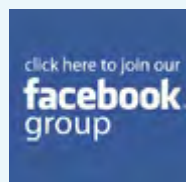


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 @AustralasianSocietyof  
AerospaceMedicine

### Australasian Society of Aerospace Medicine

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## PRESIDENT'S MESSAGE

Dear Colleagues,

It's been so very busy in Aerospace Medicine in the last few months that I haven't had a moment to sit still and write about the news!

**I, with many colleagues, attended the Aerospace Medicine Association (AsMA) conference** in Las Vegas in May. Each time I come to this meeting I'm reminded of how great our organisation is at home. No offence intended to the AsMA team, they run a professional conference with a great program of speakers; but our meeting really does hit the sweet spot of being small enough to be collegial and friendly, but big enough to be of really great educational value.

**The ASAM meeting this year in Sydney** is going to be one of the most packed educational and scientific programs we have hosted. We have the aviation ophthalmology workshop, the dedicated military session, as well as the usual fantastic range of clinical and research presentations on general aviation, safety, space and airline medicine. And of course, the CASA team will be there to keep us up to date on the regulatory side of things.

**What else have we been up to so far this year?** In January, two of our members were honoured in the Australia Day awards: GPCAPT Greg Hampson AM and Dr Peter Marendy OAM. In March AMSVIC held their annual Aviation Medicine Update, another top-notch regional meeting, held alongside the Avalon Air Show. Also in March we awarded the ASAM-sponsored Merz Prize for the highest marks on the RAAF Aviation Medical Officers course to LCDR (Dr) Tenille Chapman RAN – and of course I'm always happy to see another female Navy doc doing well! March (busy month) also saw the inaugural and very successful Airline Day hosted at the Virgin Australia centre in Brisbane, with thanks to Dr Sara Souter and her team who made it happen. In April I was invited to assist with the recruitment panel for the next PMO for CASA, and here at AsMA we have five ASAM members presenting their research on the international stage.

**Coming up later this year we have the Humans in Space course**, the 70th Anniversary annual conference, and we will again be delivering a DAME course to help increase DAME numbers in regional areas. I hope to hear from the RACGP this month about establishing a Specific Interest Network in Aerospace Medicine within RACGP Faculty of Specific Interests (cross your fingers for us) and to work with all the Specialist Colleges to help raise awareness of aerospace medicine in the broader medical communities.

**The Board of ASAM** has been working hard to find ways to support our members and our Society. The Airline Day was a huge team effort; the role of ASAM as a leader in space life sciences education and advocacy continues with momentum; we have a large number of articles published in JASAM online; and we are working to make sure the importance of DAMEs and aerospace medicine are considered by important stakeholders such as Specialist Colleges, ATSB and CASA. Each time the Board meets we have thoughtful and considered discussions about the what, where and why of what's going on, with the interests of DAMEs and members well represented from all our Directors – all of whom are DAMEs.

Like I said, no rest for the wicked. I'd better go and check what's next on my list of things to do.

Cheers, and take care

*Kate*

Kate Manderson  
President



# HONOURS & AWARDS

## Member (AM) in the Military Division of the Order of Australia

### Group Captain Gregory HAMPSON

For exceptional performance of duty in the development and sustainment of clinical aviation medical services in the Australian Defence Force. Group Captain Hampson's dedication and outstanding leadership over three decades made a superb contribution to the sustainment and development of the Australian Defence Force aviation medical capabilities. His exemplary personal example and drive set the benchmark for the performance of Senior Aviation Medical Officers whilst playing a pivotal role in remediating aviation medical services at the operational level in the process. His lasting legacy is an Australian Defence Force enabled by world class aviation medical services to assist those in need anywhere in the world.

## Medal (OAM) in the General Division of the Order of Australia

**Dr Peter MARENDY OAM**, for service to medicine and to the community.

## Officer (AO) in the Military Division of the Order of Australia

### Air Vice-Marshal Tracy Lee SMART AM, ACT

For distinguished service in responsible positions to the Australian Defence Force in the fields of medical and health services. Air Vice-Marshal Smart is a Senior Medical Officer of rare skill and ability who has provided extraordinary service in a number of challenging senior appointments since 2010. Her exceptional leadership and superb professionalism have shaped the provision of world-class medical and health services to Australian Defence Force members, now, and for decades to come. She significantly enhanced health capability over years of most devoted service, and has been key to major improvements in the mental health services provided to current and former members.

### Lt. George P. Merz Memorial Prize

Awarded for Dux of Course, Aviation Medical Officer Course conducted at RAAF Institute of Aviation Medicine in March 2019 was awarded to **LCDR Tenille Chapman**.

