

NEWS AND COMMENT

(Continued from page 1560)

itself to finding a new way to get the *Savannah* going. Gone with the contract were about \$8½ million paid out to States Marine, the only crew trained to operate the nuclear ship, and a good deal of the *Savannah's* public appeal. Of the engineers' performance in the affair, Secretary of Commerce Luther Hodges said: "They have taken advantage of the evident unavailability of trained personnel who would . . . compete with them for their positions on board the *Savannah*. Having been trained at public expense to perform important duties aboard the only nuclear-powered merchant vessel in the world, they have turned on the government and dared it to incur the disappointment and damage to the nation's prestige which would inevitably attach to the delay which has now been forced upon us."

What should be done next? The government considered several alternatives for running the *Savannah*. It was proposed that the Maritime Administration take over and run the ship directly, on a civil-service basis. It was proposed that the Navy operate the ship. And it was proposed, warily, that the government try again to run the *Savannah* as a commercial venture by contracting with a different shipping company. Finally, the third alternative was chosen, and in July 1963 the American Export and Isbrandtsen Lines took over as the *Savannah's* General Agent.

Although a handful of deck officers and engineers changed their union affiliation to follow the *Savannah* from States Marine to American Export (where deck officers and engineers are members of the same union, the Brotherhood of Marine Officers), the new crew had essentially to be trained from scratch.

Where training of the first crew had lasted in some cases nearly 2 years, for the second there was no such luxury. Academic training lasted about 4 months, and there was an additional 10 weeks for work on the *Savannah* itself before the ship was taken out for sea trials with the new crew in February. Trials and training continued until May, when, 1 year late, the *Savannah* left Galveston for the trip that marked the beginning of the real work of the nuclear ship. A future article will discuss the *Savannah's* current problems and prospects.

—ELINOR LANGER

Announcements

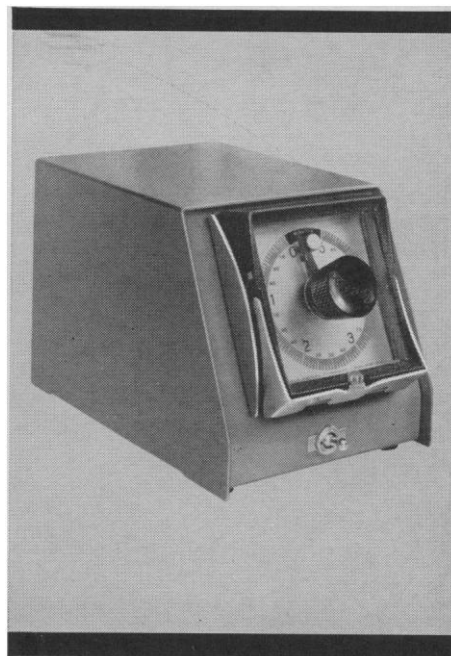
The Office of Naval Research, Harvard's Museum of Comparative Zoology, and the American Geographical Society have made available an inventory of material and data on the **marine environment of the western North Atlantic**. The inventory is the result of a project begun in 1960 to assemble information on the locations of oceanographic data and specimens for the convenience of the scientific community, to determine gaps in the geographic distribution of collection efforts, and to preserve unpublished data which might otherwise be lost. It includes items on fauna, geology, research vessel cruises, and uncorrected water temperatures. Information is recorded on small file cards, and unpublished or obscure documents are either reproduced on microcards or abstracted. The data are available from the Director, National Oceanographic Data Center, Washington, D.C. 20550, or the Director, Museum of Comparative Zoology, Harvard University, Cambridge 38, Mass.

Columbia University plans to initiate a program this fall combining study in **science and Soviet affairs**, leading to an advanced degree in science or engineering and the certificate of the Russian Institute. Participants will be required to complete all the requirements both for the science or engineering degree and for the Institute certificate. Enrollment will be limited, and the program will be adjusted to meet the needs of each participant. The program is designed, according to Alexander Dallin, director of the Russian Institute, to provide training "useful in analyzing Soviet economic and agricultural policies, in evaluating achievements in science and space technology, and in estimating Soviet military capabilities and the sincerity of initiatives in disarmament and arms control." Additional information on the program is available from Professor Dallin, at Columbia.

