

Because of his tremendous experience, Dr. Day has been widely sought out to fill advisory roles. In addition to his duties at Fred Hutchinson, Dr. Day has served on a number of influential national boards, including the National Cancer Advisory Board, the President's Cancer Advisory Council and countless peer-review committees. He is also a past president of the national Coalition for Cancer Research and of the American Association of Cancer Institutes.

Dr. Day has become a much respected figure on Capitol Hill. I appreciate the insight he has given me on legislative matters and his role in educating Members of this body on the issues surrounding cancer research. His influence and respect in the business community has helped to make the business community an important partner in cancer research efforts.

Dr. Day is regarded as not only an outstanding administrator and scientist, but as an outstanding human being. There can be no doubt that his passion for fighting cancer comes from the fact that he is a man who genuinely cares about people.

Dr. Day's well-deserved retirement will leave him time to devote to other personal interests. However, even in retirement he will continue to lend his considerable talent as a senior adviser to the center.

While the war against cancer has yet to be won, thanks to Dr. Day's remarkable efforts, much progress has been made. He has my lasting appreciation for his passionate leadership and his unending faith that one day we will win the battle against this terrible disease. He will continue to be an inspiration to those who seek to make his vision a reality.●

BRAVERY IN YACOLT, WA

● Mr. GORTON. Mr. President, I want to recognize an Explorer Scout whose bravery and quick thinking saved the life of his friend. On July 3, 1997, a group of friends went swimming near Sunset Falls in Yacolt, WA. Recent flooding had altered the depth of the water where the friends chose to go diving. Not recognizing the change in depth, Kade Vance dove from a rock into the natural pool below. Moments later, he surfaced in a dead man's float, bleeding from his head. Robby Loomis, a trained Explorer Scout, immediately swam to his friend's aid and turned him on his back to allow him to breathe. Robby conversed with Kade, making sure he remained conscious. Kade indicated he could not feel his legs and that his strength was quickly deteriorating.

For more than 40 minutes, Robby kept Kade afloat in water that was only 60 degrees. Despite his dropping temperature and diminishing strength, Robby helped move Kade closer to shore where the emergency medical team could reach them. Robby used his own body as a shield to protect his injured friend from further damage by

rocks near the shoreline. As a result of Robby Loomis' courageous efforts, and due to his Explorer Scout training, Kade Vance's life was saved. I would like to recognize the bravery and heroism displayed by Robby Loomis and congratulate him on his valiant efforts.●

CLARE JARECKI

● Mr. LEVIN. Mr. President, I rise today to recognize the achievements of a remarkable person from my home State of Michigan, Mr. Clare Jarecki. Clare will be receiving the 1997 Reflection Award, which is given each year by Aquinas College to an individual who reflects the values Aquinas College seeks to impart to its students—commitment, vision, service, loyalty, integrity, and trust.

Clare has been a business and community leader in Grand Rapids, MI, for more than 50 years. He served as president and chairman of the board of Jarecki Corp., which was formed by the merger of Jarecki Products, Inc., and Nichols & Cox Lumber Co. Jarecki Corp. grew to be extremely successful, and was once the largest independent tool and die manufacturer in the world.

The Grand Rapids area contributed greatly to Clare Jarecki's success, and he chose to become involved with a number of organizations dedicated to improving the welfare of the people of Grand Rapids. He has served on the boards of directors of organizations like the YMCA, the Community Chest, the Rehabilitation League and the Greater Grand Rapids Chamber of Commerce, as well as a trustee of Blodgett Memorial Hospital. He was instrumental in the creation of U.S. 131, the north-south expressway, which contributed greatly to the growth and development of Grand Rapids and the surrounding area. Clare has been honored and recognized by both Ferris State University and Michigan State University as a distinguished alumnus.

Throughout his life, Clare Jarecki has endeavored to make his community a better place. In doing so, he embodies the values for which the Reflection Award is conferred. Mr. President, I ask that you, along with my colleagues, join with me in sending congratulations and best wishes to Clare Jarecki on this important occasion.●

EARTHQUAKE HAZARDS ACT AMENDMENTS

The text of S. 910, the bill to authorize appropriations for carrying out the Earthquake Hazards Reduction Act of 1977 for fiscal years 1998 and 1999, and for other purposes, as passed by the Senate on July 31, 1997, is as follows:

S. 910

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,

SECTION 1. AUTHORIZATION OF APPROPRIATIONS.

