

## **Program: 6<sup>th</sup> NASA Symposium on The Role of the Vestibular Organs in the Exploration of Space**

### Monday, September 30, 2002

3:00-5:00 p.m.	Registration, Benson Hotel
4:00-5:00 p.m.	Social
5:00-6:00 p.m.	Welcome and Conference Overview [F. Owen Black]
7:00-10:00 p.m.	Festschrift Dinner honoring Laurence R. Young, Oregon Museum of Science and Industry (OMSI)

### Tuesday, October 1, 2002

8:00-8:30 a.m.	Welcome and Opening Ceremony Keith Marton, Senior Vice President and Chief Medical Officer, Legacy Health Systems Anthony Melaragno, Chief of Research, Legacy Health Systems
8:30-9:30 a.m.	<b>Opening Lecture N1.1, Micro-gravity and artificial gravity: Two challenges to neuro-vestibular adaptation [Laurence R. Young]</b>
9:30-9:45 a.m.	Coffee Break
9:45-12:00 n.	<b>Festschrift Papers in honor of Laurence R. Young, Apollo Professor of Astronautics, Massachusetts Institute of Technology [Friends and Students of Dr. Young] Organized and Chaired by Charles M. Oman</b>
12:00-1:00 p.m.	Lunch
1:00-5:00 p.m.	<b>History of the Vestibular Organs in Space Flight [Chairs: Millard Reschke and Robert Kennedy]</b>
1:00-3:00 p.m.	Presentations N1.2-N1.6
3:00-3:15 p.m.	Coffee Break
3:15-5:00 p.m.	Presentations N1.7-N1.13
5:00-7:00 p.m.	Social and Student Poster Viewing Student Poster Competition organized and chaired by Larry Young and Conrad Wall

Wednesday, October 2, 2002

**Session 2**  
**Neurobiology, Neuroanatomy, and**  
**Neurotransmitters**  
**Chairs: Muriel Ross, Charles Fuller**

**Session 3**  
**Theoretical Considerations**

**Chairs: Gin McCollum, Dan Merfeld**

8:00-8:15 a.m. Chair Introduction and Session Overview

8:15-9:45 a.m. Keynote Lectures  
 Presentations N2.1-N2.3 Presentations N3.1-N3.3

9:45-10:45 a.m. Coffee Break and Poster Viewing

10:45-12:00 n. Submitted Papers  
 Presentations N2.4-N2.8 Presentations N3.4-N3.8

12:00-1:00 p.m. Lunch

**Session 4**  
**Neurophysiology**  
**Chairs: Richard Boyle, Dora Angelaki**

**Session 5**  
**Clinical Issues and Flight Crew Perspectives**  
**Chairs: Jonathan Clark, Laurel Clark**

1:00-1:15 Chair Introduction and Session Overview

1:15-2:45 p.m. Keynote Lectures  
 Presentations N4.1-N4.3 Presentations N5.1-N5.3

2:45-3:45 p.m. Coffee Break and Poster Viewing

3:45-5:00 p.m. Submitted Papers  
 Presentations N4.4-N4.8 Presentations N5.4-N5.8

**Banquet**

7:00-7:30 p.m. Cocktails

7:30-8:30 p.m. Banquet

8:30-10:00 p.m. Program, including Student Poster Competition awards, special thanks,  
 other recognitions and awards

Master of Ceremonies: F. Owen Black

Thursday, October 3, 2002

**Session 6**  
**Spatial Orientation and Psychophysics**  
**Chairs: Don Parker, Charles M. Oman**

**Session 7**  
**Motor Integration and Adaptation**  
**Chairs: Alain Berthoz, Jacob Blumberg**

8:00-8:15 a.m. Chair Introduction and Session Overview

8:15-9:45 a.m. Keynote Lectures  
Presentations N6.1-N6.3 Presentations N7.1-N7.3

9:45-10:45 a.m. Coffee Break and Poster Viewing  
10:45-12:00 n. Submitted Papers  
Presentations N6.4-N6.8 Presentations N7.4-N7.8

12:00-1:00 p.m. Lunch

**Session 8**  
**Autonomic Function and**  
**Space Motion Sickness**  
**Chairs: Charles Markham, Todd Schlegel**

**Session 9**  
**Countermeasures and Rehabilitation**  
**Chairs: Jeffrey Sutton, Inessa Kozlovskaya**

1:00-1:15 Chair Introduction and Session Overview  
1:15-2:45 p.m. Keynote Lectures  
Presentations N8.1-N8.3 Presentations N9.1-N9.3

2:45-3:45 p.m. Coffee Break and Poster Viewing  
3:45-5:00 p.m. Submitted Papers  
Presentations N8.4-N8.8 Presentations N9.4-N9.8

5:00-5:15 p.m. Break  
5:15-6:00 p.m. Closing Ceremony  
F. Owen Black and others