

ment contracts were "substantially higher" than those paid by the Government. He suggested that Federal agencies, in awarding contracts for scientific research work, "consider the impact of the salaries paid by their contractors on salaries in the whole field."

### AEC Headquarters

The U.S. Atomic Energy Commission has awarded to John McShain, Inc., of Philadelphia a contract in the amount of \$8,828,000 for construction of the commission's new headquarters building near Germantown, Md. The McShain bid was the lowest of the 13 received. The contractor is expected to begin work at once on the 109-acre site, which is 23 air miles from Washington.

The 4-story, wing-type structure of monolithic reinforced concrete faced with brick is scheduled for completion in late 1957. It will house about 1600 people, including commission employees, military personnel, and others assigned to work at AEC headquarters.

In addition to the main building, there will be a cafeteria designed to accommodate 450 people and a 300-seat auditorium. Auxiliary buildings include a warehouse, garage, boiler house, and cooling tower. Cost of the entire project, including all buildings, land, landscaping, and utilities and other expenses is estimated at \$10 million. The architect for the project is Voorhees, Walker, Smith, and Smith of New York.

### New Canadian Clinics

Canada's first clinic for sex deviates was opened in May by the Ontario Department of Health. Called the Forensic Clinic, it is to function as an adjunct of the University of Toronto in 14 rooms that have been especially set aside.

A modern examination and treatment center is planned, and although initially the director will have only two full-time assistants, the staff is expected to expand rapidly as the courts and the public become more familiar with the services available.

The clinic is the first of a series that is to be established in university cities across the province. The second will probably be in London, where it would operate in cooperation with the University of Western Ontario.

### Heart Disease Mortality in Women

Heart attacks now kill as many women as men, according to Stanley W. Hartroft, chairman of the department of pathology at Washington University (St.

Louis). He presented some results of recently completed statistical studies at the annual meeting of the American Chemical Society's New York Section.

Data assembled on 8000 autopsies showed that between 1910 and 1940 twice as many men as women died from myocardial infarction, whereas from 1940 to 1955 approximately as many women as men succumbed. The narrowing of the gap between the sexes was attributed to the finding that, in the age group over 60 years old, more women than men had become victims of heart disease. Hartroft commented:

"I almost hesitate to suggest it, but perhaps these women over 60 who are now dying more frequently of myocardial infarction than are the men, represent a group of our population that started smoking for the first time twenty years ago."

Wilbur Thomas and Kyu Lee, also of Washington University, collaborated in the study.

### Pygmies in New Guinea

The Rev. Martin Gusinde, professor of anthropology at Catholic University of America, has left on a 4-month expedition to New Guinea, where he will study a group of pygmies who live in a remote region which has never been visited by a white man. The American Philosophical Society is sponsoring the trip.

The Australian government has extended a special invitation to Gusinde to enter the interior of the unmapped and unexplored territory, which is 12,000 feet above sea level in the Schrader Mountains south of the Ramu River in the Northeast section of New Guinea. To reach his destination, Gusinde anticipates a 4- or 5-day walking trip up the mountains accompanied by a few native Papuans, a friendly people living near the sea. He will have to travel through areas inhabited by bands of head-hunters.

### News Briefs

■ Some Soviet scientists hold a hope that someday there will be a transcontinental railroad across the Bering Strait to link the United States and the U.S.S.R. They also envision a dam project that might create artificial warm currents in the Bering Sea and perhaps change the climatic conditions in the northern regions of both countries.

These ideas were discussed recently before a civic group in Hyattsville, Md., by Aleksandr I. Zinchuk, first secretary of the Soviet Embassy. He also commented that his nation has been speculating about a project to divert Siberian

rivers into arid Central Asia instead of permitting them to empty into the Arctic Ocean.

■ The Central Laboratories for Scientific and Industrial Research of Hyderabad State, India, have been taken over by the Council of Scientific and Industrial Research, Government of India. Under the new name of Regional Research Laboratory, Hyderabad, the facility becomes the council's first regional laboratory.

S. Husain Zaheer remains as director, and the research staff continues as before. However, the change assures the fulfillment of plans that were originally made for the laboratory 4 years ago. These plans could not be executed because of the state's financial difficulties.

■ The Associated Press reports that Bruno Pontecorvo, the Italian-born atomic scientist who joined the U.S.S.R., appeared on 16 May in Moscow at a conference on the physics of high-energy particles. Twelve American nuclear physicists, including Emilio Segrè, with whom Pontecorvo once collaborated, attended the conference. This is the first time that Pontecorvo has been seen by non-Communist Westerners since he held a news conference in Moscow 14 months ago. More than 400 Soviet physicists, and some 60 others from Britain, France and other countries, participated in the meeting.