Section 12 of the Earthquake Hazards Reduction Act of 1977 (42 U.S.C. 7706) is amended—

(1) in subsection (a)(7)—

(A) by striking “and” after “1995.”; and

(B) by inserting before the period at the end the following: “, \$20,900,000 for the fiscal year ending September 30, 1998, and \$21,500,000 for the fiscal year ending September 30, 1999.”;

(2) in subsection (b)—

(A) by striking “and” after “September 30, 1995.”;

(B) by inserting before the period at the end the following: “, \$52,565,000 for the fiscal year ending September 30, 1998, of which \$3,800,000 shall be used for the Global Seismic Network operated by the Agency; and \$54,052,000 for the fiscal year ending September 30, 1999, of which \$3,800,000 shall be used for the Global Seismic Network operated by the Agency.”; and

(C) by adding at the end the following: “Of the amounts authorized to be appropriated under this subsection, at least—

“(1) \$8,000,000 of the amount authorized to be appropriated for the fiscal year ending September 30, 1998; and

“(2) \$8,250,000 of the amount authorized for the fiscal year ending September 30, 1999,

shall be used for carrying out a competitive, peer-reviewed program under which the Director, in close coordination with and as a complement to related activities of the United States Geological Survey, awards grants to, or enters into cooperative agreements with, State and local governments and persons or entities from the academic community and the private sector.”;

(3) in subsection (c)—

(A) by striking “and” after “September 30, 1995.”; and

(B) by inserting before the period at the end the following: “, (3) \$18,450,000 for engineering research and \$11,920,000 for geosciences research for the fiscal year ending September 30, 1998, and (4) \$19,000,000 for engineering research and \$12,280,000 for geosciences research for the fiscal year ending September 30, 1999.”; and

(4) in the last sentence of subsection (d)—

(A) by striking “and” after “September 30, 1995.”; and

(B) by inserting before the period at the end the following: “, \$2,000,000 for the fiscal year ending September 30, 1998, and \$2,060,000 for the fiscal year ending September 30, 1999”.

SEC. 2. AUTHORIZATION OF REAL-TIME SEISMIC HAZARD WARNING SYSTEM DEVELOPMENT, AND OTHER ACTIVITIES.

(a) AUTOMATIC SEISMIC WARNING SYSTEM DEVELOPMENT.—

(1) DEFINITIONS.—In this section:

(A) DIRECTOR.—The term “Director” means the Director of the United States Geological Survey.

(B) HIGH-RISK ACTIVITY.—The term “high-risk activity” means an activity that may be adversely affected by a moderate to severe seismic event (as determined by the Director). The term includes high-speed rail transportation.

(C) REAL-TIME SEISMIC WARNING SYSTEM.—The term “real-time seismic warning system” means a system that issues warnings in real-time from a network of seismic sensors to a set of analysis processors, directly to receivers related to high-risk activities.

(2) IN GENERAL.—The Director shall conduct a program to develop a prototype real-time seismic warning system. The Director may enter into such agreements or contracts as may be necessary to carry out the program.

(3) UPGRADE OF SEISMIC SENSORS.—In carrying out a program under paragraph (2), in order to increase the accuracy and speed of seismic event analysis to provide for timely warning signals, the Director shall provide

for the upgrading of the network of seismic sensors participating in the prototype to increase the capability of the sensors—

(A) to measure accurately large magnitude seismic events (as determined by the Director); and

(B) to acquire additional parametric data.

(4) **DEVELOPMENT OF COMMUNICATIONS AND COMPUTATION INFRASTRUCTURE.**—In carrying out a program under paragraph (2), the Director shall develop a communications and computation infrastructure that is necessary—

(A) to process the data obtained from the upgraded seismic sensor network referred to in paragraph (3); and

(B) to provide for, and carry out, such communications engineering and development as is necessary to facilitate—

(i) the timely flow of data within a real-time seismic hazard warning system; and

(ii) the issuance of warnings to receivers related to high-risk activities.

