

Radio Communication Equipment
in the Army

WIRELESS *for the* **WARRIOR**

by Louis Meulstee (editor)

Compendium 5

**SIGNAL COMMUNICATION
EQUIPMENT USED BY
ENEMY NATIONS**

Facsimile reprint of a British WW2 publication

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Contents.....	1
Introduction	3

Note that in the table of contents no page or sheet numbers are given, rather we have included the original page numbering system, consisting of a section letter representing the country of origin, followed by the equipment's sub-section number and a number for each individual set.
For more details see sheet iii/1.

Signal Communication Equipment used by Enemy Nations

- Cover of the original publication, issued January 1944
- Amendment sheet issued 13th June 1944
- Title page
- Foreword i/1
- Important i/1a
- Operation of sets ii/1, 2
- Index of the handbook iii/1
- Section A - German equipment
- Section B - Italian equipment
- Section C - Japanese equipment

Germany

- *Original table of contents Germany* (Index section A)

- German-English glossary A.1/1- 6
- Constructional Features A.2/1, 2
- Unit maintenance of German Sets A.2/3, 4
- Nomenclature of sets, power supplies and components. A.3/1, 2
- Plugs and sockets A.4/1
- German valve bases A.5/1- 3
- German valves A.6/1, 2
- Power Supply Units**
- Power Supply Units A.7/1
- Pedal Generator TDKWA A.7/2
- 1.8 h.p. petrol electric generator K1.M.C.100. A.7/3

Senders

- 5 W.S. A.8/1
- 5 W.S.b and 5 W.S.c A.8/1a
- 10 W.S.c A.8/2
- 20 W.S.c A.8/3
- 20 W.S.d A.8/4
- 30 W.S.a A.8/5
- 80 W.S.a A.8/6
- 100 W.S. A.8/7
- 20 W.S.b A.8/8
- 1.5 KW.S.a1 A.8/9
- 1 KW.S.b1 A.8/10
- Panel lettering 1 and 1,5 kW Senders. A.8/10a
- S.18205/1 (70 watt) A.8/11

- 10 W.S.h A.8/12

Receivers

- Fu.H.W.c A.9/1
- Kw.E.a A.9/2
- Lw.E.a A.9/3
- Spez. 445b Ns A.9/4
- Ukw.E.d1 A.9/5
- Ukw.E.e A.9/6
- Ukw.E.f A.9/7
- Torn.E.b A.9/8
- L.Mw.H.E./24b-316 A.9/9
- F.H.E.d A.9/10
- WR1/P A.9/11
- Ukw.E.h A.9/12
- Mw.E.c A.9/13

DF Receivers

- L.Mw.P/24b-315 A.10/1

Transceivers

- Torn.Fu.b1 A.11/1
- Torn.Fu.d2 A.11/2
- Torn.Fu.f A.11/3
- SE 469 A A.11/4
- Feldf.b A.11/5
- FuspRech.a A.11/6
- SEG2T A.11/7
- Torn.Fu.g A.11/8
- Feldfu.f A.11/9
- Feldfu.a1 A.11/10
- FuspRech.f A.11/11

Germany (continued)

- Fusp rech.d	A.11/12
- Torn.Fu.c	A.11/13
Test Equipment	
- Wavemeter Fremes.a	A.12/1
Telephone Sets	
- Carrier telephone set TFb1	A.13/1
- Carrier telephone set TFb2	A.13/2
- Line intercept receiver LE40	A.13/3
- Carrier telephone set TFa	A.13/4
- Field telephone 33	A.13/5
Exchanges	
- 10-line exchange	A.14/1
- 10-100 line switchboard	A.14/2

Teleprinters	
- Telewriter Tbs/24a-32	A.15/1
- Tape teleprinter T36LO	A.15/2
Terminal Units and VF Equipment	
- Springschreibanschlussgerät	A.16/1
- Fernschreibanschlussgerät	A.16/2
Cables and Cable Equipment	
- Assault cable layer pack	A.17/1
- Field quad cable FFK	A.17/2
Miscellaneous	
- Remote control Fbg.bf	A.18/1
- Modulated light beam	A.18/2
- Apparat Li.Spr.80.	

Italy

- *Original table of contents Italy* (Index section B)

- Italian English glossary	B.1/1 - 5
- Constructional features	B.2/1
- Plugs and sockets	B.4/1
- Italian valve bases	B.5/1, 2
- Italian valves	B.6/1, 2
- Power Supply Units	B.7/1
- Receiver Ric.A.C.14	B.9/1
- D/F receiver Rdf.E.393N	B.10/1
- Transceiver Staz.RF4/1940	B.11/1
- Transceiver TR7	B.11/2
- 'Wemer' multi-range test meter.	B.12/1
- Field telephone GA, Model 1931.	B.13/1

- Light field telephone, type F	B.13/2
- Field telephone (lineman type)	B.13/3
- Field telephone (Air Force pattern).	B.13/4
- 'Fullerphone'	B.13/5
- 6-line portable exchange	B.14/1
- 10-line portable exchange	B.14/2
- 10-line wall switchboard	B.14/3
- 30 line wall switchboard	B.14/4
- 8-line cordless wall switch-board.	B.14/5
- Superposing unit	B.14/6
- Mine detector	B.18/1
- Heliograph and signal lamp	B.18/2

