announced that next year's conference will focus on Africa south of the Sahara. Vernon McKay, vice president of the African Studies Association and professor of African studies at Johns Hopkins University, was appointed chairman of a National Commission committee to plan and organize the conference, which will be held in Boston, 23-26 October 1961. Boston University will be host, and a special organizing committee will also be set up in Boston.

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Stanford Radio Astronomy Institute. A new Radio Astronomy Institute has been formed at Stanford University to implement an expanded research program in which distinguished visiting scientists will take part. Experts from Japan and Australia already have made visits under the aegis of the institute, which will support a continuing group of such visiting specialists to augment the Stanford research staff.

The Air Force Office of Scientific Research sponsors the new organization, which is directed by Ronald N. Bracewell, the professor who designed and built Stanford's 32-dish radio telescope. An advisory committee of specialists from the Stanford Electronics Laboratories and the Radioscience Laboratory assists him in administering the institute.

Scientists in the News

Gold Heart Awards, highest honor of the American Heart Association, were presented at the association's annual dinner in St. Louis on 23 October to **Herrman L. Blumgart**, professor of medicine, Harvard Medical School, and physician-in-chief, Beth Israel Hospital, Boston, and **Robert L. King**, clinical associate professor of medicine, University of Washington School of Medicine, Seattle. Blumgart was cited for his services as editor-in-chief of *Circulation*, one of the four professional journals of the association, and King, a former AHA president, was honored for having "helped to sharpen our program objectives and to strengthen our scientific leadership on the continuing fight against cardiovascular diseases."

Rebecca C. Lancefield of the Rockefeller Institute received the third T. Duckett Jones Memorial Award of the Helen Hay Whitney Foundation on 8 October at a dinner held in her honor in Princeton, N.J. The award, in the amount of \$6500, was conferred for "her long and continuing studies which are so largely responsible for the present knowledge of the biology of hemolytic streptococci."

The presentation took place during the Whitney Foundation's third annual meeting of research fellows and established investigators and second Connecticut Tissue Conference. Dr. Lancefield is the second woman to be named a full professor by the Rockefeller Institute and the first woman to receive the Jones Award.

The National Aeronautics and Space Administration has announced appointment of 28 outstanding scientists to three Office of Life Science advisory committees. The committees (which will meet three or four times a year) and their chairmen are as follows: space biology (molecular biology, cellular environmental physiology, and extraterrestrial life), **Melvin Calvin**, professor of chemistry, University of California; space medical and behavioral sciences (neurophysiology and psychology, metabolism and nutrition, and cardiovascular and respiratory physiology), **Robert S. Morison**, director, medical and natural sciences, the Rockefeller Foundation; and flight medicine and biology (experiments in the space environment and biotechnology), **W. Randolph Lovelace, II**, the Lovelace Foundation.

Alan Gray, previously chief of the virology department, Microbiological Associates, Bethesda Md., has been appointed manager of biological development for Merck Sharp and Dohme Division of Merck and Co., West Point, Pa.

Conrad L. Longmire, physicist, has been appointed a member of the staff of the Avco-Everett Research Laboratory, Everett, Mass. He will be engaged in research pertaining to ballistic missile defense. For the past 11 years he has been on the staff of the Los Alamos Scientific Laboratory, Los Alamos, N.M., where he served as alternate leader of the theoretical division.

William C. Ashby, formerly of the botany department at the University of Chicago, has been appointed associate professor of botany at Southern Illinois University.

H. William Harris has been named professor and chairman of the department of medicine at the Woman's Medical College of Pennsylvania. Since 1955 he has been associate professor of medicine and head of the pulmonary disease division at the University of Utah College of Medicine, Salt Lake City, and chief of the pulmonary disease service of the Veteran's Administration Hospital in that city.

The Public Health Service has announced two staff changes in the office of the director, National Institutes of Health.

Charles V. Kidd, at present chief of the office of program planning, will become associate director for institutional relations.

Joseph S. Murtaugh, now serving as assistant chief of the office of program planning, will succeed Kidd as chief of the office. In his new position Kidd will be a member of the NIH director's policy staff and the leading adviser on the development of NIH relations with educational and research institutions. His principal function will be the evaluation of the total effect of all NIH research grants and fellowships on such institutions.

