SALE OF BACK ISSUES OF SIGNAL

Back issues of *Signal* are available to fully paid-up VMARS MEMBERS ONLY at £4 per issue + postage at cost. Signal is available in hardcopy only. Similarly, we can provide hardcopies of individual issues of the VMARS Newsletter; back issues are not held so reprints would need to be made and will be charged at cost +postage. Any Member wishing to purchase back issues should contact the VMARS Membership Secretary in the first instance.

LIST OF THE CONTENTS OF ISSUES 1-65 OF SIGNAL

ISSUE 1: October 2006

A modern rebuild of an HRO GEE – A radio navigation aid

Notes on the WS38

Little Dora and her offspring

Building a replica Paraset

A note on R210 vibrators

New for old – a restorer's dilemma

The explanation

A newcomer's arrival into valve & vintage

The Admiralty Pattern AP1803A transmitter

ISSUE 2: January 2007

Garden party surprise - another B2 spyset

"AM" - Ancient and Modern?

AVO 8 batteries

Build a QRO transmitter. Part I: The RF deck

"Tricks of the Trade"

Calculating meter shunts

WS24 reconstruction project

An introduction to Clansman

The T1509 transmitter

Silica transmitting valves

How far can we push that crystal?

On him may depend the aircraft's safety

Letters: HRO 15 m bandspread coilpack

ISSUE 3: April 2007

An irresistible urge

The development of the ER-95* military transmitter Build a QRO Transmitter. Part II: The modulator

and power supply

Rejuvenating a Type 43 Acos microphone

Tiger, tiger glowing bright

"Tricks of the Trade"

The future of the past or some thoughts on 2057

High quality modulation monitor

Add an RF ammeter to the TT21 TX

The tiny TX with the big voice

Enigma

Letters: Colpitts oscillators, equipment survival

ISSUE 4: July 2007

Editorial: Fixing things

SDR - Steve Designed Radio - A QRP transceiver

for 2007

The Marconi/GEC RC.410/R receiver

Wireless and Radar in the Royal Artillery 1956-63

Build a QRO transmitter. Part 3: The final-final

The Pearce Simpson Bimini 550 AM radio

telephone

Repairing Cossor valved oscilloscopes

A high-power modulator for the LG300

A test of the Shirley aerial

Recreating decals and labels for vintage equipment

Notes the WS38: Part 2

The WS68P at large

Experimenting with a Franklin VFO

"Tricks of the Trade"

Letters: Audio phase-shifter in an AM transmitter

ISSUE 5: October 2007

Editorial: Elegant simplicity, but is it working as well

as it should?

Rebuilding the BC-348

The TRC 522

The National HRO receiver

"Tricks of the Trade"

The Codar AT5: Tales and tweaks

The Royal Air Force R1155 radio receiver

How good is the match?

Jingle Bells

Band spreading the HRO on 30 metres

ISSUE 6: January 2008

Editorial: A work of art

A history of amateur radio in the UK from 1939 to

1955

A practical look at Arnhem communications

"Tricks of the Trade"

The military CT443 power meter

Introducing...the NETOMETER

Struggles with the 813 valve at the EEV Company

Build a QRO transmitter. Part 4: Postscript

Vibrator replacement for the R209 receiver

Another look at crystal current in crystal oscillators

Vector Network Analysers – receiver/antenna

matching

ISSUE 7: April 2008

The Secret Intelligence Service Mk 33 transmitter Electronic replacement vibrators for military radios British military communications during the Falklands

War

Adding LSB to the Clansman UK/VRC321 HF

transceivers

Low-cost linears

A new regulated power supply for the PRC-6 and

similar radios

Amateur radio history

A DIY 4-metre beam

"Tricks of the Trade"

ISSUE 8: July 2008

Allo, Allo......(The Jupiter ER 504)

A history of amateur radio in the UK. Chapter 2:

1948–55

An international erection

The T1154 and post-War use

"Tricks of the Trade"

Decals (waterslide wet transfers)

