

Welcome



SPRAT

Journal of the GQRP CLUB
DEVOTED TO LOW POWER COMMUNICATION

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THE ZS6BKW MULTIBAND ANTENNA REVISITED	MARTYN VINCENT	G3UKV	129	32
HOMEBREW LADDER LINE – SOME IDEAS	LUCA NORIO	IV3TEK	130	13

Antennas

THE ZS6BKW ANTENNA - FROM THE HORSE'S MOUTH	BRIAN AUSTIN	G0GSF	130	27
BEAD-WIRE ANTENNA	ED BRENEISER	WA3WSJ	131	26
AN LF LOOP FOR 80M AND ABOVE	COLIN TURNER	G3VTT	131	30
THE G4VPF SKY WALKER	OWEN DAVIES	G4VPF	132	30
THE US7IJW VEE ANTENNA	VICTOR SCLJAROV	US7IJW	132	31
SIMPLE LOOP ANTENNA	LES AUSTIN	G0NMD	133	28
500 KHZ ANTENNA SYSTEM	ADRIAN HEATH	G4GDR	134	30
OFF CENTRE FED WINDOM VARIATION	WYN MAINWARING	GW8AWT	134	31
A WIDE BAND ACTIVE LOOP RECEIVING ANTENNA	DES KOSTRYCA	M0AYF	135	12
DL END FED ANTENNA	Uwe Kürschner	DL7UWE	135	32
A SIMPLE FIELD GROUND PLANE ANTENNA	Graham Errington	M0GAE	136	31
WINDOM ANTENNA FROM THE US	RICK McKEE	KC8AON	138	32
MINI PORTABLE LOOP AERIALS	JIM STIRLING	GM3UWX	139	16
A PORTABLE VERTICAL	LES AUSTIN	G0NMD	139	29
VERTICAL ANTENNA	VICTOR	UJ7IJW	139	31
A 160m VERTICAL	COLIN TURNER	G3VTT	140	29
PAC12 THE ENGLISH VERSION	TONY LIFTON	G0PEH	141	4
OPEN WIRE FEEDER IDEA	JERRY GERARD	G0AED	141	10
A COMPACT 160m ANTENNA	COLIN TURNER	G3VTT	141	28
THE W3EDP ANTENNA (AGAIN)	KEN KETNER	KA5ELD	141	29
A DIRECTIVE VERTICAL ANTENNA	Peter Millis	M3KXZ	141	30
ACTIVE LOOP ANTENNAS	GIAN MODA	I7SWX	142	4
CROWN WIRE LOOP ANTENNA	Carl Mason	GW0VSW	142	28
A WINDOM ANTENNA FOR 5MHz BAND	TOM SORBIE	GM3MXN	142	30
USEFUL KNOTS	DIETER KLASCHKA	DL2BDQ	144	31
SHORT OFF-CENTRE FED DIPOLE FOR 80-10m	JESPER FOGH BANG	OZ1XB	145	26
PORTABLE ANTENNA IDEAS		G3HJF	145	31
FOUR METRE PORTABLE DIPOLE	JOHN RICKETTS	G8LJO	146	28
ANTENNAS FOR THE DEVIOS AND DESPERATE	Carl Ratcliffe	2E0TEC	146	29
BRATS VERTICAL ANTENNA FOR 80m & 160m	COLIN TURNER	G3VTT	147	28
ATU WITH PLUG IN MODULES	ANTHONY LANGTON	GM4HTU	148	5
TIPS FOR CUTTING FERRITE RODS	JERRY GERARD	G0AED	148	25
MULTIBAND GROUND PLANE ANTENNAS	COLIN TURNER	G3VTT	148	26
BOOST YOUR PORTABLE FOR NOTHING	COLIN TURNER	G3VTT	148	27
VARIABLE INDUCTANCE LOOP	JOHN SEAGER	G0UCP	148	27
38.5 MTR LF BAND ELEVATED RADIAL SYSTEM (SEE ALSO SPRA	PETER PICKERING	G3ORP	149	29

Antennas

NURSING HOME ANTENNA	DICK ARNOLD	AF8X	149	30
160M STEALTH VERTICAL ANTENNA	PETER PICKERING	G3ORP	150	29
TOP BAND LOFT ANTENNA	COLIN TURNER	G3VTT	151	28
66 FT TOP OCFD FOR 40 - 6 METRES	CHRIS BAKER	G4LDS	152	28
TFTD ANTENNA PROJECT	COLIN TURNER	G3VTT	153	30
A USEFUL DELTA LOOP ANTENNA	ALLEN	G0AGC	154	28
AN EXPERIMENTAL LOOP ANTENNA FOR 7, 10 & 14 MHZ	DUNCAN TELFER	G8ATH	155	4
THE BIG WINDOM	CHRIS BAKER	MM0RKT	155	29
THE PARASET FIELD ANTENNA	GEOFF WOOSTER	G3YVF	155	30
THE WU0L 2 WIRE 3 BAND GROUND PLANE	MARK MEYER	WU0L	155	30
SMALL SIZE ANTENNA SYSTEM FOR HF	Norbert LITZ	HB9BWY	156	30
A SHORT DIPOLE FOR 80M	CHRIS BAKER	G4LDS	156	31
ATU WITH REUSE OF OLD VALVE PA HOUSING	JESPER FOGH BANG	OZ1XB	157	17
G6RV DIPOLE	PETER PICKERING	G3ORP	157	30
AN END FED HF ANTENNA	FABIO BONUCCI	IK0IXI	158	30
THE G6RV LF/HF ANTENNA CHANGEOVER SYSTEM	PETER PICKERING	G3ORP	158	32
LOOP ANTENNA NOTES	LAURIE BOOTH	G4XEC	158	32
THE BLACKCURRENT VERTICAL	DAVID	G8ULM	159	28
PIXIA (PORTABLE IXI ANTENNA)	FABIO BONUCCI	IK0IXI	160	30
MAST ANTENNA FOR BOAT	JOHN BEECH	G8SEQ	161	28
UPSIDE DOWN MAGNETIC LOOP	KEN MARSHALL	G4IIB	164	25
SOTA POLE TOP BOX	ANTHONY LANGTON	GM4HTU	165	19
REMOTE TUNING FOR A MAGNETIC LOOP AERIAL (AVV)	MIKE BOWTHORPE	G0CVZ	165	29
OLANDESINA 80-10M ANTENNA BY IK0IXI (AVV)	FABIO BONUCCI	IK0IXI	165	30
OLANDESINA BALUN (AVV)	FABIO BONUCCI	IK0IXI	166	27
MAGNETIC LOOPS G4KWH (AVV)	CHRIS MEADOWS	GM4KWH	167	24
UP THE POLE ANTENNA (AVV)	PHIL THORTON	G6NGR	167	24
AN ADJUSTABLE LOADING COIL FOR SHORT LOADED DIPOLE A	KEN MAXTED	GM4JMU	168	4
4 BAND HF DIPOLE (AVV)	FABIO BONUCCI	IK0IKI	168	31
30/60M TRAP DIPOLE (AVV)	FABIO BONUCCI	IK0IKI	169	31
A DOUBLET EXPERIENCE	IAN LISTON-SMITH	G4JQT	171	12
NO COST TRAPS	RICHARD WITNEY	G4ICP	171	18
ADJUSTABLE LOADING COIL FOR SHORT LOADED DIPOLE ANTE	KEN MAXTED	GM4JMU	172	8
TRAP DIPOLE ANTENNA FOR 5262 KHZ AND BEYOND	JOHN ALDER	G4GMZ	172	14
SHORTENED DIPOLE FOR 5.262 MHZ (AV&V)	COLIN TURNER	G3VTT	172	33

