

LAST UPDATED 4/19/2025

3.3uF 16v SKV SMT .200" HIGH 10/\$1.00 (out of stock)

4.7uF 50V SMT .200" HIGH ALUMINUM ELECTROLYTIC 10/\$1.00,

10uF 16v +/- 10% TATALUM 3/\$1.00 2413

10uF 650v SKV SMT .200" HIGH 10/\$1.00 (out of stock)

22uF 10v +/- 10% TATALUM 3/\$1.00 2413

22uF 50V SMT .250" HIGH ALUMINUM ELECTROLYTIC 10/\$1.00F

47uF 16v SKV SMT .200" HIGH 10/\$1.00

100uF 25v SKV SMT .400" HIGH 10/\$1.00

220 uF 35v SKV SMT .400" HIGH 10/\$1.00

470uF 6.3v SKV SMT .400" HIGH 10/\$1.00

1000uF 6.3v SKV SMT .400" HIGH 10/\$1.00

CHIP CAPACITORS, ALL CAPACITORS ARE CERAMIC UNLESS NOTED

1.2 pF 1206 5% 100v NPO 10/\$1.00

1.5 pF 1206 5% 100v NPO 10/\$1.00

1.8pF 5% 1206 NPO 100v 10/\$1.00

2.2 pF 1206 5% 100v NPO 10/\$

3.3 pF 1206 5% 100v NPO 10/\$1.00

3.6 pF 5% 1206 NPO 100v 10/\$1.00

3.9 pF 1206 5% 100v NPO 10/\$1.00

4.7 pF 1206 5% 100v NPO 10/\$1.00

5.1 pF 1206 5% 100v NPO 10/\$1.00

6.8 pF 1206 5% 100v NPO 10/\$1.00

7.3 pF 1206 5% 100v NPO 10/\$1.00

8.2pF +/- .25pF 1206 NPO 100v 20/\$1.00

9.1pF +/- .25pF 1206 NPO 100v 10/\$1.00

10pF 5% 1206 NPO 100v 10/\$1.00

14pF 5% 1206 NPO 100v 10/\$1.00

15pF 5% 1206 NPO 100v 10/\$1.00

16pF 5% 1206 NPO 100v 10/\$1.00

18pF 5% 1206 NPO 100v 10/\$1.00

20pF 5% 1206 NPO 100v 10/\$1.00

22 pF 5% 1206 NPO 100v 10/\$1.00

25 pF 5% 1206 NPO 100v 10/\$1.00

27 pF 5% 1206 NPO 100v 10/\$1.00

33 pF 5% 1206 NPO 100v 10/\$1.00

34 pF 5% 1206 NPO 100v 10/\$1.00

47uF 25v Y5S LEADED CERAMIC DISC 10/\$1.00

51pF 5% 1206 NPO 100v 10/\$1.00

56pF 5% 1206 NPO 100v 10/\$1.00

82 pF 5% 1206 NPO 100v 10/\$1.00

91pF 5% 1206 NPO 100v 10/\$1.00

100pF 5% 1206 NPO 100v 10/\$1.00

120pF 5% 1206 NPO 100v 10/\$1.00

150pF 5% 1206 NPO 100v 10/\$1.00

300 pF 5% 1206 NPO 100v 10/\$1.00

470pF 5% 1206 NPO 100v 10/\$1.00

510pF 5% 1206 NPO 100v 10/\$1.00

680pF 5% 1206 NPO 100v 10/\$1.00

820pF 5% 1206 NPO 100v 10/\$1.00

910 pF 5% 1206 NPO 100v 10/\$1.00

.001uF X7R 1206 100v 10/\$1.00

.001uF X7R 2312 35v 10/\$1.00

2200pF 1206 5% 100v 10/\$1.00

2700pF 1206 5% 100v 10/\$1.00

3300pF 1206 5% 100v 10/\$1.00

4700pF 1206 5% 100v 10/\$1.00

5600pF 1206 5% 100v 10/\$1.00

6800pF 1206 5% 100v 10/\$1.00

8200pF 1206 5% 100v 10/\$1.00

.01uF 1206 X7R 50v 10/\$1.00

.015uF 1206 5% 100v 10/\$1.00

.018uF 1206 5% 100v 10/\$1.00

.022uF 1206 5% 100v 10/\$1.00

.033uF 1206 5% 100v 10/\$1.00

.047uF 1206 5% 100v 10/\$1.00

.056uF 1206 5% 100v 10/\$1.00

.1uF 1206 5% 100v 10/\$1.00

,47uF 1206 X7R 25v 10/\$1.00

,47uF 1912 +/- 10% 100v 10/\$1.00

1uF X7R 1206 50v 10/\$1.00

CHIP INDUCTORS

4700nH 1310 5% 10/\$1.00

.15 uH 1310 5% 10/\$1.00

.22 uH 1310 5% 10/\$1.00

.33 uH 1310 5% 10/\$1.00

.68 uH 1310 5% 10/\$1.00

.8 uH 3027 5% SFMR820T 10/\$1.00

2.2 uH 1310 5% 10/\$1.00

10 uH 1310 5% 10/\$1.00 TDK SLF7032T-102MR13-2

150 uH 1310 5% 10/\$1.00

P C BOARDS FOR PROJECTS IN ARRL HANDBOOKS

2003	2005	2010	2015	Article	Board Price
.				QST July 09, four output bench power supply, two board set, 4 identical positive l m2575t and a single negative supply by Cicchinelli	\$11.00
		1985		HAND BOOK 220 Mhz converter	\$5.00
		7.47		28 volt high current power supply (95 HB fig 11.5	\$8.50
		7.53	7.60	A lead acid battery charger by Lewis QST May 01	\$13.50
		7.56	7.63	QST jun94 over-voltage protection AC generators	\$5.50
11.25	17.28			Series-regulated power supply 4.5 to 25 v, 2.5 a, by Sabin	\$7.50
			7.52	13.8v, 5a power supply by Benspencer	
		12.38		ARRL HB chp32 fig 81 low noise preamps 10 GHz ATF (on g-10)	\$4.50
11.28	17.28			13.8 v 40 a switching power supply (QST Dec 98)	\$20.50
11.36	17.37			28v high current 10a power supply	\$9.00
			7.64	Crowbar circuit/kit See New Items kit (click here for details)	\$18.
		12.16		R2 receiver also QST 4_1993	\$8.50
12.40	14.39		12.33	Inexpensive SSTV with computer (see modems QST Jan 94)	\$5.50
13.44				2 meter brick amp using s-av7 (25w) or s-av1 7 (50w)	\$9.00
		13.6		QST Mar 00 QRP 40 meter tuna tin 2 transmitter	6.00
16.30				Crystal filter evaluation board (QST Mar 90)	\$7.00
16.33				Continuously variable bandwidth CW audio filter (QST Jul 95)	\$7.00
17.37	14.36	12.36	12.31	VHF gaas FET preamp for 430 mhz 15 db gain, .55nf	\$6.00
		13.20		Micro T 2 SSB transmitter by Campbell	
17.40	14.39		12.33	10 GHz preamp, (QEX Dec '92) on .015 Teflon	\$7.00
17.68	14.6	12.9	12.5	Rock-bending receiver for 7mhz (QST Aug 95)	\$7.00
17.71	14.64			Wide band MMIC preamp using Mar-6 (QST Nov 97)	\$5.00
17.78	14.72			Super regenerative VHF receiver w/ squelch (QEX Sep/Oct00)	\$10.00
			13.3	Pebble Crusher Two (fig 4-8)	\$6.00
		14.18		TAK-40 SSB transceiver by Veatch, 4 board set QST May 2008	\$24.00

17.88 14.74 Broadband HF amp, ifr510's 1w in, 40 w out (two board set) \$19.50 Set
 17.98 14.85 Simple regenerative HF receiver for beginners (QST Sep 00) \$6.00
 22.22 Quick and easy CW with your PC (QST Jan 95) \$7.00
 22.24 Expandable headphone mixer \$4.50
 22.28 Simple 10 minute timer using 4017 and 555 \$4.50
 22.29 Audio break-out box (QST Mar 95) \$6.00
 22.30 SWR detector audio adapter (QST Jul 94) \$4.50
 22.45 COM/Ten-Tec/Yaesu RS232 interface (QST Feb 93) board and 7417 and Max232 ic's \$11.00
 22.46 Kenwood RS232 interface (QST Feb 93) board and max232 and four opto couplers \$15.50
 22.51 TR time delay generator \$7.00
 24.3 24.3 SWR pickup board. \$4.50
 24.3 24.3 QST Jun 95 build simple led SWR indicator by K1KP the led indicator board \$4.50
 24.16 24.19 QST Apr 05 six port remote antenna switch board by KO4NR assembled& tested
 Set for active low, just add your antenna connectors and mounting case. \$42.00
 24.22 24.24 Kenwood serial radio interface (board, opto couples, mx232, 7805) \$15.50
 24.21 24.23 ICOM/Ten-Tec serial radio interface (board,7417, mx232, 7805) \$11.00
 24.23 24.25 Simple serial radio interface using two mosfets \$4.50
 24.35 An audio intelligibility enhancer by N4GG QST 1/05 \$8.50
 24.40 Audio interface for field/contesting by K0IZ QST 6/08 \$8.50
 25.44 Two tone generator , republished form 1988 HB chp 25-39 \$7.00
 25.5 Modern GDO gate dip oscillator by N1AI QST 5/03 \$.50
 23.70 13.30 Active attenuator for fox hunting (QST Nov 92) \$4.50
 26.16 25.15 Marker generator with selectable outputs \$4.50
 26.25 25.21 Measure inductance and capacitance with DVM; Inductance meter board \$5.50,
 27.5 25.26 26.5 Two transistor crystal controlled signal source \$4.50
 • Dip meter with digital display from QEX Oct 93 two board set boards \$17.00

		7.39		QST July 09, four output bench power supply, two board set, 4 identical positive lm2575t-3.3 and a single negative supply by Cicchinelli	\$11.00	
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		7.53	7.60	A lead acid battery charger by Lewis QST May 01	\$13.50	
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11.25	17.28			Series-regulated power supply 4.5 to 25 v, 2.5 a, by Sabin	\$7.50	

			7.52	13.8v, 5a al by Ben spencer also QST nov 93		
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11.36	17.37			28v high current 10a power supply	\$9.00	
			7.64	Crowbar circuit/kit <i>See New Items</i> kit (click here for details)	\$18.00	
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		13.6		QST Mar 00 QRP 40 meter tuna tin 2 transmitter	6.00	
16.30				Crystal filter evaluation board (QST Mar 90)	\$7.00	
16.33				Continuously variable bandwidth CW audio filter (QST Jul 95)	\$7.00	
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17.71	14.64			Wide band MMIC preamp using Mar-6 (QST Nov 97)	\$5.00	
17.78	14.72			Super regenerative VHF receiver w/ squelch (QEX Sep/Oct00)	\$10.00	
			13.3	Pebble Crusher Two (fig 4-8)	\$6.00	
		14.18		TAK-40 SSB transceiver by Veatch, 4 board set QST May 2008	24.50	
17.80	15.9			Norcal Sierra 80-15m CW transceiver (QRP); main board and four sets of band boards	\$33.00 set	
17.88	14.74			Broadband HF amp, ifr510's 1w in, 40 w out (two board set)	\$19.50 Set	
17.98	14.85			Simple regenerative HF receiver for beginners (QST Sep 00)	\$6.00	
22.22				Quick andeasy CW with your PC (QST Jan 95)	\$7.00	
22.24				Expandable headphone mixer see Chp 28 also	\$4.50	
22.28				Simple 10 minute timer using 4017 and 555	\$4.50	
22.29				Audio break-out box (QST Mar 95)	\$6.00	
22.30				SWR detector audio adapter (QST Jul 94)	\$4.50	
22.33				Tandem match directional wattmeter (QST Jan 87 & QST Jul 93) discontinued	DISCONTINUED	
22.45				ICOM/Ten-Tec/Yaesu RS232 interface (QST Feb 93) board and 7417 and Max232 ic's	\$11.00	

22.46				Kenwood RS232 interface (QST Feb 93) board and max232 and four opto couplers	\$15.50	
22.51				TR time delay generator also known as 31.22	\$7.00	
		24.3	24.3	SWR pickup board.	\$4.50	
		24.3	24.3	QST Jun 95 build simple led SWR indicator by K1KP the led indicator board	\$4.50	
		24.16	24.19	QST Apr 05 six port remote antenna switch board by KO4NR completely assembled and tested, supplied with active low. You add the RF connectors and case.	\$42.00	
		24.22	24.24	Kenwood serial radio interface (board, opto couples, mx232, 7805)	\$15.50	
		24.21	24.23	ICOM/Ten-Tec serial radio interface (board, 7417, mx232, 7805)	\$11.00	
		24.23	24.25	Simple serial radio interface using two mosfets	\$4.50	
			24.35	An audio intelligibility enhancer by N4GG QST 1/05	\$8.50	
			24.40	Audio interface for field/contesting by K0IZ (see picture) QST 6/08	\$8.50	
				Tw25.44o tone gen , republished form 1988 HB ch23	\$7	
			25.50	Modern GDO gate dip oscillator by N1AI QST 5/03	\$4.50	
23.70	13.30			Active attenuator for fox hunting (QST Nov 92)	\$4.50	
26.16	25.15			Marker generator with selectable outputs	\$4.50	
26.25	25.21			Measure inductance and capacitance with DVM; Inductance meter board \$5.50, capacitance meter	\$5.50ea	
27.5	25.26		26.5	Two transistor crystal controlled signal source	\$4.50	
	25.17			Dip meter with digital display from QEX Oct 93 two board set click to view boards	\$17.00	

AUDIO FILTERS & AUDIO PROCESSORS

Looking for replacement to Radio shack RS273-1378 audio transformer, look at 42M002-RC OR 42TL002RC transformer transfo available at Mouse. W2MY/5 Audio Break Out Box \$7.00

K2 AUDIO FIX FOR Eleck2 transceivercraft \$4.00

AA-10A-1 25 Watt Audio Amp by John Keith details at <http://www.bwcelectronics.com/projects/AA10A090.pdf> \$16.00

The SM0VPO 4 watt audio amplifier . Author has requested I do not offer there for sale

Motorola replacement 5W audio board for older style external speaker \$8.00

ARRL HB CHP28 FIG.10 (92) [Audio amp with AGC](#) (also CHP28 FIG.15 (88-91)) \$5.00

ARRL HB CHP28 FIG.13 (92) [An expanded headphone mixer](#) (also CHP28 FIG.18 (88-91)) \$4.50

ARRL W1FB QRP NTBK 1991 FIG. 3-22 Active CW Filter \$5.00

73's May 97 Audio multiplexer for your frequency counter for measuring CTCSS tones by KB8XI \$

73's NOV 96 [Magical audio filter using MC1458&MAX295 ICs BY Jim Pepper](#) \$7.00