### ASAM Student Scholarship

**Mr Bal Dhital** is a recipient of the 2019 Student Scholarship and will receive complimentary registration to the 2019 Humans in Space: Challenges for Exploration Course to be held in Melbourne in September.

### Won Chuel Kay Award

**Dr Gordon Cable** is the 2019 recipient of the Won Chuel Kay award, presented each year at the Aerospace Medical Association annual scientific meeting to recognise a person who has made an outstanding contribution to international aerospace medicine.



*Greg Hampson and Jeff Brock*

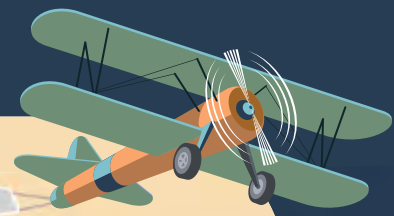
## NOTICE

# ASAM ANNUAL GENERAL MEETING

**Saturday 21 September 2019**

**4:30pm**

**The Westin Sydney**



7 YEARS OF ASAM

# ASAM 2019 ANNUAL CONFERENCE

19-22 SEPTEMBER 2019 | THE WESTIN SYDNEY

**EARLYBIRD REGISTRATION  
CLOSES 30 JUNE  
LIMITED PLACES**

[www.asam2019.org.au](http://www.asam2019.org.au)



# SYDNEY

# SPACE LIFE SCIENCES COMMITTEE

September will be a busy month for the Space Life Sciences Committee. **The Humans in Space Challenges for Exploration Course (HiS) will be convened from 3 to 7 September 2019 once again at the Novotel on Collins, Melbourne.** This new-look course now runs over 5 days to combine the best of the old Initial and Advanced courses into the one stream. Through lectures and practical workshops the course will cover such diverse topics as the space environment, microgravity and artificial gravity, astrodynamics and orbital mechanics, physiological consequences and adaptations of space flight, life support systems, the psychology of expeditionary behaviour, and the medical aspects of commercial space tourism.

The course will include discussions around future exploration class missions to the Moon and Mars, and a visit to the Victorian Science Education Centre where participants can experience a Mars surface EVA and mission control simulation. We will be joined once again by our expert international faculty - Dr Robert Thirsk, Dr Gilles Clément and Dr Angie Bukley - ably assisted by local lecturers including Dr Kira Bacal, Dr James Waldie, Dr Marc Jurblum and myself. **Registration is now open – contact [secretariat@asam.org.au](mailto:secretariat@asam.org.au)**

A major development surrounding the Humans in Space course flowed from the Memorandum of Understanding that ASAM signed with the University of Tasmania (UTAS) at the First Focus Colloquium on Space Life Sciences and Health in August last year. HiS now constitutes a residential course component of a Space Medicine Unit, which is an elective unit with the UTAS Healthcare in Remote and Extreme Environments program, being developed collaboratively with ASAM. This unit encompasses 13 weeks of study (including the HiS course) expanding on the concepts presented during the residential school, providing an introduction to the field of Space Medicine, and the challenges that humans face in exploring space. It places the student in the shoes of an astronaut candidate, covering fundamental and underpinning principles from physics and astronomy, and exploring the selection and training process that an astronaut candidate must undergo.

Then following the career path of a crew medical officer, it continues in a stepwise progression through a training mission to low earth orbit on the International Space Station, a lunar exploration mission, and then the ultimate mission goal - a mission to Mars. Along the way the unit explores the environmental challenges of space flight, the physiological and psychological impacts of short and long duration missions, the technological means of supporting humans in space, medical issues that face astronauts and the medical support systems that aim to keep them healthy. More information about the course can be found on the UTAS website <http://www.utas.edu.au/health/study/postgraduate-coursework/healthcare-in-remote-and-extreme-environments>. Prior completion of the HiS course will be considered for recognition

of prior learning.

Beyond those exciting events, the committee continues to engage with the Australian Space Agency, and the space industry at conferences and forums, to make sure the human element of space research stays in focus.

**Dr Gordon Cable**  
Convenor



**HUMANS IN SPACE:  
CHALLENGES FOR  
EXPLORATION**

**3-7 September 2019**  
**Novotel on Collins, Melbourne**

**Register now at**  
**[www.asam.org.au](http://www.asam.org.au)**

## VALE BRIAN COSTELLO

**COSTELLO, Brian Walle (Doc)**  
**25.12.1918 – 31.12.2018**

Died peacefully at Caritas Christi.