Accessories

Title	Author	Callsign	Sprat	Page
LOW POWER SWR INDICATOR	GEORGE DOBBS	G3RJV	1	7
PRODUCT DETECTOR FOR QRP USE [#]	EDGAR JANES	G2FWA	1	3
VFO NETTING CIRCUIT	GORDON BENNET	G3DNF	1	6
CMOS FILTER	GERRY FARRANCE	G3KPT	5	13
POWER PACK FOR QRP WORK	GEORGE BURT	GM3OXX	6	5
ACTIVE FILTER	GEORGE BURT	GM3OXX	10	3
CHEAP CW FILTER	DES VANCE	GI3XZM	10	17
QRP POWER PACK	DUG WOODFORD	G8IB	11	5
PIN DIODE ATTENUATOR	IAN KEYSER	G3ROO	12	13
PORTATEST FOR /P WORK	GUS TAYLOR	G8PG	12	13
SIMPLE SPEECH PROCESSOR	M.SALMON	G2CKM	12	6
SIMPLE TRANSISTOR TESTER	L.IVIN	G5IC	14	3
MORE AUDIO FILTERS	DES VANCE	GI3XZM	15	5
MAX BOX - SURPLUS CRYSTAL CHECKER	MAC McNEIL	G3FCK	17	13
CRYSTAL CALIBRATOR	DAVE POWELL	G3ZXK	20	13
7 MHZ CRYSTAL BENDER	MIKE PRIOR	G3XMI	21	13
ODD FREQUANCY XTAL CALIBTATOR	COP MACDONALD	VE1BFL	21	7
ACTIVE AUDIO FILTER	HAROLD SMITH	G3IVF	23	15
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20m DX SKED KEEPER	DAVE SMITH	G4JIM	26	7
CRYSTAL AND FREQUENCY CHECKER	CHRIS WARWICK	G8DSO	29	10
HIGH PERFORMANCE CW FILTER	ED WETHERHOLD	W3NQN	32	3
HIGH IMPEDENCE DC VOLTMETER	BRIAN BOOTH	G3SYC	39	3
CW CRYSTAL FILTER	ADRIAN KING		45	3
PEAK READING RF PROBE	REG LYDDON	G4ETJ	46	7
HELPING HAND	WALTER FARRAR	G3ESP	48	22
ROCK'S TEST BOX [#]	C.ROCKEY	W9SCH	48	11
SIMPLE SQUEEZE KEYER	MATT VOLKERT	DF4SQ	48	8
HOOK ON SNIFFER	RONNIE MARSHALL	GM4JJG	51	5
A LINEAR SCALE CAPACITANCE METER	DOUG GIBSON	G4RGN	52	12
ANTENNA RF CURRENT TRANSFORMER	KEN MAXTED	GM4JMU	52	10
HF BANDS CONVERTER FILTER	IAN BRAITHWAITE	G4COL	52	7
PIN DIODE ATTENUATOR	BILL WRIGHT	G0FAH	52	8
SUPER PORTABLE KEYER PADDLE	BRUCE PRIOR	VE7CKF	52	13
TOP BAND CONVERTER	C.A. ROCKEY	W9SCH	52	23
UNIVERSAL SIDETONE MODIFICATION	WALT LEGAN	KA4KXX	52	15
REGENERATIVE AUDIO FILTER	DEREK MONDAY	G3HKD	53	9
THE ONER V.F.O.	IAN KEYSER	G3ROO	53	4
THE VFG SIDEKICK KEYER		G4VFG	53	10
A TEETER-TOOTER LO FOR DC TRANSCEIVERS	DOUG DEMAW	W1FB	54	19
AUTOMATIC T/R SWITCH	MIKE KING	G3MY	54	15
BFO OSCILLATOR USING A MECH/CERAM FILTER	JOHN BEECH	G8SEQ	54	26

Accessories

ONE STACK C.W. FILTER	ED WETHERHOLD	W3NQN	54	20
100 KHZ CALIBRATOR	BRIAN GIBBS	G3MBN	55	13
AF & CLIPPER FOR THE 10 TEC ARGOSY II	BILL WRIGHT	GØFAH	55	14
SIMPLE SIDETONE	PAUL HARRISON	G4VAM	55	12
STANDARD CAPACITOR 7 ELEMENT L,P,FILTERS	ED WETHERHOLD	W3NQN	55	13
75 OHM ATTENUATOR FOR 50 OHM	GERALD STANCEY	G3MCK	56	8
A VERSATILE VXO	FRANK LEE	G3YCC	56	7
HOME BREW DOIDE MIXERS	ROBERT V D ZAL	PA3BHK	56	11
TOWARD A MORE LINEAR DIODE TUNING	GEORGE W. ALLEN	NIBEP	56	12
74HC4066, A NOVEL LOW COST MIXER		DJ1ZB	57	18
C.W. AUDIO FREQUENCY SHIFTER	Carter, Bob	G4VSO	57	14
CRYSTAL CALIBRATOR	C.D. HAWKINS	GØCEU	57	28
HI Z MIC ADAPTOR	MIKE MICHAELS	W3TS	57	18
A TTL LOGIC PROBE	KEN BUCK		58	6
C.W. FILTER	Brandt, Ha-Jo	DJ1ZB	58	7
G FILTERS	ROY LEWALLEN	W7EL	58	14
THE BEST AUDIO FREQUANCY 4 SW RECEPTION	GERD	DJ4SB	58	7
A POCKET BFO/CIO USING SMD			59	13
THE G5IC THRESHOLD GATE NOISE LIMITER	GUS TAYLOR	G8PG	59	14
THE ONE FOR ALL BATTERY	KEN CRAVEN	G4LKP	59	21
TWO TONE OSCILLATOR	IAN KEYSER	G3ROO	59	9
A 7TH ORDER LOW PASS FILTER	DAVID STOCKTON	GM4ZNX	62	14
UNIVERSAL PSU	MIKE KING	G3MY	62	9
A CHEAP VFO SOURCE FOLLOWER	RONNIE MARSHALL	GM4JJG	63	18
AUDIO PREAMP AND PASSIVE FILTER 4 NE602	STEF NIEWIADOMSKI		63	4
SIMPLE ONE-TOROID AF FILTER	JOHN T COLLINS	KN1H	63	11
THE DISCO DISPLAY	A.W. McNEIL	G3FCK	63	12
THE HUFF AND PUFF RE-VISITED	STEF MIEWIADOMSKI		63	20
AN OSC IND FOR REGENERATIVE RECEIVERS	RODNEY SEYMOUR	G1TNE	64	25
COIT AUDIO AMP	MIKE KING	G3MY	64	18
CRYSTAL CHECKER	MARTYN LINDARS		64	8
QSK IDEAS	BILL LEASK	G4CEO	64	16
SIMPLE ZENER TESTER	MARTYN LINDARS		64	19
WATCH IT-HUFF&PUFF REVISITED (PART 2)	BASTIAN EDELMAN	PA3FFZ	64	13
A LOW DRIFT, LOW DISTRIBUTION VFO	JOHN R HEY	G3TDZ	65	3
CW TRANSMITTER TESTER	STEF MIEWIADOMSKI		65	18
HUFF AND PUFF REVISITED (3)	BASTIAN EDELMAN	PA3FFZ	65	26
ROLLER COASTER TURNS INDICATOR	STEPHEN PUTMAN	N8ZR	65	11
A SIMPLE GDO COIL COUPLER	Marshall, Ronnie	GM4JJG	66	12
CW FILTER REVISITED	Edelman, Bastian	PA0FFZ	66	19
G4ERA AUDIO CW FILTER			66	26
NEAPOLITAN SMD VFO KIT	George DobbS	G3RJV	66	16
24 VOLT RELAYS ON 12 VOLTS	JOHN HALIBURTON	GM4AQO	68	24
G FILTERS A PRACTICAL LOOK	FRANK LEE	G3YCC	68	31