73's DEC 93 Cripe hyper audio filter \$5.50

73's May 97 Deluxe COMM audio by Curry 8,50

73's JULY 93 Universal speech processor 5.50

73's Feb93 Switched capacitor audio filter tone processor \$5.00

73's NOV 92 The noise remover, basic noise limiter 5.00

73's NOV 92 The noise remover, basic noise limiter, plus filter \$4.50

73's NOV 92 The noise remover, basic noise limiter, plus filter & amp \$5.00
 73's OCT 92 The noise remover, basic noise limiter, plus filter & amp
 73's Feb93 Noise blanker (larger BD) \$5.00
 73's OCT 92 Noise blanker (smaller BD) \$4.50
 73's AUG 92 Digital alc \$4.00
 73's JUN 91 HW-8 audio amp \$4.00
 73's ULY 91 Pseudo CW filter \$6.00
 73's DEC 90 Audio power tape recorder controller \$4.50
 73's Sep90 Solution AGC circuit \$5.50
 73's APR 90 Blanker for TS940S \$5.50
 73's FEB 90 Contest quality headset and MIC amplifier \$5.00
 73's DEC 89 VOX for THs \$4.00
 73's JULY 89 4 IN/5 out audio mixer \$9.50
 COMM QRTY Winter 97 Logarithmic audio speech processor by W. Sabin (two board set) \$14.50
 CQ Jul97 WIFB QRN 'squelcher' MK-III project \$5.50
 CQ NOV 96 Desk top microphone preamp using 2N7000 FET by Rich Littlefield \$5.00
 CQ MAY 96 WIFB 'squelcher' noise eliminator MK-II \$5.75
 HR Apr89 Multiband speech processor \$5.00
 NUTS&VOLTS MAR 03 NATIONAL SEMICONDUCTOR LM4752 \$5.50
 NUTS&VOLTS Dec97 MIDI to synthesizer interface by Thomas Henry (source code available from \$11.00
 PE May98 [Portable CD dual 4 watt amp by Davidson](#) \$8.50
 PE DEC 71 Distortionless audio compressor ([click here article](#)) \$7.00
 PE SEPT 74 Build a 400 watt stereo audio amp the Ampzilla 2 board set 33.00
 QEX 1/2 '08 (Tech Notes) A squelch amplifier by KE5KSC \$7.50
 QEX Sep/Oct01 (Tech Notes) [Digital audio amplifier by Ulbing](#) \$5.50
 QEX Jul85 Morse code shaper \$12.50
 QRPp Sum98 Switch capacitance audio filter by Jim Pepper \$6.00
 QST JUL 19 AGC by Littlefield \$4.50
 QST Feb 17 An oscillator for MCW by WB9YBM ([CLICK Here](#)) \$4.5
 QST APR 16 [CW TONE DETECTOR. Complete set of parts and board](#) \$10.00
 QST APR16 [CW Tone Detector Boards \(click here\)](#) \$5.00
 QST Aug15 [headphone amplifier](#) \$4.50
 QST Jun08 Audio interface for field/contesting by KOIZ (SEE PICTURE) \$8.50
 QST JAN07 Simple computer to transmitter morse keyer interface click \$4.00
 QST JUN06 Low cost active audio filter for CW using LM324 by WA9PYH \$5.00
 QST Jan05 An audio intelligibility enhancer by N4GG \$8.00
 QST Dec02 EQ5+ microphone equalizer by ND2N, 2 board set \$13.50
 QST Jul02 Improve audio equalizer by WB9YBM \$5.50
 QST Feb02 CW generator and audio distribution system by Rynone \$8.00
 QST Dec00 Noise canceling with electret condenser microphones by Spices \$4.50
 QST Nov99 PTTSound BY EB3NC \$7.50
 QST May00 Improving the hamtronics R139 VHF weather- satellite receiver interface by Jim KOCSIS \$5.00
 QST Jul98 A voice balancing audio peak clipper by John Burger \$6.00
 QST Nov97 Six channel distribution amp by Sumner Weisman \$7.00
 QST Nov95 AMSAFID, an automatic microphone switcher amplifier filter integrator distributor by Mandelkern \$7.00
 QST Jun95 Continuously variable bandwidth audio filter using MAX295 IC'S by Bramwell \$7.00
 QST Mar95 Audio break-out box by Spencer \$7.00
 QST Feb95 AGC audio preamp by Miller 5.50
 QST Dec94 Spencer 1 W AF amplifier \$55.50
 QST NOV 94 Two tone generator using two transistors oscillators. \$7.50
 QST NOV 92 Dual audio speakers by \$5.50
 QST Dec91 Quality desk mike \$5.00
 QST Aug89 Desk mike audio booster preamp by Demaw (also ARRL HB'96 page SSM2165 speech compressor mini-kit, (2) C
 SSM2165, 78L05, L1, and P C board DISCONTINUED 22.29)

QST Oct83 A tunable CW filter \$6.00
 QST JULY 1982 EQ200 by Heil \$7.00
 R.CROWLEY COMCLONE 2 by Crowley \$7.00
 ANALOG DEVICES SSM2165 SSM2165 speech compressor mini-kit, **DISCONTINUED**

BATTERY CHARGERS, SOLAR CONTROLLERS & ACCESSORIES

Reference Article	Publication	Board Price
VK3EM Seal Lead Acid (SLA) Battery Charger		\$9.00
Astron power supply restoration PS15d102, PS15d122 by W5BWC see www.bwcelectronics.com		\$5.
73's Jan03 KISS chargers by Art Householder; single cell board \$4.50, six cell circuit board		\$4.50/\$8.00
73's Nov02 Automotive battery voltage monitor by KC5MFY		\$4.50
73's Mar00 Art Housholder , the care and feeding of NiCd's		\$4.50
73's Jun97 NiCd health maintenance system.(measures, discharges, and charges NiCd cell packs, uses the MAX713 and LM3914 IC's) (MAX713 IC is available for \$10.00)	Board	\$6.00
73's Jun96 Nicad discharger by Kitchens		\$5.50
73's Battery monitor and charge controller by Kitchens		\$4,50
73's May94 Togashi fast charger using MAXIUM713 IC (MAX713 IC is available for \$10.00)	board	\$10.00
73's Nov93 Solar control-ar		\$4.50
73's Jan94 Quad charger		\$7.50
73's Jun93 Portable packet digipeater		\$9.00
73's Jun93 Battery backup charger		\$10.50
73's Jun93 Portable digipeater battery/solar controller		\$10.00
73's May93 Battery monitor charger alarm		\$7.50
73's May92 Battery watchdog		\$5.00
73's Jun94 Bryce MRP4 solar panel controller		\$7.00
73's Aug91 QRP pulse charger		\$7.00
ARRL HB 88-94 CHP27 FIG 58 AA6PZ power charger		\$6.50
ARRL HB 88-94 CHP27 FIG 61 Controlled battery charger (Dec 82 QST)		\$6.25
ARRL HB 88-92 CHP27 FIG 68 Emergency gelled-electrolyte battery charger using UC3900 IC		\$5.00
ARRL HB 92 CHP27 FIG 66 Emergency gelled-electrolyte battery charger with UC3906 IC		\$16.50
CQ VHF Fall02 Battery helper by K3YWY		\$4 .50
HR Mar90 Supercharger, large board		\$10.75
HR Mar90 Supercharger,single charger board		\$3.50
NUTS&VOLTS Feb96 NICAD battery zapper		\$6.00
QST AUG 08 Battery monitor indicator		\$5.00
QST May01 A lead acid battery charger by Lewis (2010 handbook)		\$13.50
QST Qct98 Battery voltage indicator by Don Varner		\$4.50
QST Sep98 High capacity battery source by Gagnon, 2 board set		\$9.00
QST Sep98 High capacity battery source by Gagnon - battery indicator board #2 only		\$5.50
QST Dec97 Triple trickle charger by meyer		\$6.00
QST JUL'97 N4UAU battery boost increase 10% to 100% at 5 amps		\$5.00
QST Aug95 Bryce battery sentry		DISCONTINUED
QST Sep94 Smart charger for nicads by Avritch with all corrections and updates using MAX713 IC (MAX713 IC is available for \$10.00)	board	\$4.50

QST Jun94	Overvoltage protection AC generators	\$5.50
QST Mar94	Spencer lead acid battery charger	\$5.50
QST Nov93	Bryce low voltage disconnect	\$8.00
QST Oct93	Bryce sunswitch controller	\$8.00
QST Sep93	Long haul battery charger	\$6.50
QST Jan92	FET charger controller	\$15.00

CONVERTERS & TRANSVERTERS

Publication	Reference Article	Board Price
	BRANNAN VLF CONVERTER TWO SET (BOARDS)	\$10.00 SET
	FUNCUBE DONGLE HF CONVERTER BY M1GEO/G8OCV AN EXCELLANT HF UP CONVERTER SEE http://www.george-smart.co.uk/wiki/FunCube_Upconverter	\$5.00
73's Apr95	SHORTWAVE CONVERTER FOR YOUR SCANNER BY DONNELL	\$5.00
73's Jul93	9 TO 10 CONVERTER BY N1II	\$5.00
73's Apr92	SAM1 1750M to 80M TRANSVERTER	\$12.00
73's Mar92	ATV DOWN CONVERTER	\$9.00
73's Feb91	RADAR DET. TO MICROWAVE RECEIVER CONVERSION	\$7.00
73's Jun90	TUNE IN NEW FRONTIER OF VHF	\$5.50
73's Feb90	NR5A 17M REC CONVERTER	\$5.50
73's Jun86	2 TO 10 TRANSCEIVER	\$16.50
AMSAT JOURNAL May/Jun03	1269MHZ TRANSMIT CONVERTER BY VE2ZAZ (MINI KIT)	\$39.00
ARRL HANDBOOK CHP30 FIG.26&27	160 METER LINEAR QSK TRANSVERTER (2BD SET)	\$15.50
ARRL HANDBOOK 1985	220MHZ CONVERTER	\$5.00
ARRL HANDBOOK CHP31 FIG.38	3 WATT TRANSMITTING CONVERTER FOR 6 METERS	\$9.50
ARRL W1FB QRP NOTEBOOK 1991	DIODE SWITCH TWO BAND CONVERTER (FIG 3-35)	\$8.25
COMM QRTY SPRING 91	HIPERFOR1296 MHZ CONVERTER	\$10.50
HR Oct85	ADD GENERAL COVERAGE TO YAESUS' FRG-9600 VHF-UHF REC	\$9.00
QEX Jul93 (Also CHP7-88 IN 95 HB)	NO TUNED 220 TRAMSVERTER THREE BOARD SET	\$32.00
QEX Nov 14	RECEIVER CONVERTER FOR 2M RADIO	\$11.00
QEX Mar/Apr 00	A SYNTHESIZED DOWN CONVERTER FOR 1691 MHZ WEFAX BY WA9PYH	\$9.00
QEX Aug88	A UHF/VHF MICROWAVE TRANSVERTER IF SW	\$6.00
QST NOV.08	MODULAR REC FOR EXPLORING THE LF/VLF BANDS BY K1QW , 2 BOARD SET (COMP/BOT VIEW BD1) (BOARD VIEW 2) (BOARD VIEW 3)	\$15.00 SET
QST Oct03	DIGITAL RADIO MONDIALE BY WB8IMY (PC BOARD+NE602+78L05)	\$9.00
QST Apr02	AMRAD LOW FREQUENCY UPCONVERTER BY GENTGES & RADZLAFF (3 BOARD SET)	\$13.50 Set
QST Jan97	SIMPLE 6 AND 2 METER CONVERTER BY KREUTER	\$6.50
QST Oct96	440 MHZ DOWN CONVERTER TV CH 3 OR 4 BY K2MQJ AND KA2CWL	\$8.50
QST Mar89	SIMPLE 80 METER CONVERTER	\$5.50
QST Feb89	TRANSISTOR AM RADIOS AS HAM RECEIVERS (2 BD SET	\$8.00
QST Apr85	CONVERTER FOR 24 MHZ WARC BAND W1FB QRP Classics	\$9.00
	THE SUFFOLK 144 MHZ TRANSVERTER (3 BOARD SET)	\$20.50

DIRECTION FINDING PROJECTS

Publication	Reference Article	Board Price
	TDOA" Switched Capacitor RDF by Mike Mladejovsky, WA7ARK (ARTICLE), (BOARD)	\$6.50
73's Nov00	SUPER SIMPLE 80M ATX-80 TRANSMITTER BY JOE MOELL	\$4.50
73's Nov00	BUILD AN 80 METER FOX-FINDER RECEIVER BY JERRY BOYD	\$6.00
73's Nov98	BUILD THE FOX TTL FOXHUNT TRANSMITTER BY DAVE PELAEZ	\$6. 25

73's May98 MONTREAL FOX CONTROLLER FROM HOMING-IN COLUMN BY MOELL \$5.00
 73's Jul90 FOXHUNT RADIO DIRECTION FINDER BY PAUL BOHRER \$8.00
 ARRL HB CHP 25 FIG 72 8 SWITCH ATTENUATOR BOX WITH 8 SLIDE SWITCHS \$12.00
 CQ Jun02 NOGSG PORTABLE RADIO DIRECTION FINDER PC BOARD \$7.00
 CQ VHF Sep96 SHERLOCK TRANSMITTER SIGNATURE ID-ER BY MALLETTE \$8.50
 PE Jan95 THREE STAGE ELECTRONIC STEP ATTENUATOR BY K.CORNELL \$7.50
 QST SEPT '05 SIMPLE DIRECTION-FINDING RECEIVER BY WB6BYU \$7.00
 QST MAR'05 UHF FOX TRANSMITTER WITH AUDIO RECORDING \$6.00
 QST Nov02 NOGSG DSP RADIO DIRECTION FINDER, 3 BOARD SET \$19.50
 QST MAY99 RADIO DIRECTION FINDING PROJECT BY WA2EBY TWO BOARD SET(NOT AVAILABLE)
 QST Nov95 FOUR WAY DFer BY MALLETTE \$12.50
 QST May93 BUILD THE HANDI-FINDER \$8.00
 QST Nov92 \$5.00ACTIVE ATTENUATOR FOR TRANSMITTER HUNTING
 TRANSMITTER HUNTING BY JOSEPH MOELL ROANOKE DOPPLER DF (MAIN BD, 16 LED DISPLAY BD, ANT SW BD)
 \$19.50
 TRANSMITTER HUNTING BY JOSEPH MOELL OFFSET ATTENUATOR BY MOEL 2.3" BY 1.8" BOARD NOTCHED OUT
 FOR UHF CONNNECTORS \$5.00 \$4.50
 HOMING IN DOPPLER TO RS232 ADAPTOR FOR JOE MOELL DF PROJECT IN "TRANSMITTER HUNTING
 VE2EMM PROJECTS V3.2 DOPPLER MAIN, 32 LED DISPLAY, ANT SW BD AND THREE PROGRAM PIC'S \$45.00
 MAXIM IC's FOR V3.2 MAX267 MAX492 AVAILABLE FOR \$18.00
 V3.2 DOPPLER MAIN, 32 LED MOEL ANT SW BOARDS ONLY \$19.00
 MONTREAL FOX CONTROLLER TRANSMITTER BY VE2EMM, 2 METER ARDF FOX TRANSMITTER FOR ZONE 2
 WITH 8 PIN SM IC ON BOTTOM OF BOARD V2.1 \$7.00
 TINY TRACK BY B GARRABRANTMONT
 FOX CONTROLLE R FOR INTERNATIONAL HUNTS ON 80M AMD 2M MTLCTRL3 POGRAMMED PIC'S \$10.00

DTMF, 2 TONE ENCODERS AND DECODERS

Publication	Reference Article	Board Price
73's Jul95	DTMF DECODER TO COMPUTER USING CD22204 IC'S BY TAYLOR	\$6.00
73's Jun95	TONE BURST ENCODER AND DECODER BY WB9YBM (2 BD SET)	\$8.50
73'S Dec94	DTMF COMPUTER INTERFACE ENCODER	\$6.00
73's May93	TONE BURST ENCODER AND DECODER BY WB9YBM (2 BD SET)	\$6.00
	QRP COLUMN QRP CONTROLLER	\$11.50
73's Jun92	TOUCH-TONE SQUELCH DTMF DECODER USING MT8870 IC WITH BCD OUTPUT	\$9.00
73's Dec84	TOUCH TONE DECODER	\$13.5
ARRL HB CHP25 FIG.51 (88-91)	A B TWO TONE GENERATOR (AND CHP25 FIG.39 (>93)	\$13.5
ARRL HB CHP 34 FIG 7		\$8.00
HR Dec89	LOW PWR 4 DIGIT DTMF DECODER	\$9.00
PE Sep95	DTMF DECODER/LOGGER USING PC16C55 BY T.WEEDER	\$8.50
PE Jul97	DTMF WIRETRACER CHECK OUT (2 BD SET)	\$10.00
QST Dec98	EASY DTMF SWITCH BY ON2CJX	\$6.00
QST Jun95	DTMF TO RS232C CONVERTER AND HFLINK CONTROLLER BY KG7SG	\$7.00
QST Nov 93	TWO TONE GENERATOR	\$7.00
QST Nov92	REMOTE DTMF CONTROL USING YOUR HT	\$21.00
QST Jul88	DTMF ENCODER	\$8.00
	HRPT/PDUS/CHRPT DECODER PRINT BY ROB ALBLAS;PROGRAMMED EPROM AND PC BOARD	25.00

FREQUENCY STANDARDS & FREQUENCY MEASURING INSTRUMENTS

Publication	Reference Article	Board Price
DL4YHF	FIVE DIGIT COUNTER TO 50 MHZ TWO BOARD SET, PROGRAMMED COUNTER2 PIC SEE http://www.qsl.net/dl4yhf/freq_counter/freq_counter.html	\$17.00

