



NASA's New Exploration Initiative:
To the Moon, Mars and Beyond

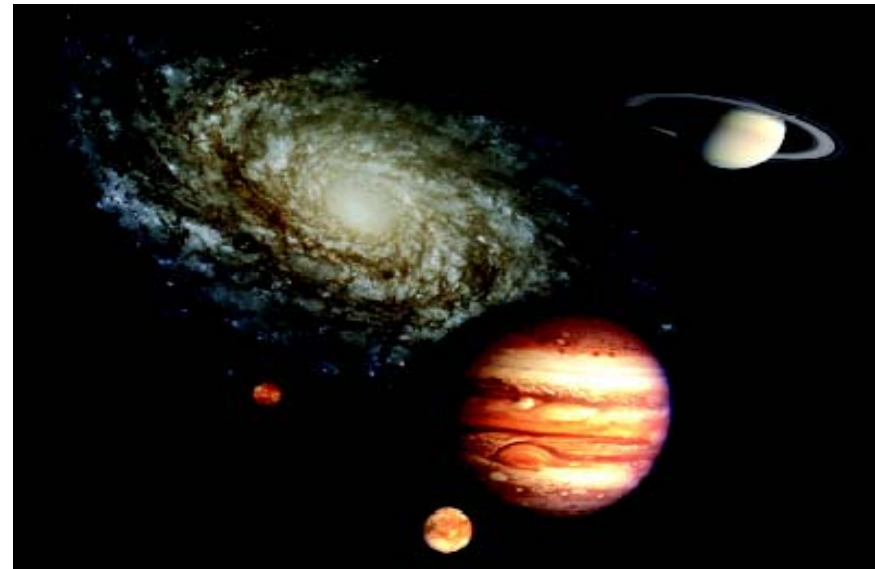
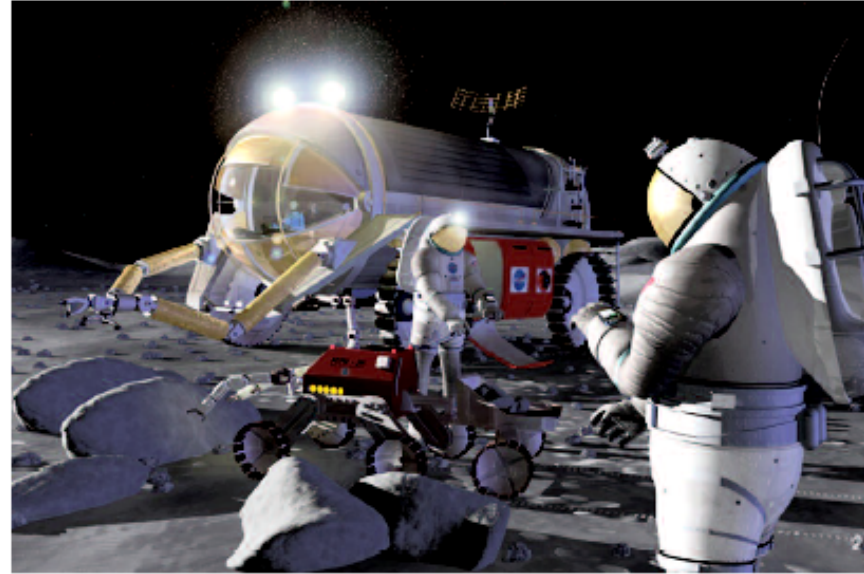
Frank Bauer, KA3HDO
ARISS Chairman

ARISS Meeting at ESA ESTEC
27 March 2004



Background

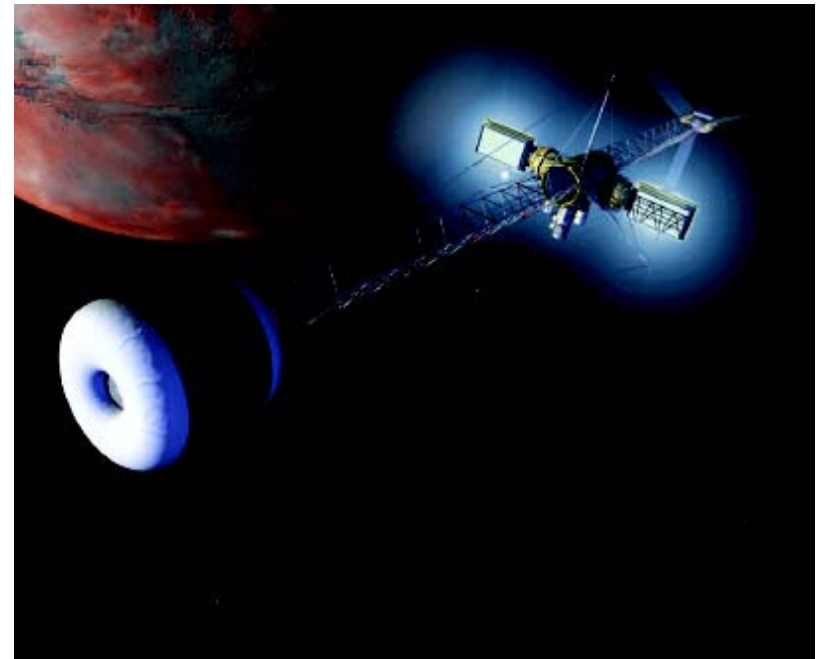
- On January 14, 2004, US President Bush proclaimed a new exploration initiative for NASA---go to the Moon by 2020, Mars next and beyond Mars later
- NASA working on architecture and funding for new initiative
 - Tentative plans include completing ISS development by 2010, ending Shuttle flights by 2010 and re-directing other funding to exploration priorities





Current Initiatives

- Some of ARISS USA team currently participating in exploration initiative
 - Frank Bauer on the NASA “Blue Team” to develop requirements and flesh out architecture
 - Debbie Brown-Biggs has requested Rosalie White and Frank Bauer to develop tentative plans/ideas for the role of amateur radio in the exploration initiative





Future Plans

- ARISS team needs to strategize on whether to endorse (participate) in the Exploration initiative
- If agree to participate, long term strategies on ensuring Amateur Radio's place in the Exploration Initiative are required
 - Repeater on the moon?
 - Mars telecom satellite?
 - Hamsats at Moon-Earth libration point?
 - Audio? Video? Astronaut psych ops support?
- The challenges will be high due to the long path lengths
- The time to decide and act is NOW, while interest within NASA is high
- ARISS---What is your opinion?

