



e-DEFENCE ELECTRONICS NEWSLETTER

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MORE ANSWERS – AND MORE QUESTIONS!

Our issue 39 of *eDEN* celebrates **Military Electronics and Air Power**, the subject of this month's DEHS Autumn Symposium; **WHAT**, you haven't booked yet? The form is attached – **BOOK NOW!**

Members' contributions have been so numerous this month that I have had to hold over to next month the good practical work being done in response to our archaeological supplement to issue 37, by **Brian Mulvana** (who read it and promptly drove off to the featured radar site at **Ravenscar** armed with camera/GPS!) and **S/Ldr Mike Dean**; and an article by myself replying to queries from our excellent **Newcomen** colleagues on **Chain Home antennae**. **The Newcomen's current Journal**, by the way, features a thought-provoking article on **German aircraft design in the Second World War** – hence the leading photo to this issue, of the **Junkers 287 jet bomber with swept-forward wings!**

In our first article, **Mike Bolton** has uncovered, as part of his research for a book, the story of the **RAF's Silloth Trainer**, as written by its inventor **Gordon Iles** in 1941; surely one of the rare occasions on which the manufacturers of pipe organs joined forces with electronics and went to war! From Canada, **Brian Mendes** contributes some thoughts on our earlier article on the employment of **magslips, selsyns and servos** in radar-aided and gunnery, in World War 2. I ask members' help in answering an **Ekco weather radar query** from the **Wings Museum**, and then one of the **CIOS reports of 1946** lays out some of the activities of the **American ITT Corporation's German subsidiaries** during World War 2, particularly **Lorenz**, in the field of **radio navigation**. **John Kaesehagen** contributes two articles – a query on a piece of test-gear which resembles that for the **Boozer passive radar warning receiver**; and continues his illustration of some of the telemetry items in his collection – this month, on an FM receiver on which information will be gratefully received. **Barry Wilbraham** found for us a 1943 'Parade' article on the **DWI Wellington** from his informative publication '**Wartime Newsreel**', and we have a flurry of product announcements in the month of DSEI; arrival of another **RAF Airseeker intelligence aircraft**; on **Thales FAT for its NS 100 radar**; the **Royal Navy announcing laser cannon** for HM Ships by 2020 (we'll see!); and TCS Ultra launching its **Orion X505 Vehicular radio**. Featured books are **Ray Essen's** excellent '**The Birth of Atomic Time**' and **Miranda Andrews** work on her father **Arthur Llewelyn's** fascinating life '**Follow My Dreams**', followed by our own **Publications List**. **Ops Board**, features the South Yorkshire Air Museum/ IET lecture on early magnetron history by our own Dr Mike Diprose, under the intriguing title **The Cavity Magnetron: There Are Known Knowns and Known Unknowns - But Are There Unknown Unknowns?** You have your last chance this next fortnight to see the current **Oxford exhibition on the physicist Henry Moseley**. In **Tailpiece**, in deference to the Royal Navy's laser cannon, I feature from another post-war report, the design of a Japanese high-power laser specifically created in response to a request for a death ray application!

As always, suggestions for improvements, offers of articles and all general comments to me at philjudkins@btinternet.com.

Dr. Phil Judkins, DEHS Chairman.

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