

Book List

List of books on Radar from Antiquarian Bookseller C.R. Eastwood
January 1995

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RADAR COLLECTION

Books, articles, etc. in stock 1st Jan. 1995

C. R. EASTWOOD
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0278 - 683894

- AHRNE, Gustaf. Radar ombord. Gothenburg, 1957 1st ed.
(Swedish work on marine radar, with useful bibliography of Swedish, British and American works. A detailed navigational guide. Folding charts at end)
- AIR MINISTRY. The Second World War, 1939-1945: Royal Air Force. Signals. Vols. I-VII. Air Ministry, 1950-56. All published as secret, confidential or restricted.
(A most valuable source but very difficult to find a set. I have extracts which were photocopied for me by The RAF Museum Library, Hendon)
- AUSTEN, R. L. High adventure: a navigator at war. Chichester, Barry Rose, 1989. 1st ed.
(Author began his RAF career as a RDF mechanic, remustered as navigator. Interesting comments on navigational aids, esp. GEE and GH)
- BARKER, Ray. Reflexions on a chain of events. Kirklington (Notts.) Janus, 1992. 1st ed. A 90page paperback.
(Interesting personal account of radar mechanic on CH Danby Beacon and GEE Eastern Chain and GEE stations in Germany in 1945)
- BATT, Reg. The radar army: winning the war of the air waves. Robert Hale, 1991. 1st ed.
(Experiences as a boffin at TRE Malvern, 1940-45 mainly on centimeter research)
- BOULDING, R.S.H. Radar pocket book. Newnes, 1962. 2nd rev. ed. Diags.
(A technical reference work on radar theory)
- BOWEN, E.G. Radar days. Adam Hilger, 1987. 1st ed.
(Boffin book of TRE reminiscences)
- BROWN, R. Hanbury. Boffin: a personal story of the early days of radar, radio astronomy and quantum optics. Adam Hilger, 1991. 1st ed.
(Half the book deals with his firsthand knowledge of radar research at TRE)
- BURGER, W. Radar observer's handbook for Merchant Navy officers. Glasgow, Brown Son & Ferguson, 1957. 1st ed. With the 8 page supplement of July 1958.
(An elementary manual)
- BURNS, R. W. editor. Radar developments to 1945. P.Peregrinus, 1988. 1st ed. 4to format. An extensive and valuable work; it contains one article by Sir Robert Cockburn which is also in the item listed under I.E.E. below)
- BUTLER, Peggy L. Searching in the dark: the story of a radar operator from 1942-1946. Chichester, HPC Publishing, 1994. 1st ed. Large paperback format.
(A non-technical account of training at Yatesbury, CHL stations in Scotland in 70 & 71 Wings and at Bawdsey. Much detail of a personal & social nature)
- CARNE, Daphne. The eyes of the few. P.R.Macmillan, 1960. 2nd imp. Pictorial d/w.
(A firsthand account by a Battle of Britain radar operator. My copy is a presentation copy from her parents; she died in 1968 aged 47)
- CLAMP, Arthur L. The Hope Cove area during the Second World War, 1939-45. The author, (1992) A4 format.
(Hope Cove was a GCI station and this work gives a excellent account of a typical small radar unit)
- CLARK, Ronald W. The rise of the boffins. Phoenix House, 1962. 1st ed.
(Covers scientific research generally, but has much information on radar)
- CLARKE, Arthur C. Glide path. Sidgwick & Jackson, 1969. 1st ed. Also the paperback ed. pub. by Sphere Books, 1970.
(Fictional account of the development of GCA which the author worked on for a time)
- COMBINED INTELLIGENCE OBJECTIVES SUB-COMMITTEE. Radar and controlled missiles; reported by N.D.Crane: C105 Targets, item 1: Radar. HMSO, c1944.
(A SHAEF report on the inspection of French factories and research facilities in the Paris area, Sept. 1944 by Allied officers & civilians to discover if the French could provide information about German radar)
- CORDINGLY, Norman. The era of the nocturnal blip. Braunton, Merlin Books, 1994. 1st ed.
(Account of AI radar, some details overlapping with his other books, but mainly about exploits of 85 Squadron)
- CORDINGLY, Norman. From a cat's whisker beginning. Braunton, Merlin Books, 1988. 1st ed.
(Interesting firsthand account of RAF radar, mainly 100 Group, but had a useful chapter on RAF Yatesbury)
- CORDINGLY, Norman. Time to tell: recollections by a boffin. Braunton, Merlin Books, 1992. 1st ed.
(Mostly personal reminiscences but touches on his RAF career as a radar officer)

