

Newman Is Incoming Editor-in-Chief

Prof. David Newman, AM, M.B., B.S., D.Av.Med., MBA, Ph.D., Hon. FRAeS, FAsMA, FACAsM, FAICD, FRSM, is the incoming Editor-in-Chief for *Aerospace Medicine and Human Performance*.



His distinguished service to aerospace medicine as a researcher, educator, and flight safety advocate spans more than 30 years. He has taught thousands of civilian and military doctors, pilots, and accident investigators around the world in aerospace medicine and human factors. He has conducted significant, unique, and award-winning research with over 100 publications, including 2 textbooks. He has been an expert consultant to 26 accident investigations in 4 countries involving

a range of aircraft types from light aircraft to commercial jet airliners. In recognition of his extensive and significant contributions to aerospace medicine, Prof. Newman was admitted to Honorary Fellowship of the Royal Aeronautical Society in 2020. He is the first aerospace physician to receive this honor, conferred on those whose careers, leadership, inspiration, and impact mark them out as among the most eminent and influential aerospace professionals of their generation.

Dr. Newman is Visiting Professor of Aerospace Medicine at King's College London. An internationally recognized aerospace medicine researcher, his widely cited research covers the full spectrum of aerospace physiology, clinical aerospace medicine, aerospace biomechanics, and flight safety. He is an authority on the effects of G force in pilots, having published extensive research on G-related issues, including his two textbooks: "Flying Fast Jets" and "High G Flight." Prof. Newman is actively involved in air accident investigations and his specialist expertise has been sought by several international investigative agencies. In 2020, he was a member of the expert review panel for a UK inquiry into G-related cognitive impairment. He has dedicated his career to improving human performance in flight and enhancing flight safety.

Prof. Newman holds a medical degree from Monash University, a Ph.D. from the University of Newcastle, an MBA from Deakin University, and a Diploma in Aviation Medicine from the Royal College of Physicians of London. He is a qualified USAF Flight Surgeon and a pilot with flying experience in a range of civilian and military aircraft, including the F/A-18 Hornet, the Hawk T1, and the Harrier.

Upon graduating from the Faculty of Medicine at Monash University in 1989, Prof. Newman entered full-time service in the Royal Australian Air Force (RAAF). His career as a military medical officer and aviation medicine specialist included 3 years in support of tactical fighter operations. In that capacity, he regularly flew with

all four on-base fighter squadrons. In October 1994, he was called upon to help rescue and recover two fighter pilots who had ejected following a mid-air collision. In 1995, he was posted to the United States and undertook the USAF Flight Surgeon training program. In 1997, he was selected to undertake an RAF exchange posting in the United Kingdom, where he completed the Diploma in Aviation Medicine and won the Stewart Prize for the best student. He then stayed in the United Kingdom for another 7 months as an aviation medicine instructor, where he taught aviation medicine to RAF aircrew. His final posting was 2 years as the Chief Instructor at the RAAF Institute of Aviation Medicine, where he was responsible for the training of all Australian Defence Force aircrew and medical officers in aviation medicine. During his tenure as Chief Instructor, he was the Australian representative for several international working parties of the 5-nation Air Standardization Coordination Committee.

After leaving the RAAF in 2000, Prof. Newman founded the Aviation Medicine Unit at Monash University, where he later became Professor of Aviation Medicine. In that capacity he developed, coordinated, and taught a range of aerospace medicine courses. In 2020, he was appointed to his current role as Visiting Professor of Aerospace Medicine at King's College London.

In addition to his academic work, Prof. Newman is the founder and Managing Director of Flight Medicine Systems Pty Ltd, a globally focused company which has been providing highly specialized aerospace medicine research, training, consultancy, and accident investigation services for over 23 years. He has provided high-level consulting and advisory services to various national and international government agencies, regulatory bodies, airlines, and corporate entities in over 25 countries.

Prof. Newman has been a long-standing reviewer and member of the Editorial Board of *Aerospace Medicine and Human Performance*, and he is a reviewer for multiple international peer-reviewed journals, including *Anaesthesiology*, *Autonomic Neuroscience*, and *Occupational & Environmental Medicine*. He was also Chair of a University Human Research Ethics Committee for 15 years.

Prof. Newman's many international awards include the Stewart Memorial Prize from the RAF School of Aviation Medicine in 1997, the Royal Aeronautical Society's 2000 Buchanon-Barbour Award, and the Aerospace Medical Association's 2000 Arnold Tuttle Award, the 2014 John Paul Stapp Award, and the 2021 Louis H. Bauer Founders' Award. In 2022, he received the University of Newcastle's Alumni Medal for Professional Excellence and, in 2023, he received a Deakin University Alumni of the Year award. He was appointed a Member of the Order of Australia (AM) in the 2023 King's Birthday Honours List for significant service to aerospace medicine, and is a Fellow of the Aerospace Medical Association and the Australasian College of Aerospace Medicine.

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