Meeting Notes

The Marine Biological Association of India invites papers for a symposium on **crustacea**, planned for January 1965, the exact dates to be announced. The meeting is to cover systematics, biology, and fishery. The present position and problems of crustacea will be discussed and future research planned for. Dead-

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line for receipt of abstracts in duplicate: *15 August*; for papers: *15 November*. (Convener, Symposium, Marine Biological Association of India, Marine Fisheries P.O., Mandapam Camp, S. India)

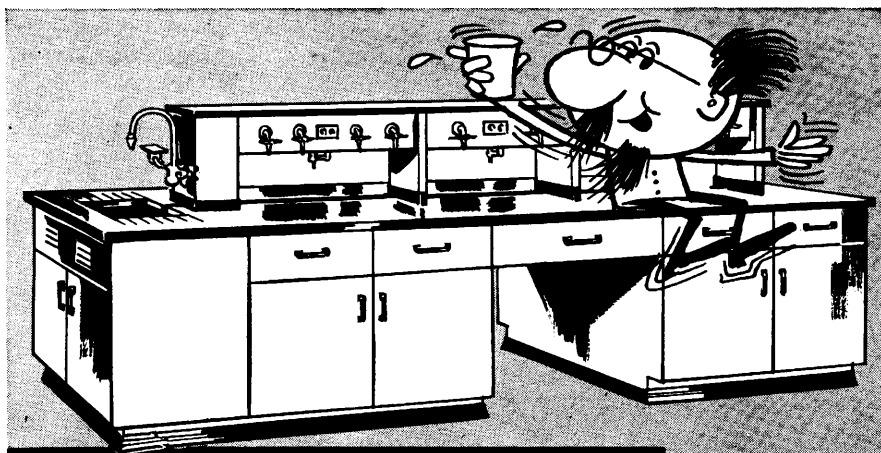
The Association of Official **Agricultural Chemists** will hold its 78th annual meeting 19–22 October in Washington, D.C. Approximately 300 papers will be presented on analytical methods, and an exhibit of laboratory equipment and supplies is also scheduled. Registration is free. (L. G. Enslinger, AOAC, Box 540, Benjamin Franklin Station, Washington, D.C. 20044)

Papers are invited for presentation at a conference on theoretical aspects of **circuit and system theory**, 28–30 September, in Monticello, Illinois. The meeting will be sponsored by the University of Illinois and the Institute of Electrical and Electronics Engineers, circuit theory group. Authors must submit a title and 100-word abstracts. Deadline *15 August* (W. R. Perkins, Department of Electrical Engineering, University of Illinois, Urbana)

Approximately 2500 medical and dental practitioners and cancer research scientists will attend the fifth national **cancer conference**, scheduled 17–19 September in Philadelphia, Pa. The meeting is sponsored by the American Cancer Society and the National Cancer Institute. It will feature symposia and panel discussions designed, according to C. S. Cameron, president of the Hahnemann Medical College, "to bring research progress into focus and to make it meaningful to the practitioners." (American Cancer Society, 219 East 42 St., New York 10017)

The University of Vermont, Burlington, will be the site of an international conference on **preventive cardiology** 24–28 August. The topics to be covered will include the nonvascular pathophysiological fundamentals, epidemiology, active measures for prevention, and professional and public education. (W. Raab, Preventive Heart Reconditioning Foundation, 206 Summit St., Burlington, Vermont 05401)

The 9th congress of the Interamerican Society of **Psychology** will be held 16–21 December in Miami Beach, Florida. Papers are invited on the theme "psychology for cultural progress"; time limit for presentations will be 15 minutes. Papers may be in English or



