

10 October 2017

AOC Elections – Visit to NATO JEWCS – Request for EW History Support – Christmas Awards Dinner - Radar Conference – Under 26 Young Adult Complimentary Membership Scheme

AOC Elections 2017 The AOC elections for President in 2018, At-large Director and local regional (US) Directors ended on 31 September and the results have now been announced. With 11,430 eligible voters worldwide the turnout was 1186 (10.38%). The AOC President for 2 years from late in 2018 will be Muddy Watters with 59.9% of the vote. The 2 elected At-Large Directors (from December this year) are Amanda Kammier (former Prowler EWO) and Professor David Stupples, our very own Chapter Academic Director. Congratulations to all those who stood and those elected and thanks to every one of you who voted.

Visit to NATO JEWCS Visits Director Dr Sue Robertson has worked with NATO JEWCS to finalise a visit there on Wednesday 1 November 2017. NATO JEWCS do a great job and this is sure to be an excellent and popular visit. So sign up as soon as possible – numbers are limited but there are a couple of places remaining. More information is available on page 4 below, together with the registration details. Spaces are limited so register **today**.

UK EW Documentary – Request for Expertise I received a request this week from a UK company planning on making an EW Documentary. Here is the request based on a couple of emails from Ben Hudson:

I am writing on behalf of Woodcut Media, a production company based in London and Hampshire. We are currently in the research stages of a series that aims to tell stories of interesting military machines and I am focusing on an episode on "Electronic Warfare". Consequently I am looking for people with anecdotal and/or expert knowledge of electronic warfare who might be open to contribute their stories on screen. Woodcut Media is a production company that make historical war documentaries amongst other things: <http://woodcutmedia.com/>. We are currently in the research stages of this series, and I am looking into potential stories of electronic machines that have played significant roles in war. So, for example, things that have come up on the radar (excuse the pun) are the Aspidistra radio transmitter in Sussex, Cobra Mist Radar station in Suffolk, the Cold War story of Operation Ivy Bells etc. We are also looking at stories on smaller, handheld devices – the SCR 300/560 and the GEE-H radio navigation system, both of which were WWII devices. However we are open to any other stories of electronic devices with a good war story. Also, it is always helpful to be in contact with general experts in the field who might help tell the story of electronic warfare in general.

This looks like an interesting and potentially very useful project, so if you are willing and able to help please email Ben: bh13168.2013@my.bristol.ac.uk and please let Ian Fish our membership director know how you get on. We will also pass this request to the DEHS.

Christmas Awards Dinner With the end of the year fast approaching, it's time to start planning to celebrate 2017 and get ready for 2018. Time is pressing! Last year's Chapter Christmas Dinner was great fun and gave us a chance to recognise the achievements of some of our members. We want it to be bigger and even better this December but places are limited so please book as early as possible – now! Black tie was a hit last year so it will be the preferred choice again this year, with Miniatures, but is not essential. You will find more information and an application form below on page 5. Many thanks, to Phil Davies, for once again making the arrangements for our Christmas party. PS – Phil's email address is phildavie@aol.com – without the "s"!

Vectors in Radar Technology 7/8 November University College London UK Chapter member Professor Hugh Griffiths has invited up to 6 UK Chapter members to an eminent 2-day conference next month. Our Academic Director Professor David Stupples is presenting on "*The Future of Battlefield ELINT against Emerging LPI Radar*" and sent the following theme for his talk "*The electromagnetic spectrum continues to be a battleground between on the one hand radar systems developers and on the other ELINT developers. The talk will focus on future airborne and space-borne ELINT systems to address: emerging LPI technologies for battlefield defence radars; location of radar targets hidden in noise and co-channel interference; and drone-based ELINT sensors.* Some background from the organisers:

*"Dear Colleague,
I am writing to invite you to a two-day event to be held at University College London in November. This follows the highly-successful event held in November 2015; its purpose is to present predictions of where radar technology is going, what are the key directions or "vectors" for radar and what their impact will be. The event is supported by the US Office of Naval Research (Global) and is by invitation only."*

More information together with an introduction and the topics covered is on page 6 along with an application form for this free but invitation-only event.

