

**Introduced by Senators Fuller, Allen, Anderson, Bates, Beall, Berryhill, Block, Cannella, De León, Gaines, Galgiani, Glazer, Hall, Hertzberg, Hill, Hueso, Huff, Jackson, Liu, Moorlach, Morrell, Nguyen, Nielsen, Pan, Roth, Runner, Stone, and Vidak**

February 12, 2016

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Senate Resolution No. 60—Relative to California Aerospace Days.

1       WHEREAS, The California aerospace industry is a powerful,  
2 reliable source of employment, innovation, and export income,  
3 directly employing more than 203,000 people in California and  
4 supporting more than 511,000 jobs in related fields resulting in  
5 \$2.9 billion in annual state income tax revenues; and  
6       WHEREAS, The California aerospace industry leads the United  
7 States in aerospace and defense services, including the design and  
8 manufacture of aircraft, spacecraft, and commercial satellites, as  
9 well as a myriad of systems and instruments for search, detection,  
10 navigation, guidance, and radio and television broadcast and  
11 wireless communication systems; and  
12       WHEREAS, California is home to many superb sites of air and  
13 space activity, including Vandenberg Air Force Base, two Federal  
14 Aviation Administration-licensed launch sites, the Mojave Air and  
15 Spaceport, more than 20 astronomical observatories, multiple  
16 international airports, many important defense aerospace bases,  
17 and hundreds of business and general aviation airfields; and  
18       WHEREAS, California is also home to three National  
19 Aeronautics and Space Administration (NASA) research and  
20 engineering centers, the Ames Research Center, the NASA Neil  
21 A. Armstrong Flight Research Center, formerly known as the  
22 Dryden Flight Research Center, and the Jet Propulsion Laboratory  
23 (JPL); and

1 WHEREAS, California has led the nation in aeronautical firsts  
2 and California's aerospace industry produced many of the  
3 significant and record-breaking aircraft that are now represented  
4 in the Smithsonian Institution's National Air and Space Museum.  
5 The Spirit of St. Louis, which in 1927 performed the first solo  
6 nonstop transatlantic flight from New York to Paris, France, was  
7 designed and built in California by Ryan Airlines and made Charles  
8 Lindbergh an international hero. The Douglas DC-3, recognized  
9 as the most successful airliner in history, dominating both  
10 commercial and military air transportation from its introduction  
11 in 1935 until after World War II, was designed and built in  
12 California by the Douglas Aircraft Company. The Space Shuttle  
13 was designed, built, assembled, and tested in California. California  
14 is home to Edwards Air Force Base, the site of five test flights of  
15 the Shuttle Enterprise, the landing site of 54 Space Shuttle  
16 missions, and the site of the 199 X-15 missions; and

17 WHEREAS, Edwards Air Force Base, known for its notable  
18 aeronautical achievements, was the location of many first flights  
19 of American aircraft, shuttles, and experimental jets flown from  
20 Rogers Dry Lake in the Mojave Desert of Kern County. America's  
21 first jet, XP-59A, was first flown in California. General Charles  
22 "Chuck" Yeager made world history in California on October 14,  
23 1947, when he became the first man to fly Mach 1, faster than the  
24 speed of sound, while piloting the Bell X-1 rocket plane. The rocket  
25 powered X-15, flown by former State Senator William J. "Pete"  
26 Knight, attained a speed of Mach 6.7 (4,520 miles per hour), a  
27 speed that remains, to this day, the highest ever attained in a  
28 manned aircraft. The Rutan Model 76 Voyager was the first aircraft  
29 to fly around the world without stopping or refueling; and

30 WHEREAS, California has led the nation in firsts in human  
31 space exploration, including the manufacture of the Apollo 11  
32 command module that carried the first humans to the surface of  
33 our moon; the manufacture and landing of the Space Shuttle  
34 orbiters, the first reusable space vehicles, which include the  
35 Endeavour, on display at the California Science Center; and the  
36 manufacture and recovery of the SpaceX Dragon capsule and  
37 Falcon launch vehicle, the first privately funded space exploration  
38 system. The Space X Dragon cargo spacecraft has made 6  
39 successful commercial cargo resupply flights to the International  
40 Space Station; and

1 WHEREAS, California has led the nation in firsts in robotic  
2 space exploration, including the Explorer 1 Earth observation  
3 satellite as America’s first successful spacecraft, the Mariner 2 as  
4 the first spacecraft to explore another planet, the Viking landers  
5 as the first spacecrafts to perform experiments on another planet,  
6 and the development of the Pioneer 10 spacecraft as the first to  
7 exit our solar system; and

8 WHEREAS, Californians, through NASA and JPL, build,  
9 manage, and operate the majority of the spacecraft exploring our  
10 solar system, including the most recent Mars Science Laboratory  
11 “Curiosity,” and those spacecraft exploring other solar systems,  
12 like the Kepler exoplanet discovery mission, as well as the SOFIA,  
13 the Stratospheric Observatory for Infrared Astronomy, that  
14 administers the Airborne Astronomy Ambassadors program for  
15 educators who have inspired the dreams of California youth; and

16 WHEREAS, Sally Kristen Ride, Ph.D., who was born in  
17 California, stands in history as a pioneer in space exploration and  
18 academia and serves as a role model for others, by virtue of having  
19 been the first American woman and the youngest person to go into  
20 space when she traveled aboard the Challenger spacecraft on June  
21 18, 1983; and

22 WHEREAS, California aerospace industries assemble the  
23 legendary Boeing C-17 Globemaster III, build the impressive  
24 Northrop Grumman Global Hawk Unmanned Aircraft Systems,  
25 engineer radical new aircraft at the famous Lockheed Martin  
26 “Skunk Works” Advanced Development Programs facility, and  
27 create systems that assist and protect members of the Armed Forces  
28 of the United States through military communications, situational  
29 awareness, satellite-guided ordnance, and technologies yet to be  
30 dreamed of; and

31 WHEREAS, Los Angeles Air Force Base, home of the Space  
32 and Missile Systems Center (SMC) since 1962, carries out vitally  
33 important work, including managing research, development, and  
34 acquisition of aerospace technology for military space systems,  
35 and continues to be an irreplaceable economic hub and center of  
36 military space acquisition excellence for the nation; and

37 WHEREAS, California is home to the burgeoning private space  
38 industry with SpaceX and Virgin Galactic having administrative  
39 and manufacturing facilities located in the state and producing the  
40 future spacecrafts that will launch the next generation of military,

1 governmental, scientific, and commercial satellites into space,  
2 resupply the International Space Station, and provide private  
3 citizens the opportunity to travel into space; and

4 WHEREAS, California will continue to lead in aerospace  
5 education, through its superb science, technology, engineering,  
6 and mathematics (STEM) education programs and at its world-class  
7 research universities, and thus will continue to lead the world with  
8 the innovation that enabled advanced meteorological forecasting,  
9 the Global Positioning System, NextGen tools for air traffic  
10 management, green aviation, sophisticated wind tunnels and test  
11 facilities, and advanced supercomputing and robotics; and now,  
12 therefore, be it

13 *Resolved by the Senate of the State of California*, That the Senate  
14 recognizes the contributions of the aerospace industry to the  
15 history, economy, security, and educational system of California,  
16 its communities, and its citizens by proclaiming the days of  
17 February 29, 2016, and March 1, 2016, as California Aerospace  
18 Days; and be it further

19 *Resolved*, That the Secretary of the Senate transmit copies of  
20 this resolution to the author for appropriate distribution.