73's Jan, Feb,&Mar94 **WORLDS MOST ACCURATE FREQ STD BY ROEHIG PARTS 1,2, AND 3; (6 BOARD SET)** \$17.00
 73's Jan91 **HIGH PRECISION FREQUENCY STANDARD** \$7.00
 73's Jan91 **HF/VHF/UHF MARKER GENERATOR** \$6.50
 ARRL HB 92-94 CHP34 FIG.60 [A MARKER GENERATOR FOR 100, 50, 25KHZ](#)(1998 HB CHP26 FIG.16) (88-91 HB CHP34 FIG.66) \$5.50
 ARRL HB (1988 ONLY) CHP25 FIG.33 [CRYSTAL CALIBRATOR MARKER GENERATOR FOR 100, 50, 25KHZ](#) \$6.00
 ARRL HB CHP25 FIG.30 **500 MHZ FREQ COUNTER PRESCALER &COUNTER (1991 HB FIG.29) 2 BOARD SET** \$15.00
 ARRL HB CHP25-30 [LOW COST FREQUENCY COUNTER BY BAINBRIDGE\(1-40 MHZ\)](#)(ALSO FEB89 COM QRTY SPRING 98 **A 7 DIGIT HF FREQ COUNTER BY CARVER (2 BD SET) w/ program PIC** \$16.00
 QRPp Jun96 **DFD-5 SIMPLE DIGITAL FREQUENCY DISPLAY FOR EPIPHYTE BY VE7QK** \$6.00
 qrpP une 96 **dfd-5 simple digital frequency display for the epiphyte-2 byVE7QK** \$6.00
 QRPp Jun94 **OPTIONAL FREQUENCY COUNTER FOR NC40 BY JIM PEPPER** \$6.00
 QST Dec00 [THE UNICOUNTER - A MULTIPURPOSEFREQUENCY COUNTER/ELECTRONIC DIAL MINI-KIT BY STONE](#) \$21.00
VE3DNL 40KHZ, 20KHZ, 10KHZ, OR 5KHZ XTAL CONTROLLED MARKER GENERATOR USING 4060 IC \$5.50

KEYERS

Publication
Board Price

Reference Article

	Board to rebuild your accur keyer	\$7.00
16f676 keyer.pdf INCLUDES THE PROGRAMMED PIC	16f676 keyer.pdf INCLUDES THE PROGRAMMED PI, \$15.00	ARRL PIC PROGRAMMING MANUAL P C BOARD FOR 16F676 KEYER (click here) \$5.00,
programmed pioc \$10.00 complete kit includes	c programmed pic, p c board and all the parts	\$20.00
73's Sep99	A SIMPLE PIC KEYER BY UY5DJ	\$4.50
73's Jun95	INEXPENSIVE MORSE CODE KEYER USING 4000 SERIES CMOS BY N2YMW	
\$6.50		
73's May92	COPPERBACK BEETLE BUG	\$3.50
73's Jun91	BRASS POUNDER MEMORY KEYER	\$19.50
73's May91	THE COPPERHEAD KEYER	\$3.50
73's May91	MINI-KEYER	\$5.50
73's Apr90	ROBOT ID KEYER BY VK3ZOT	\$7.00
ARRL HB 94	SINGLE CHIP CURTIS KEYER BOARD FOR 8044ABM. (FAR CIRCUITS NO LONGER HAS ANY OF THE 8044ABM CHIPS)	\$5.25
ARRL HB 93 CHP29 FIG 19	CHIP TALKER: A VOICE "MEMORY KEYER"	\$16.50
ARRL HB 92-94 CHP29 FIG.3	A SIMPLE CMOS IAMBIC KEYER (88-91 HB CHP29 FIG.2)	\$6.75
ARRL HB 92 CHP29 FIG.7	CW ON A CHIP CURTIS IC KEYER (8044M/BM) (88-91 HB CHP29 FIG.4)	\$5.25
ARRL HB CHP29 FIG 11	THE SUPER CMOS KEYER II	\$6.50
HR Jan90	QRPTLC KEYER	\$3.50
HR Oct89	DIGI-KEYER	\$7.00
CQ JUN 95	PIXIE 2 KEYER WITH 20 M TRANSMITTER AND SIDE TONE. SAME AS IN QRPp	
WINTER 97 also CQ 9/08		\$7.00
QST JAN07	SIMPLE AUDIO COMPUTER TO TRANSMITTER MORSE KEYER INTERFACE	\$4.00
QST MAY06	AUTO-BUG KEYER W/ MESSAGE MEMORY, BD ONLY, PROGRAMMED PIC AVAILABLE FROM JA3KAB	\$5.00
QST FEB'05	HOMEBREW YOUR IAMBIC KEYER, P C BOARD, 7805, PROGRAMMED PIC	\$16.50
QST Aug04	THE CODE PLAYER BY W6BEG, P C BOARD, AND TWO 24LC64 IC'S REPORTS ARE THE CODE ON ARRL SITE DOES NOT WORK.	
	THE CODE I SUPPLY IN THE EPIC HAS BEEN CORRECTED AND WORKS	\$12.50

QST Aug99 PIC16F84 BASED CW DECODER BY MORGANTINI P C BOARD WITH
 PROGRAMMED PIC SPECIFY PIC FOR 1X6 OR 2X6 DISPLAY (BOARD ONLY \$6.00) \$21.50
 QST Dec97 COMPUTER KEYBOARD CW ENCODER BY ALSPAUGH \$4.50
 QST Jan95 CW WITH YOUR PC BY WB8DQT (ARRL HB 1996) \$6.00
 QST Sep92 DEBOUNCE FOR SEMI-AUTOMATIC SPEED KEYERS \$4.50
 QST Feb92 INFRARED OPTOELECTRONIC STRAIGHT KEY \$4.00
 QST Aug91 IR KEYSER INTERFACE, IR RX, IR TX (2 BOARD SET) \$8.00
 QST Aug91 IR KEYSER INTERFACE, IR TX W/ CURTIS CHIP KEYSER \$5.50

QST Aug 1973	Board to rebuild your accur keye rTwo board set Four sets left, when there gone they are gone	\$15.00
73's Sep99	A SIMPLE PIC KEYSER BY UY5DJ	\$4.50
73's Jun95	INEXPENSIVE MORSE CODE KEYSER USING 4000 SERIES r4 BY N2YMW	\$6.50
73's May92	COPPERBACK BEETLE BUG KK	\$3.50
73's Jun91	BRASS POUNDER MEMORY KEYSER	\$19.50
73's May91	THE COPPERHEAD KEYSER	\$3.50
73's May91	MINI-KEYSER	\$5.50
73's Apr90	ROBOT ID KEYSER BY VK3ZOT	\$7.00
ARRL HB 94 CHP 25-7	SINGLE CHIP CURTIS KEYSER BOARD FOR 8044ABM. (FAR CIRCUITS NO LONGER HAS ANY OF THE 8044ABM CHIPS)	\$5.25
ARRL HB 93 CHP29 FIG 19	CHIP TALKER: A VOICE "MEMORY KEYSER"	\$16.50
ARRL HB 92- 94 CHP29 FIG.3	A SIMPLE CMOS IAMBIC KEYSER (88-91 HB CHP29 FIG.2)	\$6.75
ARRL HB 92 CHP29 FIG.7	CW ON A CHIP CURTIS IC KEYSER (8044M/BM) (88-91 HB CHP29 FIG.4)	\$5.25
ARRL HB CHP29 FIG 11	THE SUPER CMOS KEYSER II	\$6.50
HR Jan90	QRP TLC KEYSER	\$3.50
HR Oct89	DIGI-KEYSER	\$7.00
CQ JUN 95	PIXIE 2 KEYSER WITH 20 M TRANSMITTER AND SIDE TONE. SAME AS IN QRPp WINTER 97 also CQ 9/08 Discontinued	\$7.00
QST JAN07	SIMPLE AUDIO COMPUTER TO TRANSMITTER MORSE KEYSER INTERFACE	\$4.00
QST MAY06	AUTO-BUG KEYSER W/ MESSAGE MEMORY, BD ONLY, PROGRAMMED PIC AVAILABLE FROM JA3KAB	\$5.00
QST FEB'05	HOME BREW YOUR IAMBIC KEYSER, P C BOARD, 7805, PROGRAMMED PIC	\$16.50
QST Aug04	THE CODE PLAYER BY W6BEG, P C BOARD, AND TWO 24LC64 IC'S REPORTS ARE THE CODE ON ARRL SITE DOES NOT WORK. THE CODE I SUPPLY IN TH EPIC HAS BEEN CORRECTED AND WORKS	\$12.50
QST Aug99	PIC16F84 BASED CW DECODER BY MORGANTINI P C BOARD WITH PROGRAMMED PIC SPECIFY PIC FOR 1X6 OR 2X6 DISPLAY (BD ONLY \$6.00)	\$21.50
QST Dec97	COMPUTER KEYBOARD CW ENCODER BY ALSPAUGH software not available	\$4.50
QST Jan95	CW WITH YOUR PC BY WB8DQT (ARRL HB 1996)	\$6.00
QST Sep92	DEBOUNCE FOR SEMI-AUTOMATIC SPEED KEYSERS	\$4.50

QST Feb92	INFRARED OPTOELECTRONIC STRAIGHT KEY	\$4.00
QST Aug91	IR KEYER INTERFACE, IR RX, IR TX (2 BOARD SET)	\$8.00
QST Aug91	IR KEYER INTERFACE, IR TX W/ CURTIS CHIP KEYER	\$5.50
RADIO FUN May93	BRYCE RADIO MAGIC KEYER	\$4.50
RADIO FUN Sep92	TAP KEY (2 BD SET)	\$10.50
RADIO FUN Jan92	CMOS IC KEYER	\$4.50

MISCELLANEOUS PROJECTS AND BREADBOARDS

PUBLICATION	Reference Article	Board Price
	www.weather-above.com pc BOARD FOR THE PROJECT	\$15.00
	\$5.00 Quad PIN Diode Attenuator 300 kHz to 4 GHz BOARD \$5.00 ea.	\$5.00
	BATTERY HOLDER BD FOR 4 1850 LI-INO BATTERIES IN A BK-1850-BC8 HOLDER BY BILL SMITH	\$8.00
	REPEATER POWER SUPPLY VHFE-PS-3A see http://www.repeater-builder.com/vhfe/pdfs/vhfe-ps-3a.pdf	\$9.00
	6 POSITION ANTENNA RELAY SWITCH BOARD FOR AMERICAN ZETTER AZ755-1C-12DE BY BILL SMITH Relays \$5.00 each 12 VDC only	
	NR4C-6 POSITION POWER POLE (INFORMATION CLICK HERE)	\$7.00
	CUSHCRAFT T7 REPLACEMENT MN7 BALEM BOARD	\$11.00
	MODCOM P C BOARDS BY WA0SPM, two board set	\$16.00
	WEID SOUND GENERATOR, CHECK OUT THIS URL http://www.musicfromouterspace.com/analogsynth/YOUR_FIRST_SYNTH/YOUR_FIRST_SYNTH.htmlP C BOARD (CLICK HERE)	\$8.00
	MODEL ROCKET ALTIMETER BOARD, DETAILS AT http://www.jbgimo.com/	\$4.50
PE	POPULAR ELECTRONICS JULY 1967 SIMPLE METAL DETECTOR \$6.00	\$6.00
73's Apr02	HAM WINDOW DRESSING BY RYNONE	\$7.00
73's Feb01	WAY COOL ROCKET PROJECT (2 BOARD SET)	\$12.50 Set
73's Sep99	PORTABLE 2 METER J-POLE ANTENNA BY WA8TXT	\$4.00
73's Apr97	BUILD A COLLOIDAL SILVER GENERATOR BY TOM MILLER	\$4.50
73's Oct96	WAYNE'S COLUMN PG60 "PLANT STIMULATOR"BD USING 2 4N38 IC'S	\$4.50
73's May96	BIOELECTIFIER BOARD BY THOMAS MILLER AND 4 OPTICAL COUPLERS	\$9.50

73's May96	BIO-ELECTRIFIER BY MILLER USING A SINGLE 9 VOLT BATTERY	\$26.00
73's May96	PLANT GROWTH STIMULATOR BY MILLER (2 OPTICAL COUPLERS)	\$4.50
73's Jan96	TELEPHONE FLASHER	\$4.50
73's Jun94	ELKINS MOBILE ON ALARM/TIMER	\$4.00
73's Jul94	CARR'S UNIVERSAL WAVE TRAP	\$4.50
ARRL HB	CHP 31 FIG 22TR TIME DELAY GENERATOR	\$7.00
ARRL HB92-94 CHP23 FIG.43	DIGITAL TR SEQUENCER FOR SATELLITE WORK (88-91 HB CHP23 FIG.26)	\$7.25
ARRL HB (88-91)	SPDT RF SWITCH (CHP32 FIG.65)	\$3.50
ARRL HB (88-91)	PIN DIODE TR SWITCH (CHP34 FIG.18) (2 BD SET)	\$17.50
ARRL QRP CLASSICS	SIMPLE QRP GEAR VERSUS GOOD PERFORMANCE (QST 1/85)	\$5.25
ARRLW1FB DESIGN NOTEBOOK	UNIVERSAL BREADBOARD (FIG 4-3	\$6.00
ARRL W1FB QRP 1990 NOTEBOOK	S METER (FIG.3-17)	\$3.50
ELECTRONIC S NOW Oct 98	ELECTRONIC WIND VANE, BY STEVE BOTTS	\$6.00
ELECTRONIC S NOW Nov92	SUPER STROBE FOR CREATING STOP-ACTION PHOTOS	\$6.00
FUN RADIO 92	SIMPLE LIGHT BASED TX/RX PAIR (2 BDS)	\$7.00
HOME POWER Aug/Sep01	CONVERTING A FLASHLIGHT TO LEDs BY PETER JONES (COMPLETE KIT OF RESISTORS, LEDS AND PC BOARD)	\$16.50
JAMES JENNINGS	BRAY BAROMETER v2	\$4.50
NUTS & VOLTS Nov99	ROBBI'S VIOLIN/GUITAR TUNER BY FRUITMAN	\$6.00
NUTS & VOLTS Mar & Apr99	PRACTICAL LIGHT METERS BY EVERT FRUITMAN, ANALOG OR DIGITAL BOARD VERSIONS	\$4.50 EACH
NUTS&VOLTS Oct97	5 IC BREADBOARD (4-16 PIN IC & 1-40 PIN IC)	\$10.50
QEX Jan/Feb 01	BUILD A DATA ACQUISITION SYSTEM FOR YOUR COMPUTER BY HAGEMAN	\$ 10.00
QEX JUL/AUG '04	DOUBLY BALANCED H-MODE MIXER FOR HF BY CARTOCETI	\$7.50
QST SEPT '13	AUTOMATIC MOBILE POWER CONTROL	\$5.50
QST MAR '13	OVERVOLTAGE PROTECTION FOR AC GENERATORS UPDATED	\$4.50
QST FEB '12	RELAY BASED BREAK IN TR SWITCH	\$5.00
QST AUG '09	THE IGNITION SWITCH BY WA5LUY SEE (PICTURE)	\$5.00
QST Aug08	BATTERY MONITOR INDICATOR	\$4.50

