



# ROYAL AERONAUTICAL SOCIETY

Loughborough Branch

## Minutes of the Annual General Meetings held on Tuesday 8<sup>th</sup> May 2018 (including details of the lecture which immediately followed the AGM)

No. attendees – 27.

### 1 Apologies for Absence

There were none.

### 2 Minutes of AGM held on 4<sup>th</sup> April 2017

These were approved.

Proposer – Stan Stevens Seconder – Mike Hirst

### 3 Matters Arising

There were none.

### 4 Secretary's Report

See Appendix 1 (Secretary's Report on the 2017/18 Season).

The Secretary stated that:

- a. Once again, the Loughborough Branch had held an excellent season of lectures covering all aspects of aerospace – historical, present and the future; reminiscences and modern technology.
- b. The average attendance has been **138**. (N.B. This includes the lecture immediately following the AGM and the preceding summer's evening of lectures by Loughborough University's Aeronautical and Automotive Engineering (AeAE) Department's final year MEng students.) This compares with **132** in 2016/17, **150** in 2015/16 and **168** in 2014/15. The attendance for the 2017/18 season is thus broadly in line with previous seasons..
- c. There were 4 lectures with other organisations. These organisations were Loughborough University Aeronautical and Automotive Engineering (AeAE) Department, Loughborough University Students' Velocity Society and the Institute of Mechanical Engineering.

The Secretary continued by describing the proposed programme of events for the 2018/19 season.

The Secretary's Report was approved nem con.

Proposer – Mac Maccabee, Seconder – Daniel Nutt.

### 5 Treasurer's Report

See Appendix 2 (Treasurer's Report to the 2017/18 Season).

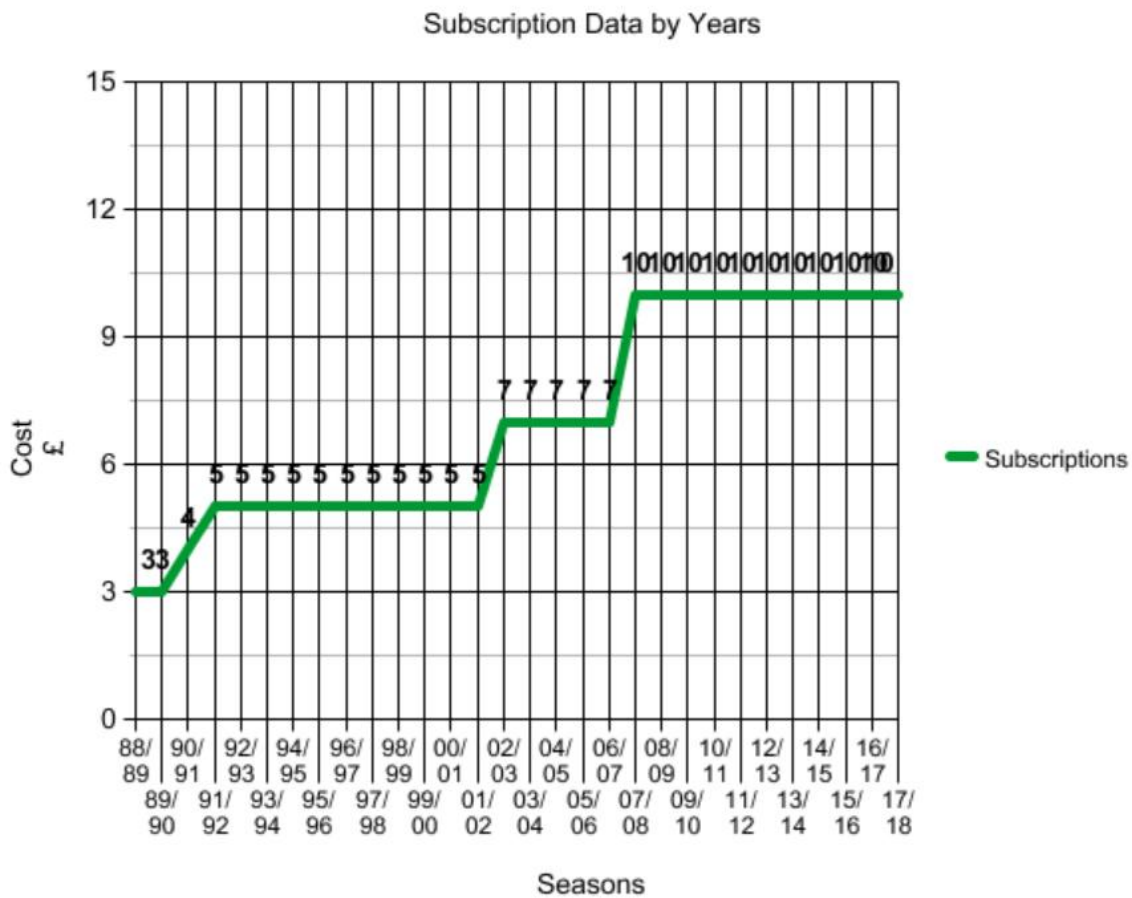
The Treasurer stated that:

- a. The grant received from the RAeS , at £1800, is the same as for the 2016/17 season
- b. There had been a slight increase in Friends' Membership over the 2016/17 season;
- c. Lecturers' expenses were much the same as for the 2016/17 season;
- d. The amount charged by the University for the hire of the lecture theatre had increased by 7.1% compared with the 2016/17 season.
- e. Once again the Branch had not been invoiced by the University for the hire of AV equipment since 25<sup>th</sup> April 2015. As a result there was need to provision for an accrued debt of £1620. This matter will be taken up with the University.

- f. The Branch did not send a representative to the 2017 Annual Conference hence there were no expenses arising from such attendance;
- g. The bank balance is £6889.50 which is marginally higher than last year's balance of £6623.96 but against this must be set the accrued debt of £1620 which will increase at the rate of £540 p.a. **In the future provision must be made both for the accrued debt and for its increase (See Items 6 and 7 below).**

The Treasurer's Report was approved nem con.  
 Proposer – Gerry Elloy, Seconder – Ivor Amos

## 6 Changes to Friends Subscriptions and Recommended Donations for Attending Lectures



The Treasurer referenced the above graph. It shows that the annual Friends' Subscription has remained unchanged at £10 since the 2007/8 season. The treasurer stated that, in the light of the accrued debt of £1620 and the likely liability for a further £540 p.a., it is now intended to increase the Friends' Subscription to £15 p.a. In addition the recommended Donation for Non-Members (excluding Students) will be increased to £3 per meeting.

## 7 Changes to Policy for Producing and Distributing the Annual Brochure

The Treasurer stated that the current annual cost of producing and distributing the Branch's Annual Brochure is now in excess of £560. He continued by saying that it is intended to significantly reduce the above figure by:

- a. Only sending hard copies of the annual brochure and letter by post to the 30 or so persons for whom we do not have an e-mail address.

- b. Sending soft copies of the annual brochure and letter by e-mail to the 500 or so persons on our e-mailing address list.
- c. Producing the e-mail and hard copy versions of the annual brochure to a common format.

N.B. Hard copies of the annual brochure together with application forms to become a Friend of the Branch will still be available at meetings for those requiring them.

## 8 Changes to Branch Rules

The Secretary proposed the following amendments to the RAeS Loughborough Branch Rules:

Para. 4.3 The Committee shall consist of not more than **twenty and not fewer than six** Branch Members and Branch Friends, and shall include a Branch Chairman, Branch Secretary and Branch Treasurer.

Para. 4.6 The quorum for any Committee meeting shall be **six** elected members of the Committee. If a quorum is still not present thirty minutes after the appointed starting time, the meeting shall be dissolved.

**(proposed changes shown in red)**

The changes are necessary in order to comply with RAeS Rules and to accommodate a slightly larger committee.

The Rule changes were approved nem con.

Proposer – MacMaccabee, Secunder – John Newton

## 9 Election of Officers

9.1 The following committee members had indicated that they were willing to stand for re-election for the 2018/19 Season:

<b>Secretary:</b>	<b>Colin Moss*</b>
<b>Assistant Secretary</b>	<b>Dr. John Ollerhead* (previously Chairman)</b>
<b>Treasurer:</b>	<b>Stephen Hogarth*,</b>
<b>Meetings Secretary:</b>	<b>Dr. Vipran Kannan*</b>
<b>Visits Secretary</b>	<b>John Newton*</b>
<b>Committee Members:</b>	<b>Ivor Amos, Gerry Elloy*, Mike Hirst, Tony Irwin, Barry Jacobson, Mac Maccabee, Peter Nathanail, Daniel Nutt, John Robertson*, Paul Snelling*, Goff Tearle*</b>

9.2 In addition the following persons had indicated they were also willing to stand for election for the 2018/19 Season:

<b>Chairman:</b>	<b>Prof. Jim McGuirk* (Emeritus Professor of Aerodynamics, Loughborough University)</b>
<b>Committee Member</b>	<b>Dr. Adrian Spencer*, Loughborough University</b>

**N.B. Lauren Carroll did not stand for re-election since she has moved away from the area.**

\*RAeS members.