### Scientists in the News

BART J. BOK, codirector of the radio astronomy project at the George R. Agassiz Station of Harvard University, and a member of the university's staff for 27 years, has accepted an appointment to direct the Commonwealth Observatory of Australia, effective 1 Feb. 1957. He will be professor of astronomy in the Research School of Physical Sciences, Australian National University, Canberra. Control of the observatory is expected to be transferred to the university shortly. Bok succeeds R. v. D. R. WOOLLEY, who has gone to Great Britain as Astronomer Royal in charge of the Royal Greenwich Observatory at Herstmonceux.

The Commonwealth Observatory is a principal center for the observation of the most intricate part of the Milky Way, which can be studied only in the Southern Hemisphere. The new 74-inch reflector telescope is one of the two largest such instruments in the Southern Hemisphere. Associated with the observatory are the Yale-Columbia Station, and a station of the Uppsala Observatory of Sweden.

Bok has had a life-long interest in

Milky Way research, and in recent years he has also become a leader in radio astronomy. In Canberra he will concentrate primarily on optical research on the Southern Milky Way, but will work in close collaboration with the radio astronomers of the Radio-Physics Laboratory at Sidney.

PEYTON F. ROUS, member of the Rockefeller Institute, received the Kovalenko medal of the National Academy of Sciences during its recent annual meeting. He was honored for his contributions to experimental medicine.

Very early in his career Rous observed an association between viruses and tumor growth. Because his observation came at a time when knowledge of viruses was meager and cancer research was in its infancy, the significance of this relationship was not recognized. Today the viral etiology of tumors is a major area of cancer research, and for the past 20 years Rous has been at the forefront of this activity. Rous has also conducted significant research in the physiology and pathology of the liver and the physiology of the blood vessels.

ROBERT H. LYDDAN has been named assistant director of the U.S. Geological Survey. Since July 1955 he has been regional engineer at the Atlantic regional office, topographic division, Arlington, Va.

HOWARD S. COLEMAN, who formerly directed the Scientific Bureau of the Bausch and Lomb Optical Company, has been appointed manager of the company's research and engineering division.

FARRINGTON DANIELS, chairman of the department of chemistry at the University of Wisconsin, recently presented the 1956 Remsen memorial lecture of the American Chemical Society's Maryland Section. He spoke at Johns Hopkins University on "Solar energy utilization."

The Remsen lectures were established in 1946 in memory of Ira Remsen, first professor of chemistry at Johns Hopkins and second president of the university. He was president of the ACS in 1902.

CHARLES N. FREY, lecturer and consultant at Massachusetts Institute of Technology, will receive the 1956 honor scroll of the New York Chapter of the American Institute of Chemists in recognition of his professional accomplishments throughout his career. Frey, for many years director of research and development of Fleischmann Laboratories, Standard Brands, Inc., will receive the award during the chapter's meeting on 7 June at the Commodore Hotel, New York.

JOHN D. BECK, professor of veterinary medicine at the University of Pennsylvania, has been named chief of staff for the new Margaret M. Caspary Center for Veterinary Research, which is to be built at 10-12 Bond St., New York. This is opposite the Ellin Prince Speyer Hospital, 350 Lafayette St., where he will also be chief of staff. Both organizations are administered by the New York Women's League for Animals. Beck is expected to continue his affiliation with the university's faculty on an associate basis.

DAVID L. COFFIN, pathologist for the Angell Memorial Hospital in Boston, Mass., and research associate and instructor in pathology at Harvard Medical School, has been named director of research by the League. GEOFFREY W. RAKE, research professor of microbiology in medicine in both the School of Medicine and the School of Veterinary Medicine at the University of Pennsylvania, will act as chairman of the research committee and of the League's board of scientific advisers.

The League has announced the receipt of a grant of \$3 million from the estate of the late Alfred H. Caspary, to be used for the establishment of the Caspary Center. Construction of the ten-story building will begin in the fall. Development of the center's research program will give increased emphasis to the affiliation, which was set up in September 1954, between the University of Pennsylvania School of Veterinary Medicine and the New York Women's League for Animals. At that time an institute for veterinary research was established by the League and two laboratories were provided in the Speyer Hospital.

An agreement has been reached with the University of Pennsylvania for the exchange of personnel and information that is expected to be beneficial to both institutions. Studies of the diseases of small animals will be emphasized in the new research center. The laboratories will be staffed and equipped to conduct both basic and clinical research.