QST APR '08	REPAIR AND UPGRADE LOW COST GEIGER COUNTERS BY CHARLES KITCHIN	\$4.50
QST Apr06	MORSE CODE TELEMETRY FOR ROCKETS AND AIRCRAFT THREE BOARD SET PROG PIC AVAILABLE FROM AUTHOR	\$6.00
QST Apr06	HOME MADE ULTRASONIC POWER LINE ARC DETECTOR by W1TRC	\$5.00
QST Apr02	A LIGHTING DETECTOR FOR THE SHACK BY RADMORE	\$5.50
QST Aug00	AN INDOOR-OUTDOOR THERMOMETER BY KELLEYSEMI-KIT \$24.00 PCB ONLY \$6.00	\$6.00
QST Aug00	WIDE RANGE RF SURVEY METER BY LITTLEFIELD	\$4.50
QST Nov98	CHANNEL WATCH, A MULTIPLE-FREQUENCY ACTIVITY MONITOR BY JOHN HANSEN	\$7.00
QST Oct98	USING PIC uP'S IN AMATEUR PROJECTS BY JOHN HANSEN USING THE PIC16F84	\$4.50
QST Feb95	RADIO OBSERVATIONS OF SOLAR ECLIPSES BY EMERSON	\$4.00
QST Jun94	KOLTS AUTO TEMP CONTROLLER FAN	\$4.25
QST Jun94	SCAR INTERFERENCE FILTER	\$13.50
QST Apr94	RINGMASTER RING DETECTOR	\$6.25
QST Sep92	3 SWITCH ATTN BOX	\$5.50
QST Sep92	8 SWITCH ATTN BOX	\$9.00
QST Sep92	NEW HAM COMPANION IGN SWITCH CONTROL	\$5.25
QST Aug90	A TRIBAND MICROWAVE DISH FEED	\$8.50
QST Mar88	CORDLESS TELEPHONE LINK	\$6.50
QST Mar86	ROMSCANNER	\$7.50
QST Jan81	THE ARES STANDARD-TONE ALERT SYSTEM BY FRANK JAEGER , WA9SQN	\$3.50
	QRP MANHATTEN STYLE IC PADS 8 PIN 6/\$1.00 AND 14 OR 16 PIN 5/1.00 DIP OR SOIC	CALL
	DAVE EK DIGITAL SETTING CIRCLES PROJECT FOR SERIAL INTERFACE. (BOARD, ref osc, rs232 ic, AND PROGRAMMED PIC)	\$24.00
	THE DSC FOR USB INTERFACE, USB INTERFACE BOARD AND TWO ENCODER BOARDS, CABLE FOR THE ENCOVER AND PROCESSOR BOARD	\$45.00
	THE BLUETOOTH ASSEMBLED AND TESTED	465.00
	GP-1 LIGHTING LOCATOR (NINE BOARDS IN PROJECT)	\$98.00
	SURFACE MOUNT IC BREADBOARD---FOR 2-52 PIN QUAD PACK IC's (6 7/8"X 3 5/8")	\$10. 50
	SURFACE MOUNT IC BREADBOARD---FOR 2-44 PIN QUAD PACK IC's (6 3/4"X 3 5/16")	\$10.50
	SURFACE MOUNT IC BREADBOARD---FOR 3-28 PIN	\$10.50

	QUAD PACK IC's (6 5/8"X 2 3/4")	
	SURFACE MOUNT IC BREADBOARD---FOR 1-16 PIN SMIC AND 1-28 PIN SMIC (7 5/8"X 2 1/4")	\$10.50
	SINGLE IC BREADBOARD (APPROX 2"X 4")	\$6. 00
	TWO IC BREADBOARD (APPROX 2"X 4")	\$6. 00
	FOUR IC BREADBOARD (APPROX 2"X 4")	\$6. 00
	EYLET'S .055 OD .042 ID FOR DOUBLE SIDED BOARD THRU HOLES \$0.10 EACH; OR YOU CAN BUY DIRECT FROM MOUSER AT \$26.00 FOR A PACKAGE OF 500.	

MODEMS, COMPUTER/FAX/RADIO INTERFACES, SLOW SCAN, ATV

Publication	Reference Article	Board Price
	DAVE EK DIGITAL SETTING CIRCLES PROJECT WITH USB INTERFACE, ASSEMBLED, WITH ENCODER CABLES AND ENCODER BOARDS TO MOUNT ENCODERS	\$ 35.00
	DAVE EK DIGITAL SETTING CIRCLES PROJECT SERIAL INTERFACE. (BOARD, refosc, rs232 ic, AND PROGRAMMED PIC)	\$24.00
	DAVE EK BLUETHTOOTH DIGIAL CIRCLE PROJECT BY DAVE EK, ASSEMBLED WITH ALL THE PARTS, PROGRAMMED AND TESTEDBY Mr. EK,NOT AVAILABLE TILL MID SUMMER	\$53.00
73's Dec00	MORE THAN A MODEM MONITORBY FRUITMAN	\$6.00
73's Aug99	A PSK INTERFACE BY WA8TXT	\$4.50
73's Aug95	19.2 BAUD MODEM INTERFACE USING MC1488 IC'S BY DEWEY	\$6.00
73's Feb94	ASCII TO MORSE INTERFACE	\$13.50
73's Mar93	FTR146 COMPUTER INTERFACE	\$10.00
73's Dec91	COMPUTER TUNING FOR RAMSEY REC KITS	\$7.00
73's Aug91	HIGH SPEED DATA ACQUISITION	\$4.50
73's Jun85	TUNE IN THE TU1000 RTTY	\$17.50
ARRL HB 00 Fig 22.80	ICOM/TEN-TEC/YAESU INTERFACE (BOARD,78M05,7417,MX232)	\$11.00
ARRL HB 00 Fig 22.81	KENWOOD INTERFACE INTERFACE (BOARD, OPTO COUPLES, MX232,7805)(CLICK HERE TO SEE INFERFACE PROBLEMS}	\$15.50
ARRL HB 92CHP28 FIG.16	ATV MONITORING INSTRUMENT (91 HB CHP28 FIG.28)	\$12.50
COMM. QUARTERLY Summer 93	ZL PACKET RADIO MODEM	\$7.00
COMM. QUARTERLY Spring 93	FSK SIGNAL MONITOR	\$7.00
CQ Mar92	KENWOOD RS232 INTERFACE BOARD MX232	\$10.00
CQ VHF Oct98	INTERNET INTERFACE BOARD BY JOHN HANSEN	\$5.50

CQ VHF Nov96	SIX PORT SERIAL MULTIPLEXER BOARD	\$9.00
ELECTRONICS NOW Feb98	POCSAG ENCODER	\$4.50
HAMCOM	JVFAX 7.0 VER 8-31-94 USING 741, BOARD DESIGNED FOR DISCRETE COMPONENTS. BOARD SOLDERS ONTO A DB25 CONNECTOR	\$6.00
NUTS&VOLTS Nov97	PROGRAMMER COMPUTER CONTROL INTERFACE FOR YOUR SCANNER BY JOHN MONTALBANO. (SERIAL INTERFACE BOARD)	\$5.50
NUTS&VOLTS Nov97	PROGRAMMER COMPUTER CONTROL INTERFACE FOR YOUR SCANNER BY JOHN MONTALBANO. (PARALLEL INTERFACE BOARD)	\$6.00
PRACTICAL WIRELESS MAGAZINE	JV FAX WITH 3.5"DISK OF VER 7.0 SOFTWARE AND DOCUMENTATION	\$19.50
PE May '96	BASIC MODEM 1200 BAUD USES TCM3105 DISCONTINUED	
QST May 2013	CHEAP AND EASY SDR HF CONVERTER BY W9RAN	\$4.50
QST APRIL 2012	LEVEL CONVERTER BY AD7HM \$5.00	\$5.00
QST AUG 2011	SIMPLE SOUND CARD FOR GENERATING FSK ALSO USED FOR QST MAY 2003 FSKit	\$5.50
QST AUG 2011	VOSK VOICE OPERATED STRAIGHT KEY FOR HANDS FREE CW	\$4.50
QST MAR'11	DIGITAL VOX SOUND CARD INTERFACE BY SKIP TELLER	\$5.00
QST JUN'09	SOUND CARD INTERFACE FOR FM TRANSCEIVERS BY KH6TY	\$4.50
QST FEB'07 DISCONTINUED	A SIMPLE BLUETOOTH RADIO INTERFACE BY KU7Q 4 BOARD SET	
QST Nov 00	AN INEXPENSIVE KISS-MODE TNC BY HANSEN	\$9.00
QST Nov 00	A FLEXIBLE DIGITAL-MODE INTERFACE BY MITRENGA	\$6.00
QST Jan00	AN MX614 PACKET MODEM BY N9ART INCLUDES MX614, 74HC04, PCB, CRYSTAL	\$16.00
QST Jul97	PARALLEL PORT JVFX ADAPTOR BY GRANT ZEHR	\$9.50
QST Mar97	"WEATHER DATA TO GO"BY COX AA3EK,USING TCM3105 AND MAX232 IC'S (MAX232 IC AVAILABLE FOR \$5.00 EA.)	\$5.50
QST May96	COMPUTER CONTROL FORRAMSEY FX-146&FX440 BYKOWALSKY (ALSOSEE 73's Jun92 UNDER OSC, VFO, BFO's)	\$4.50
QST Mar96	JVFX APT ADAPTOR FOR WEATHER SATELLITES BY AA9LC (2 BOARD SET)	\$8.50
QST Dec95	IMP PACKET MODEM BY MARCHESE USING TCM3105 IC	\$5.50
QST Mar95	GRAIG LEE MODEM USING MAX231CPD IC TO MOUNT IN A DB25 CONNECTOR CASE	\$6.00
QST Jan94	INEXPENSIVE SSTV INTERFACE	\$5.50
QST Feb93	TEN-TEC/ICOM/YAESU,AND KENWOOD MODEM BOARDS; SEE ARRL HANDBOOK SECTION ; CH22.45 and CH22.46	N/A
QST Jul92	LOW COST ICOM PC INTERFACE ; SEE ARRL HANDBOOK SECTION CH22.45	\$4.50
QST Sep91	IMPROVE HF WEATHER FAX	\$5.50
QST Sep91	INEXPENSIVE COMPUTER/RADIO INTERFACE	\$6.00
QST Jun88	A CHEAP AND EASY MODEM (3 BOARD SET)	\$23.00
QST Sept70	COLLINS QSK FOR S-LINE	\$8.00

OSCILLATORS, VFO, BFO & FREQUENCY SYNTHESIZER PROJECTS

Publication	Reference Article	Board Price
	DDS SIGNAL GENERATOR BY VK5TM USING AD8950 MODUUE	\$\$5.5073's Oct95
	DDS DREAM DIGITAL VFO USING AD7006JP50 (IC MAIN AND SWITCH BDS)	\$17.50 SET
73's Sep94	KENDRABOARD DIRECT DIGITAL SYNTHESIZER	\$5.50
73's Aug94	HOUDGKINSON STANDALONE DDS FREQ CONTROL	\$6.75
73's May94	UNIVERSAL VFO IN CARR'S CORNER	\$6.00
73's Mar94	TW-1 THIMBLE WELSH DDS VFO CONTROL (DOUBLE SIDED	\$21.50
73's Feb94	COMPUTER CONTROL FOR WELSH DDS VFO	\$7.50
73's Jun92	8K CH FOR FX-146 WITH TWO EPROMS	\$12.50
	ARRL W1FB QRP NOTEBOOK TWO CHANNEL BFO (FIG 5-16)	\$4.50
	ARRL W1FB QRP 1991 NOTEBOOK UNIVERSAL VFO (FIG. 3-11) (QST6/91	\$5.50
	ARRL W1FB QRP NOTEBOOK 1991VARIABLE FREQUENCY OSC (FIG. 3-14)	\$6.25
	ARRL QRP CLASSICS A BEGINNER'S LOOK AT BASIC OSCILLATORS (QST 2/84)	\$4.50
	ARRL QRP CLASSICS TUNING DIODE APPLISELECTOR FOR YAESU FT-757GX	DISCONNED
	QEX JAN/FEB 08 A 2256 MHZ PLL LOCAL OSCILLATOR BY WA9PYH, P C BOARD AND PROGRAMMED PIC	16.00
	ARRL QRP CLASSICS APPLICATIONS AND A VVC TUNED 40M VFO (QST 9/7)	\$6.50
	ARRL QRP CLASSICS A VFO WITH BANDSPREAD AND BANDSET (QST 1/89)	\$4.50
CQ Jan97	TUNABLE BFO FOR 455 KHZ COLLINS FILTERS BY W1FB	\$5.50
CQ Jun91	W1FB VFO ALSO IN QST	\$4.50
HR Nov87	THUMBWHEEL FREQ SELECTOR FOR YAESU FT757GX	\$15.50
QEX Mar/Apr04	GENERATING A 1296 MHZ SIGNAL BY W1VT (MINI-KIT)	\$16.50
QEX Dec98	FASTDIGITAL STABILIZER BY PETE LAWTON	\$12.50
QEX Jul/Aug98	A 2256 MHZ PLL LOCAL OSCILLATOR BY WA9PYH, P C BOARD AND PROGRAMMED PIC	\$16.00
QEX Mar/Apr04	GENERATING A 1296 MHZ SIGNAL BY W1VT (MINI-KIT)	\$33.00
QEX FEB 97	FREQUENCY STABILITY FOR L-C OSCILLATORS	\$6.00

QRPp THE CB SLIDER VFO BY MUSCOLINE \$5.00

QEX Jul97	DIRECTDIGITAL SYNTHESIS VFO WITH VER 3 PROGRAMMED PIC	\$18,50
QEXFEB 96	FREQUENCY STABILITY FOR L-C OSCILLATORS	\$6.00
QRPp	THE CB SLIDER VFO BY MUSCOLINE	\$5.50
QST DEC 20	TUNA TIN Synthesxer TWO BOARD SET	\$10.00
QST Jun04	SYNTHESIZER FOR DRAKE RECEIVER BY HAGEMAN (CLICK HERE FOR DESCRIPTION MINI KIT) Not available	\$79.00
QST Jun92	UGLY WEEKENDER II VFO/ BUFFER BD	\$4.50
QST Jul89	LOW COST MICROWAVE LOCAL OSCILLATOR (2 BDS) ON TEFLON	\$33.00
QST Jan89	VFO/W BANDSPREAD & BANDSET	\$4.50
QST Sep87	TUNING-DIODE APPLICATION AND A VVC-TUNED 40M VFO	\$6.50

POWER SUPPLIES

Publication	Reference Article	Board Price
	CROWBAR KIT TO ADD TO YOUR POWER SUPPLY (CLICK HERE FOR DETAILS)	\$18.00
	HEATHKIT SB200 POWER SUPPLY BOARD	\$18.00
	HEATHKIT HP1144A V3 FOR UPGRADE OF REPLACEMENT THIS BOARD HAS THE CROWBAR CIR	\$18.00
	RJ45 TO RJ45 BREAD BOARD KIT, INCLUDED PC BOARD AND THE TWO RJ45 JACKS (CLICK HERE)	\$10.00
	HEATKIT REBUILD SB220 DIODE/METER BOARD (VIEW HERE)	\$11.00
	HEATKIT REBUILD SB220 CAPACITOR BANK (VIEW HERE)	\$11.05
	HP24 REPLACEMENT BOARD, DOUBLER BOARD (CLICK HERE)	\$18.00
	HEATHKIT H SB101 IF BOARD	\$18.00
	HEATHKIT HP23 REPLACEMENT POWER SUPPLY BOARD (CLICK HERE)	\$16.00
	STEVE WEBER 0-14V 2A POWER SUPPLY VERSION 2 (DETAILS)	\$7.00
ft707	REBUILD THE FT707 POWER SUPPLY SEE http://hfdxer.x90x.net/ft-707_avr/ft707-01.html	\$7.50
LK500Z	REBUILDING LK500Z AMPLIFIER PS 3 BOARD SET	\$7.00
ASTROM	ASTRON PS15D122 REGULATOR BOARD Also called the PS15D102	\$7.00
aSTRON	PS15D103 BUSS STATUS INDICATOR AND PS15D101 REGULATOR BOARDS	\$7.00
	MC-20A-1 TWO BOARD SET SET	\$11.00
	PS15C222 AND PS15C221, TWO BOARD SET \$9.00 SET	\$9.00
	AP-10A-1 POWER SUPPLY 6 BOARDS	\$25.00
	MINI REGULATOR CIRCUITS FOR 78xx and 78LXX KIT click here for details	\$4.00

