



Minutes of the Annual General Meeting held on Tuesday 16th May 2023

The meeting was held via **MS Teams**. Participants were required to log into the meeting using their own computers.

Those attending: Georgia Devlin (YPN Representative), Steve Hogarth, Jim McGuirk, Colin Moss, John Newton, John Ollerhead, Goff Tearle, Ashley van Bruygom, Ben Marshall, James Knowles, Roger Allton, Thomas Steffen, Wladimira De Carvalho Rocha.

1. APOLOGIES FOR ABSENCE

Apologies for absence were received from Daniel Nutt.

2. MINUTES OF AGM HELD ON 10TH MAY 2022

Acceptance of these minutes was proposed by John Ollerhead and seconded by Goff Tearle. They were approved nem con.

3. MATTERS ARISING FROM 2022 AGM MINUTES

3.1 Branch survey showed that most popular lecture topics are military aircraft, civil aircraft and propulsion. Survey also showed a preference for combined “live” and MS Teams based lectures.

4. SECRETARY’S REPORT

- 4.1. Annex 1 shows a list of our 2022/3 season speakers. They have all been of high quality and well up to the standards set by previous seasons.
- 4.2. The only criticism of the speakers is a trend for speakers’ slides to become too busy and therefore difficult to follow. Having said that, perhaps we should accept that preparing slides takes time and many speakers just do not have that time.
- 4.3. Two lectures were singled out for praise:
 - 4.3.1. Firstly, the Aeromobility lecture given on 28th February by Allister Bridger and Harvey Mathewson. Aerobility operates out of Blackbushe Airfield and has as its aim to provide flying experiences for disabled and underprivileged individuals who might otherwise have no chance of such an experience.
 - 4.3.2. Secondly, Beagle 2 Mars lecture on 9th May where we learned some very interesting details of running a very complex project on a shoestring.
- 4.4. All our lectures are now given in hybrid format, i.e. both via MS Teams and “live” to an audience in the Loughborough University Brockington lecture theatre.
- 4.5. Full details of all the lectures, including video recordings are available on the RAeS Loughborough Branch website, assiduously maintained by John Ollerhead.
- 4.6. In addition, visits were organised to the National Centre for Combustion & Aerothermal Technology at Loughborough Univ. (June 21st) and Rolls-Royce Derby On-Wing Repair Centre and Apprentice Training Facility (April 21st) (Collaborations with RR(Derby) Branch).
- 4.7. One disappointing aspect of the 2022/23 season has been the level of attendance.
- 4.8. We estimate this to be an average of 80 per lecture.

- 4.9. This was split approximately half and half between “live” and on line via MS Teams.
- 4.10. This compares with an average audience of 140 only a few years ago.
- 4.11. Much of this downturn can be attributed to the aftermath of the Covid 19 Pandemic during which people became less enthusiastic about participating in local events. This is a shame given the efforts made by the committee to organise and run the season of lectures.
- 4.12. In addition, more needs to be done to maintain our local contacts. N.B. Until recently the Loughborough Branch used to hold a comprehensive list of local contacts including their postal and e-mail addresses. This list was used to send out annual brochures and a letter inviting recipients to attend the upcoming season of lectures and any visits arranged for that season. In addition, packs of brochures and posters were circulated to all libraries within a 15mile radius of Loughborough.
Action 1 – Discuss and agree methods of maintaining/expanding the Loughborough Branch’s local contacts. Action - Jim McGuirk, Colin Moss
- 4.13. We are in the process of organising a season of nine lectures plus the annual Loughborough University Meng Final Year Design Projects evening of mini-lectures. Details of the state of play in organising these lectures are shown in Annex 2.

5. TREASURER’S REPORT

- 5.1. Refer to Annex 3 for the 2022/23 Income and Expenditure Accounts. They show the following:
 - 5.1.1. The RAeS Grant/Subvention was £1875 for the 2022/23 Season.
 - 5.1.2. Donations have increased significantly to £333.20 from £96 last season.
 - 5.1.3. The lecture theatre hire charges were £900, i.e. £100 per lecture. N.B. Unlike previous years, Loughborough University billing dates now reflect the season in which given lectures take place.
- 5.2. Refer to Annex 4 for the 2022/23 Statement of Bank Balances. They show:
 - 5.2.1. A funding reserve of £10322.81 with which to commence the 2023/24 Season.
 - 5.2.2. N.B. Copies of the Branch’s bank statements are now sent to RAeS HQ every quarter.