Accessories

THE FREQUENCY ADAM	KEN RUIZ	G4SGF	68	8
A WIDE RANGE 80MTR VFO	HA-JO BRANDT	DJ1ZB	70	16
SIMPLE CW FILTER	PETER BRODRIBB	G3ONL	70	11
SIMPLE LINEAR PA FOR 160-10M	LEN DIXON	G3XXQ	70	7
A FET VOLTMETER	KEN BUCK		71	20
IMPROVED RF SNIFFER	RONNIE MARSHALL	GM4JJG	71	16
S METER DRIVER	DEREK MONEY	G3HKD	71	10
A SIMPLE RF DETECTOR	ANDY STAFFORD	G4VPM	72	13
INDUCTANCE METER	DOUGLAS GIBSON	G4RGN	72	6
WIDE RANGE VXOs for 80 40 20m and 10	ANGEL GERASIMOV	LZ1SM	72	26
A SIMPLE FREQUENCY COUNTER FOR DC RCVRS	GRAHAM ADCOCK	G4EUK	73	10
JAW-TYPE CURRENT PROBE	Ha-Jo BRANDT	DL1ZB	73	17
5 WATT LINEAR AMPS FOR THE WHITE ROSE	JOHN R. HEY	G3TDZ	74	4
A CHEAP OSCILLATOR IDEA	DERRICK PRICE	G3LYU	74	16
A PCB PAD CUTTER	ROY DEANE	G4FQQ	74	21
A SIMPLE CHANGEOVER SYSTEM FOR NOVICE USE	DAVID GOSLING	GØNEZ	74	10
A SIMPLE SOLDERING AID	PETER BRODRIBB	GØONL	74	19
Q-METER OR SIMPLE COIL MEASURING CIRCUIT	JAN-MARTIN NOEDING	LA8AK	74	16
SUPERIOR 7mhz CONVERTER FOR THE WHITE ROSE			74	3
THE PUFFER	WALTER FARRAR	G3ESP	74	12
A SIMPLE SPEECH PRE-AMP AND CLIPPER	ROD CRADDOCK	GW4SLK	75	25
A STABLE RELAY SWITCHED VFO	FRANK LEE	G3YCC	75	16
COIL WINDING AID	ROY SMITH	GØIWU	75	25
REDUCING ICOM RIGS TO QRP POWER	FRED BONAVIDA	W5QJM	75	24
SIMPLEST DIAL AND DRIVE	LEN	G3XXQ	75	19
SOLAR PANEL AND BATTERY MONITOR	JOHN PEARS	GØFSP	75	17
WHITE ROSE DIGITAL DISPLAY	JOHN R HEY	G3TDZ	75	3
A 10.7MHz SSB GENERATOR	DEREK PEARSON	G3ZOM	76	24
A DSB GENERATOR USING THE NE602	GRAHAM ADCOCK	G4EUK	76	9
DUAL BAND XL MIXER FOR THE CHERITON TRANSCEIVER	GRAHAM ADCOCK	G4EUK	76	4
FREQUENCY COUNTER USING THE 7224 CHIP	JOHNNY APELL	SM7UCZ	76	12
THE TOKY VFO	KEN BUCK		76	15
UB40 JIG - POORMAN'S SOLDERING AID	PETER McBEATH		76	20
40m FIXED CAPACITOR XO SWITCHING	MAC McNEIL	G3FCK	77	16
7 BAND MIXER VFO	IAN BROWN	G3TLH	77	3
QUICK DUMMY LOAD	ALBERT HEYES	G3ZHE	77	25
SIMPLE AUDIO COMPRESSOR	RICHARD STOYLE		77	17
SIMPLE HEADPHONE ADAPTOR FOR USE OF 'HI FI' PHONES	DAVID GOSLING	GØNEZ	77	34
THE TOM PSU	KEN RUIZ	G4SGF	77	7
UNIVERSAL SEMI-QSK & SIDETONE BOARD	JOHN EVERINGHAM	G4TRN	77	19
VERSATILE AMPLIFIER	FRANK LEE	G3YCC	77	17
VLFB SEQUENCE CW GENERATOR	JOSÉ DE TORO	F1NTT	77	15
A 50 MHZ EXCITER	PETER BRODRIBB	G3ONL	78	7
A NO COST AUTOMATIC ATTENUATOR FOR TS120V	DAVE EVANS	G4YND	78	10

Accessories

A SIMPLE CRYSTAL TESTER (100KHZ - 20MHZ)	JOHNNY APELL	SM7UCZ	78	9
ALTERNATIVE CORES FOR THE STOCKTON WATTMETER	MIKE CZUHAJEWSKI	WA8MCQ	78	10
ANALOGUE SOLID STATE SPEECH RECORDER	PAUL LOVELL	G3YMP	78	3
AUDIO PREAMP AND AUTOMATIC LEVEL CONTROL	DICK PATTINSON	VE7GC	78	15
CERAMIC RESONATOR VARIABLE OSCILLATOR	REV SUTER	VK6SA	78	16
SIMPLIFIED TEETER-TOOTER VXO FOR RIT	MIKE CZUHAJEWSKI	WA8MCQ	78	11
A SIMPLE AUDIO "S METER"	MARCO ELEUTERI	IKØVSV	79	22
ANTI HISS IDEAS FOR LM386 AUDIO AMPLIFIERS	DAVE REDFERN	N4ELM	79	23
CONTROLLED CHARGE SYSTEM FOR NICAD CELLS	RUDI WOLF	DL2RM	79	22
A SIMPLE HELIPOT SUBSTITUTE	JOHN YOUNG	G7BCJ	80	19
INTERNAL EXTERNAL PTT SOCKET	JOHN BEECH	G8SEQ/VK2XY	80	37
TRANSMIT RECEIVE CHANGEOVER SWITCH	JOHN BEECH	G8SEQ/VK2XYD	80	37
KK7B SPRAT TECH CARTOON #1 LO PHASE SHIFT NETWORK	RICK CAMPBELL	KK7B	81	20
THE B.L.T. LINEAR AMPLIFIER	BYRON C WEAVER	WU2J	81	18
W3NQN SEVEN ELEMENT LOWPASS FILTER			81	35
A 5 WATT AMPLIFIER FOR THE EPIPHYTE	DERRY SPITTLE	VE7QK	82	18
A VFO FOR THE EPIPHYTE	DOUG HENDRICKS	K16DS	82	21
QRP QSK CIRCUIT	JOHN BEECH	G8SEQ	82	37
A DIGITAL DISPLAY FOR THE EPIPHYTE	DERRY SPITTLE	VE7QK	83	22
A LOW BUDGET HIGH PERFORMANCE CW AUDIO FILTER	ROELOF BAKKER	PAØRDT	83	20
A POWER ATTENUATOR FOR HF USE	DAVE PENNY	G3PEN	83	11
LAKE AF2 AUDIO FILTER	FRANK GREENOUGH	G4EHY	83	18
SIMPLE MODS FOR THE KANGA FREQUENCY COUNTER	FRANK GREENOUGH	G4EHY	83	18
TOROIDS FOR THE GM4JJG RF SNIFFER	C W HARLOW		83	18
A NICAD CHARGER FROM THE CAR BATTERY	NORMAN BONNETT	DL6NEE	84	15
AN RIT CIRCUIT	TONY LANGTON	GM4HTU	84	3
BITE FOR THE QRP SPIRIT	GUIDO GIANNI	HB9BQB	84	16
BNC TO PL259 ADAPTER	ROBERT VAN ZAAL	PA3BHK	84	14
CLASS A BROADBAND AMPLIFIER	MARCO ELEUTERI	IKØVSV	84	26
FLEXIBLE IMPEDENCE MATCHING FOR W3NQN AUDIO FILTERS	DAVE PENNY	G3PEN	84	25
HIGH EFFICIENCY REVERSE POLARITY PROTECTOR	LAURENCE FLETCHER	G4SXH	84	9
DIRECT CONVERSION SIDETONE	DEREK MONEY	G3HKD	85	17
ELECTRET MICROPHONE AND VOGAD UNIT	WALTER FARRAR	G3ESP	85	16
HARMONIC OSCILLATORS WITHOUT INDUCTORS	ANGEL GERASIMOV	LZ1SM	85	10
HF PRESELECTOR	STEVE ORTMAYER	G4RAW	85	36
RF DECIBEL METER	PHIL STEVENS	G3SES	85	3
FLOAT CHARGED BATTERY AS A POWER SUPPLY	MICHAEL COVINGTON	N4TMI	86	22
NOVEL CRYSTAL GRINDING MONITOR	JIM	NØOCT	86	16
TWO SIMPLE HF CRYSTAL OSCILLATORS	MARCO ELEUTERI	IKØVSV	86	17
TETRODE/PENTODE RESONANCE MONITOR	DUNCAN CADD	GØUTY	87	15
A SPECTRUM WAVEMETER [#]	TONY FISHPOOL	G4WIF	87	17
A 130 MHz FREQUENCY COUNTER	MICK HODGES	G4OPE	87	4
MINI CRYSTAL CHECKER / XCO	A.W. MCNEILL	G3FCK	89	3
QUICK POWER SUPPLY			89	34

