

6 March 2019

## AGM – AOC Awards Plea – New Book – DSEI 2019

**AGM** The Annual General Meeting of the UK Chapter will be held in the Royal Air Force Club, London, in 2 weeks, on Wednesday 20 March 2019. All members are encouraged to attend this excellent opportunity to meet the Board, to hear a report on the Chapter's activities and its financial health and to help shape its future. In addition the meeting will cover fraudulent issues affecting the UK Chapter. The AGM will start at 18:30 and it will be followed by a hot and cold finger buffet. Phil Davies is running the evening. If you want to attend this free event please complete the proforma below and return it, or email him the information, so we can order the right amount of food and inform the Club of attendees' names for security purposes. More information and the proforma are available on page 5. **Please make every attempt to come to this important AGM.**

### Visit to HMS Diamond - Report

The UK Fleet EW Award was presented by our Vice-President Chris Howe, MBE, to the EW Section of HMS Diamond in harbour at Portsmouth on 4<sup>th</sup> March. The selection of HMS Diamond for the 2018 Award was a close run competition, according to the Fleet Warrant Officer who was a member of the Royal Navy award selection team. Much hinged on her excellent performance in support of operations in the Eastern Mediterranean, where she was on extended 24/7 alert.



Her deployment was part of the ongoing counter-ISIS NATO operations where she used her state-of-the-art technology to gather intelligence on the air battlespace, sharing this with the RAF and international allies in the region. HMS Diamond also proved her ability to integrate with the UK Air Component Commander (UKACC) by working with the RAF assets based in Cyprus, in a real threat environment. Working with E3s, Voyagers, Tornados, Typhoons and F-16s, HMS Diamond shared a congested environment, directing a variety of aircraft operating with other NATO Forces.

The visit was well managed by Sub Lt Dominic Jacobs, the ship's Intelligence Officer, who is in charge of the EW Section. The award together with the Chapter cheque was accepted by P.O. Kelly. The presentation was made in the hangar with all available members of the crew in attendance; some 150 officers and other ranks. The Captain, Cdr Ben Keith, spoke well of the vital importance of the EW and Intelligence contribution to the ship's combat capability.



There was a very interesting discussion in the Operations Room, around the EW command and control displays, with P.O. Kelly and the Fleet Warrant Officer fielding a wide variety of questions from members of the Chapter. A very satisfactory visit, our departure being made necessary because the ship was about to slip her mooring and the alternative was to stay on board for much longer!!

Other visit images:



**New Book** Frequent Chapter newsletter contributor, John “Jacey” Wise MBE has written a new book titled “The Navy is Listening”, Vol 1 is now on the street. John sent this description: *A brief history of Radio Warfare in the Royal Navy 1895 to 1945. A4 format, 220 pages with around 180 pictures plus a DVD with 16 Appendices of a further 200 pages of supporting research, including Excel spreadsheets of all the UK and Commonwealth intercept sites and D/F fitted units during WWII along with chronology of the development of shipborne D/F system from 1910 onwards. Price £30, plus p&p, which sadly is no long inexpensive. John is planning on bringing some copies to the RAF club for anyone interested in buying a copy (and no p&p!).*

**AOC Awards Plea from AOC Awards Chair Dr Bob Andrews MBE** Chapter member and AOC At-Large Director Dr Bob Andrews MBE, sent the following email: *As you know, I am now the Awards Chair on the AOC Board of Directors and my mission this year is to get more non-USA nominations into the process as the historical numbers do not represent the proportion of members outside of the USA; in fact well below the 20% figure (non-USA members as a % of the total AOC membership).*

*I know the UK Chapter presents some local awards each year and also submits nomination for the general AOC international awards. I think the chapter can still take a step further and apply for more AOC international awards – these are open to all AOC members and not just the USA. The process is easy on the new AOC website and I know there are some deserving candidates in the UK from the military, Academia, DSTL, QinetiQ and from the large UK EW industry base. I have highlighted some of the most appropriate ones to start with but there others – please refer to AOC OpMan 31 for more details and the criteria (on the AOC website under the Membership tab). **The letter and list of suggested awards are on page 7 below.***