The T1154 on Top Band

Restoring RF ammeters, Part 1: The 5G RF

ammeter

Build a QRO transmitter: The circuit diagram

ISSUE 9: October 2008

Editorial: The greatest patented invention ever The Hallicrafters HT-4 (BC-610) transmitter in war and peace Part 1 – "Voice of Victory"

Siemens Plessey Vixen system receivers Modifications to the Plessey PVS38XX receivers A history of amateur radio in the UK from 1939 to

1955. Chapter 3: 1947

A 6AM6/807 transmitter for 80 metres

An unusual balanced ATU for a doublet on 80 m "Tricks of the Trade"

Build a stabilised PSU

Repairing the Marconi TF2002B signal generator

Letters: Amateur operation during WWII?

ISSUE 10: January 2009

Editorial: Investigating how things were

A history of Amateur Radio in the UK: Chapter 4: 1948-55

A D/F Loop for the R1155

A homebrew D/F cross-pointer meter for the R1155

A test-rig for measuring the dynamic range of 80 metre receivers

Book Review: 'The Secret War Factory' by Charles **Exton**

Soft-starting Arnhem - some further thoughts

"Tricks of the Trade"

Letters: Adding LSB to the RT-321 – a postscript Letters: T1154 and Xtal front-ends: Which PA tube

Letters: Comments on TOTT and receiver dynamic

range

ISSUE 11: April 2009

Editorial: Ten years of progress The RAF receiver R1475 Donald MacKay (1870-1958)

The Uni-Timer construction project

"Tricks of the Trade"

Operation of VFOs and the Wofferton Drive League

The Marconi HS27, HS28 and NT201 transmitters

An introduction to Clansman, Part 2 Digging for Victory – (and profit)

PICs are vintage – honest

A frequency-changing project

An active loop aerial for 80 m

ISSUE 12: July 2009

Editorial: What you read is what you write

Introduction to Clansman: Part 3

Modifying the Clansman RT321 for easier use

Chinese Type 339 HF receiver

"Tricks of the Trade": Aspidistra and OSE5

A low level oscillator for 80 m

A 'classical' 6-metre converter

The UK/PRC 349

The half-wave filter

PICs are vintage: further scribbling

Some post-War HF manpacks for long range

patrols

Image rejection circuits

ISSUE 13: October 2009

Editorial: A rewarding experience The Hallicrafters HT4 (BC610). Part 2 Making thermocouples for aerial ammeters

Arnhem 2009

Multi-Rock. A novel transmitter signal source

The single sideband C11 - MEL L556

"Tricks of the Trade"

Racal MS869 sequence unit

A tale of two TT21s

ISSUE 14: February 2010

Editorial: Just because you are a VMARS member

The Redifon GR479 HF SSB radio station

RF power relationships in WWII low power HF manpacks

"Tricks of the Trade"

An alternative to the Smith Chart

A control-grid modulated transmitter for 80 m

Clapp, Colpitts, Seiler or Vackar. What's the

difference?

The Clansman Intelligent Battery Management

System

Netometer II - time for the needle

600 V HT at 250 mA

ISSUE 15: May 2010

Editorial: A blend of old and new

The rebuild of a Gee navigation system

The Gee Whiz – a Gee ground station simulator

Telephone handsets for VHF/FM military man pack radios

"Tricks of the Trade"

A 10 MHz IF crystal filter for AM Repairing IF transformers

Grid and other modulation schemes

Donald MacKay (1870-1958)

RAT5 - a superhet receiver for 80 m or 160 m AM

The Reception Set R103

A 300 W, 50 ohm, dummy load

ISSUE 16: August 2010

Editorial: Into our fifth year

Further reflections on Arnhem

The Telefunken E52 communications receiver

A 'suitcase' transmitter-receiver

WS No. 68 P modulation

The Clansman PRC320 LSB modification

FAT-MAX – an analogue speech processor

Pi-tank outputs and safety

"Tricks of the Trade"

Letters to the Editor

ISSUE 17: November 2010

Editorial: Season's Greetings

Further reflections on Arnhem. Part 2

A 40 m CW bandspread coil for the HRO

Datacomms in the field over Clansman radio

systems

A Clansman computer interface

"Tricks of the Trade"

Broad spectrum radio

The Saturday Net: how it all started

Using 75 ohm test equipment in 50 ohm

transmission lines

The Racal TRA967

Practical tips

Building an ultra low-power Acorn valve transmitter

A 'budget' version of the 10 MHz IF crystal filter for

ISSUE 18: February 2011

Editorial: A VMARS Handbook?

