Exploration Breakout Group

Shigeru Aoki, Shimizu Corp

Dan Bland, JAMSS America, Inc

Douglas Craig, NASA

Robert Fox, PISCES

Robin Issaco, Lockheed Martin

Osamu Odawara, Tokyo Inst of Tech

Mitsuru Ohnishi, Japan Aerospace Exploration Agency

Chris Pestak, Battelle

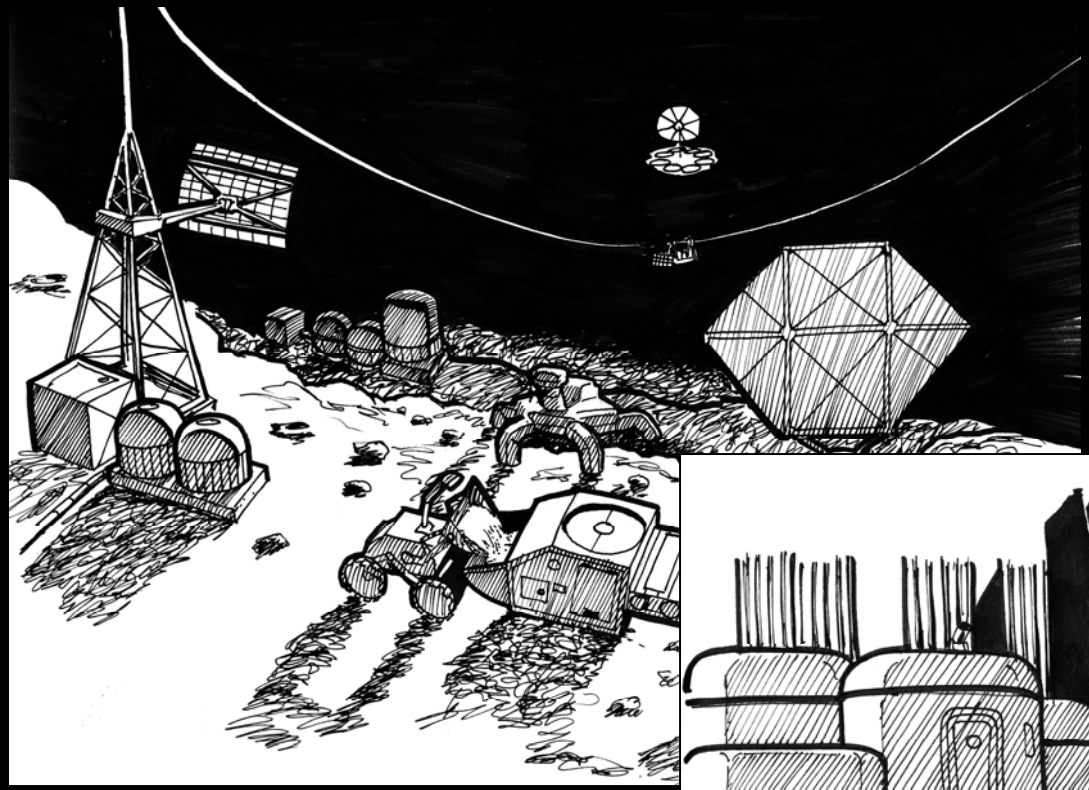
Frank Schowengerdt, PISCES

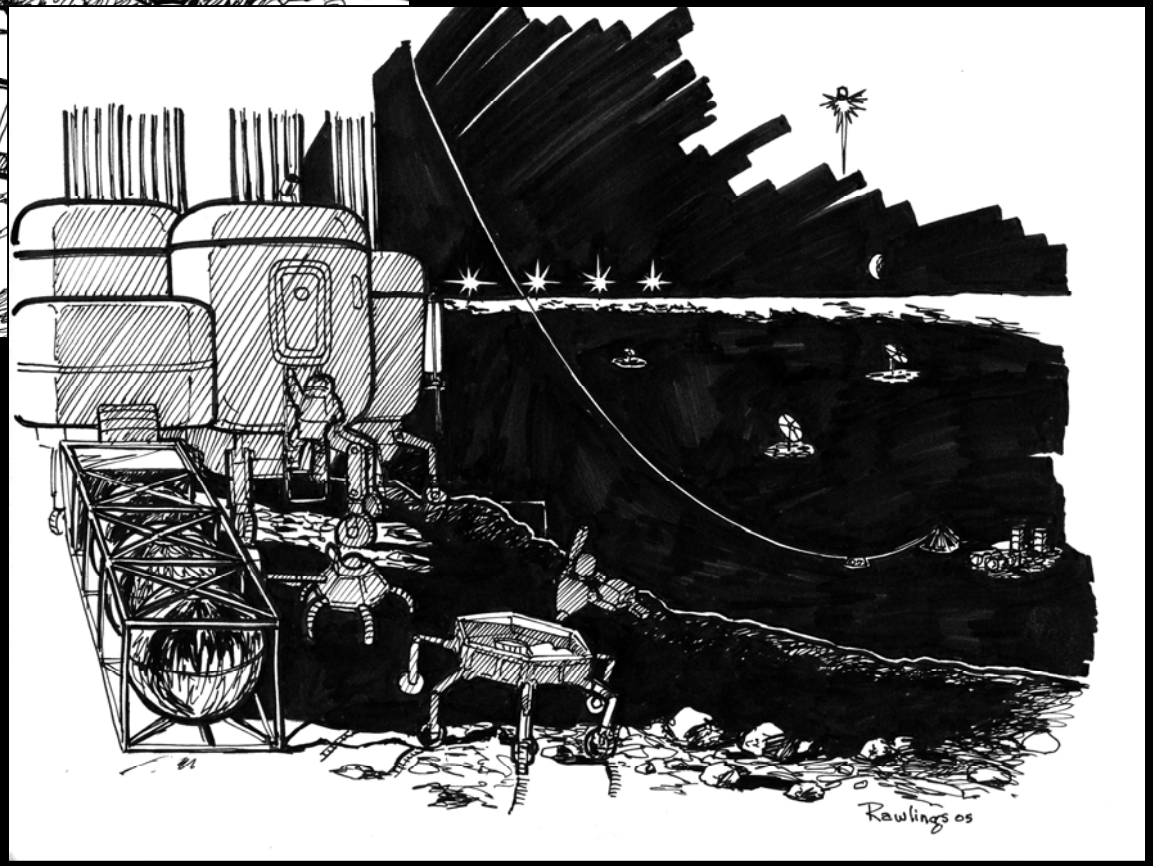
Shu Usuba, National Institute of Advanced Industrial Science and Technology

