

matics, 3 years of a foreign language, 3 years of science, or, in lieu thereof, 3 years of Latin or Greek." Senator Morse, the floor manager of the Administration bill, suggested that although Senator Goldwater opposed federal aid because it might lead to federal control, what he was proposing amounted to federal control without federal aid.

The Senate declined Goldwater's education program by a vote of 79 to 10.

On Thursday night the vote on the passage of the bill turned out to be the narrowest of the entire debate. The margin, though not as wide as had been expected, was a comfortable 49 to 34. Eighteen senators either were not on hand for the final vote, or were paired, but their positions were announced at the roll call. If everyone had voted, the tally would have been 59 for, 41 against.

On the same day the House Education and Labor Committee completed work on its version of the bill. On 18-12 party line votes it defeated Republican attempts to add, over Chairman Powell's objection, a Powell amendment to eliminate money for teachers' salaries, and failing this, to add a loyalty oath for teachers. An attempt to add loans for private and parochial schools was ruled out of order, and its supporters, assured that the Administration would not oppose some form of loan program so long as it was not tied to this bill, did not challenge the ruling.

So the bill will reach its crucial stage, the vote on the floor of the House, in exactly the form and under exactly the conditions the Administration wanted: neither the House committee nor the Senate had encumbered the bill with amendments bringing in either the segregation or parochial school issue; the question of loans for parochial schools would be taken up *after* the vote on the main bill; and to show that the Administration was acting in good faith in its assurance that it would not oppose loans for private schools if offered in a separate bill, the Senate would be in the process of considering such a bill when the school bill reached the floor of the House of Representatives.

The issue still remained in doubt. But, counting on the added impetus of the President's speech and trip, the supporters were more optimistic than they had dared to be at any point until now.—H.M.

Announcements

The Library of Congress has a duplicate stock of back issues of its publications, the **East European Accessions Index** and the **Monthly Index of Russian Accessions**, available for donation to libraries of educational institutions and public bodies in the United States. These publications contain information about the content of new Russian and East European books and articles received by the library and other American research libraries. The library will undertake to fill requests for nearly complete back files insofar as the supply permits. Requests will be filled in order of receipt. (Chief, Exchange and Gift Division, Library of Congress, Washington 25, D.C.)

Meeting Notes

A **shallow water and coastal research** conference, sponsored jointly by the National Science Foundation and the Office of Naval Research, will be held in October at the following regional meeting places:

20-21 October; Chesapeake Bay Institute, Johns Hopkins University, Baltimore, Md.

24-25 October; Oceanographic Institute, Florida State University, Tallahassee.

27-28 October; Allan Hancock Foundation, University of Southern California, Los Angeles.

The main purpose of the conference is to obtain an inventory of current research and to compile a list of the men actively contributing. Scientists in all disciplines working in the area of the continental terrace and coastal regions are invited to attend the meeting closest to their home organization and to submit a brief review of their research activities and the number of students or junior associates working with them. The reviews will be compiled into a proceedings volume and distributed to all participants after the meetings. In addition to the reviews, oral reports (limited to 10 minutes) of special studies, techniques, and methods will be scheduled. The abstracts of these oral reports will be compiled into regional programs and distributed at the meetings. Five foreign guest scientists will present reviews of their current research at evening sessions, during which time will be provided for general

discussion of common problems and informal exchange of ideas and information. The deadline for receipt of reviews (not to exceed 3 pages) is *15 September*. The deadline for 250-word abstracts of oral reports is *1 September*.

The meetings are open to men from academic, government, and industrial organizations. Persons interested in attending should notify the general chairman *before 1 August*. (Donn S. Gorsline, Oceanographic Institute, Florida State University, Tallahassee)

A 3-day symposium on **physics and nondestructive testing** will be held at Argonne National Laboratory 3-5 October. The fundamental physics on which the technology of nondestructive testing is based will be stressed. New methods or the applications of concepts new to nondestructive testing will be included. The program will include papers on linear accelerators and their application, neutron radiography, ultrasonics, infrared physics and other thermal indicators, and radiation damage. (Nondestructive Testing Group, Argonne National Laboratory, Argonne, Ill.)

The **12th Alaskan Science Conference**, sponsored by the Alaska Division of the AAAS, will be held at the University of Alaska, College, from 28 August to 1 September. The conference will cover the following fields: anthropology, biology, engineering, fisheries, forestry, geology and geography, geophysics, medicine and public health, and social sciences. (David A. Vaughan, Arctic Aeromedical Laboratory, APO 731, Seattle, Wash.)

Grants, Fellowships, and Awards

A \$1500 award for an outstanding contribution in **exfoliative cytology** has been established by the Cancer Research Foundation. The award, to be known as the Maurice Goldblatt cytology award, was established to stimulate basic research in cancer detection.