Elements of the Soviet mobile radio station R161A-2M

WS 46 aerial matching and RF power

An unusual WWII HF pack set

Spread spectrum

Practical tips

Logarithmic amplifiers

An AM ladder filter for an IF of 450 kHz

Racal ComSec MA4450 Tactical Data Entry Device

Circuit diagram of the RBZ receiver

ISSUE 19: May 2011

A quick look at the Russian R311 field receiver

"Tricks of the Trade"

Make your own IF transformers The BC611 Handie Talkie

Air navigation during World War II

Practical tips

Clansman PRC320 LSB modification revisited

ISSUE 20: August 2011

The 3-phase supply and active aerial in the R161

TV or Radio

The faithful relic

Back in the USSR courtesy of the Wehrmacht

The BC-312 receiver

The Clansman UK/PRC350

RT320 EMERS, manuals and mods

The Wonder Pit story

"Tricks of the Trade"

Portable power for the TCS

ISSUE 21: November 2011

Further reflections on Arnhem. Part 3

How wide is your signal?

UK/RT320 SSB filter bandwidths

The Marconi CP-34 transceiver

The BC-223 transmitter

"Tricks of the Trade"

ISSUE 22: February 2012

Common aerial working with B40s

An 80-metre bandspread coil for the HRO

"Tricks of the Trade"

Practical tips

Clansman VRC32 lower side band

The WS38 transceiver

The Collins 618T airborne transmitter-receiver

Valve RF amplifiers and mixers

An electromechanical T/R sequencer

ISSUE 23: May 2012

The Collins 618T HF airborne transmitter-receiver

Stable regenerative receiver using the 6V6

Radiovision and the Commander

Valve oscillators

"Tricks of the Trade"

AWA C17020 Amenities receiver

How to make white decals

After Enigma: the move to electronic cyphers

ISSUE 24: August 2012

Interrogator Type 242

AM and CW valve signal detectors

618T signal fadeout on 9th May 2012

"Tricks of the Trade"

Matched PA valves

Practical tips

The hedgehog

The Collins 618T. Part 3

Watching AM

ISSUE 25: November 2012

Wireless Set No. 1

Defence HF communications in the 1960's

A bench power supply for manpack radios

Inductors or coils

"Tricks of the Trade"

The Collins 618T airborne HF TX-RX. Part 4

Book Reviews

ISSUE 26: February 2013

A series modulator for AM

The ultimate regenerative receiver by NR5Q

Superheterodyne receiver ganging and tracking

The Collins 618T. Part 5

Jamie Dodger calling Speedbird

The AN/GRA-71 Burst Coder

Unwanted emissions in the spurious domain

"Tricks of the Trade"

A Racal Syncal 30 modification

ISSUE 27: May 2013

60 metres from the M54

Police radio communications pre- and post-WARC

An experimental straight receiver for 80 metres

Casting small components

"Tricks of the Trade"

The Collins 618T airborne HF TX-RX. Part 6

Book Reviews

ISSUE 28: August 2013

Admiralty Pattern Indicator Frequency Drift

Wireless Set No. 128 backpack transceiver

Designing valve circuits

Web-streamed SDR receivers at GB2RHQ

Clansman battery disassembly revisited

Voltage control in Larkspur vehicle installations

Police radio communications pre- and post-WARC

"Tricks of the Trade"

ISSUE 29: November 2013

A speech conditioner for AM

About.....Turn!