Japan

- *Original table of contents Japan* (Index section C)

- Japanese-English glossary	C.1/1
- Constructional features	C.2/1
- Japanese valves	C.5/1
- Japanese valve bases	C.6/1, 2
- Sender, type 94, No. 32	C.8/1

- Receiver, type 94, No. 32	C.9/1
- Transceiver, S-P3A	C.11/1
- Transceiver TM, No. 1791	C.11/2
- Field telephone No. 2	C.13/1

Information pages on the WffW series i1-i5

Introduction

'*Signal Communication Equipment used by Enemy Nations*' was a British publication providing technical and operational data on captured enemy signal communication equipment originating from Germany, Italy and Japan. It was produced by the Signals Research and Development Establishment (SRDE) in co-operation with MI8 and first issued as a secret document in January 1944. The publication was a result of careful study and examination, based on captured equipment and handbooks, intended as a guide to the reuse of the equipment. The publication was loose leaf allowing the replacement of obsolete pages, and the addition of new pages to keep up with developments. Original and complete copies are very rare.

At first glance the publication may be considered as the British counterpart of the German '*Kennblätter fremden Geräts, Heft 13, Nachrichtengerät*' (reprinted in WftW Compendium 3 and 4). However, the individual entries in '*Signal Communication Equipment used by Enemy Nations*' were far more detailed and accurate. In addition it provided many practical details such as hints on the operation and maintenance of the sets, glossaries, nomenclatures with an explanation of the type numbering systems, and connections of plugs, sockets and valve bases.

This reprint reproduces the publication as it was originally issued, including all known supplements with the amendment changes already carried out. Each page was scanned in '.tif' format, later processed removing signs of use, and the 'moiré' effect of the photos, using Adobe Photoshop. Blank pages in the original document were retained. The printing quality of the original sheets was excellent. Later issued amendment sheets were of a lesser but still reasonably quality; this reflects in the reproduced illustrations.

The size of the original publication was about 18x12 cm. As this size is not available from the 'print-on-demand' printers, all pages in this reprint were increased about 15% in size to bring it in line with the A5 format of the Wireless for the Warrior *Compendium* series.

As publisher and editor of this reprint I am grateful for the help and encouragement of the proof readers, and particularly for the loan of an original copy of the publication.

A Happy Encounter: Walter Ferrar, G3ESP

I first encountered '*Signal Communication Equipment used by Enemy Nations*' when I was shown a copy in the early 1980s. At that time only the front cover and table of contents were copied, in the belief that they might be useful later, along with a copy of the page dealing with the Italian version of the Fullerphone, as it would provide interesting details for an article in preparation at that time. It was not until 2002 that I met

Walter Ferrar G3ESP, who was at SRDE during the war. During a very interesting conversation Walter revealed that he had been involved in the examination of captured enemy signal equipment, in order to compile a comprehensive handbook for use by staff officers and signal personnel.

He produced his own copy, which appeared to be similar to the booklet I had seen about 20 years earlier. Little did we know that a reprint would be published ten years later!



Walter Ferrar G3ESP (left) and Louis Meulstee at the entrance of a road restaurant along the A303 in the UK.

OPERATION OF SETS

Enemy wireless sets are operated in a similar manner to British or American sets, except that, having in general fewer controls, the operation is more simple. If difficulty arises, the translation of the foreign wording can be found in the appropriate glossary.

Following are general working instructions for enemy wireless sets. Divergencies or additions to this procedure will be found in the individual data sheets.

Receivers

- (1) Connect the aerial and earth (or counterpoise) systems.
- (2) With the main switch off, connect the receiver to its power supply. If the power supply unit is a dynamotor, vibrator or mains unit, connect it to the power source.
- (3) Plug in headphones (or loudspeaker).
- (4) Set the tuning scale to the frequency required.
- (5) Switch set on (to R/T or C.W. position as required), and turn volume control to maximum.
- (6) Search about the frequency setting until the station is heard. Tune for maximum volume, using the fine tuning control, if fitted.
- (7) Adjust aerial matching control for maximum signal.
- (8) Adjust volume control for comfortable listening.
- (9) If receiving C.W., the pitch of the heterodyne note may be altered by slight adjustment of the main or fine tuning controls.

Note.—If the headphones specified in the data sheet are not available, any high resistance headphones may be used, such as the British Type CHR.

Senders

- (1) Connect the aerial and earth (or counterpoise) systems.
- (2) With the main switch off, connect the sender to its power supply (as for receivers).
- (3) Plug in microphone and key.
- (4) Set the tuning scale to the frequency required.

CONSTRUCTIONAL FEATURES

Two features stand out in the construction of German Army communications equipment: one, the unit construction methods employed, and the other, the material from which the units are made.

Practically every piece of equipment is constructed in units, which are screwed to the panel and to each other, electrical connections being made by plug and socket strips, or by screwing tags or soldering wires on to a terminal strip. In most cases, this permits of quick dismantling of a set for servicing and repair.

