

115TH CONGRESS
1ST SESSION

H. RES. 124

Supporting the goals and ideals of Engineers Week.

IN THE HOUSE OF REPRESENTATIVES

FEBRUARY 14, 2017

Mr. LIPINSKI (for himself, Mr. COLLINS of New York, Ms. BORDALLO, Mr. CÁRDENAS, Mr. COSTA, Ms. ESTY, Mr. AL GREEN of Texas, Ms. JACKSON LEE, Ms. EDDIE BERNICE JOHNSON of Texas, Mr. KILMER, Mr. LARSEN of Washington, Mr. MCNERNEY, Mrs. MURPHY of Florida, Ms. NORTON, Mr. PETERS, Ms. ROSEN, Mr. RUSH, Mr. RYAN of Ohio, Mr. SWALWELL of California, Mr. TONKO, and Ms. CLARKE of New York) submitted the following resolution; which was referred to the Committee on Science, Space, and Technology, and in addition to the Committee on Education and the Workforce, for a period to be subsequently determined by the Speaker, in each case for consideration of such provisions as fall within the jurisdiction of the committee concerned

RESOLUTION

Supporting the goals and ideals of Engineers Week.

Whereas engineers employ their scientific knowledge and analytical skills for the betterment of the United States;

Whereas the mission of DiscoverE (formerly the National Engineers Week Foundation) is to sustain and grow a dynamic engineering profession through outreach, education, celebration, and volunteerism as needed to keep the United States a global leader in engineering and engineering education;

Whereas the sponsors of Engineers Week are working together to transform the engineering workforce through greater inclusion of women and underrepresented minorities;

Whereas by engaging young students, parents, and educators in hands-on science, technology, engineering, and math, engineers help them discover how they can make a meaningful difference in the world;

Whereas the partnership between engineers and teachers inspires future generations of engineering and technology talent;

Whereas tens of thousands of engineers and engineering students will serve their communities not only through their work but, at this time of year, by reaching into hundreds of local communities;

Whereas engineers have helped meet the major global challenges of our time, including providing state-of-the-art transportation and information technology infrastructures, enhancing national security, and developing the clean energy technologies needed to power the people of the United States into the future;

Whereas most people in the United States continue to say that the benefits of science outweigh the potential harms, that the Federal Government should fund research, and that “science creates more opportunity for the next generation”, according to the National Science Board’s 2016 Science and Engineering Indicators;

Whereas engineers are a crucial link in research, development, and the transformation of scientific discoveries into useful products and jobs, as the people of the United States look more than ever to engineers and their imagi-

nation, knowledge, and analytical skills to meet the challenges of the future;

Whereas the National Science Board's "Science and Engineering Indicators 2010 and 2012" shows that while the number of students obtaining engineering degrees in the United States has reached an all-time high, the rates for women do not reflect our national demographics, with only 19 percent of Bachelor's degrees in engineering being earned by women;

Whereas the National Science Board's "Science and Engineering Indicators 2016" shows that historically underrepresented racial and ethnic groups, particularly Blacks and Hispanics, continue to display lower S&E participation rates relative to their presence in the U.S. population comprising about 10 percent of workers in S&E occupations;

Whereas the National Science Foundation's National Center for Science and Engineering Statistics report on "Women, Minorities, and Persons with Disabilities in Science and Engineering 2017" shows that women, are closing the gap with men in S&E educational attainment but are still underrepresented in S&E occupations;

Whereas only 4 percent of the Nation's workforce is composed of scientists and engineers, this group disproportionately creates jobs for the other 96 percent;

Whereas DiscoverE has grown into a formal coalition of more than 100 professional societies, major corporations, and government agencies that serves as a hub of engineering outreach dedicated to ensuring a diverse and well-educated engineering workforce, promoting literacy in science, technology, engineering, and math, and raising

public awareness and appreciation of the contributions of engineers to society; and

Whereas February 19, 2017, to February 25, 2017, has been designated as Engineers Week by DiscoverE and the theme is, “Engineers Dream Big”, spotlighting the important contributions of the engineering community to our quality of life now and in the future, especially in the areas of energy, water, and food sustainability: Now, therefore, be it

1 *Resolved*, That the House of Representatives—

2 (1) supports the goals and ideals of Engineers
3 Week to increase understanding of and interest in
4 engineering and technology careers and to promote
5 technological literacy and engineering education;

6 (2) recognizes that engineering education is a
7 critical component of STEM (science, technology,
8 engineering, and mathematics) education and essen-
9 tial to improving the United States educational sys-
10 tem and economic prosperity; and

11 (3) ensures that technological solutions de-
12 signed by the engineering community can be ad-
13 vanced through research, development, standardiza-
14 tion, and innovation.

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