Using a short vertical antenna at HF

An audio white-noise generator

A humdinger of a smell

"Tricks of the Trade"

The 'Windom-style' DX-100U mod. transformer

Woden modulation transformer connections

Refurbishing batteries

The ionisation tester-restoration and use

ISSUE 30: February 2014

Built a replica Paraset and been disappointed?

Using the BC221 as signal generator

The lifting link, Faraday screen, etc. RF chokes

"Tricks of the Trade"

A shocking story

Valve and semiconductor passwords

The WR1/P amenities radio The Australian Wireless Set 108 Repairing the Systron Donner 1720 Screening

ISSUE 31: May 2014

Metropolitan Police wireless prior to 1930 A valve-buffer amplifier to drive an 813 from DDS "Tricks of the Trade" The WS B70: a potted history. Part 1 The PRC-64A HF transmitter-receiver Using vintage equipment on the 5 MHz band Valve testing An improved ADSL filter

ISSUE 32: August 2014

Transmitter W/T No. 1 and related transmitters
Transmitter and receiver tuning: wavemeters
The D111 Telephone
The Zimmermann Telegram
Canadian Army wireless in WWI
The 'Round' valve
"Tricks of the Trade"
Heart transplant for a dying RV2P800 valve
Bandspreading
A static 'crash' reducer
Extract from WWI Battle Orders

ISSUE 33: November 2014

"How to make a wireless telegraph"
Increased selectivity for a vintage receiver
The WS B70: A potted history. Part 2
Vintage satellites
"Tricks of the Trade"
Ham audio processing in a nutshell – basics
A PSU plug
Repairing a badly damaged variometer
AGC or AVC?
Making a BA1509 battery for a PRC-64
Shall I risk it?

ISSUE 34: February 2015

1944 RAF aircraft MF/HF wireless operations Good quality TCS mod without a mod A 30 dB coupler Power and SWR measurement Build a low-pass filter Operation Overlord WAS Butement (1904–1990) Shall I risk it? Important safety information Modifications to an HRO-5T for CW operation "Tricks of the Trade" New life for a Heathkit C-3U R/C Bridge

ISSUE 35: May 2015

'Conditions' during the eclipse
The VMARS solar eclipse experiments
An experimental ATU. Part 1
The G8TMV CTCSS encoder board
The I-177 valve tester
A 1921-style superhet
"Tricks of the Trade"
Decoupling
Instant HT on and off the M54
A well-behaved and efficient end-fed multi-band aerial
Accuracy in published work

Modulating the Wireless Set No. 10 A one-valve double-reflex superhet receiver

ISSUE 36: August 2015

A non-standard B2 'spy set'

Variable inductors

The Harris RF-2301 tactical radio and RF-RF-2360 PSU

Aerial antics

Further comments on the BC-611 Handie Talkie

"Tricks of the Trade"

MCR1 Receiver (Type 36/1)

Book Reviews

ISSUE 37: November 2015

Saved from the skip: a wartime RCA AR88 receiver rescued

The Bomber Command Signals Security Set Distributed amplifiers

The Schaub Lorenz Music Centre 5001 model A simple antenna changeover and keying system BC-611 inverter

Cold War 'Y' Station, Berlin, Teufelsberg, 1969–72 Improving Clansman VCR321 performance on AM Tricks of the Trade

A vintage medium-wave regenerative receiver Some thoughts on the magnetic loop antenna An experimental remote ATU. Part 2

ISSUE 38: February 2016

MAFTX-350A: a 3.5–50 MHz AM/CW transmitter Three slide rules for wireless (spark-gap) telegraphy Calibrating the BC221 WS19 Mk111 H 028: a personal experience Standard Beam Approach receiver The 1936 Eddystone All World Two receiver "Tricks of the Trade" Conventional high-voltage power supplies Signal frequency filter for 3615 kHz A synchronous demodulator for AM

ISSUE 39: May 2016

Restoration of a KW Vanguard
Now, that's what you call a boatanchor!
Follow-up to the 3615 kHz signal frequency filter
The Volna-K receiver
A green computer
"Tricks of the Trade"
T1154 power supplies and related issues
A.F. Bulgin & Co., Ltd.
Another slide rule for wireless
Corrigenda: the 1936 Eddystone All World Two
Receiver

