



## **UK CHAPTER NEWSLETTER**

### **August 2022**

### **UK Chapter Celebrates 50 Years in 2022**

Once again, a gentle reminder that the UK Chapter is 50 years of age this year, so to mark this occasion we are now in the process of arranging a 50<sup>th</sup> Anniversary Dinner in celebration. It is now confirmed the dinner will be held on the evening of Friday 4 November 2022 at the International Bomber Command Centre (IBCC) Lincoln, which is situated on the southern approach to the city of Lincoln. Thanks to a very large contribution from Chapter funds, the dinner, including a welcome drink, wine and port, a visit to the IBCC exhibition, will be available to members and partners for the amazing price of £25 each. There is plenty of hotel accommodation in the area and lots of interesting places to visit should anyone wish to make a full weekend of it. Please consider joining us at this very special event marking an important milestone in the history of the AOC UK Chapter. Full details can be found in the calling notice at the end of this newsletter. Please consider joining your UK Chapter colleagues in November.

### **AOC Tax Relief Approval**

Following several enquiries over recent years, regarding UK tax relief on AOC membership fees, UK Chapter Board member and AOC Regional 1 Director, Dr Sue Robertson, has worked hard to have the AOC added to the list of professional bodies approved for personal UK tax relief. Here is the link to the list:

<https://www.gov.uk/government/publications/professional-bodies-approved-for-tax-relief-list-3/approved-professional-organisations-and-learned-societies>

We are listed as: Old Crows (UK Chapter) Association of with effect from 6 April 2021

### **Report on AOC Europe 2022**

The 2022 edition of AOC Europe took place in Montpellier, France from 10th to 12th May. With over 1000 attendees from more than 30 countries, the event was a great success. The three-day event started with a SIGINT workshop sponsored by Plath and expertly chaired by Professor David Stupples.

The main conference, with a title “Integrating Electromagnetic Effects Across all Domains” featured over 30 speakers and included a special session on “Next Generation Air Survivability” and a keynote address from Air Commodore Hugh Smith, Deputy Director of the European Air Group. The exhibition of over 80 companies was the largest yet at an AOC Europe event. The French Lafayette chapter celebrated their 25th birthday at the event and provided all attendees with birthday cake.



French Chapter Directors with President, Powder Carlson, and Cake

A meeting of chapter representatives took place with presidents or representatives from 9 chapters, including the newest AOC chapter, the Bohemian chapter from the Czech Republic.



Chapter Presidents’ / Representatives Meeting at AOC Europe 2022  
(From left to right: France, Norway, Switzerland, Holland, Israel, Germany, Czech Republic, Italy, UK)

## Latest EW News Roundup

(Kindly supplied by Dr Thomas Withington – Writer and analyst, editor of the Armada International EW webpage and newsletter)

### **Deadly secret: Electronic warfare shapes Russia-Ukraine war**

The electronic war in Ukraine is changing following Moscow's decision to abandon its drive to capture Kyiv. Mr. Putin has redoubled his attempts to expand Russia's occupation of the south and east of the country. This has brought a commensurate change in the shape of the conflict in the spectrum. Russian electronic warfare is now reportedly more aggressive and successful. As this article explains, the Russian armed forces may have learned lessons from the first stage of the war. Secondly, they are now fighting in open country more conducive to Russian EW doctrine. Moreover, their land footprint is bigger, letting Russian forces move their operational level EW kit closer to their tactical systems.

<https://apnews.com/article/russia-ukraine-kyiv-technology-90d760f01105b9aaf1886427dbfba917?fbclid=IwAR0wIr7J6tDlxIH0euFLxQjw99fwXIbVkCWYV3M6yKpK6hZLubgGKf7sEvk>

### **Mobile phones have changed the rules of war. Ukrainians are using that to their advantage**

Smartphones are a signature element of the ongoing war in Ukraine. Social media is awash with combat footage from the theatre of operations taken on these devices. They are also being used by Ukrainian troops to assist everything from mapping, signals intelligence gathering and even artillery fire control. Smartphones have morphed into battle management systems, and command and control assets in their own right. This article examines how the Ukrainian armed forces and Ukrainian civilians have adapted their use of cell phones to ever-present threats of Russian jamming and eavesdropping. Crucially, it surmises what the implications for future conflicts might be from widescale smartphone use in this contemporary conflict.

<https://www.abc.net.au/news/2022-06-09/mobile-phones-are-changing-the-way-war-is-fought-in-ukraine/101085610>

### **Ukraine's Quadcopters Avoid Russian Jamming – And Target Russian Drone Operators**

Staying with Ukraine, more reports are coming out of the theatre of operations on the performance of UAVs in the face of Russian jamming. It is no secret that Russia has deployed significant quantities of electronic warfare kit into Ukraine tasked with jamming UAV radio links. As this article notes, the Russian armed forces have supplemented these military-grade systems with commercial off-the-shelf technology to locate the drones. However, while the Ukrainians are learning how to outflank Russian jamming, it remains a problem, with searches for innovative solutions to this end continuing.