- COSSOR RADAR LTD. A new "Gee" airborne equipment for civil aviation, and proposals for the development of the pulse system of hyperbolic navigation. Cossor, c1946.
- CROWTHER, J.G. Radioastronomy and radar. Methuen, 1958. 1st ed. (Methuen outlines) (Only 13 pages deal with radar)
- CROWTHER, J.G. & WHIDDINGTON, R. Science at war. HMSO, 1947. 1st ed. Pict. covers. (In 4 parts; pt. 1 Radar, pages 1-90)
- DECCA RADAR LTD. Research & Development reports. The nature of the air interception problem & its solution by the "relative vector" technique. Typescript. 7pages. c1960.
- DECCA RADAR LTD. Research & Development reports. Report on the development of an analogue automatic tracking system. Typescript. 24 pages, 2 blueprints. c1960.
- DOBERER, Kurt. On the way to electro-war. John Gifford, 1943. 1st ed. Reprinted by Scientific Book Club, 1943.
(A curious work on the application of electricity to warfare. Excludes all mention of radar, but concentrates on ideas of death rays, intense high-frequency waves to stop engines, electric firearms, etc. Foresees the use of radio-controlled unmanned missiles, like the German V1. The main significance of this book is its total exclusion of radar)
- DUNLAP, Orrin E. jr. Radar: what it is and how it works. New York, Harper, 1948. Revised ed. (The work was first published in 1946)
(A general American survey of the origins and development of radar, especially in WWII. A lengthy bibliography including mostly articles from journals in U.S.)
- EASTWOOD, Sir Eric. Principles of radar. Marconi Radar, 1984. 1st separate ed.
(A reprint, with few alterations, of a chapter from his major work Radar Ornithology, 1967)
- EKCO ELECTRONICS LTD. Airborne search radar: aircrew operating instructions. Ekco El60 series. Post-war, undated.
(Small operating manual, 56 pages, with diagrams, for commercial users)
- EMMETT, Peter. Echoes of victory: 50 years of radar at RAF, Staxton Wold, north Yorks. (In: Beacon News, magazine of RAF Staxton Wold, cJuly, 1989. A4 format. An account beginning in 1938 when this CH station was originally built)
- FINK, Donald G. Radar engineering. New York, McGraw Hill, 1947. 1st ed.
(Detailed technical manual; each chapter has a bibliography)
- GLEMSER, Bernard. Radar commandos: a story of World War II; illus. by Mort Kunstler. New York, Scholastic Book Services, 1973. 3rd imp. Paperback format.
(Thriller for boys based on the Bruneval Raid of 1942)
- GOUGH, Jack. Watching the skies: the history of ground radar in the Air Defence of the United Kingdom. HMSO, 1993. 1st ed.
(A detailed and expensive work dealing with radar development since 1946, though Ch. 1 covers pre-war and wartime years briefly and clearly)
- HAIGH, J.D. Radiolocation techniques. HMSO, 1960. 1st ed. Services text-book of radio, vol. 7.
(Manual of radar theory for military personnel)
- HALLOWS, R.W. Radar: radiolocation simply explained. Chapman & Hall, 1946. 1st ed.
(An elementary work on the theory of radar)
- HANSFORD, R.F. The development of shipborne navigational radar. Offprint from the Journal of the Institute of Navigation, vol. 1 no.2, April 1948.
- HARTCUP, Guy. The challenge of war: scientific and engineering contributions to World War Two. David & Charles, 1970. 1st ed. Large paperback format.
(Part III: The war in the air is an excellent summary of research and development)
- HAYWARD, Frank. The RAF presence at Arnhem, 18-25 Sept., 1944. In Air Mail: journal of the RAF Association, vol.47, no.3, Winter 1994, pp 10-15.
(Ill-fated RAF radar units, Light Warning Units, 6080 & 6341, were landed by glider but were not able to operate. Of the 24 personnel involved, 9 were killed, 11 wounded and captured, and 4 escaped)
- HENSLOW, Miles. The miracle of radio. Evans, 1946. 1st ed.
(Has chapters on radiolocation and centimetre waves; good illustrations)
- HEZLET, Sir Arthur. The electron and sea power. Peter Davies, 1975. 1st ed.
(All aspects of naval radar, as well as wireless communication)
- HOLDAM, McGRATH & COLE. Radar for blind bombing. Photocopy of two articles from the U.S. Electronics, 19 (5) 136 (May 1946); 19 (6) 142 (June 1946) 13 pages.
(The U.S. H2X system on 3cm wavelength, similar to the British H2S)

