

no Krebiozen was available and suggested a 6-month delay until more could be produced in Argentina; to them, the university's desire to produce Krebiozen itself, signified its participation in the conspiracy to take Krebiozen away from them.

President Stoddard interpreted the Durovics' reluctance as proof of chicanery and concluded that, except possibly as a "common, harmless, inexpensive ingredient, Krebiozen does not exist." Two months after the appearance of the Cole report, in November 1952, Stoddard proclaimed the "end of the road for Krebiozen insofar as any staff member of the University of Illinois is concerned," and he prohibited further experimentation with it there.

Stoddard was acting in the face of considerable pressure from the Illinois legislature, which had allied itself with Ivy in the internecine war. Ivy, a midwesterner and successful money raiser for the university, was a great court favorite; Stoddard, who had tangled with the legislature on several previous occasions—mainly to his credit—was not. For his resistance to the politicians' interference with academia, Stoddard received, in 1954, the Academic Freedom Citation of the American Civil Liberties Union—in some ways a perverse award, since the matter at issue could be interpreted as freedom of scientific research. In the hectic drama, Stoddard was fully supported by the university faculty, though not, it turned out, by the politically elected board of trustees, who forced his resignation the following summer (1953). Ivy had by that time already lost his position as vice president in a rather precipitate reorganization action suggested by Stoddard in November 1952; he retained his other posts until late in 1961, when, on reaching retirement age, he accepted a position with tenure at Chicago's Roosevelt University.

For another year, starting in March 1953, Illinois remained the Krebiozen battlefield as the state legislature conducted intensive hearings that wandered through the mud of various conspiracy theories and exonerated everybody of everything, except President Stoddard, whom it admonished for lack of tact. Krebiozen did not become a national issue until a few years later.

—ELINOR LANGER

(This is the first of two articles on the Krebiozen controversy.)

## Announcements

The American Society for Microbiology's Committee on Aquatic Microbiology (CAM) is compiling an international **list of aquatic microbiologists**. Scientists who wish to be listed and to receive the CAM publication, *Aquatic Microbiology Newsletter*, should write S. P. Meyers, Marine Laboratory, University of Miami, Miami 49, Florida. The newsletter was previously sponsored by ASM's Aquatic Microbiology Interest Group, whose functions were recently merged with those of CAM.

The **University of British Columbia** will divide its faculty of arts and sciences effective 1 July. The new faculty of sciences will be headed by Vladimir J. Okulitch, head of the school's geology department. S. N. F. Chant, now head of the combined faculties, will be dean of the arts division.

In Philadelphia a committee has been organized to "encourage continued progress in the fields of **drug and medical research**." Composed of representatives from Philadelphia medical schools and pharmaceutical firms, the committee will be concerned with all phases of medical and pharmaceutical research; its plans call for efforts to strengthen the U.S. Food and Drug Administration, including the "establishment of a national advisory council; development of sound means to evaluate new drug safety and effectiveness; and the problems of compliance with the 1962 amendments to the Food, Drug and Cosmetic Act and the new regulations issued by the F.D.A. concerning drugs." The Greater Philadelphia Committee for Medical-Pharmaceutical Sciences is headed by Thomas M. Durant, president, College of Physicians, Temple University medical school, Philadelphia.

### Courses

The Armed Forces Institute of Pathology plans its tenth annual course on the pathology of **diseases of laboratory animals** 23–27 September in Washington. The course is designed for scientists who are responsible for the recognition and interpretation of spontaneous or induced lesions in experimental animals. Deadline for receipt of applications: *15 August*. (Director, AFIP, Washington 25)

An institute on **nutrition** in maternal and child health is scheduled for 8–19 July in New Brunswick, N.J. It is open to nutritionists, physicians, dieticians, health educators, and social workers. Graduate and advanced undergraduate students also are eligible to attend. (Director, Summer Session, Rutgers University, New Brunswick, N.J.)

A NATO summer course on **semiconductors** is scheduled for 5–30 August in Salonica, Greece. The first 2 weeks will include graduate-level work followed during the final weeks by sessions on the latest advances in semiconductor physics. Discussions and lectures will be conducted in English or French. Deadline for receipt of applications: *15 July*. (N. Economou, Dept. of Physics, Univ. of Salonica, Greece)

A graduate-level course on **electromagnetic measurements and standards** will be offered by the National Bureau of Standards graduate school and the University of Colorado, Boulder, 22 July to 9 August. Applicants must have a bachelor's degree in electrical engineering, physics, or the equivalent academic or practical experience. Tuition is \$350, plus an additional \$15 for those wanting graduate credit at the university. Deadline for applications: *1 July* (E. H. Brown, Boulder Laboratories, NBS, Boulder, Colo.)

### Publications

The U.S. Public Health Service should give leadership to efforts to improve communication of scientific research, according to a report by the Surgeon General's conference on **health communications**. The meeting was held in November.

