



## **RAeS HAMILTON Branch Meeting for October 2019.**

**DATE: WED 30<sup>th</sup> October 2019**

**START TIME: 19:30 hrs/7.30pm sharp**

**VENUE: Glenview Club, Peacockes Road. Glenview, Hamilton.**

**AGENDA: Guest Speaker; Mr. Hugh McCarroll, BE CEng MRAeS.**

Part 3 The Big Picture Update.

*On the 50th anniversary of the moon landing of Apollo 11, we are fortunate to have Hugh deliver this address.*

'Journey into Space' was a series of three lectures on the history of space travel he started in 2010. The first lecture covered the period leading up to Sputnik, the first artificial earth satellite, launched in October 1957. It was a triumph for the Russians and it caught the United States completely unawares. The demonstrated technological expertise was way beyond the popular conception of Russian capabilities, and way beyond anything the Americans could do.

The second lecture, given in 2011, covered the period from 1957 till end of the Moon missions in 1972, when the United States mighty industrial and technological capacity triumphed in the race to the Moon. It also brought home to many people the beauty and fragility of our planet.

The third lecture in 2012 looked at 'everything else'; the major players, the launchers they are using, the orbits they are using and what the satellites and probes are doing. There is a huge number of satellites, covering everything from the 'routine' stuff that we now all take for granted like the International space station and the now retired space shuttle, global weather coverage and forecasting, the Earth sciences, GPS and worldwide instant communications, to the deep space missions and research satellites that have hugely increased our knowledge of the universe.

This lecture is a 2019 update of the third lecture. It includes significant activities that have occurred since 2011, including the entry of New Zealand into the space launch business.

Thanks to all those (21) who came to last month's meeting, when Mr. Kevin McMahon, Advisor to the MOD on procurement matters and the Defence Challenges of Defence Projects, gave us a very good indepth look at just what is involved. Many of the issues would not be apparent to the general public and hence it was good to hear from the inside of these important contracts and how the decisions were reached to come to the actual procurement order for the three services.

Next month, on Wed/27<sup>th</sup> November, we will have Murray McGregor MRAeS, Design Engineer at Flight Structures Hamilton Airport, talking about the diesel engined Fletcher currently being tested in the SI, and expected to be ready by the end of this year. Murray will also be receiving a Meritorious Service Award at the awards dinner and Symposium at Wellington on Friday the 1<sup>st</sup> of November for his long term commitment

to the aviation fraternity for nearly 50yrs and continuing to do so. Congratulations Murray, a very well deserved recipient for this award.  
**Next month we are looking at a visit to PAC between the 4<sup>th</sup> and 7<sup>th</sup> of November. Details will be e-mailed to you when we finalize the time and date.**

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### Alan's September Jottings.

The displays team at Classic Flyers Museum, of which I am one of the two members, updates, revitalizes and/or improves existing cabinet displays as well as providing new displays. This started over two years ago when I volunteered to improve the single 75 Squadron cabinet which was looking rather shabby. The 75 Squadron display eventually expanded to three cabinets beginning with the forming of 75 Squadron as a World War One Royal Flying Corps squadron in 1916 through to its (totally unnecessary) disbanding as an RNZAF Squadron in 2001.

Two and a half years and TEN cabinets later we are still at it with displays including 617 Dambuster Squadron, World War Two RNZAF south-west Pacific involvement as well as a diorama and cabinets containing airliner models painted up in different airline liveries.

We are presently working on a Battle of Britain display and an associated Sir Keith Park display.

The knowledge we have gained from our own research for each project and talking to people who were actually involved in and survived each action is mind-boggling. We sometimes wonder why we continue to do what we do, but then we get visitors to the museum from all over the world (especially from the cruise ships) who talk to us as we work, not to mention local visitors and our museum staff, who say how good the museum, the aircraft, the restoration work and displays are. That makes it all worthwhile, not only for the display team but all the staff and volunteers who work here.

If you haven't visited Classic Flyers Museum at Tauranga Airport recently or been to us before, please come in, even the airport terminal renovations are worth a look.

Alan.