6. N E ROWE YOUNG PERSONS’ LECTURE COMPETITION

- 6.1. The 2022 Loughborough Branch winner was Barnaby Pine for his lecture “A Cool Journey to Net-Zero – Hybridisation a fantastic future – Superconductor Motor and Generator use in Aeronautics”. He received a £100 prize for his lecture. He went on to win the national prize of £500.
- 6.2. The Loughborough Branch runner-up prize was awarded to Harrison Juhasz. He received a £50 prize.
- 6.3. A preliminary selection session for the current year was held in Loughborough University in April via MS Teams.
- 6.4. In person (“live”) Loughborough University/Rolls-Royce (Derby) Branches joint finalist selection will take place in Derby in June 2023 in front of three Loughborough University and three Rolls-Royce Derby judges.

7. ELECTION OF OFFICERS

7.1. Nominations are:

7.1.1. Standing for re-election:

Chairman:	Prof. Jim McGuirk*
Secretary:	Colin Moss*
Assistant Secretary	Dr. John Ollerhead*
Treasurer:	Stephen Hogarth*,
Meetings Secretary:	Dr. Vipran Kannan*
Programme Secretary	Goff Tearle*
Visits Secretary	John Newton*

Committee Members:

Roger Allton, Dr. James Knowles, Daniel Nutt, Prof. Adrian Spencer*, Georgia Devlin (RAeS YPN Rep.) & Oscar Watson-Maguire (LU Flying Club Treasurer and Media Secretary)

(N.B. Tony Irwin passed away in March 2023)

7.1.2. Persons seeking election:

Ashley van Bruygom*
Ben Marshall
Thomas Steffen
Francis Maccabee

* RAeS Members

7.2. Oscar Watson-Maguire will be leaving Loughborough University this coming Summer.

Action 2 – Oscar to be contacted to arrange his replacement on the Branch Committee – Action Colin Moss

7.3. John Newton stated that he did wish to hold the position of Visits Secretary beyond the end of the 2023/24 season.

Action 3 – Replacement Visits Secretary to be sought for 2024/25 season – Action Jim McGuirk

7.4. All those listed in 7.1 above were elected Nem Con.

8. ANY OTHER BUSINESS

8.1. John Ollerhead sought members' help in tracking down a problem with Branch email transmissions.

Colin Moss
RAeS Loughborough Branch Secretary

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18th Oct 2022	The People's Mosquito – the Wooden Wonder by Ross Sharp, Director of Engineering and Airframe Compliance
8th Nov 2022	Managing an Airport in Difficult Times by Ioan Reed-Aspley, Manchester Airports Group (Includes East Midlands Airport.
22th Nov 2022	Electric Propulsion Systems for Advanced Air Mobility by Steve Mountain, Rolls- Royce Electrical - Joint Meeting with IMechE
13th Dec 2022	st The 21 Century Renaissance of the Transonic Wind Tunnel by Dr Doug Greenwell
17th Jan 2023	V/STOL – British Ingenuity, International Demand by Graham Weller, Aviation Consultant - Joint Meeting with LSU Flying Club

ANNEX 1 – 2022/23 Branch Lecture Programme (Sheet 1 of 2)

14th Feb 2023	F-35B / HMS Queen Elizabeth Development Flight Trials by John Slater, BAE Systems Flight Test
28th Feb 2023	Aerobility – No Limits by Alistair Bridger, BA Director of Flight Operations and Harvey Mathewson, Aerobility
21st March 2023	Lion Air Boeing 737 Max Flight JT610 in Indonesia by Mike Bromfield, Assoc. Prof. in Aerospace, Univ. of Birmingham and Nils Jamieson Joint Meeting with LSU Flying Club
9th May 2023	Beagle 2 Mars – Some Untold Stories by John Thatcher
13th June 2023	Loughborough Univ. Aero MEng Final Year Group Aircraft Design Projects Short lecture series
Visits organised	1. Visit National Centre for Combustion & Aerothermal Technology at Loughborough Univ. 2. Visit Rolls-Royce Test Bed 80 (Collaboration with RR(Derby) Branch)

