

§ 5(a), July 29, 1985, 99 Stat. 172; Pub. L. 100-418, title V, § 5115(a)(1), Aug. 23, 1988, 102 Stat. 1433.)

REFERENCES IN TEXT

Act of June 29, 1950 (64 Stat. 275), referred to in subsec. (a), was the Deficiency Appropriation Act, 1950. Provisions thereof relating to Working Capital Fund are not classified to the Code.

PRIOR PROVISIONS

A prior section 12 of act Mar. 3, 1901, ch. 872, as added by act July 22, 1950, ch. 486, § 2, 64 Stat. 373, related to equipment purchased by Department of Commerce to carry out investigations, prior to repeal by act Aug. 3, 1956.

AMENDMENTS

1988—Subsec. (a). Pub. L. 100-418 substituted “Institute” for “National Bureau of Standards”.

1985—Subsec. (f). Pub. L. 99-73 struck out “first” after “may be applied”, and inserted provisions relating to working capital for replacement of equipment and inventories.

1978—Subsec. (a). Pub. L. 95-322 struck out “, and additional amounts as from time to time may be required for the purposes of said fund are authorized to be appropriated” after “(64 Stat. 275)”.

EFFECTIVE DATE OF 1985 AMENDMENT

Amendment by Pub. L. 99-73 effective Oct. 1, 1984, see section 5(c) of Pub. L. 99-73, set out as an Effective Date note under section 275c of this title.

SECTION REFERRED TO IN OTHER SECTIONS

This section is referred to in section 275b of this title.

§ 278c. Acquisition of land for field sites

To the extent that funds are specifically appropriated therefor, the Secretary of Commerce is authorized to acquire land for such field sites as are necessary for the proper and efficient conduct of the activities authorized herein.

(Mar. 3, 1901, ch. 872, § 13, as added Pub. L. 85-890, § 1, Sept. 2, 1958, 72 Stat. 1711.)

REFERENCES IN TEXT

“Herein”, referred to in text, refers to act Mar. 3, 1901, ch. 872, which is classified generally to this chapter.

PRIOR PROVISIONS

A prior section 13 of act Mar. 3, 1901, ch. 872, as added July 22, 1950, ch. 486, § 2, 64 Stat. 373, related to acceptance of gifts and bequests, prior to repeal by act Aug. 3, 1956. See sections 1522 and 1523 of this title.

§ 278d. Construction and improvement of buildings and facilities

Within the limits of funds which are appropriated for the Institute, the Secretary of Commerce is authorized to undertake such construction of buildings and other facilities and to make such improvements to existing buildings, grounds, and other facilities occupied or used by the Institute as are necessary for the proper and efficient conduct of the activities authorized herein.

(Mar. 3, 1901, ch. 872, § 14, as added Pub. L. 85-890, § 1, Sept. 2, 1958, 72 Stat. 1711; amended Pub. L. 92-317, § 3(d), June 22, 1972, 86 Stat. 235; Pub. L. 96-461, § 8, Oct. 15, 1980, 94 Stat. 2051; Pub. L. 100-418, title V, § 5115(a)(1), Aug. 23, 1988, 102 Stat. 1433; Pub. L. 102-245, title I, § 104(f), Feb. 14, 1992, 106 Stat. 11.)

REFERENCES IN TEXT

“Herein”, referred to in text, refers to act Mar. 3, 1901, ch. 872, which is classified generally to this chapter.

AMENDMENTS

1992—Pub. L. 102-245 substituted “herein.” for “herein: *Provided*, That no improvement shall be made nor shall any building be constructed under this authority at a cost in excess of \$250,000 unless specific provision is made therefor in the appropriation concerned.”

1988—Pub. L. 100-418 substituted “Institute” for “National Bureau of Standards” wherever appearing.

1980—Pub. L. 96-461 substituted “\$250,000” for “\$75,000”.

1972—Pub. L. 92-317 substituted “\$75,000” for “\$40,000”.

EFFECTIVE DATE OF 1980 AMENDMENT

Amendment by Pub. L. 96-461 effective Oct. 1, 1980, see section 11 of Pub. L. 96-461, set out as an Effective Date note under section 278g of this title.

FACILITIES FOR COLD NEUTRON RESEARCH

Pub. L. 101-162, title I, § 104, Nov. 21, 1989, 103 Stat. 994, provided that: “Hereafter, the National Institute of Standards and Technology is authorized to accept contributions of funds, to remain available until expended, from any public or private source to construct a facility for cold neutron research on materials, notwithstanding the limitations contained in 15 U.S.C. 278d.”

§ 278e. Functions and activities

In the performance of the functions of the Institute the Secretary of Commerce is authorized to undertake the following activities: (a) The purchase, repair, and cleaning of uniforms for guards; (b) the care, maintenance, protection, repair, and alteration of Institute buildings and other plant facilities, equipment, and property; (c) the rental of field sites and laboratory, office, and warehouse space; (d) the purchase of reprints from technical journals or other periodicals and the payment of page charges for the publication of research papers and reports in such journals; (e) the furnishing of food and shelter without repayment therefor to employees of the Government at Arctic and Antarctic stations; (f) for the conduct of observations on radio propagation phenomena in the Arctic or Antarctic regions, the appointment of employees at base rates established by the Secretary of Commerce which shall not exceed such maximum rates as may be specified from time to time in the appropriation concerned, and without regard to the civil service and classification laws and sections 5542 to 5546 of title 5; (g) the erection on leased property of specialized facilities and working and living quarters when the Secretary of Commerce determines that this will best serve the interests of the Government; and (h) the provision of transportation services for employees of the Institute between the facilities of the Institute and nearby public transportation, notwithstanding section 1344 of title 31.