The Australian Federation of Air Pilots together with the Australian Air Pilots Mutual Benefit Fund are saddened by the news of Dr Brian Costello's passing. Dr Costello provided outstanding service in the area of aviation medicine. He was fundamental in the establishment of the Mutual Benefit Fund which provides financial support for pilots who lose their aviation licence due to medical reasons. He served as the Fund's medical advisor for nearly 50 years. His contributions were immense. Our sincere condolences to Dr Costello's family.

Founding member and honorary member of ASAM.





# HUMANS IN SPACE: CHALLENGES FOR EXPLORATION

**3 - 7 September 2019**  
**Novotel on Collins, Melbourne**

**Register now at [www.asam.org.au](http://www.asam.org.au)**

# “AIRLINE DAY” REPORT

Bright and early midweek in Brisbane, 24 keen DAMEs arrived at the Virgin-Boeing training centre for the inaugural “Airline Day”, on 27th March 2019.

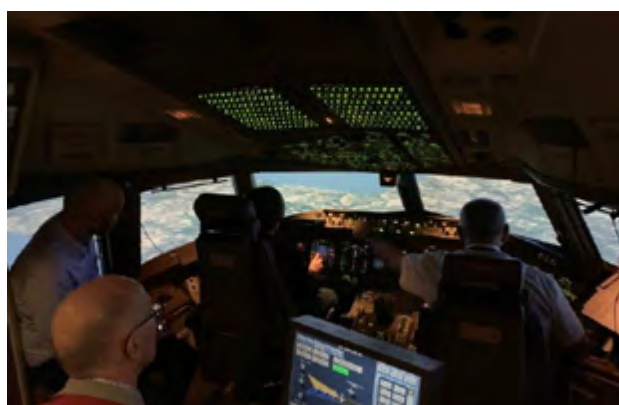
An initiative by ASAM and partnering with Qantas Medical, the Virgin team showed off the B777 flight simulator to participants in conjunction with interactive sessions on a variety of topics. The focus was to enhance the education of DAME’s in airline-specific operational areas, with a spotlight on flight crew training and checking practices, roster and fatigue management, mental health support structures such as HIMS and pilot peer support, and management of crew health mid-duty. Also included were interactive sessions on alcohol and drug education, testing programs and the role of the airline MRO, passenger health- in-flight medical events and emergency kits- with a close up look at contents and in-flight monitoring equipment (Tempus).

With barely a coffee break in sight, the highlight was the experience in the flight simulator with 3 experienced instructors attached to the group for 8 hours total in the simulator between all participants.

Feedback from the day was excellent, after an initial overwhelming response to holding the education event initially.

Next event will be hosted by Qantas, with the operational Virgin team really enjoying the occasion and even offering to do it again..

**Dr Sara Souter**  
Group Medical Officer, Virgin Australia



## ATSB REPORT

The ATSB has released its final report into the in-flight breakup involving Cessna 210, VH-HWY, 22 km east of Darwin Airport, Northern Territory, on 23 October 2017.

### Safety message

There are several safety messages from this investigation including the recognition and avoidance of tropical weather conditions that present significant hazards to flight. Particularly challenging is identifying an appropriate distance to keep from thunderstorms, which comes through experience in operating in the tropics. In many cases, deviations of 10 nautical miles may not be enough for an aircraft to remain safely clear of the turbulent and powerful forces associated with storms.

The ATSB’s investigation found that the operator’s risk mitigation of pairing a supervisory pilot with a trainee did not adequately address the weather-related risks because neither pilot had experience flying in the build-up to the wet season. Smaller operators employing pilots with limited exposure to local conditions can better manage related risks by pairing new pilots with ones who are experienced in flying in the Top End.

The ATSB also encourages pilots to use all available resources to avoid adverse weather, including forecasts and requesting air traffic control assistance. Awareness of the weather avoidance actions of other pilots in the area can also be useful.

Further, there is considerable value in ongoing education and guidance for all pilots in recognising and responding to deteriorating weather conditions during flight.

Read more: **Flying during the build-up in the Top End resents significant weather risks**



A vintage biplane with a propeller and roundel insignia is flying over a scenic landscape featuring a large lake, a small island, and rugged mountains under a blue sky with light clouds.

# AMSVIC WARBIRDS OVER WANAKA FLYAWAY WEEKEND

**SAVE THE DATE**  
Queenstown, NZ – 10-12 April, 2020

A large ship is navigating through a field of icebergs in a dark, choppy sea. In the background, there are snow-capped mountains and a glacier.

## AMSVIC ANTARCTICA EXPEDITION 2021

AMSVIC is in the preliminary planning stage of hosting a second expedition to Antarctica in February 2021. More information will be available later in the year.