Accessories

73 KHZ OSCILLATOR	STEVE ORTMAYER	G4RAW	90	35
AN ACTIVE LOOP ANTENNA FOR 73KHZ	BERT KRUYSWIJK	PA3FSC	90	3
AN IMPROVED LF BALANCED MIXER	JOHN HEY	G3TDZ	90	22
HOW TO LOSE YOUR MEMORY	REG MOORES	G3GZT	90	25
LEMON JUICE SIDETONE	LES JACKSON	G4GLJ/G4HZJ	90	12
DESTROY SUBHARMONIC RESONANCES IN TRANSISTOR PA	Ha-Jo BRANDT	DJ1ZB	91	6
PARRALLEL SMALL-SIGNAL BJTs FOR MORE POWER	DOUG DEMAW	W1FB	91	25
RF SNIFFER	STEVE ORTMAYER	G4RAW	91	34
A HIGH STABILITY OSCILLATOR UNIT	RAY LOVELAND	G2ARU	92	19
AN ADD-ON AUDIO TAILORING CIRCUIT	KIMON NICOLAIDES	G4WQX	92	27
DISCONTINUOUS DIRECTIONAL RING RADIATOR ANTENNAS	COLEN HARLOW	G8BTK	92	36
MORSE OSCILLATOR	STEVE ORTMAYER	G4RAW	92	35
BEAT FREQUENCY OSCILLATOR IN SARDINE CAN	STEVE ORTMAYER	G4RAW	94	34
THE PEG-LEG GRIPPER	KEN CRAVEN	G4LKP	94	13
A SIMPLE TUNE-UP AID	JACK HOLSTEAD	G3OZC	95	24
A STEREO AUDIO FILTER	H.C. SPENCER	G6NA	95	13
THE GADGET [3.5 - 18MHZ] DSB/CW MODULE	JOHN SEAGAR	G0UCP	95	11
WIDE RANGE CRYSTAL CONTROL ON 80M	WALTER FARRAR	G3ESP	95	9
MORE STEREO CW FILTER IDEAS	H.C. SPENCER	G6NA	96	15
STEREO EFFECT FILTER	MIKE HAUGRUND	DF2OK	96	15
SUPER WIDE RANGE VXO	FRANCO AMBRI	I4AFQ	96	11
34.575 HZ CRYSTAL FILTER FOR SSB	JAN VERDUYN	G0BBL	97	7
DDS3 - 40MHZ DIRECT DIGITAL SYNTHESISER	MICK HODGES	G4OPE	97	21
A SIMPLE EASY BUILD BROADBAND AMPLIFIER	MARCO ELEUTERI	IK0VSV	98	3
THE DL-QRP-PA [9W ON A 1 INCH BOARD]	PETER ZENKER	DL2FI	98	12
A 1KHZ PASSIVE AUDIO FILTER	HA-JO BRANDT	DJ1ZB	99	35
A VXO FOR 136KHZ	IAN BROWN	G3TLH	99	8
A SIMPLE RF SOURCE	JIM BRETT	G0TFP	100	14
WEEKEND PROJECTS FOR QRPERS	GEORGE DOBBS	G3RJV	100	4
CHANGE OVER CIRCUIT	STEVE ORTMAYER	G4RAW	101	35
AN INDUCTANCE METER	GORDEN POPE	G3ASV	102	12
THE ONE CORK PIN-OUT CHECKER	DR. KEN CRAVEN	G4LKP	102	13
THE CHEAPEST SIDETONE	ERIC VAN BREE	PA9EVB	102	15
MAKING SMALL BOXES FROM TINPLATE	RONNIE MARSHALL	GM4JJG	102	20
A MICROPHONE TIP	NEIL MACKINNON	G4WAZ	103	7
PEG GRIPPER & TESTER	KEN CRAVEN	G4LPK	103	14
NO COST FIELD STRENGTH METER	JOHN GARDNER	GW4KVI	103	26
MISERS ANTENNA ANALYSER	GERALD STANCEY	G3MCK	103	8
A 0 - 15 dB ATTENUATOR	MALCOLM EALES	M0AJL	104	12
A MODERN THERMOCOUPLE AMMETER	DAVID A.REID	PA3HBB/G0BZF	104	25
NICAD CHARGER	STEVE ORTMAYER	G4RAW	104	35
EASYDIP	HARRY FROGATT	G3SOX	105	11
THE TUNING WAND	BILL COOPER	G4CIA	106	14
MORSE OSCILLATOR	STEVE ORTMAYER	G4RAW	107	33

Accessories

LED RF TEST PROBE	GEORGE BURT	GM30XX	108	9
AN ISLAND PUNCH	WYNN HIRST	G3YXK	108	10
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TEN MINUTE TX FOUND HIDING IN A GERMAN MORSE KEY	PETER	DJØGD	88	32
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ROO 10 MHZ RECEIVER	IAN KEYSER	G3ROO	31	16
HF PRESELECTOR	HA-JO BRANDT	DJ1ZB	33	10
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LOW POWER SSB/CW HF RECEIVER	MIKE SMALL	G4DVI	37	6
SIMPLE 14 MHZ RECEIVER	IAN BRAITHWAITE	G4COL	37	4
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ROCKET RECEIVER	MIKE MOLINA	EA3FHC	47	14
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ON ONE RX	GEORGE DOBBS	G3RJV	54	16
THE ONER IMP RX	IAN KEYSER	G3ROO	54	16
A SIMPLE 29 MHZ DC RECEIVER	JOHN YOUNG	BRS33339	55	18
STABLE RF AMP FOR THE 10 TEC ARGOSY II	D.A. MICHAEL	W3TS	55	16
THE UNO	FINBAR O'CONNOR	EIØCF	56	5
THE UNO ON 40 METRES	FINBAR O'CONNOR	EIØCF	56	7
7 MHZ O.C. RX USING 74HC4066			57	19
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THE FO-RECEIVER	HA-JO BRANDT	DJ1ZB	62	6
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RECEIVER SLOW MOTION DRIVE	ROY SMITH	G0IWU	66	15
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FULL QSK WITH THE RAI7	BOB LEASK	G4CEO	68	24
HIGH PERFORMANCE DC RX	MATHIAS VOLKERT	DF4SQ	68	18
SSB/CW IF STRIP	DAVE LIMMER		68	11
AN 80 METRE PHASING RECEIVER	JOHN YOUNG	G7BCJ	69	19
DUAL BAND RECEIVER	STEVE HARLEY	G0FUW	69	10
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THE POTTENSTEIN RECEIVER	Ha-Jo BRANDT	DJ1ZB	70	9
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THE HERTZVERTER TOP BAND CONVERTER	LES JACKSON	G4HZJ	72	28
AN UGLY ATTENUATOR RELAY SWITCHED	ROY SMITH	GØIWU	73	20
CERAMIC RESONATORS IN RECEIVERS	IAN MACPHERSON	GM3RXU	73	8
A 14 MHz SUPERHET RECEIVER	FRANK LEE	G3YCC	74	14
A SIMPLE UNIVERSAL H F CONVERTER	HARRY POPOV	LZ1BB	74	18
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THE MINICOM SUPERHET RECEIVER	BASIL DALE	VK2AW	79	9
THE THREEFER	MIKE MICHAEL	W3TS	79	15
THE CONTESTER DC 40m	ROELOF BAKKER	PAØRDT	81	25
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THE HF9 TRF SHORT WAVE RECEIVER	KEITH RANGER	GØKJK	82	4
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NORCAL 40 MODS AND ADDITIONS	BERNHARD SZYMANIAK	DL7GK	86	18
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EPIPHYTE-2 UPDATE	DERRY SPITTLE	VE7QK	88	22
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A DESIGN FOR A HIGH PERFORMANCE RECEIVER	DAVID OLIVER	G4HMC	90	15
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A DIRECT CONVERSION RECEIVER FOR BEGINNERS	JOHNNY APELL	SM7UCZ	92	20
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A CMOS SWITCHED 80M SUPERHET	ARON SANDERSTROM	HE9VXB	99	14
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THE GQ2000 CW TRANSCEIVER - PART 1	SHELDON HANDS	GW8ELR	90	4
A SIMPLE SSB TRANSCEIVER FOR 18 MHZ	OLIVIER ERNST	F5LVG	91	13
THE FOXX 2 - AN OLD FAVOURITE	GEORGE DOBBS	G3RJV	91	4
THE GQ2000 CW TRANSCEIVER - PART 2	SHELDON HANDS	GW8ELR	91	20
THE REVIVAL [1947 - 1997] TRANSMITTER RECEIVER	PETER AKKER	DJ0GD	91	23
THE GQ2000 CW TRANSCEIVER - PART 3	SHELDON HANDS	GW8ELR	92	13
THE GQ2000 CW TRANSCEIVER - PART 4	SHELDON HANDS	GW8ELR	93	20
THE MAIDENHEAD PIXIE	PETER HOWARD	G4UMB	93	8
THE ELBC-40 : A KEYER CONTROLLED CW TRX	FRED HEUSY	DJ3KK	94	3
THE SUNSET TRANCEIVER MK2	STEVE SPENCER	G6NA	94	22
A SIMPLE 21MHZ VXO QRP TRANSCEIVER	CRAIG DOUGLAS	G0HDJ	95	14
THE ELBC-40 : RECEIVER MODULE	FRED HEUSY	DJ3KK	95	21
THE G3RJV SIX PACK	GEORGE DOBBS	G3RJV	96	4
THE SPARKFORD 80m CW TRANSCEIVER	TIM WALFORD	G3PCJ	96	21
PTO DRIVES IN TEN-TEC TRANSCEIVERS	BRIAN GIBBS	G3MBN	97	16
I7PKY PIXIE 2		I7PKY	98	35