The metal from which the sets are made is almost universally an alloy of about 90 per cent. magnesium, 8 per cent. aluminium, and 2 per cent. of zinc, copper and other metals. Each unit consists of a die-casting of this alloy. Not only is the main subchassis cast, but also screening plates, and bosses and recesses for the mounting of components. The castings are accurately made, very little machining being required, and this makes for excellent mechanical rigidity, and improved electrical performance.

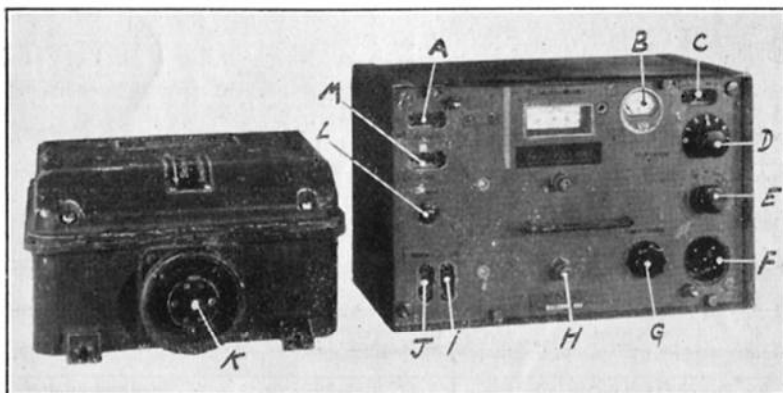
Main tuning condensers are also made from this alloy. Both rotors and stators are machined from a block casting. Thus there can be no deterioration in performance due to corrosion between individual plates and their mountings.

Extensive use is made of ceramic materials for insulating. They are used for tag strips, valve holders, valve bases, coil formers and almost universally as the main bearing of ganged condensers. Where coil formers are not made from ceramic, porcelain or pressed bakelised paper is used.

Trimmer condensers are usually either small air-spaced ones, or of the silvered ceramic disc type (Philips), which are used to some extent in British equipment. Small fixed condensers are of the tubular ceramic type, or of the flat mica type in a bakelite shroud. Except in older versions of the 100 W.S., mica is used sparingly. Larger condensers are of the paper-dielectric Mansbridge type. No colour coding is used, the values being printed on the condenser in μF , pF, or centimetres.

TYPE OF EQUIPMENT.
(Sender) 10 W.S.c.

WIRELESS STATION No.
Fu.5 (part of)



- | | |
|-------------------------------------|------------------------|
| A. To rec. aerial and earth socket. | G. Tuning. |
| B. Aerial meter. | H. Flick freq. lock. |
| C. Aerial and earth. | I. Key socket. |
| D. Aerial tuning. | J. Microphone socket. |
| E. Off-RT-Rec.-MCW [switch. | K. Power outlet. |
| F. Power input. | L. High power button. |
| | M. To rec. (sidetone). |

PART I.—TACTICAL DATA

Use.—Communication within a tank squadron.

Associated Receiver.—Ukw.E.e.

Range.—M.C.W. up to 4 miles ; R/T up to 2½ miles.

Transportation.—In tanks.

PART II.—TECHNICAL DATA

Frequency Range.—27·2–33·3 Mc/s.

Facilities.—R/T and M.C.W. Two flick frequency positions on main tuning. Later models have intercom. provision on “receive.” Instantaneous high-power button (OBERSTRICH).

Circuit.—M.O. (freq. doubler)—P.A.—grid modulator.

Valves.—M.O. and P.A.—RL12 P35 ; Mod.—RV12 P4000.

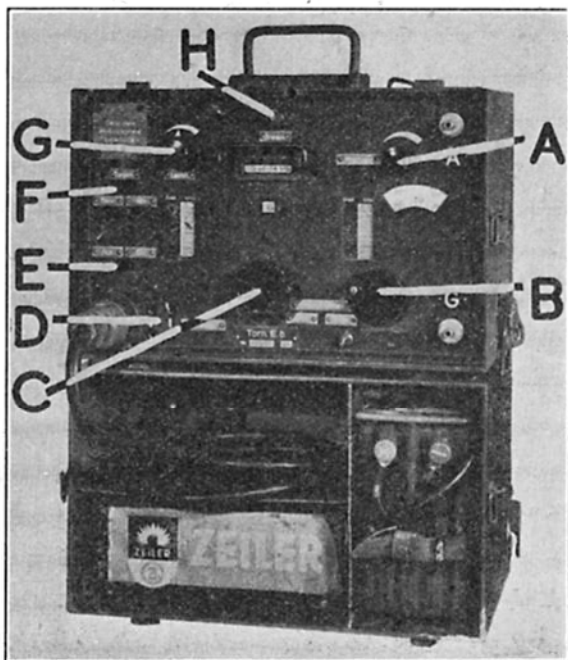
R.F. Output.—Normal 6½ watts ; high power 10 watts.

Aerial System.—6½ ft. vertical rod, connected via feeder.

Power Supply.—Dynamotor U.10a1.

TYPE OF EQUIPMENT
(Receiver) Torn.E.b.