ISSUE 40: August 2016

Crystal-Control for amateur transmitters
"Tricks of the Trade"
Shaving off even more Cents
The CNC mill
A solid-state 3615 kHz AM "tower"
The Electrician Practical Wireless Slide Rule
Atomic-referenced frequency calibrator
The German HF community and amateur radio
scene

ISSUE 41: November 2016

Amateur radio training in the 1960's

Quartz crystals and oscillators

Downward modulation in beam tetrode amplifiers A home-constructed mobile transmitter from the 1950's

The WEEE Directive and disposal of old electronic equipment

AIRMEC Type 871 signal generator

"Tricks of the Trade"

Labgear wideband coupler rebuild

A 'panadaptor' for the B40

ISSUE 42: February 2017

Dornier Do.17Z 5K + AR Bord Funk Gerat A simple Q-multiplier

Radio Link Sound Ranging MkII

"Tricks of the Trade"

Testing power transformers

MTR1 MkII transmitter-receiver

Ground conductivity at Arnhem

ISSUE 43: May 2017

MAFRX-35A: an all-valve 3.5 MHz receiver Solder

Heater-cathode insulation and cathode-keyed PAs Wireless Set X20-the other 'beam' radio set "Tricks of the Trade"

RACAL TRA967 VHF FM transceriver

A compact PSU for a valved receiver

The T1154 on the 5 MHz band-keeping the faith

The GW3OQK balanced 'S-Match' tuner

Book Review: The Real Dad's Army

ISSUE 44: August 2017

15th Motor Gun-Boat Flotilla, Coastal Forces

Capacitors for transmitters

A straightforward near-replica of a WS19 PSU

"Tricks of the Trade"

"Wireless" by Rudyard Kipling

ARB receiver (CRV-46151)

Tales of a National Service Signaller—Tent 46

A semi-automatic Morse keyer

Letters to the Editor

ISSUE 45: November 2017

Mason A-3B Technical Surveillance Counter-Measures Receiver

Grid bias for a PA stage

Lewis Golden: Obituary

The Racal MA4202 voice encoder

Lampemetre Anlayseur MB

"Tricks of the Trade"

The μ -tracer: a versatile valve curve-tracer

A QRO VFO-controlled transmitter for 80 m. Part 1

Errata: Signal Issue 44, pages 13-17 and 29-35

How to repair handles

ISSUE 46: February 2018

The Wireless Operator

Radio Link, Sound Ranging MKII: follow up

The Hhstory of 648 kHz in the UK

Rotary power supplies Type 32 and Type 34

"Tricks of the Trade"

Mains PSU and amplifiers for a T1154/R1155

Standard connectors

A compact mains PSU for the GRC-9

ISSUE 47: May 2018

The original Paraset

British Type A Mk.II/H 15a World War II spyset replica

Sherlock Holmes investigates a PRC319 mission failure

Antenna couplers/ATUs/transmatches

"Tricks of the Trade"

TCS transmitters and a 50 ohm load: a simple solution

A compact mains PSU for the GRC-9

ISSUE 48: August 2018

Battle of Britain Radio: the TR9

The UF-1 VHF transceiver

How accurate is your DFM?

The ATB transmitter (type CRV-52233)

Across the Channel on AM with 600 mW

"Tricks of the Trade"

How to refit a scrap PRC319 for QRP

A TCS receiver repair

Reviving 'dead' metal-can crystals

Book Review: Arnhem - The Battle for the Bridges 1944

ISSUE 49: November 2018

Follow-up to Arnhem: The Battle for the Bridges

Converting the Burndept BE527 AM transmitter from VHF to HF

"Tricks of the Trade"

The Command set

Marconi Flexible Receiver

400 Hz inverters for air-borne radios. Part 1

ISSUE 50: February 2019

Whaddon Mk V SIS 'Spy Set' replica

A T1154 restored

A small multi-band receiving loop and amplifier

Dual diversity adaptor type RX3A as a crystal tester

The WS48 on 3615 kHz

"Tricks of the Trade"