The 119-page report makes 23 recommendations for ways to improve communication of health information to scientists, practitioners, and the public. It emphasizes educational aspects, international implications, and goals for communication improvement. Single copies of the report (PHS publication No. 998) are available at no charge. (PHS, Washington 25)

A review of **information facilities for engineers** is available from the Engineers Joint Council. The 32-page publication describes current and planned information activities of the Engineering Societies Library, Engineering In-

dex, American Institute of Chemical Engineers, and Engineers Joint Council. (*Information Systems*, E.J.C., 345 E. 47 St., New York 17; \$1.75 pre-paid)

A detailed description of the **earth's atmosphere** has been published in a 278-page report released recently. The book was prepared through the efforts of 29 scientific and technical organizations, and was jointly sponsored by the U.S. Weather Bureau, NASA, and the U.S. Air Force. Basic atmospheric parameters are presented in tabular form, with distances ranging from 5 kilometers (about 3 miles) below sea level to 700 kilometers (about 435 miles) above. Basic equations and curves for the properties are also given. (*U.S. Standard Atmosphere, 1962*, Superintendent of Documents, GPO, Washington 25. \$3.50)

The 1963 **Guide to Microforms in Print** is now available. The book contains an alphabetical list of materials available on microfilm and other microforms from U.S. publishers. Books, journals, newspapers, archival materials, and projects are included. (Microcard Editions, Inc., 901 26 St., NW, Washington 7)

A list of **foreign scholars** available for remunerative teaching and research positions in American colleges and universities is available from the Conference Board of Associated Research Councils. Each person listed is eligible for a government travel grant to the U.S. to accept an appointment for the 1963-64 school term. (*Foreign Scholars Available under the Fulbright-Hays Act for Remunerative Positions in U.S. Colleges and Universities, Academic Year 1963-64*. Mrs. J. D. Leary, Conference Board Committee, 2101 Constitution Ave., NW, Washington 25)

A report on factors influencing the amount of **strontium-90 in milk** has been released by the U.S. Public Health Service. The first in a series on environmental health, the publication tells of a project in a small milkshed consisting of four farms in Minnesota, to show the relationship between the amounts of strontium-90 found in cows' milk and the amounts found in the grass hay used to feed the cattle. (*Factors Influencing Strontium-90 in Milk from the Brainerd, Minn., Milkshed*; Public Inquiries Branch, PHS, Washington 25; PHS Publ. No. 99-R-1)

## Scientists in the News

**Paul M. Gross**, Pegram professor of chemistry at Duke University and chairman of the board of directors, AAAS, has received the Distinguished Civilian Service Medal from the Department of the Army. Dr. Gross was cited for distinguished leadership in consultant and advisory capacity in ordnance research, as a member of the Arsenal Scientific Advisory Committee and as a leader of the Senior Scientific Steering Group.

**Donald E. Osterbrock**, of the University of Wisconsin, has been appointed visiting professor of astronomy at the University of Chicago for the 1963-64 school term.

**Robert F. Freitag**, director of astronautics in the U.S. Navy Bureau of Weapons, has become director of Launch vehicles in the NASA Office of Manned Space Flight.

**Allen Kent**, former professor of library science at Western Reserve University, Cleveland, Ohio, has become director of a new center at the University of Pittsburgh, which will be concerned with teaching, technology, and research related to knowledge-availability systems.

The American Physical Society's 1963 Dannie Heineman prize for mathematical physics has been awarded to **Keith A. Brueckner**, dean of the science and engineering school at the University of California, San Diego.

**Samuel B. Detwiler, Jr.**, has been awarded the honor award for 1963 by the Washington, D.C., chapter of the American Institute of Chemists.

**Albert C. Zettlemoyer**, distinguished professor of chemistry at Lehigh University, has been named chairman of the recently formed committee on colloid and surface chemistry, at the National Academy of Sciences.

**Natale Colosi**, bacteriology and public health professor at the New York Polyclinic Medical School and Hospital, has been named director of education for comprehensive courses in medicine at the institution. He has also been elected chairman of the Interstate Sanitation Commission, which serves New York, New Jersey, and Connecticut.

The newly formed systems engineering division at Wyle Laboratories, El Segundo, Calif., will be headed by **Stanley Goldhaber**, former systems engineering department manager at the Ralph M. Parsons Company, Los Angeles.

The recipient of this year's Eli Lilly award in bacteriology and immunology is **John J. Holland**, associate professor of microbiology at the University of Washington, Seattle. The award, which includes a medal and \$1000 honorarium, honors Holland for his research on the early stages of cell-virus interaction.

**Otto Degener**, collaborator in Hawaiian botany, New York Botanical Garden, has received the Linné medal from the Royal Swedish Academy of Science.

**Hugh E. Riordan** has been appointed director of gyrodynamics research at General Precision's Kearfott division, Little Falls, New Jersey. He formerly was a section head of the Advanced Development Laboratory.

**Richard M. Foose**, formerly senior staff geologist and director of earth sciences research at Stanford Research Institute, has been named professor of geology and chairman of the geology department at Amherst College, Amherst, Mass.

**Allan B. Burdick**, professor of biology at Purdue University, has been named associate dean of the faculty of arts and sciences at the American University of Beirut, Lebanon, effective 1 September.

**John S. Diekhoff**, dean of Cleveland College and professor of arts and sciences at Western Reserve University, has been named professor of higher education at the University of Michigan, effective 23 August.

**John A. Pople**, research director in the basic physics division, National Physical Laboratory, Teddington, England, has been appointed Carnegie professor of chemical physics at Carnegie Institute of Technology, for the 1963-64 school year.

*Erratum:* Philip L. Harris has been named director of the division of nutrition at the U.S. Department of Health, Education and Welfare, not at the Department of Agriculture, as indicated recently in the Scientists in the News section [*Science* 140, 966 (31 May 1963)].