(Mar. 3, 1901, ch. 872, § 15, as added Pub. L. 85-890, § 1, Sept. 2, 1958, 72 Stat. 1711; amended Pub. L. 92-317, § 3(e), June 22, 1972, 86 Stat. 235; Pub. L. 100-418, title V, § 5115(a)(1), Aug. 23, 1988, 102 Stat. 1433; Pub. L. 104-113, § 8(2), Mar. 7, 1996, 110 Stat. 779.)

REFERENCES IN TEXT

The civil service laws, referred to in cl. (f), are set forth in Title 5, Government Organization and Employees. See, particularly, section 3301 et seq. of Title 5.

The classification laws, referred to in cl. (f), are set forth in chapter 51 (§5101 et seq.) and subchapter III (§5331 et seq.) of chapter 53 of Title 5.

CODIFICATION

"Sections 5542 to 5546 of title 5" substituted in text for "titles II and III of the Federal Employees Pay Act of 1945" on authority of Pub. L. 89-554, §7(b), Sept. 6, 1966, 80 Stat. 631, the first section of which enacted Title 5, Government Organization and Employees.

AMENDMENTS

1996—Pub. L. 104-113 struck out "and" before "(g)" and inserted before period at end "; and (h) the provision of transportation services for employees of the Institute between the facilities of the Institute and nearby public transportation, notwithstanding section 1344 of title 31".

1988—Pub. L. 100-418 substituted "functions of the Institute" for "functions of the National Bureau of Standards" and "Institute buildings" for "Bureau buildings".

1972—Pub. L. 92-317 substituted, in cl. (b), "the care, maintenance, protection, repair, and alteration of Bureau buildings and other plant facilities, equipment, and property" for "the repair and alteration of buildings and other plant facilities".

§ 278f. Fire Research Center**(a) Establishment; programs of research; functions of Secretary; dissemination of information**

There is hereby established within the Department of Commerce a Fire Research Center which shall have the mission of performing and supporting research on all aspects of fire with the aim of providing scientific and technical knowledge applicable to the prevention and control of fires. The content and priorities of the research program shall be determined in consultation with the Administrator of the United States Fire Administration. In implementing this section, the Secretary is authorized to conduct, directly or through contracts or grants, a fire research program, including—

(1) basic and applied fire research for the purpose of arriving at an understanding of the fundamental processes underlying all aspects of fire. Such research shall include scientific investigations of—

(A) the physics and chemistry of combustion processes;

(B) the dynamics of flame ignition, flame spread, and flame extinguishment;

(C) the composition of combustion products developed by various sources and under various environmental conditions;

(D) the early stages of fires in buildings and other structures, structural subsystems and structural components in all other types of fires, including, but not limited to, forest fires, brush fires, fires underground, oil blowout fires, and waterborne fires, with the aim of improving early detection capability;

(E) the behavior of fires involving all types of buildings and other structures and their contents (including mobile homes and high-rise buildings, construction materials, floor and wall coverings, coatings, furnishings,

and other combustible materials), and all other types of fires, including forest fires, brush fires, fires underground, oil blowout fires, and waterborne fires;

(F) the unique fire hazards arising from the transportation and use, in industrial and professional practices, of combustible gases, fluids, and materials;

(G) design concepts for providing increased fire safety consistent with habitability, comfort, and human impact in buildings and other structures;

(H) such other aspects of the fire process as may be deemed useful in pursuing the objectives of the fire research program; and

(I) methods, procedures, and equipment for arson prevention, detection, and investigation;

(2) research into the biological, physiological, and psychological factors affecting human victims of fire, and the performance of individual members of fire services, including—

(A) the biological and physiological effects of toxic substances encountered in fires;

(B) the trauma, cardiac conditions, and other hazards resulting from exposure to fire;

(C) the development of simple and reliable tests for determining the cause of death from fires;

(D) improved methods of providing first aid to victims of fires;

(E) psychological and motivational characteristics of persons who engage in arson, and the prediction and cure of such behavior;

(F) the conditions of stress encountered by firefighters, the effects of such stress, and the alleviation and reduction of such conditions; and

(G) such other biological, psychological, and physiological effects of fire as have significance for purposes of control or prevention of fires; and

(3) operation tests, demonstration projects, and fire investigations in support of the activities set forth in this section.

The Secretary shall insure that the results and advances arising from the work of the research program are disseminated broadly. He shall encourage the incorporation, to the extent applicable and practicable, of such results and advances in building codes, fire codes, and other relevant codes, test methods, fire service operations and training, and standards. The Secretary is authorized to encourage and assist in the development and adoption of uniform codes, test methods, and standards aimed at reducing fire losses and costs of fire protection.

(b) Authorization of appropriations

For purposes of this section, there are authorized to be appropriated an amount not to exceed \$5,650,000 for the fiscal year ending September 30, 1980, which amount includes—

(1) \$525,000 for programs which are recommended in the report submitted to the Congress by the Administrator of the United States Fire Administration pursuant to section 2220(b)(1)¹ of this title; and

¹ See References in Text note below.