- INSTITUTE OF ELECTRICAL ENGINEERS. Proceedings, Oct. 1985. Vol. 132. Historical radar. Paged 325-444. A4 format.
- JAMES, R.J. A history of radar. Photocopy of an article from the I.E.E. Review, Oct. 1989, pp 343-349.
- JOHNSON, Brian. The secret war. BBC, 1978. 1st ed. Illus.
(Covers aspects of the war between the scientists; pt. 1 The battle of the beams deals with the use of mainly German navigational bombing aids; pt. 2 Radar covers all aspects, both British and German, includes Gee, H2S & Oboe)
- JONES, R.V. Most secret war. H.Hamilton, 1978. 1st ed. Illus.
(Ostensibly a general account of the scientific war, it is principally on radio navigational and radar conflict based on the author's firsthand and high-powered experience)
- KEMP, John. Off to war with '054. Braunton, Merlin Books, 1989. 1st ed. Illus.
(An excellent firsthand account of a mobile GCI mobile unit in France after D Day, by the station commander)
- KINSEY, Gordon. Bawdsey - birth of the beam: history of RAF Stations Bawdsey and Woodbridge (Suffolk) T.Dalton, 1983. 1st ed. Illus.
(The first 112 pages deal with Bawdsey, the site at which radar was first used)
- KINSEY, Gordon. Orfordness - secret site: a history of the establishment, 1915-80. T.Dalton, 1981. 1st ed. Illus.
(Chapter 8 covers the use of the site for the first radar research unit from 1935)
- KURTH, Heinz. Echo-location. World's Work, 1976. 1st ed. diags.
(An elementary work covering both sound and radio echoes)
- LANG, D.G. Marine radar. Pitman, 1956. 1st ed. Illus., diags.
(A textbook on the theory of radar)
- LEASOR, James. Green Beach. Heinemann, 1975. 1st ed. Illus. Also Corgi, pbk, 1976.
(The attack on 19th Aug. 1942 by Canadian & British troops on Pourville's radar station involving Jack Nissenthal, RAF Flight-Sgt. radar mechanic)
- LOVELL, Sir Bernard. Astronomer by chance. Macmillan, 1990. 1st ed. Illus.
(Two chapters cover his wartime work on centimetric radar, especially H2S)
- LOVELL, Sir Bernard. Echoes of war: the story of H2S radar. Adam Hilger, 1991. 1st ed.
(A detailed and authoritative account of H2S)
- MCALFEER, Neil. Odyssey: the authorised biography of Arthur C. Clarke. Gollancz, 1992. 1st ed.
(Chapter 5 "The RAF and WWII" deals with his time as a radar instructor at RAF Yatesbury and his later involvement with GCA radar)
- MARTIN, Derek J. Thorn EMI: 50 years of radar, 1936-86. Thorn EMI, 1986. 1st ed.
- MASSACHUSETTS INSTITUTE OF TECHNOLOGY. Radar School. Principles of radar. McGraw-Hill, 1946. 2nd ed. Facsimile typescript.
(A very detailed textbook of an advanced nature)
- MILLAR, George. The Bruneval raid: flashpoint of the radar war. Bodley Head, 1974. 1st ed. Illus.
(The raid, on 28th February 1942, was carried out on the Wurzburg radar in Normandy by British troops and Flight-Sgt. Cox, RAF radar mechanic)
- NISSEN, Jack, & COCKERILL, A.W. Winning the radar war. Robert Hale, 1989. 1st UK ed.
(A poor, inaccurate and sloppy work, but interesting in Nissen's account of the Pourville raid. His name given elsewhere as Nissenthal)
- PAGE, Robert Morris. The origin of radar. Westport, Connecticut, 1962. 1st ed. Science study series. Illus.
(A rather thin and over-generalised work but has a useful radar chronology)
- PENLEY, W.H. & BATT, R.G. Dorset's radar days. Purbeck Radar Museum Trust, 1994. 1st ed. A pamphlet of 24 pages with useful illustrations