73's May95	MIKE BRYCE WART REMOVER 4X SUPPLY (2 BD SET)	\$15.00
73's Jan94	ABOVE AND BEYOND NEGATIVE BIAS SUPPLY BD SWITCHER CIRCUIT FOR DC TO DC CONVERTER	\$4.00
73's May93	EXPERIMENTERS POWER SUPPLY	\$6.00
73's Mar92	THE LAPPACK POWER SUPPLY	\$6.50
73's Oct90	DUAL VOLTAGE BENCH SUPPLY	\$4.85
HOME BREW FALL 03	UNIVERSAL POWER SUPPLY BY WA2DJN	\$7.00
ARRL HB 96 CHP 27-18	28 VOLT HIGH CURRENT POWER SUPPLY WITH THE CROW BAR CIRCUIT BOARD	\$9.50
ARRL HB 93 CHP27 FIG 22	SERIES REGULATED 4.5 TO 25 V, 2.5 A POWER SUPPLY (95 HB FIG 11.32)	\$6.50
ARRL HB 88-94 CHP27 FIG.5	5A SWITCHING POWER SUPPLY	\$4.50
ARRL HB 88 CHP27 FIG.10	RF PROOF 30 AMP POWER SUPPLY	\$10.50
ARRL HB 88-94 CHP27 FIG.23	1.2V TO 15V 5A POWER SUPPLY	\$4.50
ARRL HB (88 & 90 ONLY) CHP27 FIG.31	MULTIPLE VOLTAGE BENCH SUPPLY (2 BDS)	\$21.00
ARRL HB (91 ONLY) CHP27 FIG.31A	13.5 VDC 22 A SWITCHING MODE POWER SUPPLY	\$12.00
ARRL HB (91 ONLY) CHP27	OUTPUT CAPACITOR BOARD FOR SWITCHING PS	\$4.50
ARRL HB 88-90 CHP27 FIG.37, 40, & 43	A SMORGASBORD POWER SUPPLY (3BDS)	\$19.00
ARRL HB 88-94 CHP27 FIG.72	RECTIFIER BOARD FOR 2000 VOLT POWER SUPPLY	\$12.00
ARRL QRP CLASSICS	AN ACCURATE, INEXPENSIVE FREQUENCY MARKER (QST 6/85)	\$4.00
ARRL QRP CLASSICS	1.25 TO 25 V, 2.5 REGULATED POWER SUPPLY (QST 9/89)	\$7.00
QRP QRTLY Jul02	0-14V, 0.2 AMP POWER SUPPLY	\$5.00
COMM QRTLY	POWER SUPPLY REGULATOR BD BY STEVE WEBER	\$4.50
QEX Mar/Apr 99	POWER SUPPLY FOR A MOSFET POWER AMPLIFIER BY SABIN	\$8.00
QEX Nov/Dec98	40V 8A POWER SUPPLY FOR MOSFET AMPLIFIERS. USES LM317 AND 5-2N3773's	\$8.00
QST Nov04	12V dc BOOST REG FOR BATTERY OPERATION BY N8XJK, (BOBBIN, E'CORE AND FERRITE FOR AND P C BOARD) DISCONTINUED	

QST Dec98/Jan99	A 13.8V 40 AMP SWITCHING POWER SUPPLY BY MANFRED NORNHINWEG	\$19.00
QSTJUL'97	ALL-PURPOSE VOLTAGE BOOSTER Sam has low ESR capacitors&toroids available, http://members.cox.net/n4uau/kits/Booster%20QST.pdf	\$5.00
QST Nov89	POWER SUPPLY DESIGN HINTS	\$5.00
QST Nov93	13.5V 5A. SPENCER POWER SUPPLY (BOARD AND MC3423P1 IC) (ARRL HB 95 FIG 11.37) KESTEL BOARD	\$6.50
RADIO COMM. Apr96	40A POWER SUPPLY BY SPENCER 5 left, when they are gone, there gone.	\$4.50
	TS-930 POWER SUPPLY BOARD BY VK4AMZ see http://brisdance.com/vk4amz/ts930.html	7.00
BOARDS FOR HIGH VOLTAGE POWERSUPPLIES	VOLTAGE DOUBLER 8 CAPS W/GLITCH RESISTOR 6"X 6" Now with places for discrete diodes click here SCHEMATIC click here LARGE HI-V POWER SUPPLY BOARD 10 CAPS W/ GLITCH RESISTOR FULL WAVE BRIDGE 11"X 4.6" \$28.00 MEDIUM HI VOLTAGE POWER SUPPLY BD 8 CAPS WITH FULL WAVE BRIDGE 7"X 4.5" \$18.00 SMALL HI-V POWERSUPPLY BOARD 6 CAPS, FULL WAVE BRIDGE 5"X 4.5" \$15.00 K5AND 12 CAPS, FULL WAVE BRIDGE 6"BY 8.5"W/ GLITCH RESISTOR. \$28.00	\$22.00 \$18.00
	Dentron MLA 2500 REPLACEMENT POWER SUPPLY BOARD	\$7.00
	TRIODE BIAS SUPPLY (GRID V) BY DL4MEA	\$8.00
	10K power supply diode board 9.5" by 4.5" full wave bridge 12 diodes per leg	\$25.00

RECEIVERS

Publication	Reference Article	PRICE
PRO R2 RECEIVER	+ RECEIVER 5 BOARD SET \$30.00 (ANALOG SIGNAL PROCESSOR) (LNA) (FRONT END CONV) (ACCESSORY FILTER) (AUDIO AMP) (DOCUMENTATION) EXTRA LNA BOARDS ARE \$5.50 EACH. THIS PROJECT HAS BILL KELSEY's PERMISSION	\$40.00
	STEVE WEBBER SSB2 RECEIVER BOARD http://kd1jv.grpradio.com/ssbrig2/SSB2.HTM	\$7.00
	BIAS REGULATOR BOARD BY N9PMO	\$5.00
	STEVE WEBBER AM SHORT WAVE BROADCAST RECEIVED (CLICK HERE)	\$7.00
	THE TT2 SURFACE MOUNT TRANSMITTER	\$5.00
73's Nov00	BUILD AN 80 METER FOX-FINDER RECEIVER BY JERRY BOYD	\$7.00
73's Feb99	A 40 METER RECEIVER BY THOMAS DUNCUN (2 BD SET)	\$14.50

73's Apr97	HALE-BOPP COMET AND ITS CONTROVERSIAL TALE, A COSMIC CRYSTAL SET RECEIVER BY TOM MILLER DISCONNUE	
73's Oct95	HIGH PERFORMANCE REGEN ARMSTRONG S/W RECEIVER BY CRIPE no stock	\$7.00
73's Mar/Apr95	PRACTICAL WEATHER SATELLITE RECEIVING SYSTEM BOARD	\$19.50
73's Oct94	(FIG. 15.17) DALTON TRAVELER MK-II RECEIVER, AVAILABLE ONLT BOARD with MC3362 IC	\$10.00
73's Jan94-Mar94	ROEHRIG PARTS 1, 2, &3 WWVB FREQUENCY STANDARD (6 BD SET)	\$21.50
73's Aug92	EXPLORER RECEIVER	\$5.50
73's Mar92	40/80 METER WAVE RYDER	\$6.00
73's Dec91	VLF SPACE SHUTTLE INSPIRE RECEIVER	\$8.50
73's Oct91	SUDDEN Rx G3RJV NO stock	\$6.00
73's Apr91	SIMPLE SUPERX RECEIVER	\$5.50
73's Nov90	GOOF PROOF REGENERATIVE RECEIVER	\$5.00
73's Nov90	THE SMOKE DETECTOR RECEIVER	\$4.50
73's Feb88	MICRO-20 RECEIVER	\$5.25
ARRL QRP CLASSICS	BAND-IMAGING CW RECEIVER 5 BD SET (HB CH30)	\$25.00
ARRL QRP CLASSICS	THE NEOPHYTE 40 METER RECEIVER USING NE602'S also (QST 12/88)	\$7.00
ARRL QRP CLASSICS	FOUR STAGE 75M SSB SUPERHET (QST 5/89)	\$5.50
ARRL HANDBOOK 92 CHP30	A HIGH PERFORMANCE COMMUNICATION RCVR BY W7ZOI/K5IRK (9 BD SET)	\$38.00
ARRL HB CHP30	BAND IMAGING CW RECEIVER FOR 10 AND 18 MHZ 5 BOARD SET	\$18.00
ARRL W1FB QRP NOTEBOOK 1991	160 M. RECEIVER (FIG. 3-31)	\$8.25
ARRL W1FB QRP NOTEBOOK 1991	UNIVERSAL DIR-CON RECEIVER (FIG. 3-28)	\$7.00
ARRL W1FB QRP NOTEBOOK 1991	UNIVERSAL SUPERHET RECEIVER (FIG 6-9)	\$14.00
QRP QUARTERLY WINTER 2011	DALTON SESE80 80M SSB RECEIVER, KIT (Click here)P C BOARD ONLY \$7.00 DISCONNTINUED	\$50.00
COMM. QUARTERLY Fall96	IF SYSTEM AND 80 db LOG AMP BY BERTINI	\$7.00
COMM. QUARTERLY Winter94	JOE CARR VLF RECEIVER	\$7.00

COMM. QUARTERLY Spring94	GYRATOR 2 VLF RECEIVER REPLACED WITH GRYATOR 3 SEE BELOW	8.00
CQ FEB'10	HIGH PERFORMANCE HF REGEN RECEIVER BY KITCHIN 2 BOARD SET	\$8.00
CQ Oct05	GRX-1 RECEIVER BY JAMES GRAVES DISCONTINUED	
CQ Apr96	LOW COST RECEIVER FROM AM TRANSISTOR RADIO BY DEAN 3 BD SET	\$8.50
CQ Apr94	MICROPOWER VHF RECEIVER USING SL6659	\$5.50
EDN Sep25,1997	SINGLE CHIP AIRCRAFT RECEIVER USING AN NE605 BY STEVE HAGEMAN	\$5.00
ELECTRONICS NOW Feb97	NE602 BREADBOARD FOR BUILDING UP YOUR FAVORITE NE602 CIRCUIT by Carr	\$5.50
HAMBREW Spr94	IMPROVED NEOPHYTE RECEIVER FOR 40 METERS BY K6EIL USING NE602 IC'S	\$7.00
NUTS AND VOLTS	VHF REC 4 BD SET http://www.nutsvolts.com/toc_Pages/TOC_Related_Info/0707/VHFrctr.php	\$14.00
PE Mar94	NINE BAND SHORTWAVE REGENERATIVE RECEIVER BY WILLIAMS	\$15.00
PE FEB. 95	AAVSO RECEIVER BY CARR	\$7.00
PE Jan95	A SIMPLE 10MHZ WWV RECEIVER BY MCKEAN CLICK HERE FOR MORE INFO	\$7.00
PE Mar94	9 BAND SW REGEN RECEIVER DISCONTINUED	
QEX Sep/Oct00	SUPER REGEN VHF AND UHF RECEIVER	\$9.00
QRPP Summer97	MRX-40 RECEIVER BY STEVE BORNSTEIN	\$4. 50
QRPP	NORCAL HEARING AID 5 RECEIVER BY VK1FB	\$8.50
QST Feb10	WSPR RECEIVER FOR 30 METERS BY ZL4SA	\$8.00
QST Aug01	THE WBR RECEIVER BY DAN WISELL	\$4.50
QST Mar01	SIMPLE TRF RECEIVER FOR TRACKING RFI BY HYPERLINK "http://www.farcircuits.net/receiver2.htm" LITTLEFIELD	\$4.50
QST Sep00	KITCHIN SIMPLE REGEN RADIO FOR BEGINNERS (ARRL HANDBOOK 05) ALSO BILLERICA AMATEUR RADIO SOCIETY A SHORT WAVE REGENERATIVE RECEIVER BY KITCHIN, SAME AS IN QST 00 BUT HAS ONE ADDITIONAL AMP STAGE ALSO JUST \$6.00 EACH	\$6.00
QST May00	IMPROVING THE HAMTRONICS R139 VHF WEATHER-SATELLITE RECEIVER INTERFACE BY J KOCIS	\$5.50
QST Feb99	A SYNTHESIZED 2-METER FM RECEIVER WITH PC CONTROL BY STEVE HAGEMAN MINI-KIT INCLUDES P C BOARD, MC13135, MC145170, 10 MHZ CRYSTAL, AND LM386	\$35.00
QST May96	HIGH PERFORMANCE AGC/IF SUBSYSTEM (FOX TANGO) BY CARVER COMPONENT OVERLAY	\$19.50
QST Aug95	ROCK BENDING RECEIVER FOR 7 MHZ BY HENDERSON	\$6.00
QST Aug92	HIGH PERFORMANCE DIRECT CONV. REC.R1 BY KK7B QST 4 93 R2 AVAILABLE FOR \$11.00 EA THESE ARE NOT THE MICRO RECEIVERS. ONLY THE R2 AND T2 ARE	\$5.50

	AVAILABLE	
QST Jun92	UGLY WEEKENDER RECEIVER BD	\$7.00
QST May89	FOUR STAGE 75M SSB SUPERHET RECEIVER	\$5.50
QST Feb89	TRANSISTOR AM RADIOS AS HAM RECEIVERS (2 BDSET)	\$4.50
QST Sep86	THE SIMPLReceiver (2 BD SET)	\$5.75
QST June 82	BARE BONES RECEIVER	\$7.00
QST Nov81	PROGRESSIVE COMMUNICATION RECEIVER BY W7ZOI/K5IRK SEE THE PROGRESS RECEIVER 9 BOARD SET ABOVE FROM CHP 30 OF THE ARRL HANDBOOK	\$35.00
	HEINECK DGPS RECEIVER PC BOARD WITH MC145157P2 PLL IC	\$13.50
	ONETRANSISTOR RADIO BYMITZhttp://www.somerset.net/arm/fm_only_one_transistor_radio.html	\$5.50
	PHILIPS Aug 97 APPLICATION NOTE AN1993 FOR SA602 AND SA604	\$8.00
	GYRATOR 3 GYRATOR III VLF RECEIVER WITH DI FILIPPO MODIFICATIONS	\$7.50
	GreenVLF 8-16-08 rev board	\$6.00

RECEIVER PREAMPLIFIERS

Publication	Reference Article	Board Price
K9AY LOOP ANTENNA KIT	K9AY LOOP RECEIVER PREAMP (CLICK SCHEMATIC), (PARTS LIST),(PARTS PLACEMENT)	\$48.00
	RECEIVER BANDPASS FILTER AND MMIC AMP KIT, SEE(PARTSLIST)(COMP PLACEMENT)(PARTS PLACEMENT)(EYELET PLACEMENT), (CHIP PARTS LOCATIONS) DISCONTINUED	\$80.00
73's Nov95	GENERAL PURPOSE 1 TO 1000 MHZ WIDE BAND AMPLIFIER BY DAVE MILLER	\$4.50
73's Jul95	LOW NOISE 1691 MHZ LNA AMP USING MAAM12032 IC'S BY KOCSIS (ON .031"TEFLON)	\$9.00
73's Dec94	CARRS CORNER SINGLE BAND HF PREAMP	\$5.75
73's Oct94	CARR'S SIMPLE BAND-PASS FILTER FOR RECEIVERS	\$5.25
73 s Dec 93	REMOTE TUNED ACTIVE ANTENNA/CORNELL (2 BD SET)	\$5.50
73's Mar92	GaAsFET PREAMP SEQUENCER	\$5.00
ARRL HB CHP32 FIG 81	LOW NOISE PREAMPS 2304MHZ (ON G-10)	\$6.00
ARRL HB CHP32 FIG 81	LOW NOISE PREAMPS 3456MHZ (ON G-10)	\$6.00
ARRL HB CHP32 FIG 81	LOW NOISE PREAMP 5760MHZ (ON G-10)	\$4.50
ARRL HB CHP32 FIG 81	LOW NOISE PREAMPS 10GHZ (ON G-10)	\$4.50

ARRL HB CHP32 FIG 81	LOW NOISE PREAMPS 10GHZ ATF (ON G-10)	\$4.50
ARRL HB CHP32 FIG 1	432-435 GaAsFET PREAMP,70CM, 15db, .55dbNF(CLICK FOR UPDATE)	\$6.00
ARRL QRP CLASSICS	VARIABLE-NOTCH FILTERS FOR RECEIVERS (QST 1/85)	\$5.00
ARRL QRP CLASSICS	BROADBAND AND NARROW BAND AMPLIFIERS (QST 4/84)	\$5.00
ARRL W1FB DESIGN NOTEBK FIG 5-20	80/160 METER AMPLIFIER (QST 8/88)	\$5.00
COMM. QUARTERLY Fall94	SYNCHRONOUS DETECTOR	\$6.25
CQ Feb97	BEVERAGE ANTENNA SWITCH USING THREE REED RELAYS BY GARY NICHOLS KD9SV	\$4.50
HAMBREW Spring94	IMPROVED NEOPHYTE	\$7.00
HR Oct89	160M VARIABLE GAIN PREAMP	\$5.75
LOW &MEDIUM RADIO FREQ SCRAP BOOK 9th ED	CORNELL REGEN RECEIVER PREAMP	\$5.50
LOWDOWN JOURNAL	RECEIVER VARACTOR CONTROLLED PREAMP BY CORNELL	\$5.25
NUTS and VOLTS Feb99	A UNIVERSAL IF AMPLIFIER BY JOE CARR	\$5.50
POPULAR ELECTRONICS Dec95	CARR MMIC PREAMP USING MAR-6 IC	\$5.00
POPULAR ELECTRONICS Apr95	AM BROADCAST BAND PRESELECTOR BY J. CARR	\$7.00
QEX Jul/Aug 04	DOUBLY BALANCED H MODE MIXER FOR HF BY IK4AUY http://xoomer.virgilio.it/sergiocartoceti/article_7.htm	\$7.50
QEX Jun04	GENERAL PURPOSE 100KHZ TO 2 GHZ LOW NOISE PREAMP BY AA8C	\$16.50
QST FEB 18	QST 2-18 WWA WWB RECEIVER FOR COUNTERS TWO BOARD , Not available	\$9.50
QST JAN07	SIMPLE ADD-ON RF STAGE FOR REGENATIVE RECEIVERS BY N1TEV INCLUDES RFC COIL	\$6.00
QST JUNE 06	EFFECTIVE 180 M RECEIVING LOOP PREAMP USING 2 J310 FET'S <u>THE WD8DSB ACTIVE LF ONLY THE AMOLIFIER BOARD</u>	\$9.00
QST Sep01	AMRAD ACTIVE ANTENNA BY GENTGES (2 BD SET)	\$9.50
QST Nov97	MMIC PREAMP USING AN MAR-6 BY BILLPARMLEY	\$5.00