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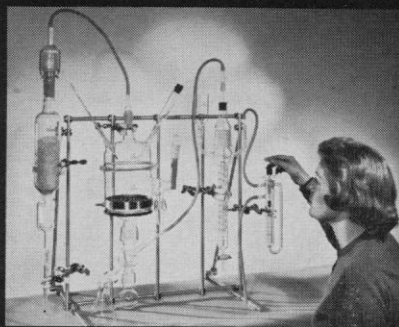
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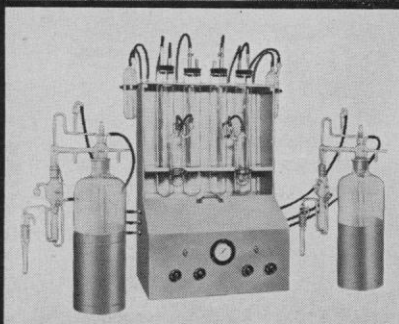
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Spanish; facilities for simultaneous translation will be available. Abstracts of 100 words are required. Deadline: 15 September. (Abstracts from the U.S. and Canada: W. H. Holtzmann, Hogg Foundation for Mental Health, University of Texas, Austin 12; from South America: A. L. Angelini, Caixa Postal 8 105, São Paulo, Brazil; from Central America and Mexico: C. M. Malgrat, Apartado 4691, Panama, Republic of Panama)

The ceramic-metal systems division of the American Ceramic Society will hold its fall meeting 20-23 September, in French Lick, Indiana. The six technical sessions will focus on the importance of design, fabrication, and testing to the performance of ceramic-metal systems. (American Ceramic Society, 4055 North High St., Columbus, Ohio 43214)

The 2nd symposium on protection against radiations in space is scheduled for 12-14 October, in Gatlinburg, Tennessee, sponsored by the AEC, NASA, and the Air Force. The meeting will cover shielding against space radiations and characteristics of space radiations and their effects on man and materials. Unclassified papers are invited. Abstracts of 600 words are required. Deadline: 14 August. (F. C. Maienschein, Oak Ridge National Laboratory, P.O. Box X, Oak Ridge, Tenn. 37831)

Papers are invited for a conference on magnetism and magnetic materials, scheduled 16-19 November in Minneapolis, Minnesota. The topics to be covered include basic theoretical and experimental investigations; potential engineering applications, apparatus, devices, and techniques; and superconductivity. The meeting is sponsored by the American Institute of Physics and the Institute of Electrical and Electronics Engineers, in cooperation with the American Society for Testing and Materials, The Metallurgical Society of the American Institute of Mining, Metallurgical and Petroleum Engineers, and the Office of Naval Research. Abstracts of 200 words are required. Deadline: 7 August. (J. B. Goodenough, Lincoln Laboratory C182, Lexington, Mass. 02173)

The 1964 electron devices meeting of the Institute of Electrical and Electronics Engineers will take place 29-31 October, in Washington, D.C. Papers are invited which deal with the electron

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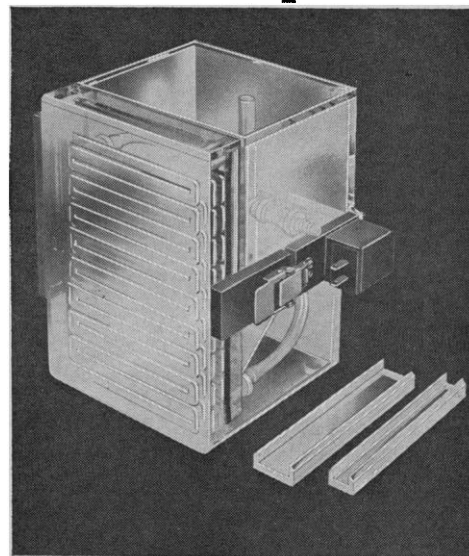
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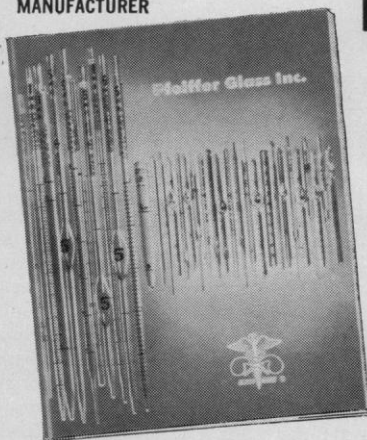
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devices and new device technology. Abstracts of 200 words, without figures, are needed. Deadline: *1 August*. (R. W. Peter, Watkins-Johnson Co., 3333 Hillview Ave., Palo Alto, Calif.)