- PENROSE, H.E. Principles and practice of radar. Newnes, 1949. 1st ed. Diags.
(A textbook for radar mechanics)
- PRICE, Alfred. Cossor Radar: the first 50 years. Cossor, c1986. Illus. A4 format.
(The first 3 chapters deal with pre-war and wartime radar at Cossor)
- PRICE, Alfred. Instruments of darkness. Kimber, 1967. 1st ed. Illus., diags.
(A good general account of the radar war. This is a presentation copy from the author and belonged at one time to Marshal of the RAF Sir John Slessor who pencilled a few comments therein)
- PRICE, Alfred. Instruments of darkness: the history of electronic warfare. Macdonald, 1977. An expanded and updated edition to 1977.
- PRICE, Alfred. The radar war: technology and air warfare, 1939/45. A 7-page article in Purnell's History of the Second World War, part 105, c1974. Illus.
- PRITCHARD, David. The radar war: Germany's pioneering achievement, 1904-45. P. Stephens, 1989. 1st ed. Illus.
(The fullest account of the German radar pioneer Hulsmeyer and subsequent German radars which were almost invariably technically superior to the British)
- RADAR: a report on science at war; released by The Joint Board on Scientific Information Policy for Office of Scientific Research and Development, War Dept., Navy Dept. HHSO, 1945 reprint of the American edition. a 50-page pamphlet.
- RADAR BULLETIN: a monthly review of operational activities on the radar chain. RAF 60 Group. I have numbers for July, August (lacks final leaf), September, 1945 - all duplicated foolscap typescript, and the printed Victory Souvenir Number for October 1945, with illustrations.
- RAWNSLEY, C.F. & WRIGHT, R. Night fighter. Collins, 1957. 1st ed.
(A firsthand account by a night fighter pilot using AI radar)
- ROWE, A.P. One story of radar. Cambridge U.P., 1948. 1st ed. Illus.
(The evolution of British radar from the viewpoint of the Chief Superintendent of TRE; an early and valuable book on the world of the boffins)
- ROWLAND, John. The radar man: the story of Sir Robert Watson-Watt. Lutterworth Press, 1963. 1st ed.
(A life of Watson-Watt for children)
- SAWARD, Dudley. Bernard Lovell: a biography. Robert Hale, 1984. 1st ed. Illus.
(Deals in part with Lovell's work on H2S)
- SAWARD, Dudley. The bomber's eye. Cassell, 1959. 1st ed. Illus.
(The story of navigational and bombing devices used by RAF Bomber Command: an authoritative account from the inside)
- SAYER, A.P. Army radar. War Office, 1950. 1st ed. Restricted. (The Second World War, 1939-45: Army) Diags., illus.
(A very detailed account of Army radar on which there is very little material. This work gives many names of personnel involved compared with the impersonal accounts of the RAF Signals volumes)
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- SNELL, Roy J. Secrets of radar. Chicago, Goldsmith, 1944. 1st ed.
(Fictional account of radar used by U.S. Army in South-East Asian campaign; probably aimed at teenage readers)
- STORY OF RADIOLOCATION. Material basis for information for the public on radio-location. 5th ed. 9th August 1945. Foolscript facsimile typescript. Apparently issued by a Government information agency. Cloth bound; binder's title - Radar)
- STOUT, Wesley W. The great detective. Detroit, Chrysler Corporation, 1946. 1st ed. Illus.
(Describes Chrysler's contribution to the development and construction of radar equipment in WWII)
- STREETLY, Martin. Confound and destroy: 100 Group and the bomber support campaign. Jane's, 1985. 2nd imp. Paperback format. Illus., diags., bibliog.
(100 Group waged electronic warfare basically jamming German radar and other electronic devices)
- SWORDS, S.S. A technical history of the beginnings of radar. Dublin, Trinity College, 1983. 1st ed. Bibliog. Review by Sir Bernard Lovell inserted.
(Summary of development of radar up to 1939 with special emphasis on British ground-based systems, but essentially a world-wide survey and therefore an unusual and valuable source book)

