Current Psychological Support for US astronauts on the International Space Station

Walter Sipes, PhD
Johnson Space Center
Edna Fiedler, PhD
National Space Biomedical Research Institute
Not a place to get confused...
Operational Psychology

- Psychological services and mission preparation for astronauts and their families
- Family Support before & during missions
- Conduct select-in portion of astronaut selection
  - Develop & validate criteria for selecting long duration crewmembers and test subjects.
Operational Psychology

- **Preflight Training**
  - Briefings – astronauts & families

- **In-flight Resources**
  - Communication (PFCs, Ham, IP Phone, Video Conf., E-mail)

- Crew Care Packages

HAM Equipment for ISS

PFC videoconferencing
Operational Psychology

- More In-flight Resources
  - Psych Support Hardware
    (DVD viewer, guitar, keyboard, etc)
  - Crew Care Packages
  - Recreational materials
    (movies, s/w, books, music)
  - Personal video/photo uplinks
  - News & Info uplinks
  - Postflight debriefs and readaptation support
Operational Psychology

- Training for long duration missions
  - Briefings, Expedition Trng. Seminar series.
  - Field training (NOLS, Cold Wx Survival, Aquarius, etc.)
  - Conflict management, leadership/followership skills, team issues, individual strategies, cultural awareness, etc.

Winter Survival Training for 1st ISS Expedition Crew

Team Training with LMLSTP
90-day test subjects
NASA Extreme Environment Mission Operation (NEEMO)

1-2 week analog missions in an underwater habitat

BHP provides PFCs
NASA is working from a new perspective...