(5) **PROCUREMENT OF COMPUTER HARDWARE AND COMPUTER SOFTWARE.**—In carrying out a program under paragraph (2), the Director shall procure such computer hardware and computer software as may be necessary to carry out the program.

(6) **REPORTS ON PROGRESS.**—

(A) **IN GENERAL.**—Not later than 120 days after the date of enactment of this Act, the Director shall prepare and submit to Congress a report that contains a plan for implementing a real-time seismic hazard warning system.

(B) **ADDITIONAL REPORTS.**—Not later than 1 year after the date on which the Director submits the report under subparagraph (A), and annually thereafter, the Director shall prepare and submit to Congress a report that summarizes the progress of the Director in implementing the plan referred to in subparagraph (A).

(7) **AUTHORIZATION OF APPROPRIATIONS.**—In addition to the amounts made available to the Director under section 12(b) of the Earthquake Hazards Reduction Act of 1977 (42 U.S.C. 7706(b)), there are authorized to be appropriated to the Department of the Interior, to be used by the Director to carry out paragraph (2), \$3,000,000 for each of fiscal years 1998 and 1999.

(b) **SEISMIC MONITORING NETWORKS ASSESSMENT.**—

(1) **IN GENERAL.**—The Director shall provide for an assessment of regional seismic monitoring networks in the United States. The assessment shall address—

(A) the need to update the infrastructure used for collecting seismological data for research and monitoring of seismic events in the United States;

(B) the need for expanding the capability to record strong ground motions, especially for urban area engineering purposes;

(C) the need to measure accurately large magnitude seismic events (as determined by the Director);

(D) the need to acquire additional parametric data; and

(E) projected costs for meeting the needs described in subparagraphs (A) through (D).

(2) **RESULTS.**—The Director shall transmit the results of the assessment conducted under this subsection to Congress not later than 1 year after the date of enactment of this Act.

(c) **EARTH SCIENCE TEACHING MATERIALS.**—

(1) **DEFINITIONS.**—In this subsection:

(A) **LOCAL EDUCATIONAL AGENCY.**—The term “local educational agency” has the meaning given that term in section 14101 of the Elementary and Secondary Education Act of 1965 (20 U.S.C. 8801).

(B) **SCHOOL.**—The term “school” means a nonprofit institutional day or residential

school that provides education for any of the grades kindergarten through grade 12.

(2) **TEACHING MATERIALS.**—In a manner consistent with the requirement under section 5(b)(4) of the Earthquake Hazards Reduction Act of 1977 (42 U.S.C. 7704(b)(4)) and subject to a merit based competitive process, the Director of the National Science Foundation may use funds made available to him or her under section 12(c) of such Act (42 U.S.C. 7706(c)) to develop, and make available to schools and local educational agencies for use by schools, at a minimal cost, earth science teaching materials that are designed to meet the needs of elementary and secondary school teachers and students.

(d) **IMPROVED SEISMIC HAZARD ASSESSMENT.**—

(1) **IN GENERAL.**—As soon as practicable after the date of enactment of this Act, the Director shall conduct a project to improve the seismic hazard assessment of seismic zones.

(2) **REPORTS.**—

(A) **IN GENERAL.**—Not later than 1 year after the date of enactment of this Act, and annually during the period of the project, the Director shall prepare, and submit to Congress, a report on the findings of the project.

(B) **FINAL REPORT.**—Not later than 60 days after the date of termination of the project conducted under this subsection, the Director shall prepare and submit to Congress a report concerning the findings of the project.

(e) **STUDY OF NATIONAL EARTHQUAKE EMERGENCY TRAINING CAPABILITIES.**—

(1) **IN GENERAL.**—The Director of the Federal Emergency Management Agency shall conduct an assessment of the need for additional Federal disaster-response training capabilities that are applicable to earthquake response.