John P. Wise, biologist at the Fisheries Laboratory, Woods Hole, for the past 7 years, is transferring to the Food and Agriculture Organization of the United Nations to serve as an adviser in fisheries biology in Argentina, Brazil, and Uruguay.

The first Distinguished Service Awards of the Minnesota Medical Foundation were recently presented to **Maurice B. Visscher**, head of the department of physiology at the University of Minnesota, and **Owen H. Wangenstein**, head of the university's department of surgery. The two men were honored in a surprise ceremony with certificates and accompanying awards which will pay them each \$5000 annually until retirement.

John B. Kaiser has accepted appointment as the executive director of the American Documentation Institute, a professional society founded in 1937 for the discussion, publication, and critical analysis of work dealing with the theory, practice, research, and development of all elements involved in the communication of recorded specialized information. Members include physical and social scientists, technologists, administrators, librarians, information specialists, and documentalists.

In addition, **Luther H. Evans**, formerly Librarian of Congress and director of UNESCO, has been appointed editor of *American Documentation*. The ADI has temporary offices at 1025 Connecticut Ave., NW, Washington, D.C.

R. J. North, senior scientific officer at Britain's National Physical Laboratory, Teddington, will be in the United States for approximately 10 days, commencing about 16 October. His tour will include participation in the 5th International Congress on High Speed Photography in Washington, D.C.

G. Popjak, director of the Medical Research Council's Experimental Radiopathology Research Unit, London, will spend the fall working at the National Heart Institute.

Winners of 17 awards which are administered by the American Chemical Society were announced at the 138th ACS national meeting that was held recently in New York. Most of the awards will be presented next spring at the 139th national meeting of the ACS in St. Louis. At that time the Priestley Medal, the Society's highest honor, will also be presented. The 17 winners are as follows:

R. B. Woodward, Donner professor of science at Harvard University—Roger Adams Award in Organic Chemistry.

Melvin S. Newman, professor of chemistry at Ohio State University—ACS Award for Creative Work in Syn-

thetic Organic Chemistry, sponsored by the Synthetic Organic Chemical Manufacturers Association.

John J. Katz, senior research chemist, Argonne National Laboratory—ACS Award for Nuclear Applications in Chemistry, sponsored by the Nuclear-Chicago Corporation.

Frederick L. Crane, associate professor of biological sciences, Purdue University—ACS Award in Biological Chemistry, sponsored by Eli Lilly and Company.

Marcel J. E. Golay, consultant, instrument division, Perkin-Elmer Corp.—ACS Award in Chemical Instrumentation, sponsored by E. H. Sargent & Co.

Harold H. Strain, senior chemist, Argonne National Laboratory—ACS Award in Chromatography and Electrophoresis, sponsored by Labline, Inc.

Olaf A. Hougen, professor of chemical engineering, University of Wisconsin—ACS Award in Industrial and Engineering Chemistry, sponsored by the Esso Research and Engineering Company.

George S. Hammond, professor of organic chemistry, Gates and Crellin Laboratory, California Institute of Technology—ACS Award in Petroleum Chemistry, sponsored by Precision Scientific Company.

Eugene E. van Tamelen, professor of Chemistry, University of Wisconsin—ACS Award in Pure Chemistry, sponsored by Alpha Chi Sigma Fraternity.

Vladimir N. Krukovsky, professor of dairy and food science, New York State College of Agriculture, Cornell University—ACS Award in the Chemistry of Milk, sponsored by the Borden Company Foundation, Inc.

H. A. Laitinen, professor of analytical chemistry, University of Illinois—Fisher Award in Analytical Chemistry.

C. S. Seidel, Scientific Collaborator of Firmenich & Cie., Federal Polytechnical Institute, Zurich—Fritzsche Award.

Sarah Ratner, member of the division of nutrition and physiology, Public Health Research Institute of the City of New York—Garvan Medal.

David Dietz, science editor, Scripps-Howard Newspapers—James T. Grady Award.

Stephen Brunauer, manager of the basic research section at Portland Cement Association—Kendall Company Award in Colloid Chemistry.

