

an embryo is not a property of the entire egg, but is limited to a certain region of the cytoplasm and thus may or may not be incorporated in one of the cells of the four-cell stage. Seidel described the region of cytoplasm in the mammalian embryo that contains the factors leading to embryo formation as the formative center for the germinal disc (*Bildungszentrum für die Keimscheibe*).—G. DuS.

New High-Altitude Laboratory

The University of California has recently begun operation of its new Summit Laboratory at the White Mountain High Altitude Research Station. Situated on the very peak of the mountain, 14,246 feet above sea level, the 15- by 30-foot stone building has bunks for four scientists, oil heat, a gas stove and refrigerator, and limited quantities of hot and cold running water. More than 100 amperes of single-phase, 110-volt, 60-cycle electric power is provided by a gasoline-driven generator.

The laboratory can be reached during the summer months by jeeps and heavy duty trucks from the main laboratory of the station at Mount Barcroft (12,470 feet), the laboratory at Crooked Creek (10,150 feet), and the town of Bishop, Calif. (4140 feet) in the valley below. Short-wave radios provide communication among all the laboratories and the Berkeley campus.

The summit building and road were constructed during the summer of 1955 with funds granted by the National Science Foundation. The station is also supported by the Office of Naval Research and the Rockefeller Foundation, as well as by the university. Scientists from other institutions are cordially invited to use the new high-altitude facilities. Inquiries should be directed to Prof. Nello Pace, Department of Physiology, University of California, Berkeley 4, Calif.

The White House and Unclassified Research

The following comments about the report of the Committee on Loyalty in Relation to Government Support of Unclassified Research [*Science* 123, 660 (20 Apr. 1956)] were contained in a letter that was received on 14 Aug. by Detlev W. Bronk, president of the National Academy of Sciences, from Sherman Adams, assistant to the President.

"The report . . . has been carefully studied by the Executive Departments and Agencies which are primarily involved in this problem. The principles set forth in the recommendations of the report have generally been found satisfactory as a basis for actions regarding

grants or contracts for unclassified scientific research. It is noted that these principles are essentially those which support the policy of the National Science Foundation. The Departments and Agencies will, therefore, follow practices consistent with the recommendations contained in the report of the Academy's Committee. . . .

In order to achieve the greatest progress with available scientists and scientific facilities, and in order to encourage a desirable proportion of our ablest young people to devote their lives to scientific research, this country must provide the atmosphere most conducive to scientific and other intellectual achievements. . . .

"A thorough examination given the problem by your very able Committee under the chairmanship of Dr. Julius Stratton and the subsequent action of the Executive Departments and Agencies is the most recent example of the continuing partnership between the Government and scientists in the national interest. May I convey to you and the Committee our thanks for the findings and recommendations contained in the report on this important matter."

Salaries Rise in Civil Service

The Civil Service Commission has raised starting salaries in certain shortage categories in an attempt to attract and hold science specialists for national defense work. The commission has authorized federal agencies to pay the top grade rates to starting aeronautical research engineers in some 30 categories and to certain chemists and physicists in grades GS-9 and GS-11 through GS-17.

Included are aeronautical research engineers in such specialties as flight systems, aerodynamics, and rotary wings; physicists in solid-state and atmosphere studies, and chemists in aeronautical fuels research. Some 200 posts are now open in these areas.

The pay raise also will apply to current employees if they are not receiving the top rate. The effective date for the change is the first pay period after 22 Sept. The old and new starting rates for the affected categories are as follows: GS-9, advanced from \$6115 a year to \$6250; GS-11 from \$7035 to \$7465; GS-12, from \$7570 to \$8645; GS-13 from \$8990 to \$10,065; GS-14, from \$10,320 to \$11,395; GS-15, from \$11,610 to \$12,690; GS-16, from \$12,900 to \$13,760; GS-17, from \$13,975 to \$14,835.

News Briefs

■ A national survey of the attitudes of newspaper and magazine readers toward science and science news, sponsored by

the National Association of Science Writers, will be financed by a \$70,000 grant from the Rockefeller Foundation. Available over an 18-month period, the grant will make possible a 2000-person poll to be conducted by the Survey Research Center of the University of Michigan. The grant will be administered by New York University.