The RAF microphone

The R1155 homebrew PSU & amplifier

Step-start without a discreet timer

Book Review: The History of the Rugby Radio Station

ISSUE 51: May 2019

The Wadley masterpieces

How to lace cable harnesses

Sun, rain and radio: a personal reflection

A 60-metre Codar clone

Southwold's secret Y-Station. Part 1

Some dynamic microphones and their signatures

Increased microphone gain for the WS19

"Tricks of the Trade"

Valve specifications and the cathode-keyed PA revisited

An 80-metre CO/PA transmitter

ISSUE 52: August 2019.

VMARS' contribution to the D-Day 75th Anniversary Vintage satellites

"Tricks of the Trade"

Bendix RA-1B 'super RX' The AN/ARC-60 (ARC Type-12) Southwolds's secret Y-Station. Part 2: Y-Service

Overview

Athlone calling

Advance signal generator Model Q1

ISSUE 53: November 2019

RN equipment nomenclature

Mr Pepin of Marlborough

The PYE 619 transmitter/receiver

R1155N rebuild

A 618T tidy up

Southwold's secret Y-Station. Part 3: East Coast Y-

Stations

The G3IKR Elizabethan transmitter

"Tricks of the Trade"

Ajax Leader

ISSUE 54: February 2020 Southwold's secret Y-Station. Part 4

A portable field radio

Tubes, transistors and takeovers

An AM-level meter

Clansman in the Falklands

"Tricks of the Trade"

SAMOS receiver Fu MB 4

An iso-frequency converter for the BC669

transceiver

Repairing Bowden cables

ISSUE 55: May 2020

The humble transmission line: its properties and practical applications

Denco coils for valve receivers

My father Harold Chadwick G8ON

A simple valve analyser for measuring mutual conductance

A field study of the 'Hallmark' speech security device

Radio transmitter T1223A

The M0DAF 'Corona' 80-metre AM receiver

Southwold's secret 'Y'-Station. Part 5: Watch hut

interiors and equipment

"Tricks of the Trade"

Handy propagation monitor accessory

The input capacitance of valve amplifiers

The Enigma machine. A history and my story

ISSUE 56: August 2020

LSB for the Clansman - digitally

Cathode modulation of AM transmitters

A novel AM transmitter using an ECL80-series valve

Making replacement scales for moving-coil meters

Spy messages 1950 to the present

4-400A linear amplifier

The 394, 394A, 394F and 394G receiver family Southwold's secret 'Y'-Station. Part 6: References

and Appendices

Project Raven

"Tricks of the Trade"

'EF50' one-valve AM transceiver for Top Band

The Bendix RA-1B aircraft radio receiver

The R.1224 receiver

The G3VTD one-valve AM transmitter

Spectre: spectral inversion for USB-only radios

ISSUE 57: November 2020

SOE S-phone Ship

A bit of nostalgia

The G4EJM one-valver

Build a rack-mount chassis

A screen-modulated one-valve AM transmitter

"Tricks of the Trade"

Cathode modulator with current-controlled feedback

RAF SYKO machine

Developments in communications during the Great War

Japanese surrender at Rabaul

Rhode & Schwarz ESEF military VHF FM receiver

Aumann coil winder

Input circuits for the passive-grid amplifier

Building an 80-metre bandspread coil for the HRO

Wideband interference monitor

WS52 (Canadian): Overcoming construction issues with a replica PSU

ISSUE 58: February 2021

Internal Fire - Museum of Power

Synchronous AM detector for improved shortwave reception

The lucky accident, The BSA Net and West Africa

A receive-converter for 10 metres

Earth Induction Telegraphy

The G6TVJ 'one-valver'

A case for a WS48

Etching quartz crystals

"Tricks of the Trade"

A home-constructed DF loop for the R1155

Screws, nuts and screw threads

The development of medium-powered mobile HF equipment for the Army

Restoration of a Wireless Set 48

The sinking of the Flying Enterprise: an amateur radio adventure

The G3RZP 'one-valver'

The rocking armature – an investigation

ISSUE 59: May 2021

Swiss LF-HF receiver E44.