FRANK R. CALDWELL, an experimental physicist who has been associated with the National Bureau of Standards since 1920, has been named head of the combustion controls section in the bureau's mechanics division. Caldwell helped develop the first practical jet exhaust afterburner and has led a long-term project on combustion research since 1948.

WILLIAM A. McCLELLAN, Oxford, Ohio, general practitioner, has been appointed assistant director of the department of general practice at the University of Tennessee College of Medicine in Memphis.

WEIKKO A. HEISKANEN, director of the Institute of Geodesy, Photogrammetry and Cartography at Ohio State University, has received the William Bowie medal of the American Geophysical Union.

J. G. MACHUTCHIN, formerly chemical production manager of the commercial products division, Atomic Energy of Canada, Ltd., has been appointed director of research for radioactive materials at the Bloomsburg, Pa., laboratories of the United States Radium Corporation.

Assisting in U.S. Radium's accelerated research program will be D. L. PROSSER, formerly assistant chief inspector of laboratories at Canadian Arsenals, Ltd., Nitro, Quebec, who has joined the laboratories as research chemist.

IAN R. MACGREGOR, associate professor of chemistry at the University of Cincinnati, will relinquish teaching duties next September to become an assistant dean of university administration.

Z. V. HARVALIK, professor of physics at the University of Arkansas, has received a year's leave of absence, effective in August, to accept an assignment with the U.S. Army Corps of Engineers at Fort Belvoir, Va., where he will establish a basic research laboratory in the Engineering and Research Development Laboratories.

SAMUEL MARTIN, associate professor of medicine and assistant professor of bacteriology at the Duke University School of Medicine, has been appointed head of the department of medicine at the University of Florida College of Medicine; he is also coordinator of the J. Hillis Miller Health Center Study.

Eight teachers have received awards from the American Academy of Arts and Sciences for outstanding teaching in science and mathematics in New England secondary schools. The awards were made from the academy's Elizabeth Thompson Science Fund. The recipients were MALCOLM D. CAMPBELL, Dorchester High School, Boston, Mass.; DOROTHY W. GIFFORD, Lincoln School, Providence, R.I.; LORNE F. LEA, St. Paul's School, Concord, N.H.; CLIFFORD NELSON, Weeks Junior High School, Newton Centre, Mass.; JOSEPH H. ROHLOFF, Aldrich High School, Warwick, R.I.; MARCO SCHEER, Nashua High School, Nashua, N.H.; SISTER MARY WALTER, Our Lady of Perpetual Help School, Roxbury, Mass.; and CLAIBORNE H. YOUNG, Plymouth High School, Plymouth, Mass.

STANLEY H. LANGER of the U.S. Bureau of Mines, Synthetic Fuel Research Branch, Pittsburgh, Pa., has been selected by the American Chemical Society's division of gas and fuel chemistry to receive the first bituminous coal research award for his paper on "The chemistry and structure of coal: I, Optical activity in oils derived from coal."

EVA SHIPSTONE, chairman of the psychology department of Isabella Thorburn College in Lucknow, India, will study social relations next year at Radcliffe College.

MAX E. BRETSCHGER, president of the Becco Chemical Division, Food Machinery and Chemical Corporation, announced his retirement on his 30th anniversary with the company. He will continue to act as senior technical adviser. FREDERICK A. GILBERT succeeds Bretschger as president of the division.

ROBERT B. DUFFIELD, associate professor of chemistry and physics at the University of Illinois, will head the chemistry program of the General Atomic Division laboratory of the General Dynamics Corporation in San Diego, Calif.

LLOYD P. SMITH, chairman of the department of physics at Cornell University, will join the Avco Manufacturing Corporation on 1 July as president of the Research and Advanced Development Division and vice president of the parent company. In announcing the appointment, Avco revealed that it plans substantial further expansion of the division, which now has installations at Stratford, Conn., and Everett, Mass.

ALBERT H. STEVENSON has been appointed chief sanitary engineer of the Division of Indian Health by the U.S. Public Health Service. He succeeds HUGH R. McCALL, who has retired. Previously Stevenson served as chief sanitary engineer in the national office of the Federal Civil Defense Administration in Battle Creek, Mich.

JOHN C. BUGHER, director of medical education and public health for the Rockefeller Foundation, New York, has received the 1956 Howard Taylor Ricketts award of the University of Chicago.

