

110TH CONGRESS
2D SESSION

S. RES. 475

Congratulating Iowa State University of Science and Technology on its 150 years of leadership and service to the United States and the world as Iowa's land-grant university.

IN THE SENATE OF THE UNITED STATES

MARCH 6, 2008

Mr. HARKIN (for himself and Mr. GRASSLEY) submitted the following resolution; which was considered and agreed to

RESOLUTION

Congratulating Iowa State University of Science and Technology on its 150 years of leadership and service to the United States and the world as Iowa's land-grant university.

Whereas Iowa State University of Science and Technology was established by the Iowa General Assembly on March 22, 1858, as the Iowa Agricultural College and Model Farm in response to the State of Iowa's desire to provide higher education opportunities to farm families and working classes in Iowa, predating the passage of the Federal Morrill Act by 4 years;

Whereas on September 3, 1862, Iowa became the first State in the Nation to accept the terms and conditions of the

Morrill Act creating the land-grant system of colleges and universities;

Whereas the Iowa Agricultural College and Model Farm, known today as Iowa State University of Science and Technology (Iowa State), received Iowa's land-grant charter on March 29, 1864, making it one of the first land-grant institutions in the Nation;

Whereas Iowa State was a pioneer in all 3 parts of the land-grant mission, including—(1) access to all, regardless of race, gender or social class, being the first land-grant institution to be coeducational from its opening, with 16 women in its first class and later students including future suffragist Carrie Chapman Catt, an 1880 graduate, and George Washington Carver, the first African American student, who earned a bachelor's degree in 1894 and a master's degree in 1896, and was also the institution's first African American faculty member; (2) practical research, establishing the Nation's first Engineering Experiment Station and domestic economy experimental kitchen, and one of the first agriculture experiment stations; and (3) outreach, including some of the earliest land-grant institution outreach activities such as the establishment of the Farmers Institutes in the winter of 1869-70 by Iowa State President Adonijah Welch, and the organization of the Nation's first county Extension Service in 1903 in Sioux County in northwest Iowa by Professor Perry Holden;

Whereas some of the most important technological advancements of the modern world were the result of research at Iowa State, including—(1) the development of hybrid seed corn in the 1920s; (2) pioneering work on soybean oil extraction and producing ethanol from corn and other

plant materials by Professor Orland Sweeney in the 1930s; (3) the invention of the electronic digital computer in the late 1930s by Professor John Atanasoff and graduate student Clifford Berry, whose Atanasoff-Berry Computer was the first to incorporate the 7 basic principles of modern computing; (4) the foundation for the modern plastics industry laid by polyethylene research by Professor Henry Gilman; (5) development of the process still used today to refine pure rare-earth materials, including reactor-grade uranium, by Professor Frank Spedding and Harley Wilhelm, as a result of Iowa State's key role in the Manhattan Project during World War II; (6) development of modern livestock animal genetics by Professor Jay Lush; and (7) the first field-testing of a genetically altered plant (tobacco) in 1987 and genetically altered tree (poplar) in 1989 by Professor Robert Thornburg;

Whereas Iowa State hired one of the first permanent campus artists-in-residence, with sculptor Christian Petersen holding that position from 1934 to 1955 and providing hundreds of sculptures and other art objects to the university, whose Art on Campus collection today includes more than 600 major public works of art;

Whereas Iowa State has had a technology transfer office since 1935, longer than all but one other university in the Nation, and is acknowledged today as a national leader in putting technology to work, being cited as a "model of economic development" and "licensing powerhouse" in a 2007 study commissioned by the National Science Foundation;

Whereas Iowa State University is today spearheading new advances in science and technology, including new mate-

rials, information sciences, green architecture, biological research, and the development of biorenewable fuels and other resources to support the bioeconomy and the Nation's independence from nonrenewable petroleum resources; and

Whereas more than 257,000 degrees have been awarded by Iowa State, and its graduates include heads of State, leaders of industry, great humanitarians, and gifted scientists, whose work has improved the quality of life for people worldwide: Now, therefore, be it

1 *Resolved*, That the Senate—

2 (1) congratulates Iowa State University of
3 Science and Technology on its 150 years of out-
4 standing service to the State of Iowa, the United
5 States, and the world in fulfilling its mission as a
6 land-grant university; and

7 (2) thanks the State of Iowa for its visionary
8 leadership in the beginning of the land-grant move-
9 ment in the United States of America.

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