**AOC Awards - UK BOD comment** The UK BOD actively and for many years has encouraged awards for Chapter members and has 100% record of success. **We need Chapter Members to nominate suitable candidates and send a short rationale - we will do the rest, including making arrangements for Award presentation.**

**DSEI 2019** DSEI 2019 is scheduled for 10-13 September at EXCEL in London Dockland. The Chapter have once again been offered a stand in the Joint Arena and are seeking **volunteers** to run the stand, brief about the AOC, EW and EM operations – and critically to recruit new members. After the success of the inaugural 2017 Seminar, we have been invited to run another one; this time on Wednesday 11 September; 15:00 – 17:00 in the prestigious Joint Theatre. More details will follow but the title is *Electronic Warfare and Cyber Electromagnetic Activities – where are we now and where are we going*. Confirmed speakers include Major General Borys Kremenetskyi, Major General, UKR-Air Force, Defence and Air Attaché, Embassy of Ukraine to the UK, Ukraine; Professor David Stupples, Professor of Electronic and Radio Systems, Director EW Research, City, University of London, AOC At-Large Director, UK; Colonel Alan Blackwell (British Army Retd), Director, ABAL Insight Ltd, UK and Commander von Spreckelsen, Chief Policy Section NATO Joint EW Core Staff, Germany – Navy (Invited). Air Marshal Philip Sturley will once again chair the seminar. (All subject to change for operational reasons.)

**Serving Military 1-Year Complimentary Membership** As mentioned in a previous newsletter, the AOC BOD has agreed to offer 1-year complimentary membership to serving military. The UK Chapter has been working with the AOC to develop a straightforward practical scheme for individuals, units, stations, etc, who might benefit themselves, the military and the UK, from knowing more about EW, EM Operations including SIGINT, CEMA, IW/IO, cyber, etc. in the warfare contexts of the 21<sup>st</sup> Century including A2/AD, Multi-Domain Warfare, Hybrid Warfare and so on. AOC membership provides an outstanding monthly magazine written by passionate world-renowned experts, access to frequent Webinars and to the 80 hours or so of content from world leading academics and military specialists, career advice, CPD at some events, and much more. The arrangements are now in place. There are 3 membership forms with this newsletter including the new 1-Year military membership application. Please complete the latter form for each individual serving military person, get them signed by the individual concerned (to comply with GDPR requirements), scan them, and email to Membership Director Ian Fish – [piscene1@gmail.com](mailto:piscene1@gmail.com). Ian will send them to the AOC membership team. The under 26 deal has been available for some time, but also new is a discounted \$25 rate for all new members, hence the 3<sup>rd</sup> PDF.

**This year's DEHS Burns Lecture Day** will again be held at STEAM, Museum of the Great Western Railway, Fire Fly Avenue, Swindon, SN2 2EY ([www.steam-museum.org.uk](http://www.steam-museum.org.uk)). The Symposium will be on Thursday 2nd May. The programme will start with Registration and coffee at 1000-1045 and will end around 15.30. The DEHS Annual General Meeting will be held during the day. Jonathan Aylen, President-elect of the Newcomen Society and DEHS 2019 Burns Lecturer, will at 2pm deliver the “Cold War to Coal Trains”; there will also be two lectures in the morning – “The last Franco-British War”, by DEHS Chairman Dr Phil Judkins and “Choosing System Batteries” by Peter Butcher, DEHS ‘Transmission Lines’ Editor. During the day there will also be a display of equipment under restoration. All details for registration etc are on page 6.

**Symposia at Shrivenham Call for Papers (C4P)** the C4P for “The EW (Electromagnetic) Technology Conference scheduled 17-20 June is open. More information is available here: <https://www.cranfield.ac.uk/events/symposia/ewtc>

**Finally** That’s all folks. I’ve listed a few dates below, where you might consider joining us and the wider AOC community in 2019. Do remember, the UK Chapter is all about you, so please stay engaged and let the Board know what you want. Feedback is always welcome; otherwise we operate in a vacuum. We need more diverse and young members to become actively involved in what the Chapter does – any ideas are most welcome. The 3-year young adult complimentary membership is a great initiative and one the UK Chapter has worked towards for many years – please think about it and use it wisely, for example let your apprentice and training teams know about it. Please send ideas about recognising suitable individuals or organisations for AOC and/or UK Chapter awards. We are particularly keen to encourage apprentices in industry, academics and serving personnel learning new EW-related skills.