■ President Eisenhower has appointed Ambassador James J. Wadsworth as the United States representative, and chairman of the U.S. delegation, to the Conference on the Statute of the International Atomic Energy Agency that is scheduled to convene at United Nations Headquarters in New York on 20 Sept.

Scientists in the News

Adm. BEN MOREELL, chairman of the board of Jones and Laughlin Steel Corporation, Pittsburgh, Pa., will receive the John Fritz medal, which is sponsored jointly by the American Society of Civil Engineers, the American Institute of Mining, Metallurgical, and Petroleum Engineers, the American Society of Mechanical Engineers, and the American Institute of Electrical Engineers. Presentation of the gold medal and a certificate will be made on 17 Oct. in Pittsburgh during the national convention of the American Society of Civil Engineers. In announcing their decision, the 16-man board of award described Moreell as a "distinguished engineer and noted officer; builder of Naval works in war, and in peace eminent industrialist and civic leader."

RODNEY N. HADER has been named editor of the American Chemical Society's *Journal of Agricultural and Food Chemistry*, Washington, D.C. He has been associate editor in charge of the Chicago branch office of the ACS applied journals since 1950.

Col. GEORGE F. LEIST, of Lima, Ohio, has been appointed commanding officer of the Army Office of Ordnance Research, Durham, N.C. He succeeds Col. PAUL N. GILLON, who has retired in order to accept the position of manager of research for the Carborundum Company, Niagara Falls, N.Y.

SEYMOUR KRESHOVER, formerly professor of oral pathology and diagnosis at the Medical College of Virginia, where he was also director of dental research and director of postgraduate studies, has been appointed associate director of the National Institute of Dental Research, Bethesda, Md. The new chief of extramural programs in the dental institute is F. EARLE LYMAN, who has been

serving as executive secretary of the morphology and genetics study section, and also of the parasitology and tropical medicine study section, in the division of research grants of the National Institutes of Health.

GEORGE H. HICKOX, formerly program director for engineering sciences at the National Science Foundation, has been named director of research at the Army Corps of Engineers Research and Development Laboratories, Fort Belvoir, Va. His appointment completes a newly established three-man civilian directorate that also includes a technical director and a director of development.

CLARENCE C. LITTLE, president and director of the Jackson Memorial Laboratory at Bar Harbor, Me., has announced that he will retire in the fall. He hopes to devote himself to stabilizing the financial foundation of the laboratory, which has no endowment. Little will retain his position as scientific director of the Tobacco Industry Research Committee and chairman of its scientific advisory board.

The following are among those who have recently received honorary doctoral degrees.

Philadelphia College of Pharmacy and Science: E. G. KLARMANN, president and manager of Lehn and Fink Products Corporation, New York.

Sheffield University (England): RAYMOND PRIESTLEY, president of the British Association for the Advancement of Science; GEORGE PAGET THOMSON, master of Corpus Christi College, Cambridge; CHARLES GOODEVE, director of the British Iron and Steel Research Association.

HENRY T. HARRISON has been appointed director of meteorology for United Air Lines, and T. M. PLUNKETT assumes the newly created post of weather control manager. Both men have been associated with United for many years. They will have offices at the company's Denver operating base.

FRANK R. MAYO has joined the staff of the Stanford Research Institute as a senior research chemist and a member of the fundamental research group in the physical sciences division. He was formerly on the staff of the General Electric Research Laboratory, Schenectady, N.Y., where for several years he worked on the oxidation of unsaturated compounds.

EUGENE P. WHITLOW, a refrigeration specialist who was formerly chief engineer for Servel, Inc., has joined Southwest Research Institute's depart-

ment of chemistry and chemical engineering as senior physical chemist.

Col. RICHARD P. MASON, MC, USA, has been named commandant of Walter Reed Army Institute of Research, a component of Walter Reed Army Medical Center, Washington, D.C. He succeeds Brig. Gen. JOHN R. WOOD, MC, USA, who has retired from the Army to accept the position of vice president and director of research of a New York pharmaceutical company.