Transceivers

OK2PZL 7/14 MHZ TRANSCEIVER	PETR POKORNY	OK2PZL	98	4
THE FOXX-3	DEREK ALEXANDER	G4GVM	98	14
THE GQ-PLUS - PART 1	SHELDON HANDS	GW8ELR	98	20
160M CROSS TOWN TRANSMITTER	ALBERT HEYES	G3ZHE	99	4
THE GQ-PLUS - PART 2	SHELDON HANDS	GW8ELR	99	21
"Naxos" A MINIATURE 20M CW TRANSCIEVER	ANDREAS SEEREINER	OE6EIF	104	4
NATTERBOX - A CRYSTAL CONTROLLED AM Tx.	DAVE SMITH	G4COE	104	18
THE HAMOEBA	DUNCAN WALTERS	G4DFV	105	4
The CRACKER - A BASIC CW TX/RX FOR 40M	RICHARD NEWSTEAD	G3CWI	106	3
DAT20, A 20M MINI TX/RX FOR SOUND CARD MODES	SHELDON HANDS	MW0ELR	106	21
AN EXPERIMENTAL TRANCEIVER "ET1"	GLEN YINGLING	W2UW	108	20
THE SUPER SIXTY 5MHz Tx and Rx CONVERTER	STEVE RAWLINGS	GW4ALG	114	3
USING THE ELECRAFT K2 ON 5MHZ - PART 1	DAVE SERGEANT	G3YMC	114	6
THE SMALL WONDER LABS PSK20	PETER HALPIN	PE1MHO/ M3ECN	114	14
USING THE ELECRAFT K2 ON 5MHZ - PART 2	DAVE SERGEANT	G3YMC	115	10
FOXX DUAL BAND SPECIAL	JIM GAUSON	MM0CAE	115	12
A NEW LIFE FOR THE TS-870S	ANDREA WEICK	HB9FBD	115	24
THE WINDRUSH 10.1 MHZ TRANSCEIVER	BOB WHETTON	G4XKL	120	14
THE BRENT CW TRANSIEVER	TIM WALFORD	G3PCJ	120	20
MUTING FOR THE NORCAL SST 20	ANDREAS SEEREINER	OE6EIF	121	25
THE WEE WILLY - 80M DSB TRANSCEIVER	DICK PATTISON	VE7GG	124	27
A SIMPLE 20M QRP TRANSCEIVER	ROBERT SEILER	HB9TSE	127	21
"ALL TUBES" 80m CW QRP	GREG KNOBEL	HB9FAE	129	26
BUILDING A REPLICIA PARASET	SIMON DABBS	G4GFN	129	28
EVOLUTION OF A SIMPLE SSB TRANSCEIVER	PETE JULIANO	W6JFR	130	14
THE SOFTROCK SDR QRP TRANSCEIVER	JAN VERDUYN	G0BBL	130	23
MAIDENHEAD PIXIE REVISITED	PETER HOWARD	G4UMB	131	6
AN ULTRA SIMPLE 80m CW TRANSCEIVER	ROGER LAPTHORN	G3XBM	137	3
THE FLEA, A 40m CW MINIMALIST TRANSCEIVER	JOAN MORROS	EA3FXF	137	6
A MINIMAL ART TRANSCEIVER	GEOFF WOOSTER	G3YVF	137	10
THE BELL RINGER	MICHAEL RAINEY	AA1TJ	137	17
THE GNAT 1 - ONE TRANSISTOR CW TX/RX FOR HF	CHRIS TRASK	N7ZWY	138	12
THE SIXBOX - AN ULTRA SIMPLE 6m QRP AM TX/RX	ROGER LAPTHORN	G3XBM	140	10
A RIG FOR THE MAS CONTEST	STEVEN WEBBER	KD1JV	140	16
AGC MOD FOR THE ELECRAFT KX1	RICH HESLIP	VE3MKC	141	9
THE CANDLELIGHT TRANSCEIVER	OLIVER BORKOWSKI	DF6MS	141	17
THE 2 X 3 TRANSCEIVER	KPS KANG	VU2KLA	143	4
MY LITTLE (PET ROCK) MATE TRANSCEIVER	STEVE HARTLEY	G0FUW	144	12
THE CLASSIE - A SIMPLE CLASS E TRANSCEIVER	RICH HESLIP	VE3MCK	144	14
THE EDEN SSB IF SYSTEM	RON TAYLOR	G4GXO	144	17
EXTRA SIMPLE DSB 80m TRANSCEIVER	ERIC SEARS	ZL2BMI	146	3
EXTRA SIMPLE DSB 80m TRANSCEIVER UPDATE	ERIC SEARS	ZL2BMI	147	6
MY VERSION OF THE FOXX TRANSCEIVER	PETER HOWARD	G4UMB	147	11
20M CW TRANSCEIVER	BARRY ZARUKI	M0DGQ	149	16