WIRELESS STATION No.
Fu.9 and Fu.11 (part of)



- | | |
|-----------------------|-------------------------------|
| A. Reaction. | E. Off-on switch. |
| B. Tuning. | F. Tone filter off-on switch. |
| C. Band switch. | G. Volume. |
| D. Headphone sockets. | H. Aerial trimmer. |

PART I.—TACTICAL DATA

Use.—General purpose receiver, replacing Spez.445b Bs.

Associated Senders.—5 W.S., 5 W.S.b., and 100 W.S. May be found with 30 W.S.a and 80 W.S.a.

Transportation.—As knapsack (set and accessories), or as vehicle station.

PART II.—TECHNICAL DATA

Frequency Range.—96–7095 kc/s, in 8 switched bands.

Facilities.—C.W., M.C.W. and R/T signals. A.F. tone filter fitted.

Circuit.—2 R.F.—Detector—A.F.

Valves.—All type RV2P800.

Sensitivity.—Good.

Aerial System.—As used on associated sender; or any long wire with counterpoise.

Power Supply.—2-volt accumulator + 90-volt battery, or, 12-volt vehicle accumulator + vibrator unit EWc.

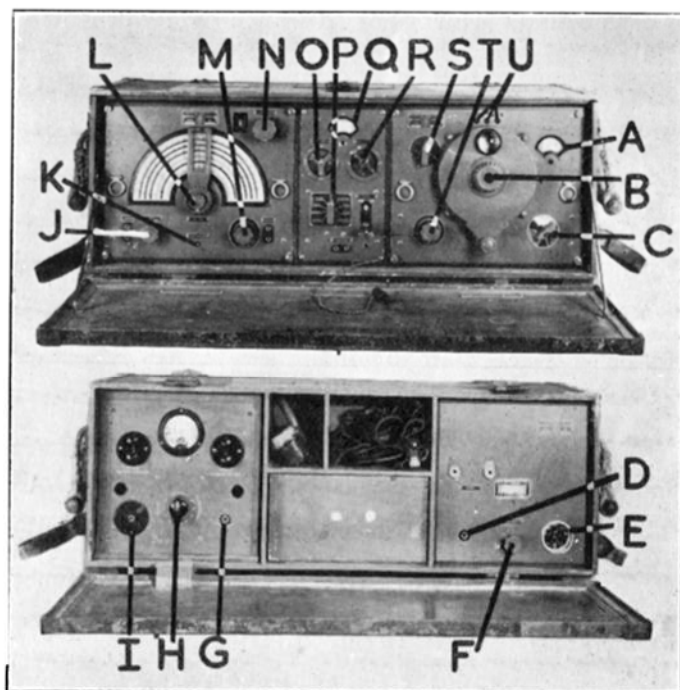
ITALIAN—ENGLISH GLOSSARY

Note.—Words with singular ending A have plural ending E.
 Words with singular ending E have plural ending I.
 Words with singular ending O have plural ending I.

Abbonato	..	..	..	Subscriber.
Accensione	..	..	..	Heating.
Accesso	..	..	..	Ready, stand by.
Accessori	..	..	..	Accessories.
Accoppiamente	..	..	..	Coupling.
Accoppiare	..	..	..	Couple.
Accumulatore	..	..	..	Accumulator, storage battery.
Acqua refrigerante	..	..	..	Cooling-water.
Aereo	..	..	..	Aerial.
Alimentatore	..	..	..	Power supply.
Alimentazione	..	..	..	Power supply.
Alternata	..	..	..	Alternating.
Alto frequenza (A.F.)	..	..	..	High frequency, radio frequency.
Altoparlante (Altop.)	..	..	..	Loudspeaker.
Alto parlatore	..	..	..	Loudspeaker.
Ammetenze	..	..	..	Admittance.
Ampermetro	..	..	..	Ammeter.
Ampiezza	..	..	..	Amplitude.
Ampiezza d'una corrente alternata.	..	..	..	Peak amplitude.
Amplificatore	..	..	..	Amplifier.
Amplificatore in controfase	..	..	..	Push-pull amplifier.
Amplificatore per trasmettitore	..	..	..	Sender amplifier.
Amplificazione	..	..	..	Amplification.
Ampolla di vetro	..	..	..	Bulb of glass.
Aperto—Chiuso	..	..	..	Open—Closed, Off—On.
Apparato	..	..	..	Apparatus.
Apparecchiatura	..	..	..	Equipment.
Apparecchie	..	..	..	Apparatus.
Armature	..	..	..	Armature (of a relay).
Attacco	..	..	..	Base.
Attenuatore	..	..	..	Attenuator.
Attenuazione	..	..	..	Attenuation.
Aumentare	..	..	..	Raise.
Autoeccitazione	..	..	..	Self-excitation.
Automatico	..	..	..	Automatic.
Avvolgimento	..	..	..	Winding.

TYPE OF EQUIPMENT.
Stazione RF4/1940

WIRELESS STATION No.