Suggestions and proposals for research in the problem of detection and identification of **underground nuclear explosions** are invited by the Air Force Office of Scientific Research. The new AFOSR program, a part of project Vela-Uniform, covers the following specific areas: development of

reliable means for determining the first motion of *P*-waves; seismic signal analyses, including development of mathematical models relating generating parameters and effects of propagation paths to the recorded signal; development of improved theories and methods for determining the energy level of seismic sources when detected at a distance; basic research in instrument design; studies of data-correlation techniques; studies of geophysical constants of the earth's crust and upper mantle; and studies of the applicability of nonseismic techniques to detection and identification of underground disturbances. The program is being conducted through grants and contracts. (Geophysics Division, AFOSR, Washington 25, D.C.)

The National Aeronautics and Space Administration's office of life science programs is soliciting proposals for ground-based and in-flight experiments in the general area of **space biology**. This area includes the search for extraterrestrial life by remote instrumentation, the study of gravity-sensitive biological systems, and the biological effects of space and planetary environments. A guide for the preparation of proposals will be supplied upon request, and staff members of the office are available, by appointment, for technical discussion. (T. L. K. Smull, Code BG, NASA, 1520 H St. NW, Washington 25, D.C.)

Arthritis. Predoctoral, postdoctoral, and senior investigatorship awards in the fundamental sciences related to arthritis are being offered by the Arthritis and Rheumatism Foundation for work beginning 1 July 1962. The deadline for applications is *31 October 1961*. The awards are intended as fellowships for the training of young men and women for an investigative or teaching career. They are not in the nature of grants-in-aid in support of research projects. They range from \$2000-\$3000 per year for predoctoral fellowships to \$7000-\$10,000 per year for senior investigator awards for candidates holding "faculty rank." (Arthritis and Rheumatism Foundation, 10 Columbus Circle, New York 19)

Research grants in the field of the **autonomic nervous system** are now available through the auspices of the Dysautonomia Association. (2 W. 46th St., New York 19)

Scientists in the News

Sir Russell Brain, British neurologist, has received the Hughlings Jackson medal of the Royal Society of Medicine, London, for his studies on the nature of speech and its disorders. The award, presented every 3 years, is the highest given by British neurologists.

Selman A. Waksman, director emeritus of Rutgers University's Institute of Microbiology, has been awarded the Trudeau medal by the National Tuberculosis Association.

Sverre Pettersen, professor of meteorology and chairman of the department, and **Julian R. Goldsmith**, professor of geochemistry and associate dean of the physical sciences division, University of Chicago, have been named chairman and associate chairman, respectively, of the university's newly created department of geophysical sciences. The new department is being staffed with faculty members from the departments of astronomy and chemistry and the Enrico Fermi Institute for Nuclear Studies, and with all the present staff of the departments of meteorology and geology.

Lawrence P. Huelsman, associate professor of electrical engineering at the University of Arizona, and **Robert M. Lerner**, assistant group leader in radar techniques at Lincoln Laboratory, Massachusetts Institute of Technology, have been selected to receive awards given by the National Electronics Conference for the best papers presented at its 1960 conference.

The two following appointments were recently made at Georgetown University. **Melvin Blecher**, assistant professor of biochemistry at Albert Einstein College of Medicine, has been named associate professor of biochemistry at the university's schools of medicine and dentistry; **William H. Horner**, associate professor of biochemistry at the university, has been named chairman of the department.

Arthur B. Pardee, professor of biochemistry at the University of California's virus laboratory, in Berkeley, has been appointed director of Princeton University's recently expanded program in the biochemical sciences. Under the new program the departments of chemistry and biology will form an

interdepartmental biochemistry committee, of which Pardee will be chairman. The committee will offer a graduate program leading to the degree of doctor of philosophy in biochemistry.

In accordance with an exchange program begun in 1960 between the European Organization for Nuclear Research (CERN) in Geneva, Switzerland, and Soviet nuclear research centers, two French scientists from CERN have arrived in Moscow to participate in research work at the Institute for Theoretical and Experimental Physics, Academy of Sciences of the U.S.S.R. **Philippe Dennerly** will work with theoretical research at the institute, and **Robert Meunier** will participate in experimental work being prepared for the 7-Gev synchrophasotron under construction at the institute.

William L. Everitt, dean of engineering at the University of Illinois, has been elected president for 1961 of Associated Midwest Universities.

Howard M. Teeter has received the U.S. Department of Agriculture's superior service award for his "outstanding contributions to science, agriculture and other industries, and the public." Teeter is assistant director of USDA's Northern Utilization Research and Development Division, Peoria, Ill., where he has been employed since 1942.

Two senior chemists at Argonne National Laboratory have been honored by the American Chemical Society for outstanding research work.

Joseph J. Katz received the Nuclear Applications in Chemistry award sponsored by the Nuclear-Chicago Corporation.

Harold H. Strain is the winner of the society's first Chromatography and Electrophoresis award sponsored by Labline, Inc.

Jerome Levy, chief psychologist of the division of mental health, Texas State Department of Health, has been appointed coordinator of the staff development project recently initiated by the Western Interstate Commission for Higher Education.

William B. Bean, professor and head of the department of internal medicine at the State University of Iowa, has been awarded the 1961 Groedel medal of the American College of Cardiology.