Transmitter

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DSB1 - DOUBLE SIDEBAND TRANSMITTER	E.ELSLEY	G3YUQ	4	3
PROLEGOMENA TO QRP TRANSMITTERS	C.ROCKEY	W9SCH	4	9
TRANSISTOR 1 160m TRANSMITTER	E.ELSLEY	G3YUQ	5	15
ROARIN MICK 80m TRANSMITTER	C.ROCKEY	W9SCH	6	15
DAILY TELEGRAF QRP CW TRANSMITTER	SEIGI HARI	DK9FN	8	8
SSB 80 TRANSMITTER	E.ELSLEY	G3YUQ	9	3
TTL TRANSMITTERS	JOHN McDONNELL	G3DOP	10	10
A WATT PLUS ON 160	C.CARINGELLA		11	10
6K8 QRP TRANSMITTER	DUG WOODFORD	G8IB	12	10
MODS TO THE G3ZVC TRANSMITTER	IAN KEYSER	G3ROO	12	8
JUBILEE 80 SSB/CW TRANSMITTER	ART SMYTH	GM3XNE	14	7
MALIN HEAD TTX	FINBAR O'CONNOR	EIOCF	16	6
ONE KNOB 80m TTX	HAROLD SMITH	G3IVF	17	7
80 -160m TRANSVERTER	IAN KEYSER	G3ROO	19	13
PROLEGOMENA TO QRP TRANSMITTERS	C.ROCKEY	W9SCH	22	3
LAGOS QRPETER	HA-JO BRANDT	DJ1ZB	23	3
MINI TENER DSB TRANSMITTER FOR 10m	ART SMYTH	GM3XNE	23	12
FULL BK TOP BAND TRANSMITTER	IAN KEYSER	G3ROO	25	6
MAC MODED SUPER OXO TRANSMITTER			25	20
CLASS A AMPLIFIER FOR THE TUNBRIDGE	IAN KEYSER	G3ROO	27	12
10m VXO TRANSMITTER	BENELUX QRP CLUB		28	9
160m MAIN STATION TRANSMITTER	ROY ROWNTREE	G3ZQA	28	3
BREN 160m DSB/CW TRANSMITTER	COLIN TURNER	G3VTT	28	7
OXO ALL BANDS TRANSMITTER	GEORGE BURT	GM3OXX	28	12
80m TRANSMITTER BASED ON THE JU6	PETER BRENT	G4LEG	29	15
SINGLE VALVE 80m QRP CW TRANSMITTER	BRIAN BOOTH	G3SYC	29	3
SANTISTA TRANSMITTER	PAULO MOSER	PY2TU	30	7
10 MHZ VXO TRANSMITTER	HA-JO BRANDT	DJ1ZB	31	9
BASIC VXO FOR 3.5 MHZ	AL SANTUCCI	IOSKK	32	11
18/24 MHZ VERSION OF THE LAGOS QRPETER	HA-JO BRANDT	DJ1ZB	33	8
40m TTL QRP TRANSMITTER	JOSEPH LAURICELLA	KL7JHM	33	15
WEE RIG	GEORGE BURT	GM3OXX	33	4
PHOENIX CW QRP TRANSMITTER		PAØFKP	34	14
REVERSE HYBRID 40m QRP TRANSMITTER	MAC McNEIL	G3FCK	35	15

Transmitter

STX TRANSMITTER	GEORGE BURT	GM3OXX	35	12
GRILO 3 BANDS TRANSMITTER	CARLOS	PY2FNE	38	8
VINTAGE VALVE TRANSMITTERS	ALAN LAKE	G4DVW	39	11
40m MINI TTX TRANSMITTER	LEONARDO BOSELLI	I5WOU	40	15
NOR'S 20m TRANSMITTER	NOR McINTISH	GM3RKO	40	18
2 BAMNDS CW QRP TRANSMITTER	DREW DIAMOND	VK3XU	41	10
PICCOLINO TRANSMITTER	HA-JO BRANDT	DJ1ZB	42	7
80m VMOS TRANSMITTER	PAUL HARRISON	G4VAM	43	18
ONE VALUE 3 BANDS QRP TRANSMITTER	H.ACOMB	GM4CCV	44	10
FAG BOX (0) TRANSMITTER	CHRIS PAGE	G4BUE	45	11
ONER TRANSMITTER	GEORGE BURT	GM3OXX	45	4
HOWES CTX80 KIT	COLIN TURNER	G3VTT	47	18
QRP 2 WATT TRANSMITTER	R.MACKRELL	G3AEP	48	17
SSB TRANSMITTER FOR 14 MHZ	FRANK LEE	G3YCC	48	3
160m TRANSMITTER	PAUL HARRISON	G4VAM	49	6
80m TRANSMITTER	GORDON POPE	G3ASV	49	16
THE DSB-1 ONE WATT 80MTR DSB TX		VE7QK	50	3
PANN, SMLL TRANSISTORS FOR QRP RF POWER	DOUG DEMAW	W1FB	51	11
PHOTO & FOIL PATTERN QRP80			51	15
QRP TTL TRANSMITTERS		DL1ZB	51	8
THE QRP 80 - A3.5 MHZ 2.5 WATTS CW TX			51	13
A VXO DESIGN FOR 10 AND 14 MHZ	KEN MAXTED	GM4JMU	52	16
PACKING THE UNIVERSAL TRANSMITTER	CYRIL MAY	G4PUU	52	14
10 MHZ, 1.5 WTT OUTPUT TRANSMITTER		ON4KAR	55	15
80m 1W TX 3.5 - 3.7 MHZ	CRAIG DOUGLASS	GØHDJ	55	12
CAR BOOT SALE SPECIAL	PAUL HARRISON	G4VAM	55	11
TTL TRANSMITTER FOR 80 METRES	DEREK SCHOFIELD	G4UOV	55	17
OXO BOTTLE BOOSTER	PAUL HARRISON	G4VAM	56	16
THE THREEFOR TRANSMITTER	PAUL MONEY	G4UVA	56	15
ALL BAND VXO TRANSMITTER	JOHN T COLLINS	KN1H	58	9
BROADBAND AMPLIFIER	W.J.RICKETT	G8LOO	59	21
OXO TX	GEORGE BURT	GM3OXX	59	7
40 METRE TRANSMITTER	PAUL HARRISON	G4VAM	60	19
PIPPIN QRP TX	MIKE KING	G3MY	60	14
USEFUL HINT FOPR VMOS. PA STAGES	MIKE KING	G3MY	60	19
VANDALS VALVE TX		GM4BQA	61	16

Transmitter

40m SSB GENERATOR	TONY EDWARDS	G3HNP	62	4
THE G4RAW TAG TRANSMITTER		G4RAW	62	13
28 MHZ QRP TRANSMITTER	DAMIR SIMUNIC	YU2RK	63	7
40m VARICAP DIODE VFO	BILL BINGHAM	G4WUS	63	14
10 MHZ TAG TRANSMITTER	STEVE ORTMAYER	G4RAW	64	19
FO TRANSMITTERS	HA-JO BRANDT	DJ1ZB	64	7
SIMPLE 40m ONER TRANSCEIVER	OLEG BORODIN	RV3GM	64	12
TOP BAND CW TRANSMITTER	TONY EDWARDS	G3HNP	64	15
HUFF AND PUFF AUTO START	STEF MIEWIADOMSKI		66	18
KITTEN TWO SSB AND CW FILTER	IAN KEYSER	G3ROO	66	20
PEBBLE CRUSHER 2	DOUG DEMAUW	W1FB	66	10
THE WHITE ROSE TRANSMITTER	JOHN R HEY	G3TDZ	66	3
COMPUTER BOARD 80m TRANSMITTER	STEVE ORTEMAYER	G4RAW	67	3
QRP LINEAR	BILL MOONEY	G3VZU	67	12
VALVE DC RECEIVER FOR 3.5 MHZ BAND	B.A. BUTCHER	GØILL	67	9
CONSTANT LEVEL RF AMPLIFIER	MIKE HADLEY	G4TTX	68	5
FURTHER NOTES ON VFO STABILITY	DAVE BENSON	NNIG	68	6
THE FINGER TX. A FUN RIG	GEORGE BURT	GM3OXX	69	3
THE LZ1SM VXO TRANSMITTER	ANGEL	LZ1SM	70	8
THE K4TWJ QRP PEN TRANSMITTER	DAVE INGRAM	K4TWJ	71	14
THE NAT TRANSMITTER	GEORGE BURT	GM3OXX	71	11
THE NAT TX SPRAT 71 CIRCUIT ERROR			72	16
THE PHOENIX TRANSMITTER	D.A. MICHAEL	W3TS	72	4
CHATTERBOX 160m A M TRANSMITTER MODIFICATIONS	LES JACKSON	G4HZJ	74	19
HANDS TX1 TRANSMITTER	SHELDON HANDS		75	20
W6EMT 30M VXO TRANSMITTER	ROY GREGSON	W6EMT	78	4
THE SUNNY 40m TRANSMITTER	COOK	G4XHE	79	20
ST31 14 MHZ 10w CW TRANSMITTER	ANDRE MASSLEYE	F5JDG	80	14
A 30m QRP CW TRANSMITTER	A W McNEILL	G3FCK	82	27
A MONGREL MODIFIED FOR PI-NETWORK OUTPUT	A W McNEILL	G3FCK	82	7
TEN MINUTE TRANSMITTER	STEVE ORTMAYER	G4RAW	82	36
THE GREMLIN 20m CW TRANSMITTER	DOUG GIBSON	G4RGN	82	3
THE KLAT 40m TRANSMITTER	KERAL L	VU2KLA	82	17
THE MONGREL QRP CW TRANSMITTER	KEITH RANGER	GØKJK	82	6
G3BMO ONE VALVE TRANSMITTER	BERT SPEED	G3BMO	83	25
THE POPPET QRP AM TOP BAND TRANSMITTER	DOUG GIBSON	G4RGN	84	4