HERMAN BEERMAN, chairman of the department of dermatology at the University of Pennsylvania, will be the guest moderator of the Clinico-Pathologic conference of the Pacific Dermatologic Association that is to take place in Honolulu, Hawaii, 24-28 June 1956. He will also give a paper on "Dermatopathology in research" as guest speaker.

MARION E. KENWORTHY, professor of psychiatry at Columbia University and pioneer educator in psychiatry, social work, and mental health, has announced her retirement. The recent Founder's Day celebration at the New York School of Social Work, Columbia University, was dedicated to Dr. Kenworthy, who has been associated with the school for 36 years. Approximately 1000 psychiatrists, social-work educators, practitioners, and friends attended the program, which included an announcement that friends and admirers of Dr. Kenworthy had contributed \$308,000 of the \$400,000 that is necessary for the endowment of a Marion E. Kenworthy professional chair in psychiatry at the school. This amount was given or pledged in the first 3 weeks of an informal drive.

William C. Menninger of the Menninger Foundation, Topeka, Kan., who was principal speaker, paid tribute to Dr. Kenworthy for her contributions to the "enrichment of training in social work." An exhibit at the school included a letter from President Eisenhower.

A graduate of Tufts Medical School, Dr. Kenworthy began in 1921 to teach regular psychiatric courses—she gave a lecture series the previous year—and also to practice psychoanalysis. In her work she has helped advance the study of child behavior, delinquency and emotional disturbance, and the training of social workers.

### Recent Deaths

WALTER S. ADAMS, Pasadena, Calif.; 79; former director of the Mount Wilson Observatory; 11 May.

JOHN CATON, Phillipsburg, N.J.; 76; founder of the Chrysler Institute of Engineering; former professor of automobile engineering and dean of the engineering school at the University of Detroit; 16 May.

MELVIN L. ENGER, Escondido, Calif.; 75; dean emeritus of the University of Illinois College of Engineering; 13 May.

JOSEPH S. FRIEDMAN, Johnson City, N.J.; 57; senior research chemist of the Ansco Corporation and a specialist in color photography; 10 May.

EDWARD M. GILBERT, San Marcos, Tex.; 80; professor emeritus of botany at the University of Wisconsin; 23 Apr.

THOMAS A. GONZALES, New York, N.Y.; 78; retired chief medical examiner for New York City; professor emeritus of forensic medicine at the New York University-Bellevue Medical College and coauthor of *Legal Medicine and Toxicology*; 14 May.

ARTHUR V. HOLLENBERG, Mor-

ris Plains, N.J.; 45; research physicist with the Bell Telephone Laboratories; 12 May.

AUSTIN R. MIDDLETON, Louisville, Ky.; 76; professor of biology and founder of the department of biology at the University of Louisville; secretary of AAAS Academy Conference 1949-50 and its president in 1952; 11 Apr.

WILLIAM COOK SPAIN, New York, N.Y.; 64; authority on allergy; professor of clinical medicine at the New York Post-Graduate Medical School of New York University; 12 May.

### Education

■ A gift of approximately \$500,000 has been made to Tulane University by Mr. and Mrs. Percival Stern of New Orleans through the Percival Stern Foundation for the establishment of a nuclear physics laboratory that is to be named the Percival Stern Laboratory of Nuclear Physics. Terms of the gift provide \$100,000 for setting up the laboratory and not less than \$15,000 a year for a period of 25 years for its maintenance.

■ The Seton Hall College of Medicine and Dentistry, Jersey City, N.J., will admit its first class in September. A 16-story building that is part of the Jersey City Medical Center is being remodeled for the preclinical departments and administrative offices. The Medical Center will be the chief clinical teaching facility of the college. This center is the largest in the state and is one of the most complete and modern hospital units in the country. It has a capacity of about 1700 beds.

The dean of the College of Medicine is Charles L. Brown, former dean and head of the department of medicine at Hahnemann Medical College and Hospital. Merritte M. Maxwell, who is dean of the College of Dentistry, has had 35 years of service in the U.S. Navy, most of it in the Dental Corps, where he has been director of a number of dental activities and in charge of internship and residency programs.

Other members of the faculty are as follows.

*Department of anatomy:* professor and head of the department, effective 1 June, Pinckney J. Harman, former associate professor at the New York University-Bellevue Medical Center; professor, effective 1 June, Charles M. Berry, former associate professor at Cornell University Medical College. The department has four assistant professors and one instructor.

*Department of physiology:* professor and head of the department, effective 1 Feb. 1956, David F. Opdyke, former head of the department of physiology at