# CALENDAR OF EVENTS

25-26 July 2019	<b>Medical Review Officers Course</b> , Melbourne
3-7 September 2019	<b>Humans in Space: Challenges for Exploration</b> , Melbourne
8-12 September 2019	<b>International Congress of Aviation &amp; Space Medicine</b> , Hungary
19-22 September 2019	<b>ASAM Annual Conference</b> , Sydney
20 September 2019	<b>ACAsM AGM</b> , Sydney
21 September 2019	<b>ASAM AGM</b> , Sydney
9-17 November, 2019	<b>Designated Aviation Medical Examiner Training Program</b> , Brisbane
10-12 April 2020	<b>AMSVIC Warbirds over Wanaka Flyaway Weekend</b> , Queenstown NZ
17-20 September 2020	<b>ASAM Conference 2020</b> , Hobart
24-26 September 2020	<b>International Conference of Aerospace Medicine 2020</b> , Paris France

*Dates may be subject to change, please check the relevant website.*

## DESIGNATED AVIATION MEDICAL EXAMINER TRAINING PROGRAM

**Brisbane – 9-17 November, 2019**





# NEW ASAM MEMBERS

**Adebola Adeiye**, Byford WA  
**Ganesh Anbalagan**, Phillip ACT  
**Sharmalie Atukorala**, Clayton South Vic  
**Everadus Boets**, Habana Qld  
**Oliver Brock**, Hamburg Germany  
**Tenille Chapman**, Balmain NSW  
**John Cherry**, Hamilton NSW  
**Bal Dhital**, North Lambton NSW  
**Ash Duncan**, Daisy Hill Qld  
**Chris Fay**, East Tamworth NSW  
**Andrew Flint**, Larrakeyah NT  
**Tony Gherardin**, Kew Vic  
**Cameron Hoare**, Cloncurry Qld  
**Mark Johnson**, Hamilton Vic  
**Sandra Johnson**, Pennant Hills NSW  
**Viney Joshi**, Toowoomba Qld  
**John Lyon**, Tewantin Qld  
**Joanne Mackson**, Kingswood NSW  
**Joshua Mann**, Gordon Park Qld  
**Charles McCartan**, Ooralea Qld  
**Robin Meusemann**, Black Rock Vic  
**Mohammed Redhuan Mohammed Akram**, Preston Vic  
**Sharon Muir**, Riverstone NSW  
**Kevin Naicker**, Hope Island Qld  
**Damian Nguyen**, Salisbury SA  
**Chian Nguyen**, Melbourne VIC  
**Euchenna Nwankwo**, Keysborough VIC  
**Elizabeth Paratz**, Kew East VIC  
**Charles Phillis**, Paradise Point Qld  
**Jacob Pogson**, Artarmon NSW  
**Sarah (Gayl) Robinson**, Sandringham Vic  
**John Rollo**, Chapel Hill Qld  
**Juliette Rountree**, Fern Bay NSW  
**Sutharsamohan Sankaralingam**, Finley NSW  
**Shanel Sharma**, Bondi Junction NSW  
**Nathan Smith**, Leichhardt NSW  
**Melanie Smyth**, Stockton NSW  
**Jeremy Solomon**, Rockdale NSW  
**Ron Stasiuk**, Blackburn South Vic  
**Hester Stokes**, Newcastle NSW  
**Kasra Taghian**, Wheelers Hill Vic  
**Subhasis Talapatra**, Parramatta NSW  
**Andrew Thomas**, Golden Bay WA  
**Ruwan Walpola**, St Ives NSW  
**Rohana Wanasinghe**, Narrabri NSW  
**Alison Ward**, Seaforth NSW  
**Michael Wertheim**, Murdoch WA  
**Simon Winder**, Warrawong NSW  
**Martin Wood**, Coorparoo Qld

# THE ASAM BOARD

## President

Dr Kate Manderson

## Immediate Past President

Dr Ian Cheng

## Vice-President

Dr Craig Schramm

## Treasurer

Dr Jeremy Robertson

## Secretary

Dr Gordon Cable

## Board Members

Dr Priti Bhatt

Dr David Fitzgerald

Dr Mike Hill

Dr Ian Hosegood

Dr Collette Richards

# FACEBOOK GROUP

Just a quick reminder that ASAM runs a 'closed' Facebook group for members.

It is envisaged as a place to discuss current topics, or seek advice or opinion from fellow aviation medicine professionals. The security settings are such that only members of the group can see posts made on the page. When you apply you will be asked to supply the name and email address your ASAM membership is held in to help us identify you.

The group can be found at <https://www.facebook.com/groups/ASAMmembers>

# ASAM NEWS?

If you would like to share some news with your colleagues, let us know at:

[secretariat@asam.org.au](mailto:secretariat@asam.org.au)