QST Jul94	MICHAELS NULL STEERER AMP	\$5.00
QST Aug88	160M 80M PREAMPLIFIER	\$5.00
RADIO FUN MAGAZINE Aug93	CORNELL WIDE BAND RECEIVER AMPLIFIER	\$8.00
K9AY LOOP ANTENNA KIT	K9AY LOOP ANTENNA KIT CLICK(HERE FOR MORE DETAILS)	\$48.00
	HYCAS IF AMP by Wes Hayward and Jeff Damm	\$9.00

REPEATER CONTROLLER & STATION ACCESSORIES

Publication	Reference Article	Board Price
	CCD , BOARDS FOR DAVE KELLEY ANTENNA www.ccdantennas.com 28 BOARDS. \$.65 each or \$19.50 for 30 peices	
	W6QZ DUPLES FILTER	\$4.00
	Harris RF-382A remote controller INTERFACE BOARD(CLICK HERE)	\$5.50
432 EME NEWSLETTER	AZ AND EL LINEAR QUADRATURE ENCODER INTERFACE BY DARRELL WOODS VE1ALQ (no longer available)	\$14.50
	EL10A121 AND EL10A122 BY JOHN KIETH USED IN THE EL 10A-1 400 WATT ELECTRONIC LOAD TWO BD SET <i>see</i> http://www.bwcelectronics.com/projects/EL10A190.PDF	\$9.80
73's Sep99	PORTABLE 2 METER J-POLE ANTENNA BY WA8TXT	\$5.00
73's Jun97	MAXIMIZE YOUR TRANSCEIVER'S TUNING RANGE, ADDED COMPUTER CONTROL TO THE RAMSEY FX UNITS	\$5.50
73's Feb97	ELEGANT ROTATING CONTROLLER W/ENHANCED BEAM AIMING CIRCUIT (BOTH AIMING AND PS PC BOARDS)	\$19.50
73's Nov95	A SIMPLE AC POWER LINE WATTMETER BY ED MILLER	\$5.00
73's Jan95	PTT CONTROL FROM REC. AUDIO BY KB8XI	\$5.50
73'S Sep95	TUNER HELPER (2 BOARD SET)	\$9.00
73's Oct94	VERONESE QUICK AND CHEAP TENNER	\$4.25
73's Oct94	QRP COLUMN BRYCE QSK T/R MODULE	\$8.75
73's Nov93	NEELEY VOX MOBILE EXTENDER	\$8.50
73's Oct93	UNIVERSAL AUTOMATIC MINIMUM POWER CONTROL FOR AMTOR (2 BD SET)	\$6.25
73's Sep93	ADD REMOTE BASE CAPABILITY	\$5.50

73's Feb91	QRP COLUMN STATION T/R CONTROLLER	\$7.50
73's Feb91	ATV COLUMN TEN MINUTE ID TIMER	\$4.50
73's Sep90	VISUAL CW OFFSET INDICATOR	\$4.50
73's Jan84	PIGGY BANK REPEATER PROJECT	\$7.00
73's Jul79	TENNAMATIC ROTOR CONTROLL DISCONNUNED	
AMSAT JOURNAL Nov/Dec '97	MICRO-DUPLEXER BY CHUCK DUEY (ON G-10) DUPLES W6ZQ	\$3.50
AMSAT JOURNAL Nov/Dec '97	MICRO-DUPLEXER BY CHUCK DUEY (ON TEFLON) DUPLEX	\$6.00
AMSAT JOURNAL JULY '06	SATELITE TRACKER INTERFACE FOR G-5500, G-5400, NOVA, SatPC32 BY WA8SME INCLUDES PROGRAMMED PIC AND BOARD CLICK HEREFOR MORE INFO	\$19.00
ARRL HB 2002 CHP 22	SIMPLE 10 MINUTE TIMER BY WD0O (QST 11/93) USES 555 AND 4017 IC's	\$5.00
ARRL HB 2002 CHP 22	INTERFACE HIGH VOLTAGE EQUIPMENT TO SOLID STATE ACCESSORIES.	\$5.00
ARRL HB 2010 CHP 24	CHP 24.1 SWR LED READ OUT FOR 100 W COMPACT Z TUNER (CLICK FORDETAILS)	\$8.00
ARRL W1FB QRP NOTEBOOK 1991	DSB GENERATOR (FIG. 4-22)	\$5.50
ARRL W1FB QRP NOTEBOOK 1991	QSK TR SWITCH (FIG. 4-24)	\$5.00
ARRL W1FB QRP NOTEBOOK 1991	BREAK-IN DELAY TR SWITCH (FIG. 4-26)	\$5.00
COMM QUARTERLY Winter 1999	SQUELCH FOR THE MFJ-9406 BY RICH LITTLEFIELD	\$5.00
COMM. QUARTERLY Fall 1991	COMPUTER BASE MONITOR	\$5.00
CQ Feb97	BEVERAGE ANTENNA SWITCH using three reed relays BY W1FB	\$5.50
CQ Feb92	THE CNT-1 SIMPLE QRP TRANSMITTER CONTROLLER BY PAT BUNN	\$6.00
CQ Jan91	AUTO BEAM-AIMER HD-73 ANTENNA ROTATOR (INCLUDES PART PLACEMENT OVERLAY)	\$9.00
ELECTRONICS NOW Oct98	ELECTRONIC WEATHER VANE WIND DIRECTION INDICATOR	\$6.00
EME NEWS LETTER	VE1ALQ CONTROLLER BD	\$14.50
FUN RADIO MAGAZINE Oct 91	10 MINUTE ID REMINDER	\$5.50
MONITORING TIMES Jan 97	THREE ANTENNA SWITCH SELECTOR SWITCH BY W1FB	\$5.00

NCJ May/Jun 95	AUTOMATICALLY SWITCHED RECEIVER BAND BASS FILTER BY BROCK-FISHER	\$12.50
NCJ May/Jun 95	RADIOFUN 9 MINUTE TIMER (SOFTWARE FOR THE PROJECT IS AVAILABLE FROM THE ARRL BULLETIN BOARD)	\$5.00
PE Dec 71	DISTORTIONLESS AUDIO COMPRESSOR BY CARINGELLA	\$6.00
QEX Nov/Dec 01	TWO-METER REFLECTIVE SP4T PIN DIODE SWITCH	\$7.75
QEX Sep/Oct 00	NARROW BAND-PASS FILTER FOR HF BY WILLIAM SABIN	\$5.50
QEX Jul/Aug 99	DIPLEXER FILTERS FOR AN HF MOSFET POWER AMPLIFIER BY WILLIAM SABIN (6 FILTERS ON 1 PC BOARD \$30.00)	6 BD SET \$30.00 OR \$8.50 EACH
QEX Sep/Oct 98	REMOTE BANDSWITCH FOR THE "BUGCATCHER" ANTENNA RELAY BOARD BY PAUL PROTAS	\$6.50
QEX Jan/Feb 99	A PAIR OF 3CX800s FOR 6 METERS, THE CONTROL BOARD BY HANSEN	\$6.50
QEX May/Jun 87	KR500A (TWO BOARD SET)	\$15.50
QRp	NORCAL ST LOUIS TUNER BOARD	\$5.50
QRp Jun 96	DFD-5 SIMPLE DIGITAL FREQ DISPLAY BY VE7QK TO BE USED WITH THE EPIPHYTE-2	\$7.00
QST NOV 2019	Automatic antenna selection for remote controled station by John Hill, Three board set, all are single sided, no jumpers, solder coated and parts placement, \$6 for the set	\$6.00
QST APR 2017	BLUETOOTH INTERFACE WITH R CHANNEL PTT BY JIM COOK W8WKE	\$5.00
QST FEB 2012	RELAY BASED FULL BREAK-IN TR SWITCH FOR VINTAGE STATIONS BY AD5X	\$5.50
QST JUL 2014	IMPROVING THE S METER FOR THE COLLINS S LINE	\$6.00
QST NOV'12	TAGGERT BOAT ANCHOR BUDDY	\$7.00
QST NOV'12	KIT FOR INTERNAL BREAK-IN KEYING FOR ALS AMP CLICK HERE	\$12.00
QST Oct .09	SIMPLE MOBILE TRANSCEIVER PROTECTION by N8WLC (CLICK HERE)	\$4.50
QST Feb'10	ALAN BLOOM FAN CONTROL MFJ-4125 INCLUDES , MCP9701, 2N3904 AND TIP29.	\$8.50
QST Jun 09	HOMEBREW RADIO TELESCOPE BY MARK SPENCER (click to view top) (click to viewbottom) KIT	21.00
QST Feb'07	A SIMPLE BLUETOOTH RADIO INTERFACE BY KU7Q 4 BOARD SET (DISCONTINUED)	
QST JAN07	RF ACTIVATED TIMER	\$5.00
QST Jul 06	THREE POSITIONS REMOTE COAX SWITCH BY K5DVW TWO BOARD SET	\$18.00
QST Sept 05	SATELITE TRACKING INFERFACE BY WA8SME	\$7.00
QST Apr 05	LOW COST REMOTE ANTENNA SWITCH BY KO4NR, 8.00" BY 2.75" P C BOAR HYPERLINK "http://www.farcircuits.net/antsw.pdf" HYPERLINK "http://www.farcircuits.net/antsw.pdf" HYPERLINK "http://www.farcircuits.net/antsw.pdf" Board completely assemplied and tested, set to active low control, you add the rf connector and case.	\$42.00
	SWITCH CONTROL BOARD FOR QST 4/05 6 POSITION ANTENNA SWITCH (CLICK	\$7.00

	DETAILS)	
	ANTWNNNA SWITCH CONTROL KIT(DETAILS CLICK HERE)	\$34.00
QST Oct 04	HINTS AND KINKS KENWOOD TS850 BATTERY REPLACE HOLDER, INCLUDES P C BOARD, BATTERY HOLDER AND TAPE	\$4.50
QST Aug 04	RF DRIVER ON-AIR INDICATOR BY KB9STR, THIS BOARD IS FOR THE RF SENSING CURCUIT SHOWN IN FIG 1 OF THEARTICLE	\$5.00
QST Jun 03	AFFORDABLE Az-EI POSITIONER FOR SMALL ANTENNAS the FODTRACK BOARD	\$5.50
QST Nov 02	ROTOMAPIC BY K7NTW	\$7.00
QST Jun 01	SPOT GRABBER BY JORGE ; Includes PIC,MAX232&BOARD (See Description for Individual Pricing)	\$21.50
QST May 00	AUTOMATIC AMPLIFIERSELECTION FOR THE ICOM IC746, 736, AND706MKIITRANSCEIVERS BY PAUL HEWITT	\$5.5
QST Dec 99	DIRECT FREQUENCY ENTRY KEYPAD FOR ICOM TRANSCEIVERS BYJOHNHANSEN	\$5.50
QST Dec 99	A PSK31 TUNING AID BY DON URBYTES	\$6.50
QST May 98	REMOTE BASE STATION CONTROLLER USING THE BASIC STAMP BY HANSEN	\$6.00
QST Jan 98	A PIC OF AN IDer BY BOB ANDING	\$5.00
QST Mar 97	ATL-10 ANTENNA TUNER FOR 160 THRU 30M BY AGSTEN	\$9.50
QST Mar 97	RELATIVE INDICATION AUDIBLE METER READER BYMCCOSKEY	\$5.00
QST Jan 97	RADIO MAILBOX, DTMF ACTIVATED VOICE RECORDING SYSTEM FOR YOUR RADIO BY WA2ANG DISCONTINUED	\$13.50
QST Nov 95	DISPLAY FOR KENWOOD MF/HF RADIOS BY BIENVENU	\$5.50
QST Feb 96	ROTOR PAL ROTOR CONTROLLER	\$7.00
QST Sep 95	AUTOMATIC REMOTE ANTENNA TUNING CONTROLLER BY MANDELKERN	\$7.00
QST Jun/Jul 95	VOICE-TRACK, MULTIFUNCTIONAL TALKING REPEATER CONTROLLER	\$31.00
QST JUN94	SCRA FIELD FILTER BY N1AL	\$12.00
QST Apr 93	A REMOTELYCONTROLLED ANTENNA SWITCH BY KG7SG (ALSO 2000 HYPERLINK "http://www.farcircuits.net/control2.htm" HANDBOOK PAGE 22.41) Allembled and tested, Just add the RF conectors and case	\$42.00
QST Oct 92	AUDIO NOISE VOTER	\$7.00
QST Aug 88	A VERSATILE TIMER/CONTROLLER	\$5.00
QST Jul 88	A SIMPLE TUNING INDICATOR	\$11.00
	SHOEMAKER COR/AUDIO BOARD	\$7.00
	FODTRACK P C BOARD	\$5.50
	HEATHKIT SBA-104-1 P C BOARD NOISE BLANKER	\$8.00

RF AMPLIFIERS

Publication	Reference Article	Board Price
	HEATHKIT SB1000/HK1000 REPLACEMENT BOARDS 4 BOARD SET	36.00\$
	WALT MAXWELL #410 KEYING INTERFACE #410	\$5.50
	TOM SOWDEN HIGH POWER HARMONIC FILTER \$35.00, 6 BANDS, USES 30 CORES, (BOARD CLICK HERE), (VALUES FOR FILTER CLICK HERE), INCLUDED ARE THE CHIP CAPS FOR UNDER THE RELAYS AND THE BIRD TERMINAL. RELAYS AVAILABLE FOR \$5.00 EACH	\$35.00
	SM0VPO 10HF AMPLIFIER info on FAR DVD	\$6.00
	OZ1PIF 50 MHZ 250 WATT POWER AMPLIFIER MODUSE, TWO BOARD SET TWO SETS ARE REQUIRED FOR 500 WATT AMP.	\$16.00
73's May82	THE FUN AMP	\$5.50
73's Oct90	MOUSE-FET 40 WATT CW AMPLIFIER (DOUBLE SIDED PCB)	\$7.75
73's Nov91	A SIMPLE 10 METER SIDE BAND AMPLIFIER Discontinued	0
73's Oct92	2 METER FET POWER AMP	\$7.00
73's May93	AN EVERYTHING AMPLIFIER (200W OUTPUT TO 200MHZ) (2 BOARD SET)	\$8.00
73's Nov93	FARA 25W 2M AMPLIFIER	\$10.00
ARRL HB CHP 17.88	BROADBAND HF AMP, USING IFR510's, 1W IN 40W OUT (TWOBOARDHYPERLINK "http://www.farcircuits.net/rfpa2.htm"SE ET) http://www.golddredgervideo.com/kc0wox/wa2ebyamp/ , must see this site, IFR510 AVAILABEL FOR \$2.00 EACH	\$19.50 Set
ARRL HB 95	1500 WATT LINEAR AMPLIFIER (2 BOARD SET - ALC BD AND CONTROL BD) (CHP 30 FIG 70 AND 71, FIG 13.39A)	\$9.00
ARRL HB CHP 23	23CM 10W AMPLIFIER USING M57762 HYBRID MODULE BY K9EK	\$9.00
ARRL HB CHP31 FIG 96	2 KW AMPLIFIER FOR 50-54 MHZ	\$7.00
ARRL HB CHP31 FIG 106	MEDIUM POWER 144 MHZ AMPLIFIER (2BD SET) CONSIST OF SCREEN AND POWER SUPPLY BOARDS	\$12.50
ARRL HB 93-92 CHP32 FIG 6	70CM PREAMPLIFIER	\$7.00
ARRL HB CHP32 FIG 69	1296 MHZ 3W (10DB) MMIC RF POWER AMPLIFIER	\$4.50
ARRL HB CHP32 FIG 74	NE41620 80MW AMPLIFIER	\$7.00
ARRL HB 92-93 CHP32 FIG 69	1296 POWER AMPLIFIER (CHP32 FIG.78 (88-91)) (2 BD SET)	\$5.25
ARRL HB PG 13.50	2 METER RF AMP, USING TOSHIBA S-AV7 FOR 25W OR S-VA17 FOR 50W OUTPUT	\$9.00