Restoration of a Power Supply Unit No. 5

Re-stuffing 'bathtub' capacitors

Troubleshooting Spectre

A tale of two amateur radio pioneers

The Royal Navy's Type 5/6 Portable Set of 1914

The smart bypass diode - a useful device with potential

The reflex klystron

"Tricks of the Trade"

j-Demystified: why does $j=\sqrt{-1}$?

Memories come in "three's"

An analysis of stripline directional couplers

A gallery of Spectres

The A.E.W.1 amenities receiver

New life for an old valve-based receiver

A 40-watt modulator with cathode-coupled driver

Dumped radio equipment

ISSUE 60: August 2021

Daystrom Limited

An original war-time Paraset and a forensic

investigation

Criggion Radio Station

Inside Criggion

Criggion Radio Station (odds and ends)

Maxwell's equations and their implications for amateur radio

A state-of-the-art speech processor

"Tricks of the Trade"

An experimental HV PSU

Wireless Set No. 62 transceiver

The cathode follower

The BC-357-B marker beacon receiver

Solid-state rear-end for hybrid receivers

ISSUE 61: November 2021

One hundred years of short waves across the Pond Simple mechanical repairs to valves

Adding a digital frequency meter to a valve based receiver

The missed opportunities

Cigarette-card TRF

Echolink and military radio

Wavemeter Class C

The M1PVC TRF Receiver

A very straight receiver

The origin of jXL., jXc and inductance L in electrical circuits

An inverter PSU for the WS19

"Tricks of the Trade"

The G4OJY TRF receiver 'challenge'

A novel approach to IF 'Q-multiplication'.

The Optimod-AM 100.

A companion receiver to the G3RZP one-valver

A trawler-band TRF receiver

ISSUE 62: February 2022

Making replica control knobs (and other items)

A remote-control high-power L-network AMU

A T1154/R1155 power supply unit

80 Years of BBC and VoA

HF transmission audio

The CSF Type RS550 Stabilidyne receiver

A tale of two triodes

Transmission lines, antennas and the Smith Chart.

Part 1

AGC, detection and distortion Wavemeter Class C (Aust)

"Tricks of the Trade"

Labgear LG50 transmitter rescued

Letter to the Editor Re: "The missed opportunities"

ISSUE 63: May 2022

Alan Morriss G4GEN SK

In defence of Bill & Bob

The Wullenweber antenna

Red Army GRU Colonel Ursula Maria Kuczynski

The Comet 70 years on

A modular CW/AM transmitter for the 80-metre band

T-195/GRC-19 transmitter

Valve characteristics

"Tricks of the Trade"

Low-voltage power supply and high-current dummy load

Loudspeaker output for the R1155

Transmission lines, antennas and the Smith Chart.

Part 2

A blank Smith Chart

A new feeder for a 102-foot doublet on 80 m

ISSUE 64: August 2022

A four-square phased vertical array for the 80-metre

The BAARE (British Arctic Air Routes Expedition)

EMF and all that!

The Harmonikker: effective and economical

harmonic attenuator

Agent Sonya's wireless: fact, fiction, fantasy and fable

Wireless through water at Fastnet Rock – 1895

Mixers or frequency changers

HM W/T Station, Mount Pearl, St. Johns,

Newfoundland

Made in GDR: R5, the portable EKB HF receiver in

its Czech variant

Realistic DX160 receiver

"Tricks of the Trade"

Book Review: Charles Exton. The Secret War

Factory

ISSUE 65: November 2022

A high-power 813 AM transmitter based on the WS53

An effective RF speech clipper

New modulator circuit utilises 807s in Class-B with zero bias

807s in zero bias Class-B

"Tricks of the Trade"

Build a sliding-plate capacitor

Resonant lines and matching applications. Part I

Neutralisation

The TRA3755 Racal HF transceiver