

value of the approach and recommends that groups concerned with any biological areas consider the organization of similar *ad hoc* panels to help stimulate re-examination of undergraduate courses. A limited number of reprints of the two reports are available from the committee, 2101 Constitution Ave., NW, Washington 25, D.C.

Winds in the Upper Atmosphere

Using rockets which release confetti-like aluminum chaff more than 50 miles above the earth, Army scientists are plotting winds in the upper atmosphere. With this new method, developed at the U.S. Army Signal Engineering Laboratories at Fort Monmouth, N.J., a cloud of chaff is released and tracked by radar to produce a fast and accurate wind profile. The chaff has been swept along at some 200 miles an hour by the winds. Continuous measurements have been made from the maximum altitude of 283,000 (about 54 miles) down to levels of less than 100,000 feet.

The results of recent tests at White Sands, N.M., and Patrick Air Force Base, Fla., show that the metallic chaff method can provide an unbroken map of wind speed and direction—the first time this has been possible at such altitudes. Findings on winds within the test zones show that they are generally easterly and have about the same speed as the westerly “jet streams” found at altitudes of 30,000 to 40,000 feet. Hans J. aufm Kampe and Dudley E. Cline of the Army Signal Corps, one a physicist and the other an engineer, have been active in the development of the new wind-measuring technique.

Proposed Legislation

Of the many bills introduced in Congress, some have a special relevance to science and education. A list of such bills recently introduced follows:

HR 11261. Establish a self-liquidating scholarship loan fund to enable highly qualified high-school graduates in financial need to receive a college education. Keating (R-N.Y.). House Education and Labor.

HR 11329. Amend title IV of Housing Act of 1950 to authorize loans under college housing loan program for construction of science buildings and libraries at educational institutions. O'Brien (D-N.Y.). House Banking and Currency.

HR 11392. Create a Department of Science and prescribe its functions and establish a U.S. Science Academy within such department. Christopher (D-Mo.). House Government Operations.

HR 11271. Provide for establishment

of Bureau of Older Persons within Department of Health, Education, and Welfare; authorize federal grants to assist in development and operation of studies and projects to help older persons. Ullman (D-Ore.). House Education and Labor.

HR 11414. Amend section 314(c) of Public Health Service Act, to authorize Surgeon General to make certain grants-in-aid for support of public or nonprofit educational institutions which provide training and services in fields of public health and in administration of state and local public-health programs. Rhodes (D-Pa.). House Interstate and Foreign Commerce.

HR 11363. Amend Communications Act of 1934 to prohibit subliminal projection by television stations. Hosmer (R-Calif.). House Interstate and Foreign Commerce.

S 3537. Encourage discovery, development, and production of manganese-bearing areas in U.S., its territories and possessions. Martin (R-Iowa). Senate Interior and Insular Affairs.

S 3539. Amend part VI of subtitle C, title 10, U.S.C. to authorize Secretary of Navy to take possession of naval oil shale reserves. Allott (R-Colo.). Senate Armed Services.

S 3606. Provide financial assistance to the states for educational purposes by returning to the states a portion of federal income taxes collected therein. Proxmire (D-Wis.). Senate Labor and Public Welfare.

HR 11776. Provide for national security through programs designed to increase the number of students in mathematics, science, engineering, and modern foreign languages in institutions of higher education. Provide additional facilities for teaching of such subjects. Assist teachers to increase their knowledge. Byrd (D-W.Va.). House Education and Labor.

HR 11785. Strengthen national defense, advance the cause of peace, and assure the intellectual pre-eminence of the United States, especially in science and technology, through programs designed to stimulate the development and increase the number of students in science, engineering, mathematics, modern foreign languages, and other disciplines. Provide additional facilities for the teaching thereof. Promote the development of technical skills essential to national defense. Assist teachers to increase their knowledge and improve their effectiveness. Gray (D-Ill.). House Education and Labor.

HR 11830. Provide for a federal program of loans to encourage and assist able and needy students to continue their education beyond the high-school level. Lane (D-Mass.). House Education and Labor.

HR 11833. Encourage expansion of teaching and research in education of mentally retarded children through grants to institutions of higher learning and to state educational agencies. May (R-Conn.). House Education and Labor.

HR 11854. Provide a federal grant program to assist the states and localities in the construction of schools. Engle (D-Calif.). House Education and Labor.

S 3582. Authorize the establishment of a Youth Conservation Corps to provide healthful outdoor training and employment for young men and to advance the conservation, development, and management of national resources of timber, soil and range, and of recreational areas. Humphrey (D-Minn.), Murray (D-Mont.), Neuberger (D-Ore.), Proxmire (D-Wis.), Jackson (D-Wash.). Senate Labor and Public Welfare.

S 3588. Amend title VI of the Public Health Service Act, as amended, in order to make certain clinics in rural areas eligible for federal aid to diagnostic or treatment centers. Payne (R-Me.), Flanders (R-Vt.). Senate Labor and Public Welfare.

S 3595. Amend section 406 of the Federal Food, Drug, and Cosmetic Act in order to provide that maximum concentrations for certain color additives used in coloring oranges be prescribed by regulation. Holland (D-Fla.). Senate Labor and Public Welfare.

HR 11835. Provide for holding a White House Conference on Aging to be called by the President of the United States before 31 December 1958, to be planned and conducted by the special staff on aging of the United States Department of Health, Education, and Welfare with the assistance and cooperation of other agencies of that department and of other departments and agencies represented on the Federal Council on Aging. Assist several states in conducting similar conferences on aging prior to the White House Conference on Aging. Rodino (D-N.J.). House Education and Labor.

S 3593. Amend the Atomic Energy Community Act of 1955 in order to authorize the Atomic Energy Commission to dispose of certain property for college purposes. Gore (D-Tenn.), Kefauver (D-Tenn.). Joint Atomic Energy.

S 3604. Amend the act of 3 March 1915, which established the National Advisory Committee for Aeronautics, and establish the National Astronautics Agency. Case (R-S.D.). Special Committee on Space and Astronautics.

HR 11860. Amend the act of 3 March 1915, as amended, to increase the scope of the activities of the National Advisory Committee for Aeronautics (renamed in this act the National Advisory Committee for Aeronautics and Astronautics),