- | | |
|--|--------------------------------------|
| A. Aerial current meter. | K. Trimmer for receiver calibration. |
| B. Sender tuning. | L. Receiver tuning. |
| C. Sender band switch. | M. Volume. |
| D. Accumulator input. | N. Receiver band-switch. |
| E. Power supply output. | O. Voltmeter switch. |
| F. Switch :— | P. System switch. |
| 0—off. | Q. D.C. meter. |
| 1—stand by. | R. Sender C.W. output attenuator. |
| 2—work. | S. Aerial tap. |
| G. Output to accumulator from charger. | T. Aerial tuning. |
| H. Charger output control. | U. Trimmers for sender calibration. |
| I. Mains input voltage setting and input socket. | |
| J. B.F.O. switch. | |

JAPANESE—ENGLISH GLOSSARY

Introduction

Generally speaking Japanese is written from right to left and from top to bottom. Sometimes, however, the characters are written from left to right but this change should be evident on inspection.

Name Plates

The Japanese numerals are listed below.

1	2	3	4	5	6	7	8	9
一	二	三	四	五	六	七	八	九
10	100	1000	0					
十	百	千	〇					

If the characters are being read from right to left then 一十 = 11, 二十 = 12, and so on. If, however, the characters are read from left to right then 二十 would mean 20, and not 12. The rule is that a smaller number preceding a larger multiplies it, while if the smaller number follows the larger, it is added to it; *e.g.*, (reading from right to left):—

$$\text{五十二} = 25 \quad \text{五十} = 15$$

But, reading from left to right:—

$$\text{五十二} = 52 \quad \text{五十} = 50$$

In addition to the numerals the following characters are frequently used as the English "A," "B," "C," "D" in enumeration:—

$$\text{甲} = A \quad \text{乙} = B \quad \text{丙} = C \quad \text{丁} = D$$

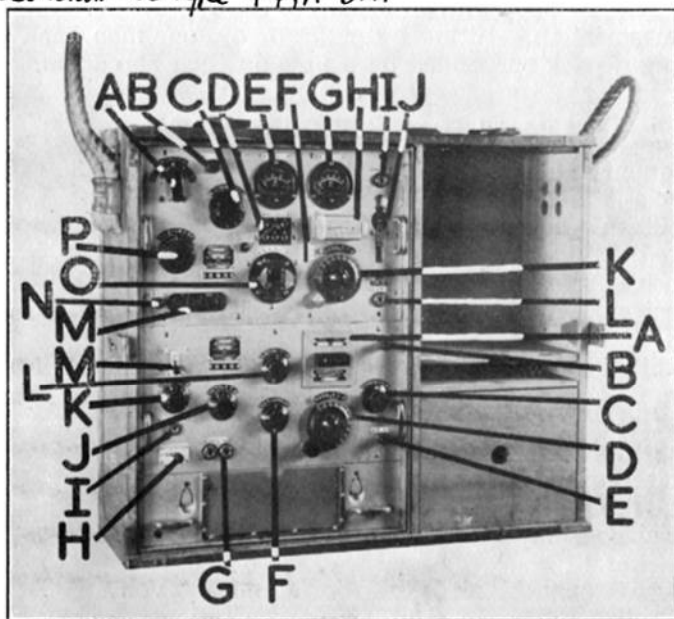
Following terms are also found on the plates:—

$$\text{式} \text{ Type.} \quad \text{機信送} \text{ Transmitter.}$$

TYPE OF EQUIPMENT.
Mule Pack Set S-P 3A

WIRELESS STATION No.

Also known as type 94, n° 3A.



Sender (top panel)

- | | |
|--------------------------|--------------------------|
| A. Off—Rec.—Send switch. | I. Keying relay jack. |
| B. Aerial socket. | J. Morse key (built in). |
| C. Aerial tuning switch. | K. Main tuning. |
| D. Aerial taps. | L. Key jack. |
| E. Aerial current meter. | M. D.C. input. |
| F. Neon indicator. | N. Earth socket. |
| G. Anode current meter. | O. Plug-in coil. |
| H. Crystal housing. | P. Aerial tuning. |

Receiver (bottom panel).

- | | |
|---------------------|---------------------------------|
| A. Plug-in coil. | H. H.T. switch. |
| B. Aerial socket. | I. Filament voltage test point. |
| C. Aerial trimmer. | J. R.F. gain. |
| D. Main tuning. | K. L.T. regulator. |
| E. Earth socket. | L. Regeneration control. |
| F. Fine tuning. | M. L.T. switch. |
| G. Headphone jacks. | |

Wireless for the Warrior Volume 1

First published December 1995 by GC Arnold Partners, Broadstone, Dorset, U.K., ISBN 1898805 08 3

Volume 1 (*'Wireless Sets No. 1 to 88'*) of Wireless for the Warrior is published in A4 format softback, and contains 360 pages, about 150 photographs, 320 line drawings/circuit diagrams and 130 tables. An explanation of the various Type Nomenclature systems used for Army radio equipment from WW1 to the 1960's is followed by descriptions of the sets themselves. The aim in each case has been to describe the history, technical details, aerials and accessories used with each set, together with spares schedules. Where a set was used in more than one application - for example as a mobile or a ground station - details of the variations are provided. Several versions and adaptations of the sets produced in Australia and Canada are also described.