**ANNEX 1 – 2022/23 Branch Lecture and Visits Programme
(Sheet 2 of 2)**

17 th Oct 2023	The Development of the F86 Sabre by Rod Dean, Aviation Consultant	Confirmed
7 th Nov 2023	Silver City Airways by Steve Hogarth, RAeS Loughborough Branch Treasurer	Confirmed
21 st Nov 2023 Elfyn Richards Prestige	1 st Choice – (19) Sir Frank Whittle: The Genesis of Early Jet Engines. Lecture by Ian Whittle, son of Frank Whittle	Confirmed
12 th Dec 2023	The Buccaneer by Air Cdre. (Ret'd) Graham Pitchfork	Confirmed
16 th Jan 2024	Airworthiness in the Context of Unmanned Air Systems by Dewar Donnithome-Tait	Confirmed

ANNEX 2 – 2023/24 Branch Lecture Programme (Sheet 1 of 2)

13 th Feb 2024	<p>1st Choice – Breaking the World Electric Speed Record by Phill O’Dell: Rolls-Royce PLC Test Pilot - Tetbury Goods Shed Arts (shed-arts.co.uk)</p> <p>2nd Choice – Update on Hybrid Air Vehicles Ltd – Airlander into Production by Tom Grundy, CEO Hybrid Vehicles Ltd.</p>	Negotiations in progress
27 th Feb 2024	Lockheed Martin Space in the UK by Grant Lewis, Lockheed Martin	Confirmed
19 th March 2024	<p>1st Choice - The Role of Electronic Warfare in protecting high value aircraft by Fiona Clark</p> <p>2nd Choice – R-R Ultrafan Development Engine</p>	Negotiations in progress
16 th April 2024	<p>1st Choice – Hydrogen and Aviation: Where do we start? by Jenny Kavanagh & Rob Marsh, Cranfield Aerospace Solutions</p> <p>2nd Choice – Sustainable Aviation Fuels in Rolls-Royce plc</p>	Negotiations in progress
11 th June 2024	<p>Loughborough University MEng Final Year Aircraft Design Projects – series short lectures</p> <p><i>Joint Event with University Dept of Aero & Auto Engineering</i></p>	Organised by Loughborough University

ANNEX 2 – 2023/24 Branch Lecture Programme (Sheet 2 of 2)

INCOME and EXPENDITURE ACCOUNT	2021/2022	2022/2023	
INCOME	£	£	
1. RAeS Grant/Subvention.	1375.00	1875.00	(1)
2. Branch Subscriptions.	705.00	750.00	
3. Donations (collection at lectures)	95.83	333.20	(2)
4. Interest on capital account.	.60	18.58.	(3)
5. IMechE contribution for nominated lectures.	280.55	25.00	
Total	2456.98	3001.78	
EXPENDITURE			
1. Lecture expenses (travel, accommodation etc)	1020.35	1345.54	
2. LU 020 Hire	1600.00.	900.00	(4)
3. Secretarial, programmes.	178.00	52.27	
4. Website/Domain.	152.93.	143.85	
5. Awards – N.E. Rowe.	150.00.	150.00	
6. Long service award and hospitality (F. Maccabee).	151.00	-	
7. Young Members Network travel costs to RAeS HQ	79.20	-	
Total	3331.48	2591.66	

Notes:

1. Subvention request reduced for RAeS FY 2023 to £ 1000. Request for RAeS FY 2022 was £ 2750). 50% paid October 2022 and £ 500 paid in March 2023.
2. Six Donations by Text Messaging totalling £18.20
3. As interest rates are improving, £ 2000.00 will be moved into the Capital Account from the Current Account following AGM.
4. Season 2021/2022 incurred accrual of £ 700 for reduced use in season 2020/2021, because of late presentation of University Invoice. Normally £ 990 p.a.

ANNEX 3 – 2022/23 Income & Expenditure

STATEMENT OF BANK ACCOUNTS 12th May 2023

Brought forward balances		£
Current Account	1 st May 2022	3904.54
Capital Account	1 st May 2022	6008.15
	Total.	<hr/> 9912..69
Surplus for season 2022/2023		410.12
Represented by Balances		
Current Account	12 th May 2023	4296.08
Capital Account	12 th May 2023	6026.73
	Total	<hr/> 10322.81

ANNEX 4 – 2022/23 Statement of Bank Balances