Transmitter

THE FROTH 10 MHZ 1 WATT TRANSMITTER	OWEN DAVIES	G4VPF	86	21
SIMPLE COMMON PARTS 80m TRANSMITTER	T.K. MANI	VU2ITI	87	24
THE NORWICH TRANSMITTER	BRUCE EDWARDS	G3WCE	88	16
THE NORWICH TRANSMITTER UPDATES	BRUCE EDWARDS	G3WCE	89	14
THE SEASIDER 2 METRE CW TRANSMITTER	BILL COOPER	G4CIA	92	17
A VALVE TRANSMITTER FOR 80 AND 40 METRES	TONY TUIITE	GW0NSR	94	24
TINY TOP 160M TX	STEVE ORTMAYER	G4RAW	96	34
18MHZ WIDE RANGE CRYSTAL TRANSMITTER	A.W. McNEILL	G3FCK	97	20
THE JBS TRANSMITTER	GEORGE BURT	GM3OXX	97	3
70 MHZ BEACON TX.	JOHN BEECH	G8SEQ	102	34
THE HB9BWY TRANSMITTER	NORBURT LITZ	HB9BWY	103	24
MIGHTY MITE		W3FQJ/KY8I	105	35
THE DL93 TRANSMITTER	JOHNNY APELL	SM7UCZ	106	12
THE MARATHON 136 kHz QRP TRANSMITTER	STEVE RAWLINGS	GW4ALG	108	12
VK7LF's 160m QRP TRANSMITTER	TOM VAN ANDEL	VK7LF	108	26
A WATT ON 10 METRES - A SIMPLE RIG	REV KEITH RANGER	G0KJK	111	7
A SIMPLE CW TRANSMITTER	MILAN CATARI	9A9RA	112	8
THE FRESCO TRANSMITTER	KPS KANG	VU2OWF	112	12
THE PP2 TRANSMITTER	GEORGE BURT	GM3OXX	112	18
OUR VERY OWN QRP BEACON	VICTOR BRAND	G3JNB	112	25
A SIMPLE MODULAR DSB TX	JACK PONTON	GM0RWU	113	10
12BH7A PULL-PULL TRANSMITTER FOR 30/40m	HEHIKO KOMACHI	JA9MAT	114	12
THE MARV-1 TRANSMITTER	GEORGE BURT	GM3OXX	115	5
QRP LINEAR AMPLIFIER USING CHEAP TRANSISTORS	HEHIKO KOMACHI	JA9MAT	115	19
THE G3SYC BATTERY VALVE TRANSMITTER	BRIAN BOOTH	G3SYC	116	7
17 METRES QRP CW TRANSMITTER	LEON HELLER	G1HSM	116	18
THE SIX SOCKETS GEM	ARNIE CORO	CO2KK	117	14
A 3.5MHZ QRP TRANSMITTER WITH LINEAR AMPLIFIER	JOHNNY ASPELL	SM7UCZ	118	10
COMPLIMENTARY PAIR PUSH-PULL RF POWER AMPLIFIER	STEF NIEWIADOMSKI		118	12
DIRECT CONVERSION WITH LED PRODUCT DETECTOR	RUDI BURSE	DK2RS	118	15
VIKING-500 POCKET (CW) TRANSMITTER FOR 10MHZ	REYNOLD-A. KUNG	HB9CKR	118	22
THE MARSH TRANSMITTER	GEOFF WOOSTER	G3YVF	119	6
THE LAMBDAETTE - TRANSFORMERLESS AM QRP 160M TRANSMITTER	IAN LISTON-SMITH	G4JQT	119	19
SUPER SIMPLE SSB	JOHN KIRK	VK2PV, VE6XT	120	20
80/40 METRE 6V 5 WATT CW TRANSMITTER	CHAS FLETCHER	G3DXZ	122	10
15 - 20 WATT LINEAR AMPLIFIER REVIVAL	DAVID SMITH	G4COE	123	5

Transmitter

THE SP-1 A SIMPLE XTAL TTX	GEORGE BURT	GM3OXX	129	10
THE LEMON TRANSMITTER	JOHNNY APELL	SM7UCZ	130	3
THE TWO-FER - A SIMPLE TRANSMITTER FOR 6 BANDS	DOUG HENDRICKS	KI6DS	130	4
A 600 METRE SOLID STATE TRANSMITTER	IAN KEYSER	G3ROO	131	17
ACORN VALVE TRANSMITTER ON 40m	WALT BULLERWELL	KF4YJQ	131	20
AN ACORN VALVE TRANSMITTER	JOHNNY APELL	SM7UCZ	131	21
THE SMALL TALK 160M TRANSMITTER	PETER HOWARD	G4UMB	133	26
THE TIMBER TRANSMITTER	JOHNNY APELL	SM7UCZ	133	3
40m QRSS BEACON WITH HOMEBREW BATTERIES	HANS SUMMERS	G0UPL	134	3
ALL VALVE 40M SIDEBAND TRANSMITTER	DR. ANDREW SMITH	G4OEP	134	6
A WIDE RANGE 3.5MHZ VXO	MIKE RATHBONE	G3ZII	134	16
THE HBN 50MW TRANSMITTER	JIMMY BOLTON	G3HBN	134	21
160m LINEAR AMPLIFIER FOR THE SMALL TALK (#133)	PETER HOWARD	G4UMB	135	9
A SIMPLE TELEPHONY TRANSMITTER TESTER	STEVE HARTLEY	G0FUW	136	18
DAS DERELICHT - CW TX FROM A LIGHT BULB	MICHAEL RAINEY	AA1TJ	138	3
SIMPLE CW TRANSMITTER	TONY BOWMAKER	G0EBP	141	6
A SIMPLE YET EFFECIVE LINEAR AMPLIFIER	ROBERT SEILER	HB9TSE	145	8
SPUTNIK CLONE 1	MICHAEL J RAINEY	AA1TJ	148	30
MICHIGAN MIGHTY MITE TRANSMITTER	JOHNNY APELL	SM7UCZ	150	9
OVER THE HORIZON ON 481 THZ	ROGER LAPTHORN	G3XBM	150	10
THE TINY BEACON	RICH HESLIP	VE3MKC	151	18
40M CW TRANSMITTER	BARRY ZARUKI	M0DGQ	151	21
THE TAG TRANSMITTER	STEVE ORTMAYER	G4RAW	151	26
LATATUN - SPANNISH TUNA TIN TRANSMITTER	LLUIS TERRES	EA3WX	152	10
THE G4GDR 6CH6 JUNK BOX SPECIAL	COLIN TURNER	G3VTT	153	3
40M WSPR TRANSMITTER	CHRIS OSBORN	G3XIZ	153	6
A 6V6 CO/PA TRANSMITTER	DEREK THOM	G3NKS	154	9
VALVE DAY TRANSMITTER	PETER HOWARD	G4UMB	154	17
SUDDEN PSK?	STEVE HARTLEY	G0FUW	156	5
A 40M TRANSMITTER	FABIO BONUCCI	IK0IXI	159	16
MODULAR TRANSMITTER	PETER HOWARD	G4UMB	163	24
PEANUT WHISTLE VALVE TRANSMITTER	COLIN TURNER	G3VTT	163	25
SIMPLE 4 WATT ADD-ON PA FOR 7MHZ MICRO TRANSMITTERS	MICHAEL BLISS	G4AQS	164	14
KR80 SHORT AERIAL 20 METRE BAND QRP TRANSMITTER	KEITH RANGER	G0KJK	164	30
FOLLOW UP ON SIMPLE ADD-ON 4W 7MHZ PA	MICHAEL BLISS	G4AQS	165	16
KR80 TRANSMITTER - ERRATA AND ADDENDA	KEITH RANGER	G0KJK	165	18

