

as particular situations may require in the public interest.

Since these provisions are contained in the Magnuson Bill, and since other provisions of this bill are, in our judgment, equal or superior to parallel provisions in other proposed bills, we hereby endorse the Magnuson Bill and recommend its enactment. Before this bill is enacted, however, we recommend two additions which are in the nature of safeguards:

1. To insure that the appointments to the board shall be nonpolitical and based upon ability, they should be made from a list of names submitted by the National Academy of Sciences or other national body or bodies of scientists representing all major fields.
2. To protect the freedom of scientists to choose the nature, scope, and methods of their researches, a specific statement for this purpose should be written into the bill.

If a compromise bill is to be worked out, we urge that the provisions named above and the recommendations of Dr. Vannevar Bush in "Science, the Endless Frontier," and in his testimony before the Subcommittee of the Senate, be included in the new bill.

(Signed) A. SIDNEY HARRIS, *Chairman*

A. H. HERSH

FRANK HOVORKA

FREDERICK R. MAUTZ

HARRY GOLDBLATT

#### REPORT OF GENERAL ARNOLD ON THE NEED FOR MAINTAINING ADE- QUATE AIR POWER

In the report to the Secretary of War of General Henry H. Arnold, Commander in Chief of the United States Army Air Forces, among the recommendations made are the following:

The Air Force must be authorized to expand existing research facilities and create and take advantage of new ones to accomplish applied research and to make such facilities available to scientists and industrial concerns working on problems for the Air Force. Further, the Air Force must have the means of recruiting and training personnel who have full understanding of the scientific facts necessary to procure and use the most advanced equipment. Although basic scientific research should not be undertaken by the Air Force in its own organization, it must encourage and sponsor such basic research as may be deemed necessary for the defense of the nation. We must depend on scientific and technological advances requiring us to replace about one fourth of our equipment each year.

In the accomplishment of its fundamental responsibility for insuring that the nation is prepared to wage effective air warfare, the Air Force must be able to call on all talents and facilities existing in the nation and sponsor further development of the facilities and creative work of science.

It is in the national interest to establish a national

research foundation composed of the most highly qualified scientists in the United States and charged with the responsibility of furthering basic research and development in all fields of science and the scientific training of adequate numbers of highly qualified men. Scientific planning must be years in advance of the actual research and development work.

#### RECENT GIFTS TO THE ARNOLD ARBO- RETUM OF HARVARD UNIVERSITY

UNDER the provisions of the will of the late Miss Marian Roby Case, the Arnold Arboretum of Harvard University is named as beneficiary to the extent of her real estate, about 90 acres and all improvements, in Weston, Mass., \$150,000 to its capital account, and also the residuary legatee for the entire estate. The indications are that this may prove to be the largest single gift to the Arnold Arboretum in the seventy-three years of its existence. Title has already been taken to the real estate involved which adjoins the sixty-acre estate presented to the Arnold Arboretum three years ago by the decedent's sister, Miss Louisa W. Case, together with an outright gift of \$50,000 to capital. While no restrictions were specified, the hope was expressed that with the additions to institutional income the two adjoining estates could be maintained and developed as an adjunct to the Arnold Arboretum.

The will of the late Mrs. Katherine T. Balch, wife of the late John Balch, of Milton, Mass., now in probate, provides that the Arnold Arboretum is to be the recipient of one half of her residuary estate, which may amount to more than \$100,000.

#### SCIENCE AWARDS OF THE GUGGENHEIM FOUNDATION

THE John Simon Guggenheim Memorial Foundation has awarded thirty-six post-service fellowships amounting in value to \$94,000 to young scholars and artists who have served in the Army and in other Government services. The recipients, each granted approximately \$2,500, range from private first class, to lieutenant colonel, and, in the Navy, from special-list third class, to lieutenant commander.

The original appropriation of \$200,000 for post-service fellowships, which are granted on the same basis as the other fellowships of the foundation to those who have demonstrated unusual capacity for research and artistic creation, was doubled. This was done because of the high ability of the applicants.

Awards in the sciences are as follows:

Dr. Lewis H. Kleinholz, Captain, Army; instructor, Cambridge (Mass.) Junior College—Studies of physiological and chemical interrelationships in the fields of crustacean endocrinology.

Dr. G. La Verne Freeman, Lieutenant Commander, Navy; associate professor of psychology, Northwestern