# Aerospace Medicine and Human Performance

FEBRUARY 2020 VOLUME 91 NUMBER 2

## PRESIDENT'S PAGE

63 Fellowship in Perspective H. J. Ortega, Jr.

## **RESEARCH ARTICLES**

- **65** The Magnitude of the Spatial Disorientation Problem in Transport Airplanes *R. L. Newman and A. H. Rupert*
- 71 Motion Sickness Predictors in College Students and Their First Experience Sailing at Sea X. Zhang and Y. Sun
- **79** Medical Cases Adjudicated by the Transportation Appeal Tribunal of Canada: 2000–2018 C. Brooks and C. MacDonald
- **Social Acceptance of Increased Usage of the Ballistic Parachute System in a General Aviation Aircraft** *J. Kirby*

#### **REVIEW ARTICLE**

91 Optic Nerve Tortuosity on Earth and in Space R. A. Scott, W. J. Tarver, T. J. Brunstetter, and E. Urquieta

#### SHORT COMMUNICATIONS

- **98 Critical Care Transport Time Differences Between Ground, Helicopter VFR, and Helicopter IFR Transports** *T. H. Kamine, L. Thomas, C. Davis, and J. Cohen*
- 102 Whole Body Fat Free Mass and Vo<sub>2peak</sub> in Recreationally Active Men and Women C. P. Lambert

#### **CASE REPORTS**

- **106 High-Altitude Decompression Sickness Treated with Hyperbaric Therapy and Extracorporeal Oxygenation** J. Siewiera, P. Szałański, D. Tomaszewski, and J. Kot
- **110** Mild Hypoxia of a Skydiver Making Repeated, Medium-Altitude Aircraft Exits B. S. Bradke and B. R. Everman

### FEATURES

- 116 You're the Flight Surgeon—A. M. Flower
- 119 This Month in Aerospace Medicine History: February—W. W. Dalitsch III