I would like to personally thank you for watching the Origins program. Origins was a special program, near to the heart of my late husband, Russell Bixler.

I trust that the information in this presentation will be helpful in your study of creation science. Thank you for your prayerful and financial support of Origins... you’re making the television production of this program possible.

Norma Bixler
Gross Properties of Mars

- 53% the size of Earth
- 11% the mass of Earth
- 39% the gravity of Earth
- 52% farther from the sun
- $24^\circ$ tilt of its axis (seasons)
- $24^h\ 37^m$ rotation period
- Conclusion: many similarities with Earth
Percival Lowell (1855-1916)

- Saw canals on Mars
- Polar ice caps are visible on Mars
- No bodies of water – desert planet
- Saw color changes on Mars
- Conclusion: a race superior to man on Mars built canals on Mars to transport water for agriculture
Reality

- Mariner 4 flyby in 1965 revealed a cratered world.
- Additional flyby in 1967
- Orbiters in 1969 and 1971
- Two landers and orbiters in 1976
- Pathfinder and Sojourner in 1997
- Spirit and Opportunity last year
Reality

- Atmospheric is less than 1% that of the Earth (same pressure 30 km above the Earth’s surface)
- Very cold
  - Surface temperature can briefly exceed freezing
  - Air temperature is always far below freezing
- Very little water – none liquid
Water Was Once Abundant on Mars

- River channels reveal extensive erosion
  - Some due to catastrophic floods
  - Some from meandering drainage of nearly flat land
- Features that look like shorelines suggest bodies of water in the past
Why Look For Life on Mars?

- If life evolved on Earth, then it ought to have evolved elsewhere.
- In recent years we have found organisms on Earth living in hostile environments.
- Many scientists now think that life originated in these hostile environments.
- Most think that life does not exist on Mars today – look for fossils.
A Brief Look at Venus

- Venus has similar size, mass, and density to earth
- Atmosphere is very different from earth’s
  - 90 times more pressure
  - Extreme greenhouse effect (very hot)
- Continent-like features on Venus
Evidence of Catastrophic Plate Tectonics on Venus

- Craters on Venus are sparse and uniformly spaced
- Craters on Venus are uniformly worn
- This suggests that entire surface was re-worked during a short time in the past
A Comparison of Worlds

- Venus is hostile to life
  - Too hot
  - Atmosphere too dense and wrong composition
- Mars is hostile to life
  - Too cold
  - Atmosphere too thin and wrong composition
- Is distance from sun the key?
  - Moon has no life either
A Comparison of Worlds

- Mars once had a large flood or floods
- Venus had catastrophic plate tectonics
- Creationists believe the earth was flooded
- Some creationists believe that the flood was caused by catastrophic plate tectonics (CPT)
Conclusion

- Both Mars and Venus show how special the earth is.
- Both Mars and Venus reveal processes that creationists suggest happened on the earth during the flood.
Conclusion

- Both Mars and Venus show how special the earth is
- Both Mars and Venus reveal processes that creationists suggest happened on the earth during the flood
"Universe By Design"
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