All those standing for election were elected nem con.

Proposer – Stan Stevens, Secunder – Mac Maccabee

## 10 Any Other Business

There was none.

**Colin Moss MRAeS, Branch Secretary**

## APPENDIX 1 - Secretary's Report on the 2017/18 Season

### 1.1 Lectures

In all a total of ten lectures were planned for the 2016/17 programme. These are as shown in the table below. Refer to RAeS Loughborough Branch website for full reports on the lectures (including attendances).

<b>Date</b>	<b>Lecture/Lecturer</b>
10 <sup>th</sup> Oct 2017	<b>MQ-9 Reaper Operations</b> by Paul Clarke, QinetiQ, MoD Boscombe Down.
7 <sup>th</sup> Nov 2017	<b>Bloodhound SSC – the 1000 mph Car</b> by Richard Noble, Project Director, Bloodhound Project.
21 <sup>st</sup> Nov 2017	<b>Designing the e-Go Light Aircraft</b> by Giotto Castelli, Co- founder and Chief Designer, e-Go Aeroplanes <i>Joint lecture with Loughborough University Velocity Society</i>
5 <sup>th</sup> Dec 2017	<b>Corporate Jet Cabin Evolution</b> by David Velupillai, Marketing Director, Airbus Corporate Jets, Toulouse
16 <sup>th</sup> Jan 2018	<b>The Comet Accidents and Investigation</b> by Dr. Paul Withey, Rolls-Royce Engineering Associate.
6 <sup>th</sup> Feb 2018	<b>Graphene – The New Material for Aviation</b> by Dr. Matthieu Gresil, School of Materials, Manchester University <i>Joint lecture with IMechE</i>
20 <sup>th</sup> Feb 2018	<b>The Airlander – Hybrid Air Vehicle Project</b> by Andy Barton, Business Development Director (commercial markets) of Hybrid Air Vehicles <i>Joint lecture with Loughborough University Velocity Society</i>
13 <sup>th</sup> March 2018	<b>Rolls-Royce Aero Engines: a proud heritage and an exciting future</b> by Professor Richard J Parker, Former Director of Research and Technology, Rolls-Royce Group <i><u>Elfyn Richards Prestige Lecture</u></i>
8 <sup>th</sup> May 2018	<b>Sopwith Camel and Eurofighter Modern Air Combat Fighters of their day</b> by Dr. Eric Gillies, Honorary Research Fellow at Glasgow University School of Engineering.
12 <sup>th</sup> June 2018	<b>Loughborough University MEng Final Year Aircraft Design Projects – series short lectures.</b> This series of mini-lectures will be given by groups of final year MEng students and will describe the results obtained from their projects. <i>Joint Event with University Dept of Aero &amp; Auto Engineering</i>

### 1.2 Visits

Visit to East Kirkby Large Model Aircraft Display 1<sup>st</sup> May 2017.

## APPENDIX 2 - Treasurer's Report on the 2018/19 Season

### 1. Review of the 2018/19 Lecture/Visits Programme

#### 2.1 Review of 2018/19 Lectures

The lectures shown in the table below have been planned for the 2018/19 Season:

Date	Lecture
16 <sup>th</sup> Oct 2018	Queen Elizabeth Class Aircraft Carriers – Flagships for the Future by Mark Dannatt, Project Director, UK MoD <i>Elfyn Richards Prestige Lecture</i>
5 <sup>th</sup> Nov 2018 (Monday*)	Taranis UAV Flight Testing by Jon Wiggall, BAE Systems – Military Air and Information <i>Possible Joint lecture with Loughborough University Velocity Society</i>
20 <sup>th</sup> Nov 2018	Chasing Bears in the Phantom by Captain Nick Anderson, Virgin Atlantic and ex-RAF fighter pilot.
11 <sup>th</sup> Dec 2018	From ocean to stratosphere with solar energy by Raphael Domjan, SolarXplorers SA ( <a href="http://www.solarstratos.com">www.solarstratos.com</a> )
22 <sup>nd</sup> Jan 2019	Computational Fluid Dynamics (CFD) by Prof. Gary Page, Dept. Aeronautical Engineering and Transport Studies, Loughborough University
11 <sup>th</sup> Feb 2019 (Monday*)	In the Blink of an Eye (Head- Mounted Displays Development within BAE Systems) by Alex Cameron, Product Manager Survivability, Targeting & Sensing Solutions, BAE Systems Electronic Systems <i>Possible Joint lecture with Loughborough University Velocity Society</i>
26 <sup>th</sup> Feb 2019	Commercial Helicopter Operations (talk already given to RAeS Cranwell Branch) by Steve Hogarth, Aviation Consultant and RAeS Loughborough Branch Treasurer
19 <sup>th</sup> March 2019	Hybrid Electric Aircraft by Dr. Panagiotis Laskaridis, Senior Lecturer, Centre for Propulsion Engineering, Cranfield University <i>Possible Joint lecture with IMechE</i>
7 <sup>th</sup> May 2019	Blue Steel – The V Forces Stand-off Bomb by Air Commodore Norman Bonnor FRAeS FRIN RAF (Ret'd)  <b>Lecture to be preceded by AGM at 7.00 p.m.</b>
11 <sup>th</sup> June 2019	<b>Loughborough University MEng Final Year Aircraft Design Projects – series short lectures.</b> ( <i>N.B. Start time 7.00 p.m, venue Room J104, Edward Herbert Building</i> ). This series of mini-lectures will be given by groups of final year MEng students and will describe the results obtained from their projects. <i>Joint Event with University Dept of Aero &amp; Auto Engineering</i>