The descriptions of the sets are followed by a series of appendixes: Glossary of Terms;

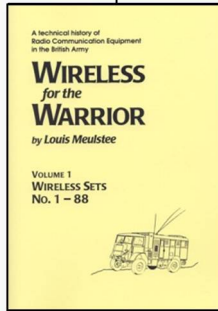
Condensed data of Equipment; Accessories List; Army Valves Designation and Equivalents; Table of Frequency Coverage of Army Wireless Sets.

All Wireless Sets in the numerical range (No. 1 to No. 88) are described. Detailed information is given on: Wireless Sets Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, Cdn 9, 11, 12, 13, 14, 15 (E10), 16, 17, X20A, 21, 23, 24, 26, 27, Cdn 27, 28, X32D, 33, 36, 37, Cdn 43, 47, 49 (B40/C40), X56A, 57, Cdn 58, 63, 76, 78 and 86 (C41/R222).

Other sets mentioned: Wireless Sets Nos. 11 (Aust), 101 (Aust), 108 (Aust), 109 (Aust), 112 (Aust), 133 (Aust) and Admiralty Type 5G.

Since the standard World War 2 sets are described in Volume 2, only a summary is given here; this includes:

Wireless sets Nos. 10, 18, 19, 22, C29, 31, 38, 42, 46, 48, C52, 53, 62, 68 and 88.



Wireless for the Warrior Volume 2

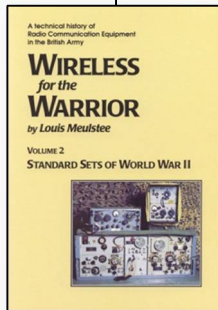
First published March 1998 by GC Arnold Partners, Broadstone, Dorset, U.K., ISBN 1898805 10 5

Volume 2 (*'Standard Sets for World War 2'*) of Wireless for the Warrior is published in A4 hardback, containing 722 pages, and featuring 200 photographs, approximately 750 line drawings/circuit diagrams and 180 data tables. Comprehensive information on vehicle installations is included where appropriate, giving the book considerable appeal to military vehicle enthusiasts, as well as awakening memories of those who maintained or used these sets 'in anger'.

It provides detailed information on the following standard World War 2 sets and other sets of which sufficient information was unavailable when Volume 1 was published:- Wireless Sets Nos. 10, 18, 19, 22, 31, 31AFV, 38, 38AFV, 42, 46, 48, 53, 62, 68, 88 and 88AFV - Wireless Sets Canadian Nos. 19, 29 and 52;

Australian Nos. 19, 22, 108, 122, 133 and 153
Other sets mentioned include: Burndept BE201, CN348, RCA ET-4332b, DF station PE No.1. Larkspur range: Station Radio B47, C42, C45 and C11/R210. Air Ministry: TR1143, TR1987. US Signal Corps: SCR-300, BC-610, AN/TRC-5 and AN/TRC-6.

In the Appendixes the following items are covered: Glossary of Terms; Condensed Data of Equipment; Accessories; Army Valves Designations and Equivalents; Table of Frequency Coverage of Army Wireless Sets; References and Bibliography; Commercial Equipment; Miscellaneous Military Equipment; Generating Sets and Secondary Batteries; Collecting and Safety; Vehicle Installations; Mains Power Supply Unit.

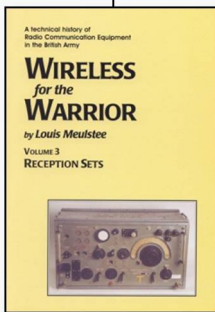


Wireless for the Warrior Volume 3

First published July 2001 by Wimborne Publishing Limited, Dorset, U.K., ISBN 0952063 35 2

The third Volume in the Wireless for the Warrior series, entitled '**Reception Sets**', is devoted to receivers (also known as Reception Sets) used in the British Army over the period 1932 to the 1960s. The contents of this Volume is principally concentrated on the R100 to R508 series, but many other receivers with different nomenclatures are covered.

Volume 3 consists of eight main chapters, each dealing with a distinct group of receivers (in total more than 70 receivers), introductory and general information pages and a number of appendixes. It contains 546 pages and features 230 photographs, 470 line drawings and 220 data tables in A4 hardback format.



- 1 Army Reception Sets.
- 2 Reception Sets Adopted from other Arms.
- 3 Special Receivers.
- 4 Direction Finding Receivers.
- 5 Army Broadcast Reception Sets.
- 6 Commonwealth Army Reception Sets.
- 7 Commercial Receivers Adopted by the Army.
- 8 Army Welfare Reception Sets.

In the Appendixes are covered:

- Condensed Data of Equipment.
- Army Valve Designations and Equivalents .
- Headphones in use in the British Army.

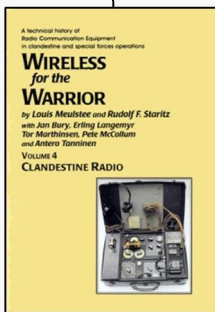
A large number of related equipment and wireless sets are mentioned in Volume 3 including specialists' vehicles and installation layout.