Young Adult Complimentary Membership The AOC has introduced a complimentary 3-year membership scheme for young adults under the age of 26 in a 5-year trial. The UK Chapter BOD has campaigned for a new approach to membership over the past couple of years. Several young adults have already joined the AOC and UK Chapter – we want many more. Why not contact your HR or Unit personnel staff and let them know about this great scheme? Apart from being free, membership is identical to regular membership and gives access to the monthly Journal of Electronic Defense, voting in AOC elections, e-Crow weekly news updates, webinars including the back-catalogue, searchable back copies, the EW/SIGINT resource database, etc. In the case of the UK, they can also access our events, Chapter newsletter, meetings and seminars. You can download the membership form from the AOC HQ website:

<http://www.crows.org/membership/individual-membership.html> Follow by clicking, near the bottom of the page on: [Interactive Free 25 and under Membership Application Form](#) . An AOC member or company/unit official can sign-off the form, certifying that the details are correct. Completed forms should be sent to Blain Bekele (blain@crow.org) with a copy sent to our membership director, Ian Fish (piscene1@gmail.com) so we can help to resolve any issues, if they arise. You can also contact UK Chapter Board members via our own website www.UKAOC.org and the contacts page.

Members We have lost contact via email with Harry Frost, Vic Bussereau and Philip Pearson. If any of you has a working email address of any of them please let our Membership Director, Ian Fish, know: piscene1@gmail.com The BOD are delighted to announce that **Wg Cdr Garry Crosby RAF (Retd)** has accepted an invitation to join us in the non-executive role of **Aviation Director**.

New Articles Jacey Wise MBE has provided a report on "*The PLAN and South China Sea*" and updated version of his article "*Radar News*" – many thanks John for his prodigious and prestigious contributions, of which this is his 44th. 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. **In future** we will be looking for members willing to propose topics and mentor young military personnel on courses and specifically on course projects.

New Chapter Flyer The BOD has updated the UK Chapter flyer. A PDF version is available from a link on the UK Chapter website; a copy is attached to this newsletter. If you would like some printed copies for recruitment, please let me know and I will send you some.

Finally That's all folks. I've listed a few dates below, where you might consider joining us and the wider AOC community in 2017 and 2018. In particular, we want as Chapter many members as possible to join us at the **RAF Club Chapter Christmas Party and Awards Dinner on 8 December** to recognise the award winners and well, party! Mark it in your Diary now. More information is on page 5. 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 2017 / 2018 DIARY

Visit to NATO JEWCS – RNAS Yeovilton, 1 November 2017

Vectors in Radar Technology Conference (invitation-only) 7/8 November University College London

DEHS Autumn Symposium, Savage “Little” Wars STEAM, Swindon, Friday 13 October 2017

Visit to 30 Cdo Y Sqn Stonehouse Barracks Plymouth Date TBD 2018

Visit to 11 EOD Regiment, RAF Northolt, Date TBD 2018

54th AOC International Symposium and Convention - November 28 - 30, 2017
Marriott Marquis and DC Convention Center, Washington, DC
“Innovation and Change in Electromagnetic Warfare”

UK Chapter Christmas Awards Dinner – RAF Club Friday 8 December 2017

And for your 2018 Diary

Second AOC EW Singapore Conference – Marina Bay Sands, 30/31 January 2018

UK Chapter AGM, Thursday 22 March 2018, RAF Club, London

AOC EW Europe 2018, Congrès Bealieu, Lausanne, Switzerland, 5-7 June 2018

Check out our website at www.ukaoc.org

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

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



VISIT TO NATO JEWCS

Wednesday 1st November 2017

Your Board is very pleased to announce that NATO Joint EW Core Staff (JEWCS) have offered to host a visit by AOC chapter members on **Wednesday 1st November 2017**.

