

By: Tina

# From AEDC to the moon

As America celebrates the 30<sup>th</sup> anniversary of its “one small step for man, one giant leap for mankind,” the Arnold Engineering Development Center family is proud of its role in that historical event.

That role began long before the first American was launched into space. In the late 1950s, Arnold center began tests supporting the Mercury “man in space” program preceding man’s walk on the moon. Throughout the next decade, extensive aerospace studies continued, laying the foundation for man’s journey to space.

During this period, AEDC conducted some 55,000 hours of testing in 25 of the center’s 40 test facilities directly supporting the Apollo “man-on-the-moon” program. This included more than 3,300 hours of wind tunnel testing and represented more than 35 percent of all of NASA’s wind tunnel testing for the Apollo program. AEDC’s unique rocket test chambers also



*Early Space Shuttle design*

## ... and beyond



*AEDC technicians check out J2 engine*



*Apollo mission*



*Apollo capsule*



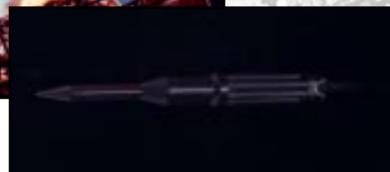
*Apollo capsule and service*



*Space Shuttle main tank*



*The X-33 Venture Star single stage to*



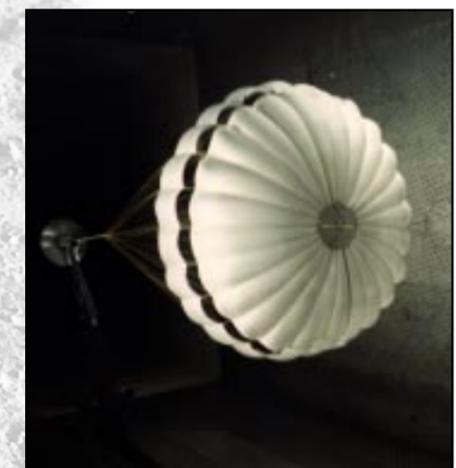
*1960 Saturn rocket design*



*Saturn V/Apollo wind tunnel model*



*Arc heater reentry materials test*



*European Huygens Space*