IVAN F. BENNETT has been appointed chief of psychiatric research in the psychiatry and neurology service of the Veterans Administration central office in Washington, D.C. He was formerly at the VA hospital in Coatesville, Pa. He succeeds RICHARD L. JENKINS, who has been reassigned as director of VA's psychiatric evaluation project with headquarters in Mt. Alto Hospital in Washington.

WILLARD H. WHITCOMB has been appointed professor of entomology at the University of Arkansas College of Agriculture. For the past 10 years he has been in South America, from 1947 to 1952 as an entomologist in the Venezuelan Department of Agriculture, and since then as entomologist for the Shell Oil Company in Venezuela and as consultant for the Colombian Cotton Growers Institute.

Recent Deaths

STANLEY C. BALL, New Haven, Conn.; 70; curator emeritus of zoology at the Peabody Museum, Yale University; expert in ornithology and in the geographical distribution of animals; 10 Aug.

MAX BARSHAK, Bronx, N.Y.; 67; former instructor of medicine at New York University and later at Bellevue Medical College; 4 Aug.

JOHN BOGERT, Southampton, N.Y.; 97; naval architect and marine engineer; associate editor of *The Marine Journal*; 11 Aug.

TOBIAS DANTZIG, Los Angeles, Calif.; 72; retired professor of mathematics who had been a member of the staff at Indiana University, Columbia University, Johns Hopkins University, and the University of Maryland; author of several books; 11 Aug.

ERNEST H. FALCONER, Los Gatos, Calif.; 73; professor emeritus of clinical medicine at the University of California; 11 Aug.

EARL V. FARRAR, Ridgewood, N.J.; 53; chief engineer of the Wright Aeronautical Division of the Curtiss-Wright Corporation of Woodridge; 11 Aug.

FORD KURTZ, Hollis, New York;

71; specialist in hydraulic engineering; president of J. G. White Engineering Corporation; 9 Aug.

SOPHIE SPITZ, New York, N.Y.; 46; director of the pathology department of the New York Infirmary and assistant professor of pathology at the Sloan-Kettering Division of Cornell University Medical College; 10 Aug.

MICHAEL H. TEITELBAUM, Mount Vernon, N.Y.; 58; neuropsychiatrist at the Neurological Institute of New York; 10 Aug.

WILLIAM H. WHITCOMB, Cranton, R.I.; former head of the chemistry department at Miami University, Oxford, Ohio; 9 Aug.

OSCAR R. WIKANDER, Pittsburgh, Pa.; 79; consulting engineer; 12 Aug.

WALTER J. WOHLBERG, New Haven, Conn.; 68; former dean of the Yale University School of Engineering and Sterling professor of mechanical engineering; 8 Aug.

JOHN F. WOLFF, JR., Jenkintown, Pa.; 60; consulting engineer; 3 Aug.

GEZA ZEMPLÉN, Budapest, Hungary; 73; authority on carbohydrate chemistry; 24 July.

Education

■ The Department of Health, Education, and Welfare has announced that more than 500 United States and foreign teachers will participate in the 1956-57 exchange program arranged by the U.S. Office of Education. One hundred American teachers who will exchange teaching jobs with 100 teachers of the United Kingdom departed on 4 Aug. for Great Britain; the British teachers arrived in the United States 14 Aug.

Another 56 American teachers will interchange with an equal number of teachers from Australia, Austria, Belgium, Canada, France, Germany, Italy, the Netherlands, New Zealand, and Norway. Teachers from these countries arrived during the period 11-20 Aug. In addition, 103 U.S. teachers are scheduled to go late in August and early September to other countries to teach on one-way assignments. Sixteen foreign teachers will be in American classrooms under the same arrangement. At present, 71 U.S. teachers are attending summer seminars in France, Germany, and Italy.

■ The Ford Foundation has granted \$3.5 million to the Institute of International Education. The grant will be allocated in equal installments during the next 10 years in support of the institute's work in its field, and especially in support of its part in the international exchange of persons. The institute has also received grants of \$1.5 million from the Carnegie Foundation for a 10-year period and