

AMENDED IN SENATE JUNE 29, 2004

AMENDED IN ASSEMBLY JUNE 1, 2004

CALIFORNIA LEGISLATURE—2003–04 REGULAR SESSION

Assembly Joint Resolution

No. 86

**Introduced by Assembly Member Lieber
(Principal coauthors: Assembly Members Harman, Liu,
Maldonado, and Runner)**

(Principal coauthors: Senators Ashburn, Hollingsworth, and Scott)
**(Coauthors: Assembly Members Benoit, Bermudez, and Levine)
Chavez, Levine, and Mountjoy)**

May 18, 2004

Assembly Joint Resolution No. 86—Relative to space exploration.

LEGISLATIVE COUNSEL'S DIGEST

AJR 86, as amended, Lieber. Space exploration.

This measure would request that the Congress and the President of the United States enact and fully fund the proposed budget for space exploration for the federal 2005 fiscal year to enable the United States, and California, in particular, to remain a leader in the exploration and development of space.

Fiscal committee: no.

- 1 WHEREAS, The United States is a nation of explorers; and
- 2 WHEREAS, Exploration and discovery have been especially
- 3 important to the American experience, providing vision, hope, and
- 4 economic stimulus, from new world explorers and American
- 5 pioneers to the Apollo program; and

1 WHEREAS, Just as Lewis and Clark could not have predicted
2 the settlement of the American west within a hundred years of the
3 start of their famous 19th century expedition, the total benefits of
4 a single exploratory undertaking or discovery cannot be predicted
5 in advance; and

6 WHEREAS, The desire to explore is part of our character, and
7 history has shown that space exploration benefits all humankind
8 through new technologies for everyday application, new jobs
9 across the entire economic enterprise, economic contributions
10 through new markets and commercial products, education and
11 inspiration, United States leadership, increased security, and a
12 legacy for future generations; and

13 WHEREAS, New technologies and commercial spin-offs from
14 the advancements made through National Aeronautics and Space
15 Administration (NASA) programs have provided economic
16 expansion and improved life quality to residents not only within
17 the United States but worldwide, and some of these technologies
18 include the following:

19 (a) Image processing used in CT scanners and MRI technology
20 came from technology developed to computer-enhance pictures of
21 the moon for the Apollo program.

22 (b) Kidney dialysis machines were developed as a result of a
23 NASA-developed chemical process, and insulin pumps were
24 based on technology used on the Mars Viking spacecraft.

25 (c) Programmable heart pacemakers were first developed in the
26 1970's using NASA satellite electrical systems.

27 (d) Fetal heart monitors were developed from technology
28 originally used to measure airflow over aircraft wings.

29 (e) Surgical probes used to treat brain tumors resulted from
30 special lighting technology developed for plant growth
31 experiments on space shuttle missions.

32 (f) Infrared hand-held cameras used to observe atmospheric
33 gas plumes in space from the space shuttles have helped
34 firefighters point out hot spots in wild fires; and

35 WHEREAS, This state has been a leader in the research, design,
36 exploration, and development of space enterprise since the dawn
37 of the space age; and

38 WHEREAS, Space is a \$24.2 billion enterprise in this state and
39 generates 133,000 direct and indirect jobs scattered throughout the
40 entire state; and



1 WHEREAS, Our nation’s new vision for space exploration
2 charts a new, building block strategy to explore destinations across
3 our solar system with robots and humans, allowing our nation to
4 remain competitive in the new industry of space commerce; and

5 WHEREAS, The research and development necessary to rely
6 on the initial robotics goal is uniquely suited for the three NASA
7 centers located in our state; and

8 WHEREAS, The three NASA centers in this state—Ames
9 Research Center in Santa Clara County, Dryden Flight Research
10 Center in ~~the~~ Antelope Valley, and the Jet Propulsion Laboratory
11 in ~~Pasadena~~—*La Cañada Flintridge* jointly employ over 7,250
12 people and maintain a payroll in excess of \$300 million; and

13 WHEREAS, NASA’s economic benefit to this state already tops
14 \$3 billion annually, including over \$175 million worth of science
15 and engineering grants to California’s public and independent
16 universities, and the proposed vision for space exploration is
17 expected to strengthen this economic impact; now, therefore, be it

18 *Resolved by the Assembly and Senate of the State of California,*
19 *jointly,* That the Congress and the President of the United States
20 is requested to enact and fully fund the proposed budget for space
21 exploration, as submitted to the Congress in the federal 2005 fiscal
22 year budget, to enable the United States and California, in
23 particular, to remain a leader in the exploration and development
24 of space; and be it further

25 *Resolved,* That the Chief Clerk of the Assembly transmit copies
26 of this resolution to the President and Vice President of the United
27 States, to the Speaker of the House of Representatives, to the
28 Majority Leader of the Senate, and to each Senator and
29 Representative from California in the Congress of the United
30 States.