\*Lecture date set for a Monday to maximize potential of student attendance.

## **APPENDIX 2 - Treasurer's Report on the 2018/19 Season**

### **2.2 Review of 2017/18 Visits Programme**

The visits shown in the table below are being considered for the 2018/19 Season:

Visit No.	List of Possible Visits	Date
1	Toyota factory, Burnaston	TBD
2	JCB	TBD
3	Large Model Aircraft Society Event/Museum: Cosford	TBD
4	Large Model Aircraft Society Event: East Kirkby, Lincs	TBD
5	RAF Museum, Hendon	TBD
6	Bruntingthorpe	TBD
7	Martin Baker (Ejection Seats)	TBD

## APPENDIX 2 - Treasurer's Report on the 2018/19 Season

### Royal Aeronautical Society - LOUGHBOROUGH BRANCH



#### Statement of Accounts – Season 2016/2017 and 2017/2018

A. INCOME and EXPENDITURE ACCOUNT	2016/2017	2017/2018	
	£	£	
<b>INCOME</b>			
1. Grant from Society Headquarters,	1800.00	1800.00	
2. Subscriptions by Branch 'Friends'.	740.00	810.00	
3. Donations (collections) at lectures.	397.35	378.10	
4. Visit to Shuttleworth	504.00 (Note 1)	--	
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<b>TOTALS</b>	<b>3441.35</b>	<b>2988.10</b>	
<b>EXPENDITURE</b>			
1. Lecture expenses (travel, accommodation and hospitality.	1172.45	1085.08	
2. Room Bookings.	840.00	900.00	Note (2)
3. Use of Audio/Visual Aids.	-	-	Note (3)
4. Secretarial, publicity and programmes.	542.05	552.63	
5. Branches Conference and Forum.	59.00	74.75	Note (4)
6. Website expenditure.	78.92	110.10	
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<b>TOTALS</b>	<b>2692.42</b>	<b>2722.56</b>	
Surplus (Deficit) on year.	748.93	265.54	

#### Notes:

1. Income to balance previous year expenditure on visit booking.
2. 7.1 % increase without consultation.
3. Provision for an accrual of (£1620) to be made to account for Loughborough University late invoicing for Audio/Visual use.
4. We did not attend the Branches Conference this year but did attend Branches Forum

## APPENDIX 2 - Treasurer's Report on the 2018/19 Season



### B. STATEMENT OF BANK BALANCES at 3<sup>rd</sup> May 2018

Brought forward balances from last season	£	
Current Account at 25/04/17.	6621.62	
Capital Account at 25/04/17.	2.34	
TOTAL	<u>6623.96</u>	
Surplus on year	265.54	
TOTAL	<u>6889.50</u>	
Represented by current balances:		
Current Account at 03/05/18	6887.16	
Capital Account at 03/05/18	2.34	
TOTAL	<u>6889.50</u>	Note (1)

#### Notes:

(1) Accrual to be made of £ 1620 for billing from Loughborough University for use of Audio/Visual equipment, would bring total balances to £5269.50. Last invoice for A/V use 25 April 2015 - average cost £540 per season. All meetings thereafter have not been invoiced. Written request to University Facilities Department made - awaiting outcome of their internal enquiries.

Stephen Hogarth, Hon. Treasurer, RAeS Loughborough Branch 3<sup>rd</sup> May 2018

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