John Clifford OBE  
UK Chapter President

### **SOME DATES FOR YOUR 2019 DIARY**

**UK Chapter AGM, Wednesday 20 March 2019 RAF Club, London. Further details on page 4**

**DEHS Burns Lecture STEAM Museum, Thursday 2 May 2019 – Further detail on page 5**

**AOC EW Europe 2019 Stockholm**, Stockholmsmässan, 13-15 May 2019

**Symposia at Shrivenham** EW/EM Technology Conference 17 – 20 June 2019

**DSEI EXCEL London** 10-13 September 2019

**DSEI UK Chapter EW/CEMA Seminar** Joint Zone Theatre 15:00 – 17:00 Wednesday 12 Sept 2019

**Visit to 30 Cdo Y Sqn Stonehouse Barracks Plymouth** Date TBD 2019

**Check out our website at [www.ukaoc.org](http://www.ukaoc.org)**

**You can also check out career opportunities there too, by clicking on the**

**Home Page “EW Job Vacancies” button**

**Thales has become the latest Company to advertise on the UK Chapter website – they are looking for an ECM Design Authority / Technical Expert – for more information check out the website at [www.ukaoc.org](http://www.ukaoc.org).**



**UK CHAPTER**

# **ANNUAL GENERAL MEETING 2019**

**Royal Air Force Club, 128 Piccadilly, London W1J 7PY**

**Wednesday 20 March 2019**

The Annual General Meeting of the AOC UK Chapter will be held in the Royal Air Force Club, 128 Piccadilly (Hyde Park end) on **Wednesday 20 March 2019**. All AOC members are encouraged to take this opportunity to meet the UK Chapter Board, to hear a report on the Chapter's activities and its financial health and to help shape its future. Guests with a view to becoming AOC members will be most welcome but will have no voting rights at the AGM.

The programme for the AGM, to be held in the Millennium Suite, is:

**1800: Pre-AGM drinks.**

**1830: AOC AGM.**

**1945: Finger Buffet.**

Members wishing to attend should complete the proforma below and send it by e-mail to Phil Davies as soon as possible. There is **no charge** to attend the AGM and the application is for administrative and RAF Club security purposes only.

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To: Phil Davies

E-mail: [PhilDavie@aol.com](mailto:PhilDavie@aol.com) (note, no "S" after PhilDavie!)

I wish to attend the AOC AGM on **Wednesday 20 March 2019**.

Name:

AOC Membership No:

Telephone:

E-mail:



# 2019 BURNS LECTURE DAY

## THURSDAY 2 MAY 2019

This year's Burns Lecture Day will again be held at STEAM, Museum of the Great Western Railway, Fire Fly Avenue, Swindon, SN2 2EY ([www.steam-museum.org.uk](http://www.steam-museum.org.uk)). The Symposium programme will start with Registration and coffee at 1000-1045 and will end around 15.30. The DEHS Annual General Meeting will be held during the day.

Jonathan Aylen, President-elect of the Newcomen Society and DEHS 2019 Burns Lecturer, will at 2pm deliver the Burns Lecture "*Cold War to Coal Trains*"; there will be two lectures in the morning – "*The last Franco-British War*", by DEHS Chairman Dr Phil Judkins and "*Choosing System Batteries*" by Peter Butcher, DEHS 'Transmission Lines' Editor. During the day there will also be a display of equipment under restoration.

For drivers, a map is available on the STEAM website; and **DRIVERS PLEASE NOTE – Swindon is a complex town to navigate by road, and especially so at morning and evening rush hours. If in doubt, come by train if you can!** For those who opt to come by train, Swindon is easily reached via the London Paddington/ Bristol line, and STEAM is 10 - 20 minutes' walk from Swindon Railway Station. Turn right outside the Station, stay on the right-hand side pedestrian path and keep going until you come to a pedestrian sign that directs you through the GWR tunnel that connects to the Churchward site. Your route will pass English Heritage HQ and Thomas Homes apartments, soon leading to STEAM Museum.