Frank Huennekens, associate professor of biochemistry, University of

Washington School of Medicine—Paul Lewis Laboratories Award in Enzyme Chemistry.

John C. Bailar, Jr., professor of chemistry, University of Illinois—Scientific Apparatus Makers Award in Chemical Education.

Brigadier General **William M. Thames, Jr.**, commanding general of the U.S. Army Combat Surveillance Agency, Arlington, Va., has been named commanding general of the newly established U.S. Army Advent Management Agency, Fort Monmouth, N.J. Development of a communication system utilizing a 24-hour communication satellite is the objective of Project Advent, which was recently transferred from the Advanced Research Projects Agency to the Army. The U.S. Army Advent Management Agency was established by the Army Signal Corps to provide over-all management and technical direction of the Army's responsibilities in the program. The agency will be assisted by a specially selected group of officers and scientists.

Serving as deputy commander of the new agency will be Colonel **John W. Schroder**, now chief officer for ammunition operation of the U.S. Army Ordnance Special Weapons-Ammunition Command, Picatinny Arsenal, Dover, N.J.

Recent Deaths

Brooks A. Brice, Philadelphia, Pa.; 56; physicist with the U.S. Department of Agriculture for 30 years and head of the department's animal fat properties laboratory in the Eastern Utilization Research and Development Division, Wyndmoor, Pa.; noted for his developments and inventions in the field of color and spectrophotometry; 19 Sept.

Herman T. Briscoe, Indianapolis, Ind.; 66; chemist and retired vice president and dean of faculties of Indiana University; author of four books, including a widely used general chemistry textbook; during World War II, served in Washington as chief of the division of professional and technical training in the War Manpower Commission; 8 Oct.

Wesley R. Coe, San Diego, Calif.; 93; professor emeritus of biology at Yale University; after retirement in 1937, served as a research associate at Scripps Institution of Oceanography, La Jolla, Calif., for 18 years; 21 Sept.

Donald M. Davidson, Minneapolis, Minn.; 58; president of the E. J. Long-

year Company, Minneapolis, and an internationally known geologist; served as a consultant to a number of government agencies, boards, and commissions and was a former president of the Society of Economic Geologists; between 1928 and 1939, rose to chief engineer for Selections Trust, Ltd., London; 15 Sept.

Melanie Klein, London, England; 78; one of Britain's foremost child psychologists; developed the technique of "play therapy," basing her studies of emotional disorders in children on systematic observation of their play, a method that was adopted with various modifications by child guidance clinics throughout Western Europe and the United States; 22 Sept.

Alfred Kroeber, Berkeley, Calif.; 84; internationally known anthropologist who taught at the University of California for almost 40 years and for whom the university's new anthropology building, Kroeber Hall, was named in 1958; author of the authoritative textbook *Anthropology* and of a number of important works on American Indian tribes; after retirement in 1946, accepted visiting professorships at Harvard, Columbia, and Brandeis universities and, in 1955, a fellowship at the Center for Advanced Study in Behavioral Sciences at Stanford University; in 1945 received the Huxley Medal, highest honor given by the Royal Anthropological Institute of Great Britain, and the next year, the Viking Medal, from the American Anthropological Association; a former president of the American Folklore Society and the American Anthropological Association; 4 Oct.

William M. Mann, Washington, D.C.; 74; retired in 1956 after 31 years as director of the Washington zoo, which is operated by the Smithsonian Institution; was assistant director of the Mulford Biological Exploration in the Amazon Basin in 1921–22, director of the Smithsonian Chrysler Expedition to Africa in 1926, and director of the National Zoological Park expeditions to British Guiana in 1931, to Argentina in 1938, and to Liberia in 1940; in 1937 directed the National Geographic Society expedition to India; 10 Oct.

Burt M. McConnell, New York, N.Y.; 72; arctic explorer, writer, and editor; was an assistant to Vilhjalmur Stefansson and was meteorologist on the Canadian Arctic Expedition in 1913–14; was on the editorial staff of the *Literary Digest* from 1919 to 1929, and later edited the *Explorers Journal*; 24 Sept.