

# INTERNATIONAL ACADEMY OF ASTRONAUTICS

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## **IAA Study Group: Psychology and Culture in Long-Duration Space Missions: Minutes of Third Meeting**

**Date: Monday, November 10, 2003**

Venue: Institute of Biomedical Problems 40th Anniversary Conference: Living Beings and Environment: Adaptation to Extreme Conditions, **Moscow**, Russia.

Acting Chair and Secretary: Jennifer Boyd Ritsher

Attendees: Vyacheslav Pavlovich Salnitskiy, Olga Petrovna Kozerenko, Vadim Igorevich Gushin (and via e-mail, Nick Kanas).

1. Review of materials from previous meetings and subsequent emails to date.

2. Dr. Salnitskiy discussed aspects of human performance research conducted in Russia that have not been widely published in English, and volunteered to write them up for this group. More specifically, he will review the area of docking simulation and decrements in performance during flight. He will prepare a few pages and send them to Dr. Manzey by the end of February. Dr. Salnitskiy will contribute mainly to the Cognition and Complex Performance Skills (Manzey) subcommittee.

3. Dr. Kozerenko discussed the importance of using qualitative analysis of actual events and crew-ground communication during missions, in addition to psychological assessment measures. Further, she stressed the importance of validating measures for this population and using a multimethod approach to studying psychological issues. She believes that this is especially important for studying international missions, and that methodology and theory from each involved culture should inform the work. She volunteered to review the measures that she knows about that have been used on the Russian side, and to provide Drs. Gushin and Ritsher with comments on their utility and validity. Dr. Ritsher will include this information in the draft to be written by the Mental Health and Psychopathology (Kanas) subcommittee.

4. Dr. Gushin discussed his plans for the Social, Interpersonal, and Group Functioning subcommittee. Dr. Gushin intends to ask Drs. Sandal, Musson, and Rosnet to send contributions by the end of February. He would like each to send a draft in which they review both their own work as well as others' work that they consider central to their current understanding of the topic of the behavior of international groups in space and in analog environments. Dr. Gushin will write up a similar review and then distribute all four reviews to the subcommittee for discussion. The next step would be integrating them into a joint draft.

5. Next steps.

a) Subcommittees will continue to recruit members, to meet on an ad hoc basis, and to draft their sections of the report.

b) Upcoming face-to-face meetings of the full committee scheduled for AsMA (Anchorage, May 2004), and IAA (Vancouver, October 2004).

Please direct any comments or questions regarding the study group to Dr. Ritsher : [ritsher@itsa.ucsf.edu](mailto:ritsher@itsa.ucsf.edu)