Please send completed forms as soon as possible, and not later than **Saturday 27 April**, together with cheques made out to 'DEHS' for **£16 per person, to include coffee at registration, sandwich lunch and afternoon tea**) to:

**Dr Phil Judkins, 18 St John's Square, Wakefield, West Yorkshire WF1 2RA.**

**Online payment:** as an alternative to mailing forms and cheques, please email scan/image of form to [philjudkins@btinternet.com](mailto:philjudkins@btinternet.com) and pay online via: PayPal to [treasurer@dehs.org.uk](mailto:treasurer@dehs.org.uk), or BACS transfer to DEHS account No. 77535235 / Sort Code 55-70-10, with Ref "SL19 [Your surname & initials]"

### BRING AN EXHIBIT OF INTEREST TO DISPLAY AT THIS SYMPOSIUM

We look forward to seeing you!

Please note that we normally acknowledge bookings by e-mail; by post ONLY if you enclose a Stamped Addressed Envelope



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I will be attending the DEHS Burns Lecture Day on Thursday 2 May 2019:

Name(s): .....

Address: .....

.....Postcode: .....

E-mail: .....Tel: .....

I have paid by: cheque / PayPal / BACS transfer [Please underline as appropriate]

## Letter on AOC Awards from the AOC Awards Chairman – Dr Bob Andrews MBE

As you know, I am now the Awards Chair on the AOC Board of Directors and my mission this year is to get more non-USA nominations into the process as the historical numbers do not represent the proportion of members outside of the USA; in fact well below the 20% figure (non-USA members as a % of the total AOC membership).

I know the UK Chapter presents some local awards each year and also submits nomination for the general AOC international awards. I think the chapter can still take a step further and apply for more of AOC international awards – these are open to all AOC members and not just the USA. The process is easy on the new AOC website and I know there are some deserving candidates in the UK from the military, Academia, DSTL, QinetiQ and from the large EW industry base. I have highlighted some of the most appropriate ones to start with but there others – please refer to OpMan 31.

### **Group One** – AOC Prestige Awards

01-03 – Joseph W. Kearney Pioneer Award - there are many UK EW pioneers still alive and kicking particularly at Thales, BAE and Leonardo.

01-04 – Anton D. Brees Lifetime Service Award (3) – there seems to be a UK nomination every year - great

01-05 – Technology Hall of Fame Award (5) – Industry in particular

### **Group Two** – Electromagnetic Spectrum Operations (EMSO) Awards

02-01 – A.C. McMullin Electronic Attack (EA) – some great people involved in EA

02-02 – Jerry Sowell Electronic Protect (EP) – some very good EP candidates

02-03 – John Marks Electronic Warfare Support (ES) – also some very good ES candidates

02-04 – Electromagnetic Battle Management (EMBM)

02-05 – Jeffrey B. Jones Cyber Operations

02-06 – Directed Energy (DE) – a lot of work going on the UK on high power microwaves and high power lasers

02-07 – EO/IR – some very good specialists at Leonardo, Thales and DSTL in the EO/IR area

02-08 – Spec 4 James Davis Maintenance Award

02-09 – CTTCM Clay A Conner Training Award

### **Group Three** – Electromagnetic Spectrum (EMS)

#### Program Awards

03-01 – Stanley B. Hall Executive Management

03-02 – Clark G. Fiester Program Management

03-03 – Integrated Product Team

03-04 – Test & Evaluation – Industry, DSTL as well as the military.

03-05 – International Achievement – another area to consider particularly in the military

So over to you and the UK BoD to come up with some excellent nominations this year. If you have any questions let me know and I would look forward to having the privilege of my awards team (including yourself of course) assessing great UK nominations for the annual AOC awards.

Best regards

Bob

Bob Andrews

AOC Awards Chairman