(2) **CONTENTS OF ASSESSMENT.**—The assessment conducted under this subsection shall include—

(A) a review of the disaster training programs offered by the Federal Emergency Management Agency at the time of the assessment;

(B) an estimate of the number and types of emergency response personnel that have, during the period beginning on January 1, 1990 and ending on July 1, 1997, sought the training referred to in subparagraph (A), but have been unable to receive that training as a result of the oversubscription of the training capabilities of the Federal Emergency Management Agency; and

(C) a recommendation on the need to provide additional Federal disaster-response training centers.

(3) **REPORT.**—Not later than 180 days after the date of enactment of this Act, the Director shall prepare and submit to Congress a report that addresses the results of the assessment conducted under this subsection.

SEC. 3. COMPREHENSIVE ENGINEERING RESEARCH PLAN.

(a) **NATIONAL SCIENCE FOUNDATION.**—Section 5(b)(4) of the Earthquake Hazards Reduction Act of 1977 (42 U.S.C. 7704(b)(4)) is amended—

(1) by striking “and” at the end of subparagraph (D);

(2) by striking the period at the end of subparagraph (E) and inserting “; and”; and

(3) by adding at the end the following:

“(F) develop, in conjunction with the Federal Emergency Management Agency, the National Institute of Standards and Technology, and the United States Geological Survey, a comprehensive plan for earthquake engineering research to effectively use existing testing facilities and laboratories (in existence at the time of the development of the plan), upgrade facilities and equipment as needed, and integrate new, innovative test-

ing approaches to the research infrastructure in a systematic manner.”.

(b) **FEDERAL EMERGENCY MANAGEMENT AGENCY.**—Section 5(b)(1) of the Earthquake Hazards Reduction Act of 1977 (42 U.S.C. 7704(b)(1)) is amended—

(1) by striking “and” at the end of subparagraph (D);

(2) by striking the period at the end of subparagraph (E) and inserting “; and”; and

(3) by adding at the end the following:

“(F) work with the National Science Foundation, the National Institute of Standards and Technology, and the United States Geological Survey, to develop a comprehensive plan for earthquake engineering research to effectively use existing testing facilities and laboratories (existing at the time of the development of the plan), upgrade facilities and equipment as needed, and integrate new, innovative testing approaches to the research infrastructure in a systematic manner.”.

(c) **UNITED STATES GEOLOGICAL SURVEY.**—Section 5(b)(3) of the Earthquake Hazards Reduction Act of 1977 (42 U.S.C. 7704(b)(3)) is amended—

(1) by striking “and” at the end of subparagraph (E);

(2) by striking the period at the end of subparagraph (G) and inserting “; and”; and

(3) by adding at the end the following:

“(H) work with the National Science Foundation, the Federal Emergency Management Agency, and the National Institute of Standards and Technology to develop a comprehensive plan for earthquake engineering research to effectively use existing testing facilities and laboratories (in existence at the time of the development of the plan), upgrade facilities and equipment as needed, and integrate new, innovative testing approaches to the research infrastructure in a systematic manner.”.

(d) **NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY.**—Section 5(b)(5) of the Earthquake Hazards Reduction Act of 1977 (42 U.S.C. 7704(b)(5)) is amended—

(1) by striking “and” at the end of subparagraph (B);

(2) by striking the period at the end of subparagraph (C) and inserting “; and”; and

(3) by adding at the end the following:

“(D) work with the National Science Foundation, the Federal Emergency Management Agency, and the United States Geological Survey to develop a comprehensive plan for earthquake engineering research to effectively use existing testing facilities and laboratories (in existence at the time of the development of the plan), upgrade facilities and equipment as needed, and integrate new, innovative testing approaches to the research infrastructure in a systematic manner.”.

SEC. 4. REPEALS.

Sections 6 and 7 of the Earthquake Hazards Reduction Act of 1977 (42 U.S.C. 7705 and 7705a) are repealed.

APPOINTMENTS BY THE VICE PRESIDENT

The **PRESIDING OFFICER.** The Chair, on behalf of the Vice President, pursuant to Public Law 94-304, as amended by Public Law 99-7, appoints the following Senators to the Commission on Security and Cooperation in Europe: The Senator from Montana [Mr. BURNS], the Senator from Colorado [Mr. CAMPBELL], the Senator from Maine [Ms. SNOWE], and the Senator from Michigan [Mr. ABRAHAM].