

(d) *With others.*—An advisory committee on the NDEA graduate fellowship program was established under the act to advise on policy matters related to the administration of the program and to consider the program in the context of total Federal involvement in the support of graduate education.

8. *Laws and regulations*

Title IV of the National Defense Education Act of 1958 enacted on September 2, 1958, as Public Law 85-864. For amendments and text of the current act, see Compendium of Statutes, pages 163-191.

PART II. DATA BEARING ON ECONOMIC ASPECTS AND IMPACTS OF THE PROGRAM

9. *Economic effects*

(a) *Personal income.*—A recipient of an NDEA graduate fellowship by obtaining a doctoral degree, has a higher potential personal income than would be the case without the degree. This is true in both industry and teaching. If, however, a person leaves a position in industry to obtain a doctoral degree and pursues a career in college teaching, his income level may be below that which he would achieve through a career in business or industry.

(b) *Worker placement and productivity.*—The Ph. D. earned by NDEA fellows provides them with the "union card" necessary for entrance into the field of college or university teaching. The doctoral degree is often required for promotion or appointment to positions above the rank of instructor.

(c) *Business or industrial organization and management.*—This program, by increasing the number of persons holding doctoral degrees, eases the manpower shortage of persons with advanced degrees. Although NDEA fellowships are awarded to those planning a career in college teaching, the easing of the manpower shortage in college teaching will have the same effect on industry by freeing greater numbers of persons with advanced degrees for service in industry and business.

(d) *Geographic differentials.*—Title IV of the NDEA particularly specified that graduate programs for which NDEA fellowships are awarded must substantially further the objectives of increasing the facilities throughout the Nation for the graduate training of college or university level teachers and of promoting a wider geographical distribution of such facilities throughout the Nation. For study during fiscal year 1967, for example, fellowships have been allocated to 171 institutions in 49 States and the District of Columbia.

There are already many fellowship programs, public and private, which permit the student to go to the institution of his choice. These have resulted in a high concentration of fellowship holders in relatively few institutions. The NDEA graduate fellowship program has strengthened and helped to insure graduate training in areas of the country where help is badly needed and contributed to a better geographical balance in providing graduate education.

(e) *Gross national product.*—Education is one of the deepest roots of economic growth. Through its direct effect on the quality and adaptability of the working population and through its indirect effects on the advance of science and knowledge, education is the ultimate source of much of our increased productivity. Improvement in the quality of education now available and expansion of the capacity of an