Wireless for the Warrior Volume 4

First published September 2004 by Wimborne Publishing Limited, Dorset, U.K., ISBN 0952063 36 0

The fourth Volume ('**Clandestine Radio**') in the Wireless for the Warrior series is different in approach to the previous books. Although it still contains a mix of technical data, photographs, line drawings and circuit diagrams, no extensive descriptions are provided, principally to limit the number of pages but also for reasons of non-availability of detailed information for the majority of the sets. This Volume is a combined effort of Louis Meulstee, Rudolf Staritz and a number of other authors, notably Jan Bury, Erling Langemyr, Tor Marthinsen, Pete McCollum and Antero Tanninen, experts in their own fields and living in various parts of the world.

The time period imposed on the selection of sets to be included in this volume stretches from about 1938 up to the early 1990s, approximately to the fall of the Berlin Wall.



It must be noted that apart from Clandestine, Agents or 'Spy' radio equipment, sets which were used by Special Forces, Partisans, Resistance, 'Stay Behind' organisations, Australian Coast Watchers and Diplomatic Service are covered. Also included are selected associated power sources, intercept receivers, RDF equipment, High speed keys, S-Phone, bugs and radio- and radar beacons such as Eureka/Rebecca. In the Appendix there is a list of abbreviations.

Volume 4 is covered in a number of main chapters, describing equipment used or manufactured in a certain country. Information is included on more than 230 sets. It contains 692 pages in A4 hardback format, and

features over 850 photographs, 360 line drawings and 440 data tables.

The Wireless for the Warrior Compendium series is principally intended as a practical guide and reference source to vintage military signal communication equipment. It is particularly valuable to anyone with an interest, professionally or otherwise, in this subject, requiring an elementary but complete quick reference and recognition handbook. Containing condensed data summaries, liberally illustrated with photos and drawings, explanatory captions and short descriptions of the main ancillaries, its pocket size format and laminated soft cover makes it an ideal reference and reliable companion for events such as auctions and radio rallies, or just for browsing at leisure.

WfW Compendium 1

Spark to Larkspur (Wireless Sets 1910-1948)

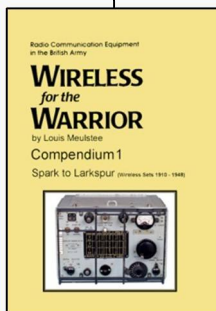
First published September 2009 by Emaus Uitgeverij, Groenlo, The Netherlands. ISBN 978 90 808277 2 1

Wireless for the Warrior *Compendium 1* Spark to Larkspur (Wireless Sets 1910-1948) is published in a practical A5 softback format. It contains 354 pages and over 560 photographs, line drawings and tables, a comprehensive index, and a fold-out 'Chart of interrelationship of sets'.

Compendium 1 is organised into three main sections being 'World War 1', further divided into chapters covering spark sets, CW sets, receivers, amplifiers and miscellaneous.

The second section, 'Interwar years' covers standard sets, experimental communication sets, experimental tank and AFV sets, early sets in the numerical series and miscellaneous items.

Finally, the section 'World War 2' covers sets in the numerical series up to Wireless Set No. 88 AFV, wave-meters, aerial coupling equipment, wireless remote control units and Morse training sets.



WfW Compendium 2

Spark to Larkspur (Special Sets, Receivers and Larkspur)

First published August 2012 by Louis Meulstee, ISBN 978 90 819271 0 9

Wireless for the Warrior *Compendium 2* 'Spark to Larkspur' (Special sets, Receivers and Larkspur) is published in a practical A5 softback format. It contains 215 different sets and systems in 458 pages, and over 1050 photographs, line drawings and tables. Included are a comprehensive index and a list of suggested further reading.

Compendium 2 is divided into five main sections and sub-divided into chapters by application, operational use, range or family of sets, and date of introduction.

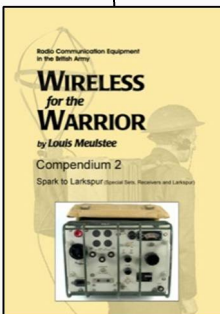
The first section covers 'Special Sets' with chapters: commercial, RAF and other sets adapted for Army use; ground to air sets; special sets; miscellaneous and local pattern sets; experimental sets.

The 'Commonwealth Sets' section deals with equipment manufactured and/or used in Australia, New Zealand and South Africa.

'Receivers' are covered in a separate section comprising chapters on: numerical series; commercial, RAF and special receivers adopted for Army use; Receivers manufactured in Australia, Canada and New Zealand; Army broadcast and welfare-amenities receivers.

'Direction Finding receivers and Systems' include chapters on rotating loop DF systems; commercial U-type Adcock DF systems; Army U-type Adcock DF systems; miscellaneous DF sets and systems.

The final section covers the 'Larkspur' era of sets, including Anti-Aircraft Command sets.