Scientists in the News

Harvard University announced this month the appointment of **Roger Revelle** to head the university's new Center for Population Studies, effective 1 October. He will also be Saltonstall professor of population policy. He is currently University Dean of Research at the University of California and director of the Scripps Institution of Oceanography, La Jolla.

John F. Mueller, professor of medicine at the University of Colorado and chief of medicine at the Veterans Administration Hospital, Denver, has been appointed physician-in-chief of the combined departments of medicine at the Brooklyn-Cumberland Medical Center and professor of medicine at the State University of New York Downstate Medical Center. **Stanley S. Bergen, Jr.**, medical director of St. Luke's Convalescent Hospital, New York, and a faculty member of Columbia's College of Physicians and Surgeons, will become director of medicine at the Cumberland Hospital division, and associate professor of medicine at the Downstate Medical Center. Both appointments are effective 1 July.

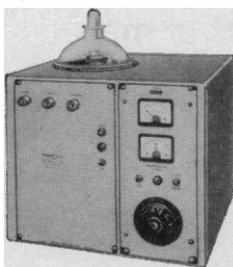
Jack B. Bresler, associate professor of biology at Boston University, has been appointed director of research development at the university, as of 1 August.

Bryce L. Crawford, Jr., dean of the graduate school, University of Minnesota, has been elected president of the Associated Midwest Universities, Inc.

William A. Fowler, director of development for the University of Colorado, has been appointed director of development for Michigan Technological University.

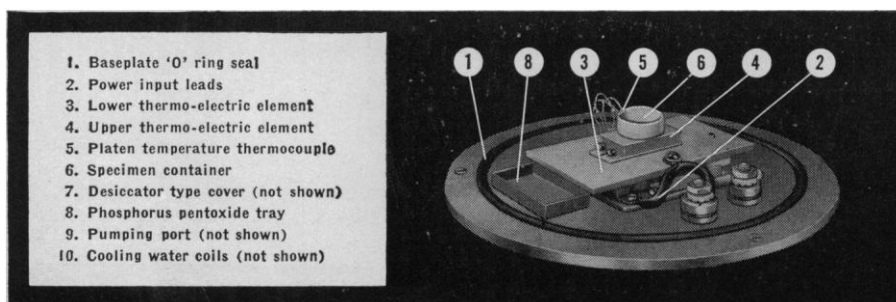
Bruce Charles Heezen, assistant geology professor at Columbia, has been awarded the H. B. Bigelow medal by Woods Hole Oceanographic Institution, for "his contributions to knowledge of the ocean floor and the geologic processes peculiar to the oceanic crust." The award carries a \$2500 honorarium.

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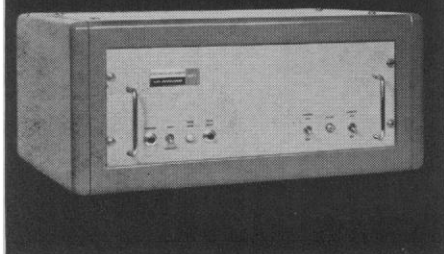
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Stewart Sharpless, director of the astrometry and astrophysics division of the U.S. Naval Observatory, has been appointed director of the C. E. Kenneth Mees Observatory at the University of Rochester, as of 1 August.

Wilfred E. Razzell, head of the enzymology section and administrative director at the Syntex Institute for Molecular Biology, Palo Alto, California, has been appointed associate professor of agricultural microbiology at the University of British Columbia, Vancouver, Canada, effective 1 July.

S. Paul Johnston, executive secretary of the American Institute of Aeronautics and Astronautics, has been named director of the Smithsonian's National Air Museum, succeeding **Philip S. Hopkins**, who plans to retire as of 1 August.