TenTec

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160m TRANSVERTER FOR THE ARGONAUT	COLIN TURNER	G3VTT	26	9
VOLTAGE REGULATOR FOR THE ARGONAUT	BRICE ANDERSON	W9PNE	28	17
ARGONAUT TRANSVERTER SWITCHING	GEORGE DOBBS	G3RJV	32	10
CONVERTING THE ARGONAUT TO 160m	S.MATTSON	SM6AOQ	34	6
ADDING 10 MHZ TO THE ARGONAUT	GEORGE SCHOLTER	LX1BK	36	11
FITTING AN ATTENUATOR TO THE ARGONAUT	MARK GOODFELLOW	G4KUQ	37	9
QRO WITH THE ARGONAUT	JACK McDERMOTT	GI4NMZ	59	24
ARGONAUT MODIFICATIONS	B.C. WEAVER	WU2J	72	14
ARGONAUT 509 RIT IMPROVEMENT	ELMER VOLLER	DL2QA	74	20
TEN-TEC MAD VFO DISEASE - ANOTHER CAUSE	JOHN LIVINGSTON	G4FDD	98	18
TEN-TEC MAD VFO DISEASE - MORE NOTES	TED TROWELL	G2HKU	98	18
ATTENUATOR FOR THE ARGOSY	TOM SORBIE	GM3MXN	40	11
ARGOSY BREAK-IN MODIFICATIONS	BILL WRIGHT	G0FAH	53	21
MORE ARGOSY II MODIFICATIONS	NEIL MACKINNON	G4WAZ	64	27
A QRP FREQUENCY COUNTER	OLIVIER ERNST	F5LVG	107	12

VHF & Higher

Title	Author	Callsign	Sprat	Page
2 METRE 3W AM TRANSMITTER	JOHN DODD	G8EPE	5	5
2 ELEMENT 2 METRE BEAM	STAN PERCIVAL	G3BGR	12	10
2 METRE FM TRANSMITTER	HA-JO BRANDT	DJ1ZB	24	3
144-14 MHZ CONVERTER - PART I	DAVID JOHNSON	G4DHF	26	12
144-14 MHZ CONVERTER - PART II	DAVID JOHNSON	G4DHF	27	5
3 ELEMENT HB9CV BEAM	A.MORGAN	G8PON	29	22
5 ELEMENT QUAD FOR 2 METRES	JOHN STEVENSON	G8ZRY	32	8
2 METRE POCKET ZEPP ANTENNA	HERBERT HANRIDER	DL7MAM	33	4
50 MHZ FM TRX	MIKE SHEFFIELD	ZL1ABS	36	20
MINATURE 2m FM TRANSMITTER	MIKE TOOLEY	G8CKT	36	16
2 METRE PORTABLE ANTENNA	JOHN BEECH	G8SEQ	37	18
2 METRE WAVEMETER	GEOFF GARDNER	G6MCZ	37	17
2 METRE J ANTENNA	D.JENNINGS	G3ZAI	41	17
SIMPLE 2 METRE CW/FM TRANSMITTER	JOHN BEECH	G8SEQ	42	22
2 METRE DC RECEIVER	JOHN BEECH	G8SEQ	43	24
2 METRE FET PRE - AMP	JOHN BEECH	G8SEQ	44	24
2 METRE PRE - AMP	JOHN BEECH	G8SEQ	45	24
USING A LINER 2 ON CW	ERIC CALVERT	G4EIC	45	17
50 MHZ RX CONVERTER	JOHN BEECH	G8SEQ	46	20
DUMMY LOAD AND POWER INDICATOR	JOHN BEECH	G8SEQ	47	23
2 METRE ATU	DAVID AKRILL	GØDJA	49	23
WHITE ROSE 50 MHZ (6m) CONVERTER PROJECT	JOHN R HEY	G3TDZ	53	25
XOGGY A 14 MHZ TTX	BRIAN HARRIS	G3XGY	53	22
ONE WATT VHF TRANSMITTER	GORDON POPE	G3ASV	55	4
VHF/HF POWER METER	HARRY POPOFF	LZ1BB	55	26
50 MHZ TRANSVERTER [WHITE ROSE]	JOHN BEECH	G8SEQ	57	24
FET VFO FOR 70 MHZ	JOHN BEECH	G8SEQ	58	26
70 MHZ SINGLE CHANNEL PM TRANSCEIVER	JOHN BEECH	G8SEQ	60	25
2M AMPLIFIER	HARRY POPOV	LZ1BB	62	33
SEQUENCE 70 MHZ TCVR ON 2M OR 6M			63	36
VFO STABILISER	JOHN BEECH	G8SEQ	66	34
SEQUENCE TRANSCEIVER PUSH TO TALK	JOHN BEECH	G8SEQ	67	34
DOUBLE QUAD FOR 1.3 & 2..3 GHZ	JOHN BEECH	G8SEQ	76	36
2 METER ATU			77	36

VHF & Higher

BI-DIRECTIONAL AMPLIFIER			79	34
6m TO 2m TRANSVERTER	JOHN BEECH	G8SEQ	85	34
PL259's AT VHF	PETER CHADWICK	G3RZP	85	10
LINEAR POWER MIXERS AT SHF			88	34
LINEAR POWER MIXERS AT SHF			89	33
A VHF ABSORBTION WAVEMETER	HARRY FROGGATT	G3SOX	90	19
THE EPIPHYTE-3	DERRY SPITTLE	VE7QK	107	21
12BH7A 12v SEPARATE AUTODYNE RECEIVER	HIDEHIKO KOMACHI	JA9MAT	121	7
THE FRED BOX 2M AM HANDHELD	ROGER LAPTHORN	G3XBM	125	18
LINEAR PA FOR FREDBOX	JOHN BEECH	G8SEQ	126	36
A DIFFERENT TYPE OF QRP	RICHARD NEWSTEAD	G3CWI	135	25
EXPERIMENTERS FM TX	JOHN BEECH	G8SEQ	137	35
2 WATT LINEAR AMPLIFIER FOR 4m/6m	JOHN BEECH	G8SEQ	146	35
VHF SUPER REGENERATIVE RECEIVER	PAT WALTON	M1BNH	148	8
A SIMPLE QRP 4M TRANSVERTER	ROGER LAPTHORN	G3XBM	153	25
VHF SUPER REGENERATIVE RECEIVER	JOHN BEECH	G8SEQ	160	35
VHF MANAGER'S REPORT	JOHN BEECH	G8SEQ	171	20



SPRAT

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DEVOTED TO LOW POWER COMMUNICA

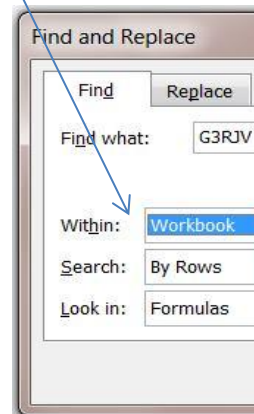
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