



## ***e-DEFENCE ELECTRONICS NEWSLETTER***

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### **2016 RESTORATION AWARD TATJANA JOËLLE van VARK: VULCAN RADAR NBS/H2S Mk 9**

To quote an American colleague, who, when presented with the Birmingham-developed magnetron during the 1940 Tizard Mission, said “All we could do was gasp in amazement”, the DEHS Committee, when presented with a strong field for the 2016 Restoration Award, was unanimous in choosing **Tatjana Joëlle van Vark’s** restoration back to working order of a complete **Vulcan NBS radar**, otherwise known as **H2S Mk 9** and the bombing radar for the famous ‘**Black Buck**’ attack on Port Stanley airfield during the Falklands campaign. The complexity of assembling from many different sources all the relevant units would alone daunt most; the challenge of restoration to working order truly puts the imagination into overload.

**eDEN 49** this month ranges across multiple subjects – answers on the **AI 17** and “**Yellow Lemon**”; a description of the **Eureka Mk II beacon**, as we have not covered portable beacons well so far, a 1945 follow-up by **B J O’Kane** to last month’s **Professor Sir Bernard Lovell 1944 ‘Historical Note on H2S’**, this time looking at WW2 **US H2S and ASV radars**, complemented by **F/Lts Leach and Edgerton’s** memoir on “**Dumbo**” and the sharp end of the first **US ASV**, and we conclude **Norman Vidler’s ‘Story of ASWE’**, these last with many thanks to **S/Ldr Mike Dean**. This month **Tailpiece** features **Ben Nock of Kidderminster’s Military Wireless Museum’s** acquisition of a very unusual **RAF/Army Co-operation receiver R1100**. Once again this month we have an extensive **eDEN Part II** for your holiday reading! We feature this month the **August Conference on Interwar Communications**, and the Minutes of the first meetings of the **British CV Valve Committee**, the important body which co-ordinated radio valve research and production to meet the needs of all the services; these first meetings are important to see the emergence of the **magnetron** and other centimetric valves.

As DEHS members know by now, this year’s **Autumn Symposium** will 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)). Presentation topics will include **Peter Butcher “Emergency Radio”**, **Wing Cdr. Jeff Jefford “When All Communications Fail: Blue on Blues”**, **Clive Kidd of HMS Collingwood “Naval Communications from the Boer War onwards”**, **Prof Tony Davies “Manpacks and Mobiles: WW2 and after”**, and our President **Keith Thrower on “Wireless Set 10”**.

As always, suggestions for improvements, offers of articles and all general comments to me at [philjudkins@btinternet.com](mailto:philjudkins@btinternet.com) or [info@dehs.org.uk](mailto:info@dehs.org.uk).

Dr. Phil Judkins, DEHS Chairman.

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