

21 January 2019

## Visit to HMS Diamond - Complimentary 1-year Military Membership.

**Visit to HMS Diamond** The Chapter have arranged a visit to HMS Diamond in Portsmouth on Monday 4<sup>th</sup> March 2019. The visit will include presentation of the UK Chapter RN Fleet EW Effectiveness award. Full details are on page 3, at the end of the newsletter.

**Leading Seaman (Electronic Warfare) Winner Sarah Wyatt** – was selected to receive the UK Chapter award as best student on the RN EW Qualifying Course. The award consists of a cheque and commendation.



After graduating, LS (EW) Wyatt was drafted to HMS Northumberland. The photograph shows Sarah receiving the commendation from her CO. Sarah sent a lovely letter to the BOD expressing her appreciation as well as acknowledging the fantastic job the instructors on the Course at Collingwood do.

**Serving Military 1-Year Complimentary Membership** as mentioned earlier, the AOC BOD has agreed to offer 1-year complimentary membership to serving military. The UK Chapter is 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 – [piscnel@gmail.com](mailto:piscnel@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.

**New Articles** – Jacey Wise MBE has provided an excellent short paper on “Radio Photonic Radar” – many thanks to John for his prodigious and prestigious contributions, of which this is astonishingly his 50th. Don’t be shy – please feel free to contribute an article to the UK Chapter. As a reminder these articles are only available as attachments to UK Chapter Newsletters – they are not posted on

our website. Any views contained in them are the author's alone. To potential New Authors - the UK Chapter membership includes many world class professionals and many of them are distinguished writers in their own fields and on a wide variety of media. All of them are very happy to encourage new thinkers, writers and creative folk and to help them polish their work. Send your articles and let us work together to benefit the field of EW, cyber and EM manoeuvre operations.

**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 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. All details for registration etc are on page 4.

**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**

**Third AOC EW Asia - Singapore Conference – Marina Bay Sands, 29/30 January 2019**

**HMS Diamond Visit – Portsmouth 4 March 2019 – Further details below on page 3**

**UK Chapter AGM, Wednesday 20 March 2019 RAF Club, London**

**DEHS Burns Lecture STEAM Museum, Thursday 2 May 19 – Further detail on page 4**

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

## VISIT TO Type 45 HMS Diamond

**Monday 4<sup>th</sup> March 2019**

Your Board is very pleased to announce that a visit to Type 45 Destroyer HMS Diamond has been arranged for AOC members.

HMS Diamond is the third ship of the Type 45 or Daring-class air-defence destroyers built for the Royal Navy. Launched in 2007, she was formally commissioned on 6 May 2011



During the visit the AOC chapter will be proud to present the EW team of HMS Diamond with the RN Fleet EW Effectiveness Award for 2018. The presentation will be made in front of the whole ship's company and will be followed by a tour of the ship for the AOC attendees.

### **VISIT LOCATION and TIME**

Participants will meet at Trafalgar gate, Portsmouth dockyard at 09:30 to be escorted to the ship for the start of the visit at 10:00. The visit will end by 12:30.

**Security Clearance is not required for this visit but participants must bring their passports.**

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AOC Members wishing to attend should send an email to Sue Robertson ([sue@gpl.co.uk](mailto:sue@gpl.co.uk)) and Chris Howe ([cahowe500@gmail.com](mailto:cahowe500@gmail.com)) as soon as possible.

Please include the following information in your message:

Full Name:

Nationality:

AOC Membership No:

Mobile No:

Car Registration No:



# 2019 BURNS LECTURE DAY

## THURSDAY 2 MAY 2019

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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]