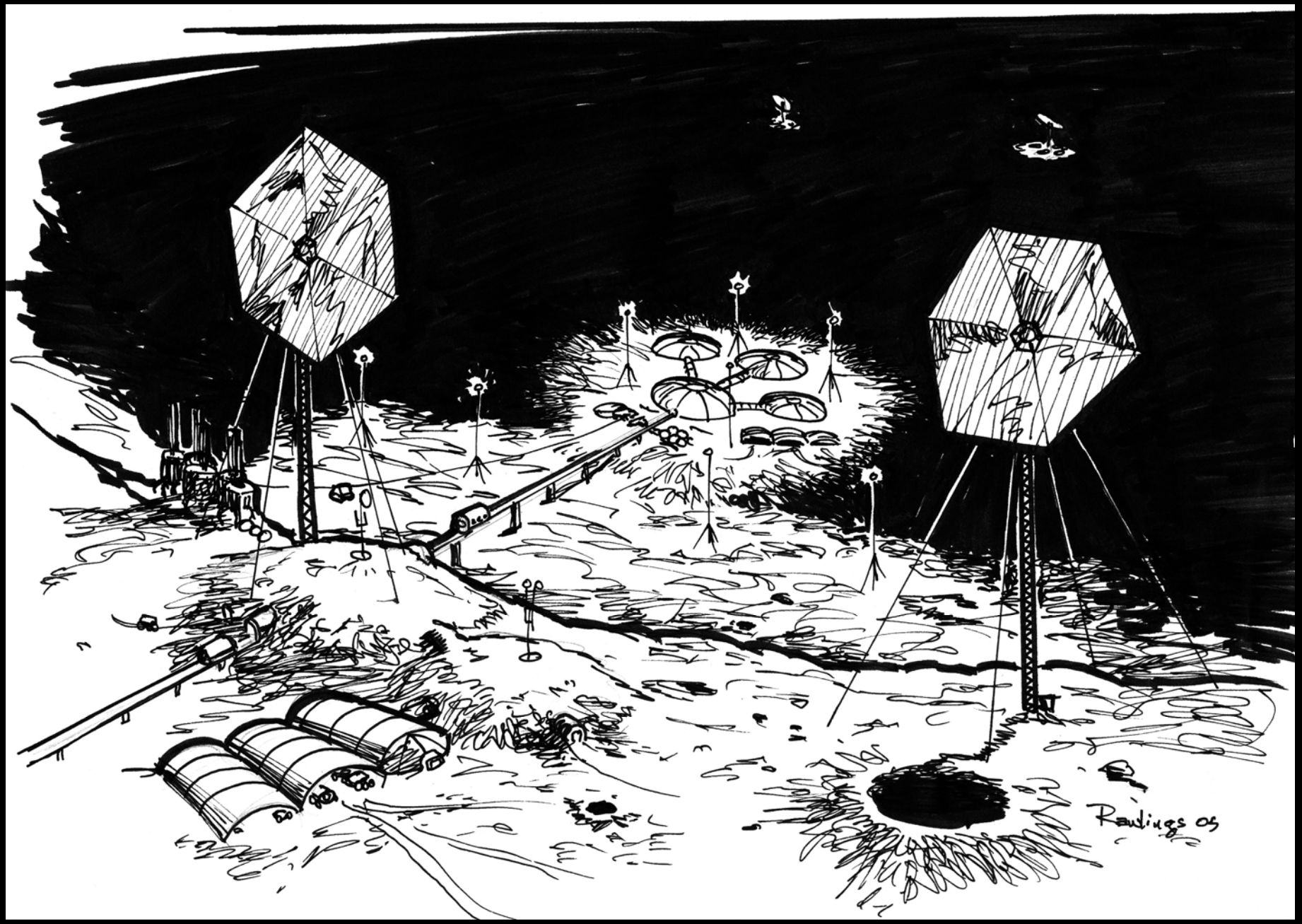
Robert Wegeng, Battelle

Galina Xanthopoulou, Demokritos National Center for Scientific Research

Rawlings '05




Rawlings 05


Rawlings 05

Exploration Breakout Group Possible Projects: Content

- Lunar Thermal Wadis (Leaders: Wegeng [USA)], Aoki [Japan, Acting] Xanthopoulou [Greece])
  - Overnight survival of robots
    - The making of a thermal mass (multiple methods)
    - The building of a Thermal Wadi (at PISCES)
    - Rovers that use and/or build Thermal Wadis
  - Student telerobotic demonstration(s)
    - Expanding upon current Japanese Student robotic activity (Sanritz Automation)
    - Demonstrations and/or competitions at PISCES (Japanese, USA and others)
    - Classroom participation (year-round)
  - Student studies on the evolution of Thermal Wadis and Lunar Settlements

- Advanced Life Support
  - Mitsuru Ohnishi to consult with colleagues, report back on whether JAXA believes there is a project opportunity

Exploration Breakout Group

Possible Projects: Possible Funding Sources

- Lunar Thermal Wadis
  - Japanese funding organizations
  - NASA
    - ESMD Advanced Capabilities Division
    - ESMD Division Integration Office (DIO)
    - NASA Hawaii Space Act Agreement

- Advanced Life Support