Los Angeles State College has appointed **Donald Hudson** professor of physics and chairman of the department. He has been an associate professor of physics at Iowa State University.

Henri-Paul Koenig, a former physics professor at Laval University, has been appointed scientific counsellor at the Canadian Embassy in Paris.

Seymour Shapiro, biology professor at the University of Oregon, has been named professor and head of the botany department at the University of Massachusetts, Amherst, effective 1 September.

W. Deming Lewis, executive director of the research department of Bell Telephone Laboratories, has been named president of Lehigh University, Bethlehem, Pa. He will be installed 11 October, succeeding **Harvey A. Neville**, who will become president emeritus.

The Department of State has appointed **Donald L. Fuller** scientific attaché to the American Embassy in New Delhi, India. He has been vice president of the research division, W. R. Grace & Co.

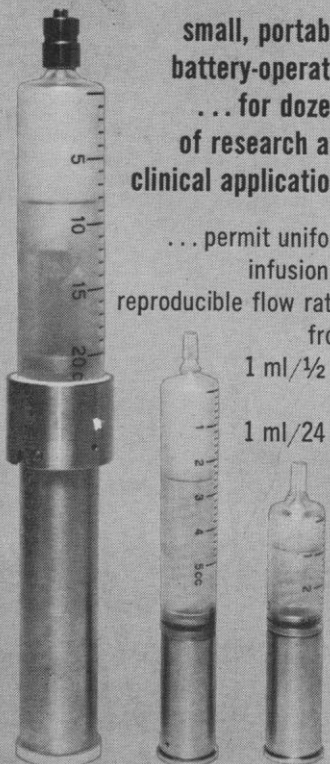
Recent Deaths

W. Alistair Bryce, 42; professor and acting head of the chemistry department, University of British Columbia, Canada; 15 May.

Parker H. Daggett, 79; former dean

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of the Rutgers college of engineering; 31 May.

Wilton R. Earle, 61; chief of the tissue culture section, National Cancer Institute; 30 May.

Milton W. Eddy, 80; professor emeritus of biology, Dickinson College; 14 June.

John Frazer, 82; former dean of the Towne scientific school of the University of Pennsylvania and retired secretary of the committee on science and the arts at the Franklin Institute, Philadelphia; 31 May.

Frederick Grover, 96; professor emeritus of botany at Oberlin College; 2 June.

Pyotr Kupalov, 76; member of the Academy of Medical Sciences of the U.S.S.R. and former head of the physiology department, at the first Medical Institute of Leningrad; 17 March.

Jasper Maruzzella, 42; professor of microbiology at Long Island University; 13 June.

Harry L. Parr, 84; professor emeritus of engineering at Columbia University; 31 May.

Robert N. Pease, 69; retired chairman of the chemistry department, Princeton University; 15 June.

Lowell A. Rantz, 52; professor of medicine at Stanford University medical school; 5 June.

Nicholas de Rochefort, 62; research analyst at the Library of Congress, for the Agency for International Development; 5 June.

Carl C. Salzman, 62; clinical professor of obstetrics and gynecology at the New York Medical College and attending obstetrician and gynecologist, Flower and 5th Avenue Hospitals; 11 June.

Isaac Schour, 64; dean of the University of Illinois college of dentistry; 5 June.

Charles Clarkson Stelle, 54, died in Washington, 11 June, of complications following an operation. He was a disarmament specialist with the Arms Control and Disarmament Agency, and helped negotiate the nuclear test ban treaty, and the Washington-Moscow "hot line" link, which he signed for the United States last year. Since December he had been on a NASA-sponsored assignment at the Space Sciences Laboratory of the University of California, Berkeley.

Erratum: The journal cited in references 4 and 10 of the report "Emphysema in lung macrosections correlated with smoking habits," by A. E. Anderson, Jr., J. A. Hernandez, P. Eckert, and A. G. Foraker [*Science* 144, 1025 (22 May 1964)] is the British journal *Thorax*, rather than *Thoraxchirurgie*.