ARRL QRP CLASSICS	PUTTING THE BOOTS TO YOUR HW-8 QRT TRANSCEIVER (QST 4/79) (2 BOARD SET - AMP BD AND FILTER BD)	\$16.50
ARRL W1FB QRP NOTEBOOK 1991	5 W QRP AMP (FIG. 4-19)	\$5.50
CQ Mar97	6 METER 60 WATT AMP BY W1FB USING TWO MRF137 FETS WITH 10DB GAIN	\$11.00
CQ Jan96	25 WATT LINEAR HF AMPLIFIER BY W1FB USING MRF475	\$7.00
G-QRP SUMMER 05	15- 20 WATT LINEAR HF AMP, BY G4COE, 45DB GAIN	\$10.00
HEATHKIT	HEATHKIT SB200 POS/NEG STEP START	\$7.50
HR Nov88	1296 MHZ LOWNOISE 3 WATT OUTPUT FOR 10MW INPUT POWER AMPLIFIER USING NEC70083 MODULE ON FR-4 MATERIAL	\$9.50
HR Nov88	129beamHZ LOWNOISE 3 WATT OUTPUT FOR 10MW INPUT POWER AMPLIFIER USING NEC70083 MODULE ON TEFLON MATERIAL	\$16.50
HR Feb85	150 WATT AMPLIFIER (2 BD SET) (FIG 7B AND FIG 7C)	\$17.75
MOTOROLA ENGINEERING BULLETIN EB-18A	UHF 45 WATT RF AMPLIFIER USING MHW709 AND MRF644 \$9.50	\$9.50
MOTOROLA APP NOTE AN-762	LINEAR AMP FOR MOBILES	\$16.50
MOTOROLA APP NOTE AN-779	1.6 TO 30 MHZ SSB DRIVER HOG-9A	\$8.50
MOTOROLA APP NOTE AN-779	1.6 TO 30 MHZ SSB DRIVER HOG-11A	\$12.25
MOTOROLA APP NOTE AN-791	VHF POWER AMPLIFIER,75 W OUTPUT,10dB GAIN , CLASS AB FOR SSB, ATV, OR FM USING MRF247	\$8.50
NORTH TEXAS MICROWAVE SOCIETY	1296 POST AMP FOR NO-TUNE TRANSVERTER BY GREG McINTIRE	\$9.00
QEX Jan04	RF AMPLIFIER 200 WATT POWER AMPLIFIER	\$8.00
QEX Nov/Dec99	A 100 WATT MOSFET HF AMPLIFIER BY WILLIAM SABIN; 7 BOARD SET	\$13.50 SET
QEX May/Jun99	A 300 W MOSFET LINEAR AMP FOR 50MHZ BY R. FREY	\$12.50
QEX Jan/Feb99	A PAIR OF 3CX800s FOR 6 METERS, THE CONTROL BOARD BY HANSEN	\$6.50
QEX Mar93	432 NO TUNE AMP USING MAV-11 AND MRF559, -10DBM INPUT TO +17DBM OUTPUT	\$10.00
QEX Jun88	SOLID STATE LINEAR AMP FOR 33 CM	\$7.00
QST JUN 07	SOLID STATE 600 W HF AMP, THE EXTENDED HOG 14A FOR MRF150	\$19.50
QST DEC '05	SUPERPACKER HF AMPLIFIER BY ANDY MITZ AND JON GOTTIEB SEEDESCRIPTION	\$48.00
QST Jun03	FARA HFAMP PROJECT 2 BD SET	\$18.00
QST Feb94	BREED PA AND FILTERS (SPECIFY 25 W OR 50W PA) PA BD	\$5.50

QST Feb94	BREED PA AND FILTERS (SPECIFY 25 W OR 50W PA) FILTER BD	\$7.75
QST Oct90	COMPACT BRICK 100WAMPLIFIER FOR 6 METERS USING MRF492 NO STOCK	\$17.50
QST Jun90	903 MHZ LINEAR AMPLIFIERS: 10MW SD1330 AMP (FIG 3)	\$4.50
QST Jun90	903 MHZ LINEAR AMPLIFIERS: 2X SD1598 AMP (FIG 12)	\$6.25
QST Jun90	903 MHZ LINEAR AMPLIFIERS: 100-250MW AMP (FIG 5)	\$4.50
QST Jun90	903 MHZ LINEAR AMPLIFIERS: 1 WATT SD 1598 AMP (FIG. 17)	\$7.00
QST Jul90	2 WATT 903 MHZ SD1853 AMPLIFIER	\$5.50
QST Apr89	POWER FET AS RF AMP, 12W BD	\$9.50
QST Apr89	POWER FET AS RF AMP, 25W BD (ARRL W1FB DESIGN NOTEBOOK FIG 6-9)	\$12.25
QST Aug88	25 WATTLINEAR AMPLIFIER FOR 144MHZ	\$13.50
QST Aug88	25 WATT LINEAR AMPLIFIER FOR 220MHZ	\$13.50
RF Micro DEVICES	RF2163 3V 2.5 LINEAR AMPLIFIER BOARD	\$6.00
RF Micro DEVICES	FTHOMAS FATTARUSO126 1W OUT POWER LINEAR AMPLIFIER AMP BOARD AND RF2126 IC	\$14.00
	DENTRON GLA-1000B REPLACEMENT BOARDS FOR THE AMPTHREE BOARD SET	\$25.00
	DENTRON GLA-1000B TUNED INPUT BOARDONLY with plated through holes and legend on the board	\$9.00
	TED LEE GL1000 G17BSINGLE TUBE CONVERSION (2 BOARD SET)	\$14.50
	W4ZT TUNED INPUT BOARD information on the DVD 6 band 10 thru 80 Relays \$5.00 ea 12 v DC	\$7.00
	W4ZT TUNED INPUT BOARD information on the DVD 7 band 10 thru 160 Relays 12VDC \$5.00 ea. Also available in 8 band configuration \$9.00	\$9.00

TEST EQUIPMENT & GENERAL MEASURING INSTRUMENTS

Mr	Carlson's Capacitor Leakage Tester PCB	\$6.00
	Eletromics—Lab.com Simple LC Meter Version 2	\$5.00
	VK3 HBH LCM METER BOARD PROGRAMMED PIC \$10.00	
	RJ45 TO RJ45 BREAD BOARD KIT, INCLUDED PC BOARD AND THE TWO RJ45 JACKS (CLICK HERE)	\$11.00
	PULSE TUNING FOR SSB BY AG6K TUNNING PULSER FOR SSB RADIOS Board for transistor radios, one Kit left OF PARTS AND BOARD	\$15.00
	HP141T SPECTRUMANALYZER to PC INTERFACE (CLICK HERE)	\$5.00

	TOMI ENGAHI TDR TIME DOMAIN REFLECTOMETER KIT SEE BOARD (CLICK HERE)DETAILS AT WWW.EPANORAMANET/CIECUITS/DTR/HTML (PICTURE 1)(PICTURE2)	\$10.00
	RJ45 TO RJ45 BREAD BOARD KIT, INCLUDED PC BOARD AND THE TWO RJ45 JACKS (CLICK HERE)	\$10.00
73's Nov00	ADD ON DIGITAL VOLTMETER BY JAMES ELKINS (Two Board Set)	\$7.00 per s
73's Jan00	JUNK BOX AUDIO TEST GENERATOR BY SELLEN	\$8.00
73's Dec97	HAM TO HAM COLUMN BY DAVE MILLER "BEEPER SHOUT DETECTIVE"	\$5.25
73's Dec95	MILLIOHM ADAPTER FOR DMM BY KITCHENS	\$4.50
73's Nov95	GENERAL PURPOSE WIDE BAND AMP 50HZ TO 100 MHZ BY MILLER	\$4.50
73's Aug95	SIMPLE PRECISION VOLTAGE STANDARD USING AD586 IC BY KITCHENS	\$7.75
73's Jul94	CONSUGAR DELAY VIDEO TRIGGER FOR OSCILLOSCOPE	\$5.25
73's Jul93	DIRECT READING L METER	\$5.25
73's Jul93	DELUXE FUNCTION GENERATOR BY CRIPE	\$5.50
73's Jul93	ATV COLUMN GRAY SCALE GENERATOR	\$4.50
73's Aug93	FM PACKET DEVIATION METER	\$4.50
73's May92	QRP EXPANDED LED READOUT VOLTMETER	\$9.00
73's Mar92	PULSED CRYSTAL SOURCE	\$4.50
73's Feb92	NE-602 RF SIGNAL GENERATOR	\$5.50
73's Jan92	IMPROVED CRYSTAL TESTER WITH POWER SUPPLY BD (2 BD SET)	\$7.00
73's Jan92	FUNCTION GENERATOR	\$7.25
73's Jan92	DIRECT READING INDUCTANCE METER	\$3.50
73's May91	HANDY INDUCTANCE BRIDGE	\$4.50
73's Sep90	THE COIL TESTER	\$4.50
73's Feb90	SPECTRUM ANALYZER (TO CONVERT SCOPE)	\$4.50
73's Nov88	ALL ABOUT HENRY	\$5.25
73's Dec83	MAKE A GOOD L METER BETTER	\$7.00
ARRL W1FB QRP	Figure 4_19 GENERAL PURPOSE AMP	\$11.00
ARRL HBK 1995 CHP 25	LOW POWER STEP ATTENUATOR	\$9.00
ARRL HB CHP25 FIG.51 (88-91)	a & b two TONE GENERATOR (AND CHP25 FIG.39 (>93)) same circuits as in 2015 Handbook chp 25 page 41	\$7.00
ARRL HB (1988 ONLY) CHP25 FIG.43	DUAL GATE MOSFET DIPMETER	
ARRL HB	DIP METER WITH DIGITAL DISPLAY QEX Oct93 TWO BOARD SET	\$18.00

CHP 25.17		
ARRL HB CHP25 FIG.18	A DIGITAL IC MULTIMETER (QST Aug82)	\$12.00
ARRL HB (1988 ONLY) CHP25 FIG.18	AN IC VOLTMETER (QST Jan82)	\$4.00
ARRL HB CHP25 FIG.45	SIMPLE INDUCTANCE METER	\$7.00
ARRL HB 88-90 CHP29 FIG.15	AN RS232-C BREAKOUT BOX (CHP29 FIG.21)	\$21.50
ARRL HB 26	MEASURING L AND C WITH DVM SEPARATE BOARD FOR L AND C PRICE EACH	\$5.50
CIRCUIT CELLAR 10/04	SINGLE BOARD LOGIC ANALYZER BY CICCHINELLI	\$12.00
CQ Apr97	MULTI-PURPOSE BROADBAND AMPLIFIER FOR 1 TO 50 MHZ AND 1 WATT AMP BOARD (SET OF TWO BOARDS)	\$8.00
NUTS & VOLTS AUG08	AUDIO SPECTRUM SPECTRUM ANALYZER BY CICCHINELLI THREE BOARD SET.	\$19.00
NUTS & VOLTS OCT'07	NUTS AND VOLTS OCT '07, ANALOG MIXED AND MATCHED, A FOUR INPUT/OUTPUT DISTRIBUTION AMPLIFIER BY CICCHINELLI, THREE BOARD SET	\$18.00
HR May89	MICROFARAD COUNTER	\$3.00
HR Jul89	50 MHZ RF BRIDGE	\$5.50
HR Jul89	SIMPLE RF VOLTMETER	\$6.75
NEDA JOURNAL	G0JVU DEVIATION UNIT FAX X1 VERSION 2.0 PC BOARD	\$7.00
PE Feb90	AUDIO SWEEP/ BURST GENERATOR	\$9.00
POPTRONICS Jul01	IN-CIRCUITCAPACITANCE TESTER BY SMITH	\$5.00
QEX MAY/JUN 2017	OCTOPUS I/V CURVE TRACER TWO BD SET	\$8.00
QEX 11/10	RF Phase Meter "Nov 2010 - QEX (Pg. 25) two board set	\$12.00
QEX 7/8 2012	LINEAR SCALE MILLI V METER BY	7
QEX 9/10	2013 ESR METER BOARD BY W0PCE \$5.50	\$5.50
QEX OCT/NOV '13	FREQ. DEPENDENCE SERIES ESR MEASUREMENT bY W0PCE	\$5.50
QEX JUL/AUG 12	A LINEAR SCALE MILLIOHM ESR METER BY WHITESIDE	\$4.50
QEX NOV/DE'07	SAN2PC: SPECTRUM ANALYZER TO PC INTERFACE BY F2DC PC BOARD AND PROGRAMMED PIC AND MAX232 ICs SEE http://roland.cordesses.free.fr/san2pc.html	\$19.50
QEX Jul/Aug03	A PC-BASED DIGITAL STORAGE OSCILLOSCOPE AND LOGIC ANALYZER BY K3PTO (5 BOARD SET)	\$41.00 set
QEX Sep/Oct01	BUILD A SIMPLE HIGH RESOLUTION DC VOLTMETER 250 mhz SIGNAL	\$15.50

	<u>GENERATOR, 5 BOARD SET</u> BY TIPTON	
QEX Jan/Feb00	<u>HAGEMA</u> Nhttp://www.geocities.com/hagtronics/source/index.html DISCONTINUED	
QEX Jul95	TERMINATION IN-SENSITIVITY AMPLIFIER 2-100MHZ, 9.5 DB GAIN	\$6.50
QST NAR 21	TIME DOMAIN REFLECTOMETER TDR BY W0SJ kit of parts &board \$12.00	\$5.50
QST APR 14	ESR METER (<u>CLICK HERE FOR MODIFIED SCHEMATIC</u>)(<u>CLICK HEREFOR PCBOARD LAYOUT</u>)	\$6.00
QST JUN 12	SPICE BOTTLE LOGIC PROBE BY BLOOM	\$7.00
QST JAN12	TRANSISTOR TESTOR BY ALAN BLOOM (<u>CLICK HERE</u>)	\$5.00
QST Nov. 2011	FOUR TONE SSB TEST GENERATOR by AK4AA MINI KIT <u>CLICK FORDET; AILS</u> use Lm423N ic	\$15.00
QST QST Nov. 10 2011	INTERNAL FULL BREAK-IN KEYING INTERFACE FOR THE ALS-600 AMPLIFIER BY AD5X , KIT OF PARTS AND P C BOARD <u>details click here</u>	\$12.00
mx61QST NOV '10	EXPANDED SCALE VOLTEMETER FOR 120 OR 240 VAC BY K1SG, <u>CLICKHERE FORPICTURE OF BOARD</u>	\$4.50
QST NOV05	<u>LOW COST DDS FUNCTION GENERATOR BY RICHARDSON</u>	\$7.50
QST May03	<u>MODERN GDOGATE DIP OSCILLATOR BY N1AL</u>	\$4.50
QST Sep01sx	<u>THE DIGITAL METER SUPPLY BY MIKE BRYCE</u>	\$6.50
QST Mar00	<u>A SIMPLE METER TESTER BY STANLEY</u>	\$4.50
QST Dec99	<u>A PSK31 TUNING AID BY DON URBYTES</u>	\$6.50
QST Nov98	CHANNEL WATCH, MULTIPLE-FREQUENCY ACTIVITY MONITOR BY JOHN HANSEN	\$7.00
QST Oct98	<u>PICPROGRAMMER BY HANSEN</u>	\$4.50
QST Jan/Feb98	BUILD YOUR OWN NETWORK ANALYZER BY STEVE HAGEMAN. 4 BOARD SET Check http://www.sonic.net/~shageman/ for latest project updates	\$23.00
QST Mar97	A RELATIVE-INDICATION AUDIBLE METER READER BY McCLOSKEY	\$4.50
QST NOV 93	TWO TONE GENERATOR USING TWO TRANSISTOR OSCILLATORS	\$5.50
QST May 94	NOISE SOURCE BY SABIN (.5 TO 500 MHZ OR 1MHZ TO 2.5 GHZ)	\$4.25
QST Apr94	FUNCTION GENERATOR WITH FREQ COUNTER AND READOUT (2 BD	\$17.50
QST Aug93	DUAL RANGE AC VOLTAGE, CURRENT, FREQ MONITOR	\$9.00
QST May93	EXPANDED RANGE AC/ DC VOLTMETER (BOARD ONLY)	\$4.00
QST May93	EXPANDED RANGE AC/ DC VOLTMETER (BOARD AND MC3423P)	\$7.50
QST Dec92	EXPANDED RANGE ANALOG VOLTMETER	\$4.50
QST Jan90	CRYSTAL TESTER FOR F, Q, AND R BY W1FB	\$7.00

