

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.)

#### 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 provi-

sion 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)<sup>1</sup> of this title; and

(2) \$119,000 for adjustments required by law in salaries, pay, retirement, and employee benefits.

(Mar. 3, 1901, ch. 872, § 16, as added Pub. L. 93-498, § 18, Oct. 29, 1974, 88 Stat. 1545; amended Pub. L. 94-411, § 1(b), Sept. 13, 1976, 90 Stat. 1254; Pub. L. 95-422, §§ 1(b), 2(b), 3(b), Oct. 5, 1978, 92 Stat. 932, 933; Pub. L. 96-121, § 3, Nov. 16, 1979, 93 Stat. 863.)

#### REFERENCES IN TEXT

Section 2220(b)(1) of this title, referred to in subsec. (b)(1), was repealed by Pub. L. 106-503, title I, § 110(a)(1)(D), Nov. 13, 2000, 114 Stat. 2302.

#### PRIOR PROVISIONS

A prior section 16 of act Mar. 3, 1901, as added by act Mar. 1, 1968, Pub. L. 90-259, title I, § 102, 82 Stat. 35, re-

lated to fire research and safety programs, prior to repeal by act Oct. 29, 1974.

#### AMENDMENTS

1979—Subsec. (b). Pub. L. 96-121 substituted provisions authorizing to be appropriated an amount not to exceed \$5,650,000 for the fiscal year ending Sept. 30, 1980, for provisions authorizing appropriations not to exceed \$1,275,000 for the transitional fiscal quarter of July 1, 1976, through Sept. 30, 1976, not to exceed \$5,500,000 for the fiscal year ending Sept. 30, 1977, not to exceed \$6,000,000 for the fiscal year ending Sept. 30, 1978, and not to exceed \$5,600,000 for the fiscal year ending Sept. 30, 1979, and added pars. (1) and (2).

1978—Subsec. (a). Pub. L. 95-422, §§ 2(b), 3(b), in provisions preceding par. (1) substituted “United States Fire Administration” for “National Fire Prevention and Control Administration” and added par. (1)(I).

Subsec. (b). Pub. L. 95-422, § 1(b), inserted provision authorizing appropriation of not to exceed \$5,600,000 for the fiscal year ending Sept. 30, 1979.

1976—Subsec. (b). Pub. L. 94-411 substituted provisions authorizing to be appropriated not to exceed \$1,275,000 for the transitional fiscal quarter of July 1, 1976, through Sept. 30, 1976, not to exceed \$5,500,000 for the fiscal year ending Sept. 30, 1977, and not to exceed \$6,000,000 for the fiscal year ending Sept. 30, 1978, for provisions authorizing to be appropriated not to exceed \$3,500,000 for the fiscal year ending June 30, 1975, and not to exceed \$4,000,000 for the fiscal year ending June 30, 1976.

#### TERMINATION OF ADVISORY COUNCILS

Advisory councils in existence on Jan. 5, 1973, to terminate not later than the expiration of the 2-year period following Jan. 5, 1973, unless, in the case of a council established by the President or an officer of the Federal Government, such council is renewed by appropriate action prior to the expiration of such 2-year period, or in the case of a council established by the Congress, its duration is otherwise provided by law. See sections 3(2) and 14 of Pub. L. 92-463, Oct. 6, 1972, 86 Stat. 770, 776, set out in the Appendix to Title 5, Government Organization and Employees.

#### COMBINATION OF FIRE RESEARCH AND BUILDING TECHNOLOGY PROGRAMS

Pub. L. 102-245, title I, § 104(g), Feb. 14, 1992, 106 Stat. 11, provided that: “The fire research and building technology programs of the Institute may be combined for administrative purposes only, and separate budget accounts for fire research and building technology shall be maintained. No later than December 31, 1992, the Secretary, acting through the Director of the Institute, shall report to Congress on the results of the combination, on efforts to preserve the integrity of the fire research and building technology programs, on the long-range basic and applied research plans of the two programs, on procedures for receiving advice on fire and earthquake research priorities from constituencies concerned with public safety, and on the relation between the combined program at the Institute and the United States Fire Administration.”

#### NATIONAL COMMISSION ON FIRE PREVENTION AND CONTROL

Pub. L. 90-259, §§ 101, 103, 104, and 201-207, established the National Commission on Fire Prevention and Control, directed the commission to study and investigate measures to reduce the destructive effects of fire throughout the country, and provided that the commission cease to exist thirty days after the submission of its report which was to be made no later than two years after the commission had been organized.

#### EXECUTIVE ORDER NO. 11654

Ex. Ord. No. 11654, Mar. 13, 1972, 37 F.R. 5361, which established in the Department of Commerce the Federal Fire Council and provided for its membership, func-

<sup>1</sup> See References in Text note below.

tions, etc., was revoked by Ex. Ord. No. 12379, §19, Aug. 17, 1982, 47 F.R. 36100, set out as a note under section 14 of the Federal Advisory Committee Act in the Appendix to Title 5, Government Organization and Employees.