NATO Joint Electronic Warfare Core Staff (JEWCS) is located at RNAS Yeovilton (Taranto Way, Yeovil **BA22 8HT**).

The visit will be unclassified; please bring and carry at all times photo ID.

The provisional timetable for the visit is as follows:

10:30	Arrival at NATO JEWCS & Registration for Pass
10:40	Welcome to AOC UK Chapter members
10:50	Introduction to NATO JEWCS
12:00	Lunch in the Wardroom
13:15	Tour of JEWCS assets
15:15	Wash-up Session & Plaque Presentation
15:30	Depart

Members wishing to attend should send the following information by e-mail to Sue Robertson as soon as possible (sue@gpl.co.uk).

Full Name:

Company:

AOC Number:

Car Make, Model and Registration:

Nationality:

Mobile Phone:

Any special dietary requirements:



CHRISTMAS AWARDS DINNER

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

Friday 8 December 2017

The AOC UK Chapter Board is very pleased to confirm that the annual AOC UK Chapter Christmas Dinner will be held in the Royal Air Force Club, Piccadilly (Hyde Park end) on **Friday 8 December 2017**. All AOC members, their partners and guests will be most welcome at this very enjoyable festive occasion. Like last year, let's make this a grand occasion with as many as possible attending as we will also recognise the achievements of Chapter members and units.

The outline programme for the evening is:

1800: Pre-dinner drinks in the Victoria Bar.

1900: Christmas Dinner in the President's Room.

Carriages as required

Dress: Gentlemen, **Black Tie & Miniatures** preferred; Ladies, as appropriate.

The Dinner will cost £50 per head, including wine and port at the table, and will also be supported by a subsidy from Chapter funds. Members wishing to attend should complete the proforma below and send it by e-mail to Phil Davies no later than Friday 1 December 2017 (or simply send Phil the information via email). Payment on the night is preferred but, having made a commitment to the RAF Club, we regret that payment for the dinner will still be due in the event of a late cancellation by a member after 4 Dec 2017. If you would like to pay early and send a cheque please contact Phil and he will provide his address.

To: Phil Davies E-mail: phildavie@aol.com

I wish to attend the AOC Christmas Dinner on **Friday 8 December 2016**.

Name: AOC Membership No:

Guest(s):

Telephone: E-mail:

Any special dietary requirements (e.g. vegetarian)?



Invitation to Participate – University College “Vectors in Radar Technology” Conference 7/8 November 2017

Six UK Chapter members are invited to a two-day event to be held at University College London in November. This follows the highly-successful event held in November 2015; its purpose is to present predictions of where radar technology is going, what are the key directions or “vectors” for radar and what their impact will be. The event is supported by the US Office of Naval Research (Global) and is by invitation only.

Conventional radar conferences are inherently retrospective; the papers focus on research that has been performed or the systems that have been developed. *Vectors in Radar Technology* will be a platform for leading radar technologists from academia, government, and industry to indulge in blue-sky predictions about the future of radar, to effectively extrapolate the state of technology. We anticipate that this will be a very interactive workshop; the presenters will be challenged and will have to defend their predictions. The participants will report and discuss current ‘hot topics’ in radar and decide the way forward for each. There will be a poster session and reception on the evening of 7 November. We anticipate discussions led by world experts, and contributions from participants, in the following topical areas:

- Passive Radar
- SAR and interferometry
- Sea clutter modelling
- Precision Navigation and Timing
- Through-wall imaging radar
- Micro Doppler
- Data fusion

Please bookmark these dates in your diary and reply to indicate your intention to attend:

I intend to attend ‘Vectors in Radar Technology’.....YES.....NO.....

And I can offer a paper provisionally entitled:

.....

Full Name:

Company:

AOC Number:

Email Address:

Please send the information to Professor Davis Stupples: D.W.Stupples@city.ac.uk

You will be advised if your application is successful as quickly as possible. First come, first served!