<https://www.forbes.com/sites/davidhambling/2022/06/24/ukraines-quadcopters-avoid-russian-jamming---and-target-russian-drone-operators/>

### **Falklands War 1982: Black Buck Six – Rio de Janeiro Diversion**

The Black Buck raids by the Royal Air Force during the 1982 Falklands War have become the stuff of legend. At the time, these sorties against Argentine targets on the islands were the longest bombing raids ever undertaken. Vulcan bombers, supported by a fiendishly complex aerial refuelling operation, got the aircraft thousands of miles to and from their target. Despite their success, the missions were risky, and did not always go to plan. This fascinating account by one of the crewmembers who supported a Black Buck air defence suppression sortie against Argentine radar is gripping from start to finish.

<https://vulcantothesky.org/articles/black-buck-six-rio-de-janeiro-diversion/>

### **Meeting the Cyber Warriors**

Cyber threats and attacks are staples of the evening news, yet how cyber warfare supports conventional military operations is less discussed. The ongoing war in Ukraine has placed cyber warfare firmly on the agenda. A new book by Daniel Moore called *Offensive Cyber Operations: Understanding Intangible Warfare* is helping us understand cyber operations. Armada International's recent electronic warfare podcast catches up with Daniel. He talks about the relationship between cyber warfare and military operations and reflects on Russian cyber operations in Ukraine.

<https://www.armadainternational.com/2022/07/cyberwarfare-electronic-warfare-podcast-21/>

## **Latest UK Chapter Awards**

(a latest update will be provided in the October newsletter)

## **EW Job Advertising on UK Chapter Website**

<https://www.ukaoc.org/ew-job-vacancies>

I would like to continue to make all aware of the initiative to provide a low-cost EW Job Advertising section on the UK Chapter website which has continued to be popular with UK EW Industry. Why not take a moment to see what your next challenging role in EW might be in 2022?

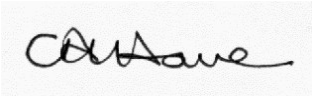
Any companies/organisations interested in taking advantage of this low-cost job advertising facility, simply contact the UK Chapter President Chris Howe MBE for more information [cahowe500@gmail.com](mailto:cahowe500@gmail.com)

## Future Events/Visits

**AOC Region 1 Chapters' Virtual Presentations** – This series of presentations has proved to be very popular, and it is hoped to continue in 2022. The next presentation will be announced in due course. To take part you simply need to register with the AOC Region 1 Director, Dr Sue Robertson @ [sue@gpl.co.uk](mailto:sue@gpl.co.uk)

**AOC 59<sup>th</sup> Convention/Symposium 2022** – Washington, USA, 25 – 27 October 2022  
Full details here: <https://www.crows.org/page/annualsymposium>

**UK Chapter 50th Anniversary Dinner** – IBCC, Lincoln, Friday 4 Nov 2022 (see below)



Chris Howe MBE  
AOC UK Chapter - President

**Keep Checking out the UK Chapter website at:**

**[www.ukaoc.org](http://www.ukaoc.org)**



## AOC UK 50<sup>th</sup> ANNIVERSARY DINNER

**International Bomber Command Centre  
Canwick Avenue, Lincoln, LN4 2HQ**

**Friday 4 November 2022**

The AOC UK Chapter Board is very pleased to announce that the **AOC UK Chapter 50<sup>th</sup> Anniversary Dinner** will be held at the **International Bomber Command Centre (IBCC)** Canwick Avenue, Lincoln on **Friday 4 November 2022**. All UK Chapter members, their partners and guests will be most welcome at this special event. 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 IBCC is a world-class facility which serves as a focal point for recognition, remembrance, and reconciliation for Bomber Command. The command was instrumental in introducing modern Electronic Warfare into the air environment in WW2. It provides the most comprehensive record of Bomber Command in the world and will be a unique venue for our 50<sup>th</sup> Anniversary Dinner. More information about the IBCC can be found here: <https://internationalbcc.co.uk/>

The outline programme for the evening is:

**1800: Pre-dinner drinks + Access to IBCC exhibition, Spire, and grounds**

**1930: AOC UK 50<sup>th</sup> Anniversary Dinner**

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

The Dinner will cost **£25 per head** (for UK Chapter members + first guest), including a welcome drink, wine, and port at the table, and will also be supported by a substantial subsidy from Chapter funds. The cost for non-members and additional guests will be **£50 per head**. Those wishing to attend should complete the proforma below and send it, or just the information, to Phil Davies at [phildavie@aol.com](mailto:phildavie@aol.com) Early notification is essential for planning purposes as places will be limited. Priority will be given to those members who register and have supported UK Chapter dinners in the past 3 years, and then first come first served. (A reserve waiting list will be utilised if oversubscribed). The preferred method of payment is by bank transfer to the UK Chapter account. Payment details will be provided on confirmation of attendance, as will a menu choice (including vegetarian). All payments and menu choices must then be made no later than Friday 7 October 22. Having made a commitment to the IBCC, we regret that payment for the dinner will still be due in the event of a late cancellation after Thurs 20 October 2022. Please provide the following information direct to Phil Davies.

To: Phil Davies

E-mail: [phildavie@aol.com](mailto:phildavie@aol.com)

Mobile: 07387 200554

I wish to attend the AOC UK 50<sup>th</sup> Anniversary Dinner at the IBCC on **Friday 4 November 2022**.

Name:

AOC Membership No:

Guest(s):

Telephone:

E-mail:

Any special dietary requirements?