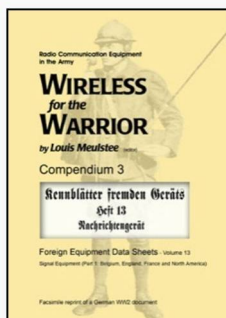
WfW Compendium 3 and 4

Foreign Equipment Data Sheets Part 1 and 2

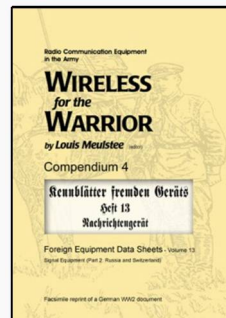
First published August 2012 by Louis Meulstee

WfW Compendium 3: ISBN 978 90 819271 1 6

WfW Compendium 4: ISBN 978 90 819271 2 3



Wireless for the Warrior *Compendium 3* and 4 contains a facsimile reprint of the German World War 2 publication entitled 'Signal Equipment' ('Nachrichtengerät'), also known as D50/13. The publication is Volume 13 in the 'Foreign Equipment Data Sheets' ('Kennblätter fremden Geräts'), a series of German Army publications providing data on enemy equipment, principally from Belgium, England, France, North America, Russia and Switzerland. It was first issued to the German forces in July 1940, completely revised in 1941, with supplements issued in 1941, 1942 and 1943.



For practical reasons the reprint was split into two parts: *Compendium 3* covering the Belgian, English, French and North American sections containing 225 different signal instruments in 474 pages, and *Compendium 4* with the Russian and Swiss sections, containing 171 different signal instruments in 364 pages. For English-speaking readers an English introduction, table of contents, glossary and translation of original German sample pages are provided. The facsimile reprint represents the D50/13 publication as it was used issued and updated, including all supplements, of

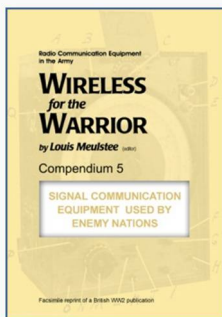
which the last was issued in November 1943. 'Foreign Equipment Data Sheets' is a series of 15 different German Army publications providing principal data on enemy equipment ranging from small arms, heavy weapons, ammunition and vehicles, to communication equipment. They were compiled by the German high command, based on captured equipment and handbooks, but also from various (commercial) documents and journals, and issued to the German Forces as a guide to the reuse of the equipment. Original and complete copies are rare.

WfW Compendium 5

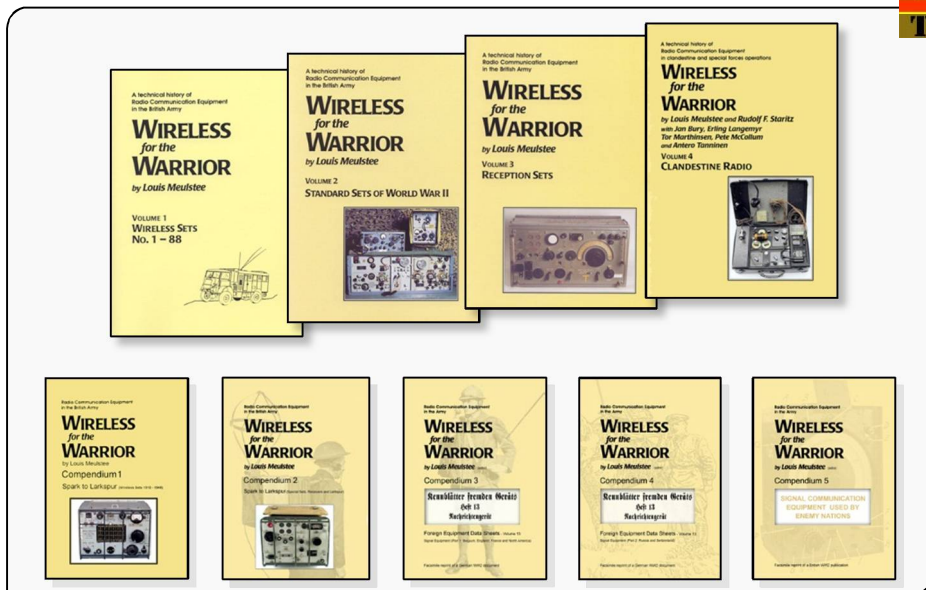
Signal Communication Equipment used by Enemy Nations

First published November 2012 by Louis Meulstee, ISBN 978 90 819271 3 0

Wireless for the Warrior *Compendium 5* is a facsimile reprint of 'Signal Communication Equipment used by Enemy Nations', a British publication providing technical and operational data on captured enemy signal communication equipment originating from Germany, Italy and Japan. It was produced by the Signals Research and Development Establishment (SRDE) in co-operation with M.I. 8 and first issued as a secret document in January 1944. The publication was a result of careful study and examination, based on captured equipment and handbooks, intended as a guide to the reuse of the equipment. At first glance the publication may be considered as the British



counterpart of the German 'Kennblätter fremden Geräts, Heft 13, Nachrichtengerät' (reprinted in WfW *Compendium 3* and 4). However, the individual entries in 'Signal Communication Equipment used by Enemy Nations' are far more detailed and accurate. In addition it provide many practical details such as hints on the operation and maintenance of the sets, glossaries, nomenclatures with an explanation of the type numbering systems, and connections of plugs, sockets and valve bases. Original and complete copies are very rare. This reprint reproduces the publication as it was originally issued, including all supplements with the amendment changes already carried out.



Wireless for the Warrior

Volumes 1 - 4 and Compendium 1

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Compendiums 2 - 5

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