### § 278g. International activities

#### (a) Financial assistance to foreign nationals

The Secretary is authorized, notwithstanding any other provision of law, to expend such sums, within the limit of appropriated funds, as the Secretary may deem desirable, through the grant of fellowships or any other form of financial assistance, to defray the expenses of foreign nationals not in service to the Government of the United States while they are performing scientific or engineering work at the Institute or participating in the exchange of scientific or technical information at the Institute.

#### (b) Foreign assistance and compensation to Institute employees

The Congress consents to the acceptance by employees of the Institute of fellowships, lectureships, or other positions for the performance of scientific or engineering activities or for the exchange of scientific or technical information, offered by a foreign government, and to the acceptance and retention by an employee of the Institute of any form of financial or other assistance provided by a foreign government as compensation for or as a means of defraying expenses associated with the performance of scientific or engineering activities or the exchange of scientific or technical information, in any case where the acceptance of such fellowship, lectureship, or position or the acceptance and retention of such assistance is determined by the Secretary to be appropriate and consistent with the interests of the United States. For the purposes of this subsection, the definitions appearing in section 7342(a) of title 5 apply. Civil actions may be brought and penalties assessed against any employee who knowingly accepts and retains assistance from a foreign government not consented to by this subsection in the same manner as is prescribed by section 7342(h) of title 5.

#### (c) Prohibition on use of appropriations inapplicable

Provisions of law prohibiting the use of any part of any appropriation for the payment of compensation to any employee or officer of the Government of the United States who is not a citizen of the United States shall not apply to the payment of compensation to scientific or engineering personnel of the Institute.

#### (d) Recruitment and employment of resident aliens

For any scientific and engineering disciplines for which there is a shortage of suitably qualified and available United States citizens and nationals, the Secretary is authorized to recruit and employ in scientific and engineering fields at the Institute foreign nationals who have been lawfully admitted to the United States for permanent residence under the Immigration and Nationality Act [8 U.S.C. 1101 et seq.] and who intend to become United States citizens. Employment of a person under this paragraph shall

not be subject to the provisions of title 5 governing employment in the competitive service, or to any prohibition in any other Act against the employment of aliens, or against the payment of compensation to them.

(Mar. 3, 1901, ch. 872, §17, as added Pub. L. 96-461, §9, Oct. 15, 1980, 94 Stat. 2051; amended Pub. L. 100-418, title V, §5115(a)(1), Aug. 23, 1988, 102 Stat. 1433; Pub. L. 102-245, title I, §104(h)(2), Feb. 14, 1992, 106 Stat. 11.)

#### REFERENCES IN TEXT

The Immigration and Nationality Act, referred to in subsec. (d), is act June 27, 1952, ch. 477, 66 Stat. 163, as amended, which is classified principally to chapter 12 (§1101 et seq.) of Title 8, Aliens and Nationality. For complete classification of this Act to the Code, see Short Title note set out under section 1101 of Title 8 and Tables.

#### PRIOR PROVISIONS

A prior section 278g, act Mar. 3, 1901, ch. 872, §17, as added Mar. 1, 1968, Pub. L. 90-259, title I, §102, 82 Stat. 35, related to grants to States, local governments, other non-Federal public agencies, and non-profit institutions, reimbursement of Federal agencies, delegation of powers, advance of public moneys, cooperation of Federal agencies, and issuance of rules and regulations, prior to repeal by Pub. L. 93-498, §18, Oct. 29, 1974, 88 Stat. 1545.

#### AMENDMENTS

1992—Subsec. (d). Pub. L. 102-245 added subsec. (d).  
1988—Pub. L. 100-418 substituted “Institute” for “National Bureau of Standards” wherever appearing.

#### EFFECTIVE DATE

Pub. L. 96-461, §11, Oct. 15, 1980, 94 Stat. 2052, provided that: “The effective date of sections 8 and 9 of this Act [enacting this section, amending section 278d of this title, and enacting provisions set out below] shall be October 1, 1980.”

#### CONGRESSIONAL DECLARATION OF PURPOSE

Pub. L. 96-461, §9, Oct. 15, 1980, 94 Stat. 2051, as amended by Pub. L. 100-418, title V, §5115(c), Aug. 23, 1988, 102 Stat. 1433, provided in part that this section was enacted “[i]n order to develop and strengthen the expertise of the National Institute of Standards and Technology in science and engineering, to enhance the Secretary’s ability to maintain the Institute’s programs at the forefront of worldwide developments in science and engineering, and to cooperate in international scientific activities”.

### § 278g-1. Research fellowships and other financial assistance to students at institutes of higher education

#### (a) In general

The Director is authorized to expend funds appropriated for activities of the Institute in any fiscal year, as the Director may deem desirable, for awards of research fellowships and other forms of financial assistance to students at institutions of higher learning within the United States who show promise as present or future contributors to the mission of the Institute, and to United States citizens for research and technical activities on Institute programs. The selection of persons to receive such fellowships and assistance shall be made on the basis of ability and of the relevance of the proposed work to the mission and programs of the Institute.