- TOMLIN, D.H. The RSRE: a brief history from earliest times to the present day. Photocopy of article from the IEE Review, nov. 1988, pp 403-407.
(History of the Royal Signals & Radar Establishment)
- TRAVIS, Ralph. Keep the radar working. Article from Military History, April, 1984.
(Deals mainly, in 6 pages, with aerial maintenance on CH in early days of WWII based on experiences of rigger E.J.Nourse)
- UNITED STATES. War Dept. Radar electronic fundamentals. 1944. War Dept. Technical Manual TM 11-466.
(A restricted theoretical manual for U.S. service personnel)
- WAKEFIELD, Kenneth. The first pathfinders: the operational history of Kampfgruppe 100, 1939-1941. Kimber, 1981. 1st ed.
(Detailed account of Luftwaffe pioneer pathfinders and their beams)
- WATSON-WATT, Sir Robert. Evolution of radiolocation. A photocopy of an article from Engineer, 151, 319, 330 (Apr. 5, Apr. 12, 1946)
- WATSON-WATT, Sir Robert. Three steps to victory: a personal account by radar's greatest pioneer. Odhams, 1957. 1st ed. Times obituary of W-W inserted.
- WATSON-WATT, Sir Robert. The pulse of radar: the autobiography. New York, Dial Press, 1959. 1st ed.
(An American version of his Three steps to victory with some variations)
- WEBSTER, Sir Charles & FRANKLAND, Noble. The strategic air offensive against Germany, 1939-1945. HMSO, 1961. 1st ed.
Vol. 3 Victory. Chapter XIII deals with new operational skills, including H2S, Oboe, etc.
Vol. 4 Annexes and appendices. Section 1(i) details the principal radar aids to navigation and bomb aiming: Gee, Oboe, H2S and GH.
- WILLANS, T.W. The Bruneval raid. Article from Purnell's History of the Second World War, part 28, cl972.
- WYLIE, F.J. editor. The use of radar at sea; foreword by Sir Robert Watson-Watt. Hollis & Carter, 1952. 1st ed.
(A detailed work, published for the Institute of Navigation)

VIDEOS

- RDF to radar. A film review of radar research from the early days at Orfordness, Bawdsey, Dundee, Swanage and Malvern which was produced by the TRE Film Unit in 1945. Narrator: John Snagge. 41 minutes.
- The Watson-Watt centenary (1892-1973). Based on a lecture given by Professor Hanbury Brown at the IEE in February 1993. Illustrated with rare original cine and still photography. 37 minutes.
- The 2 videos listed above are produced by Douglas Fisher who worked at the TRE Film Unit from 1940 to 1946. He has made other, more specialised videos; his address is White House, Slough Road, Brantham, Manningtree, Essex, CO11 1NS.

This list is not exhaustive of the subject; I have a long list of titles for which I am still searching. I am grateful for the help I have received from fellow-members of the Provincial Booksellers Fairs Association and particularly from the only other collector of radar I know, Miss Pauline Rippin of King's Lynn.

January 1995