QST Jun89	MULTIPURPOSE INSTRUMENTATION AMP/TESTER	\$12.50
QST Dec87	RX NOISE BRIDGE (ARRL HB CHP25 FIG.74) (ALSO FIG.65.2)	\$5.75
QST Sep86	CAPACITOR METER	\$4.50
QST Aug82	DIGITAL IC VOLTMETER (ARRL HBCHP25 FIG.18)	\$12.00
	3.5 DIGIT DVM BY PETER KEIRLE (2) BOARD SET)	\$8.00
RADIO FUN MAGAZINE	VOLTSENTRY Apr92	\$5.50
	N0SS BROAD BAND HF NOISE GENERATOR FOR FILTER ALIGNMENT SEE AT http://home.earthlink.net/~n0ss/noise_source.pdf	\$4.50
	LOGIC ANALYZER BY L CICCHINELLI K3PTO SEE www.qsl.net/K3PTO	\$12.00

TR-7, HW-7, and HW-8 MODIFICATIONS

Publication	Reference Article	Board Price
By BOB ROLFNESS	TR7 extender cards, 3 ea 3 pin, 2 ea 4 pin, 2 EA 5 PIN, 4 EA 6 PIN, 2 EA 9 PIN. and two IC AND DIGITAL JUMPER BOARD (PICTURES)	\$35.00
PA1HFO	TR-7 DRAKE RENEWED MODIFICATIONS 4 BOARD SET	\$35
ARRL QRP CLASSICS	IMPROVING THE TRANSCEIVER (QST 4/88) SWR BOARD	\$3.50
ARRL QRP CLASSICS	IMPROVING THE HW-9 TRANSCEIVER (QST 4/88) AUDIO THUMP SUPPRESSOR BD	\$3.50
COMM. QUARTERLY	Summer92 TR-7 MODIFICATIONS (4 BOARD SET)	\$17.50
HR Aug87	BETTER FREQUENCY STABILITY FOR DRAKE TR7	\$8.00
QST Jul82	WARC AND LF ON THE TR-7 DRAKE AUX-7	\$7.00
QST Jan74	HW7 QRP MODS TWO BOARD SET BY W1FB	\$11.00

TRANSCEIVERS

Publication	Reference Article	Board Price
	BITX 20, 6 WATT SSB TRANSCEIVER FOR 14 MHZ BY VU2PEP www.phonestack.com/farhan/bitx.html three BD SET see http://www.golddredgervideo.com/bitx20/ for details, main board, ant relay bd, and RF Amp board	\$25.00
	STEVE WEBER 75M SIMPLE SSB TRANSCEIVER http://kd1jv.qrpradio.com/ssbrig/SSB.HTM	8.00

	THE SUFFOLK 144 MHZ TRANSVERTER (2 BOARD SET) TRANSCEIVER AND QRP LINEAR AMP BDS	\$20.50
73's Jul99	SENIOR SPIDER 5 QRP TRANSCEIVER FOR 80, 40, OR 30 METERS BY WA8TXT DISCONTINUED	\$13.50
73's Jan93	SP-1 TRANSCEIVER	\$8.00
73's Jun92	20M 8-W XCEIVER (COMPLETE 4BOARD SET)	\$14.50
73's Nov90	TTL TRANSCEIVER FOR 40 METERS BY WB0NQM	\$4.50
73's Apr90	10 GHZ FUN (2 BD SET)	\$8.50
73's Jun89	QRP CW TRANSCEIVER FOR 30 OR 40M (SINGLE SIDED)	\$10.50
73's Feb.'82	THE FUN MITER OSCILLATOR, ALSO IN , AND RF AMP	\$9.00
ARRLHB CHP30 FIG.2	THE QRP THREE-BANDER TRANSCEIVER (QST 10/89)	\$12.50
ARRL HB CHP30 FIG.33 & FIG.37	A PORTABLE QRP CW XCEIVER (QST 12/90 & 1/91) (2 BOARD SET)	\$14.50
ARRL HB 95 FIG 17.86	NN1G COMPACT SINGLE BAND TRANSCEIVER FOR 80-20 (2 BD SET)	\$10.00
ARRL HB CHP 32	2 MBPS 10 GHZ LINK LOGIC BOARD AND FRONT END AMPLIFIER	\$17.50
ARRL W1FB DESIGN NOTEBOOK FIG 6-15	1.5 W 40 METER CW TRANSCEIVER	\$8.00
COMM. QUARTERLY Winter98	THE "TEENY TWOER" AM TRANSCEIVER BY RICK LITTLEFIELD	\$13.50
COMM. QUARTERLY Winter98	NOR'EASTER 6METER AM TRANSCEIVER BY RICK LITTLEFIELD DISCONNUTINED	\$14.50
CQ Sep90	QRP-15 TRANSCEIVER	\$13.50
HR Jan89	K1BQT NE602 QRP CW 20M XCEIVER TWO BOARD SET	\$9.00
HR JUN87	K1BQT COMPACT 20 M CW TRANCEIVER COMPINED INTO A TWO BOARD SET	\$14.00
QEX Nov/Dec01	LASER TRANSCEIVER FOR THE ARRL 10GHz AND UP CONTEST	\$15.00
QRPp	NORCAL SIERRA TRANSCEIVER, MAIN BOARD , Band boards are still available	\$33.00 SET
QRPp	NORCAL SIERRA TRANSCEIVER, PLUG IN BAND BOARD ONLY	\$7.00 ea
QRPp Winter97	2N2222 40 METER TRANSCEIVER BY WEBER (2 BOARD SET) DISCONTEUED	\$15.50
QRPp Winter97	TIXIE 2 WITH TIC KEYS	\$6.00
QRPp Mar96	EPIPHYTE 2 A TRANSCEIVER BY VE7QK	\$8.00
QRPp Mar96	EPIPHYTE 2B WITH FILTER BOARD (2 BD SET)	\$10.00
QRPp Mar95	VE7ZM SSB (CALIFORNIA BOARD) TRANSCEIVER (2 BD SET) MAKE SURE YOU	\$13.50

	CAN GET THE PARTS	
QRPp Nov&Dec94	EPIPHYTE TRANSCEIVER REC BD	\$8.50
QRPp Nov&Dec94	EPIPHYTE TRANSCEIVER TRANSMITTER BD	\$6.00
QRPp Nov&Dec94	EPIPHYTE TRANSCEIVER VFO BD	\$5.75
QRPp Sep94	NW8020 5W TRANSCEIVER BY W6EMT	\$14.00
QST MAY08	TAK-40 Transceiver, FOUR board set} only one set left.	\$24.00
QST Dec 02	NO EXCUSES QRP 40 M TRANSCEIVER BY K8JWR	\$13.50
QST Nov94	SINGLE BOARD SUPERHET QRP TRANSCEIVER 40M OR 30 M BY n----- (OVERLAYSCLICK HERE)	\$7.00
QST Jun92/Mar95	UGLY WEEKENDER II (COMPLETE 3 BD SET)	\$12.50
QST Feb91	BP80 TRANSCEIVER (COMPLETE 4 BD SET)	\$31.00
QST Jan90	A SIMPLE 220 FM TRANSVERTER	\$9.75
	QRP2004 TRANSCEIVER 8 BOARD SET DISCONTINUED	

TRANSMITTERS and ACCESSORIES

Publication	Reference Article	Board Price
	MIGHTY MIKE 5W 40M TRANSMITTER	\$7.00
73's Nov98	BUILD THE FOX TTL FOXHUNT TRANSMITTER BY DAVE PELAEZ	\$5. 25
73's Oct94	QUICKIE CHEAPIE TENER 1W CW 10M TRANSMITTER BY VERONESE	\$4.25
73's Jul94	WORLD'S SMALLEST 10GHZ ATV TRANSMITTER (ON .031 TEFLON)	\$6.00
73's Apr93	TWO-FER TRANSMITTER	\$5.50
73's Jul92	10 METER DSB TRANSMITTER (2 BOARD SET)	\$10.00
73's Jul92	10 METER DSBTRANSMITTER (EXCITER BD)	\$6.00
73's Jul92	10 METER DSB TRANSMITTER (PA BD)	\$4.50
73's Dec91	SIMPLE TTX	\$5.50
73's Jul91	MICRO ATV TRANSMITTER	\$4.50
73's Jun91	3 BAND QRP TX	\$5.50
73's May91	QRP TRANSMITTERS 'CBED'	\$5.50
73's May91	QRP TRANSMITTERS 'WB'	\$4.50
73's Apr91	QRP WB8VGE UNIVERSAL TRANSMITTER	\$7.00
73's Oct91	10 M SB TX (VFO)	\$5.50
73's Oct91	10 M SB TX (BALANCED MOD/MIXER)	\$8.00
73's Oct91	10 M SB TX (AMPLIFIER)	\$8.00
73's Aug90	LOW POWER TWO METER TRANSMITTER (2 BD SET)	\$8.75

73's Jul90	2 METER TRACKING TRANSMITTER	\$3.50
73's Nov87	QRP TWO FET TRANSMITTER	\$6.00
ARRL HANDBOOK 2010	QST 4_1993 T2 SSB TRANSMITTER BY CAMPBELL	\$11.50
ARRL HB (88-91 ONLY) CHP30 FIG.50	A TXO CONTROLLED CW TRANSMITTER 3.5 TO 21 MHZ	\$12.50
ARRL QRP CLASSICS	QRP OMNI BOX (QST 11/87)	\$7.00
ARRL QRP CLASSICS	TRANSMITTER DESIGN-EMPHASIS ON ANATOMY (QST 5/79): BD(A)	\$3.50
ARRL QRP CLASSICS	TRANSMITTER DESIGN-EMPHASIS ON ANATOMY (QST 5/79): BD(B)	\$5.25
ARRL QRP CLASSICS	TRANSMITTER DESIGN-EMPHASIS ON ANATOMY (QST 5/79): BD(C)	\$5.25
ARRL QRP CLASSICS	TRANSMITTER DESIGN-EMPHASIS ON ANATOMY (QST 5/79): BD(D)	\$4.50
ARRL QRP CLASSICS	TRANSMITTER DESIGN-EMPHASIS ON ANATOMY (QST 5/79): 10W PA	\$7.00
ARRL QRP CLASSICS	VXO CONTROLLED CW TRANSMITTER FOR 3.5 TO21 (HB CH30-50)	\$12.50
ARRL QRP CLASSICS	FOUR WATT, QSK FOR 24.9 MHZ (QST 2/86)	\$9.00
ARRL QRP CLASSICS	TWO TRANSISTOR TRANSMITTER FOR 30 METERS (QST 2/84)	\$4.50
ARRL QRP CLASSICS	W7ZOI LITTLE JOE TRANSMITTER	\$4.50
ARRL W1FB QRP 1991 NOTEBOOK	CHALLENGER TWO TRANSMITTER (FIG. 4-6)	\$4.50
ARRL W1FB QRP 1991 NOTEBOOK	DELUXE 5 W QRP TRANSMITTER (FIG. 4-13)	\$8.00
ARRL W1FB QRP 1991 NOTEBOOK	EX-1 .5W QRP TX/EXC (FIG. 4-10)	\$5.25
ARRL W1FB QRP1 991 NOTEBOOK	PEBBLE CRUSHER TWO (FIG 4-8)	\$4.75
COMM. QUARTERLY Winter92	MC2833 FM TRANSMITTER BOARD AND MC3833	\$17.50
COMM. QUARTERLY Winter91	1152 MHZ PHASE LOCK LOOP OSCILLATOR	\$10.50
Nuts and Volts	AM BROAD CAST TRANSMITTER	\$21.00

1_20		
CQ Jun03	PIXIE II KEYER TRANSMITTER WITH SIDE TONE	\$7.00
CQ Feb97	W1FB QRP SIDE BAND GENERATOR	\$5.50
CQ Jul96	40 METER QRP TITAN BY W1FB	\$7.00
QEX May88	A 759 MHZ LOCAL OSC	\$16.50
QRPp Winter97	TIXIE 2 WITH TIC KEYER	\$6.00
QRPp	NORCAL 49er BOARD	\$4.50
QRPp	NORCAL TUNA TIN 2 TRANSMITTER BY W1FB AND KI6DS	\$6.00
QST SEPT 13	SIMPLE OLD STYLE CWTRANSMITTER FOR 17M \$5.50(DETAILS)	\$5.00
QST Mar 00	QRP 40 METER TUNA TIN 2 TRANSMITTER	\$6.00
QST Feb98	SIMPLE CWTRANSMITTER FOR 80 AND 40 METERS USING IRF820 MOSFET BY KITCHINS (2 BD SET)	\$7.00
QST Mar90	MC2831 FM TRANSMITTER	\$5.50
QST Jun92	UGLY WEEKENDER II TRANSMITTER	\$6.00
QST AUG 92	ONLY THE T2 TRANSMITTERS BY KK7B THESE ARE NOT THE MICRO TRANSMITTERS	\$5.50
QST 9_88	QST 9_88 Band-Pass Filters for HF Tranceivers	5
QST Nov87	QRP OMNI BOX	\$7.00
FUN RADIO MAGAZINE	AM TRANSMITTER Apr92	\$4.50
MOTOROLA APP NOTE	UHF FM/AM SINGLE CHIP TRANSMITTER USING THE MC13175/13176	\$6.50
	KNIGHTLITE Smthttp://www.farcircuits.net/xmt2.htm "TRANSMITTER, only in SMT version	\$4.50

VOICE, CW ID'ERS and CW ENCODEERS & DECODERS

Publication	Reference Article	Board Price
73's Jul98	SIMPLE CW IDENTIFIER USING A 2716 EPROM BY GRAF AND SHEETS	\$6.00
73's Feb95	READING MORSE CODE ON YOUR PC BY KURTZ	\$4.50
73's Jun94	EDWARDS MORSE MESSENGER CW ID'ER	\$6.00
73's May94	WEBBER QRP KEYING	\$4.50
73's Mar94	FOXBOX VOICE ID'er (USES RADIO SHACK VOICE CHIP)	\$5.75
73's Dec87	VIC TALK	\$7.50
HR Mar90	DIGITAL VOICE STORAGE BOARD	\$16.50

QST JAN 15	WSPR 30 METER TRANSMITTER(CLICK HERE)	\$7.00
QST APR 16	CW TONE DETECTOR. With NE567	\$6.00
QST MAR 05	MINIATURE UHF FOX VOICE ID TRANSMITTER ISING ISD1420 IC BY K1FK	\$5.00
QST Feb 05	THE MORSEMETER, P C BOARD, BD-9M, 78L05, 4 MHZ CRYSTAL,PROGRAMMED PIC	\$19.50
QST Aug04	THE CODE PLAYER BY W6BEG, P C BOARD FITS IN BOX SPECIFIED BY AUTHOR	\$4.50
QST Aug04	THE CODE PLAYER BY W6BEG, P C BOARD AND PROGRAMMED IC	\$20.50
QST Aug 04	CHENEY QRSer, A CW OPERATING AID	\$8.50
QST Aug99	PIC16F84 BASED CW DECODER BY IK3OIL P C BOARD WITH PROGRAMMED PIC	\$21.50
QST Nov98	MICRO McELROY CW ENCODER READER BY BERT KELLEY (SET OF 3 BOARDS &PROGRAMMED 2716 EPROM)	\$24.00
QST Jan95	CW WITH YOUR PC BY TAGGART (ARRL HB 96)	\$6.00
QST Oct94	BUNNCW 'STAMP'IDENTIFIER	\$3.50
QST Jun88	REPLAY VOICE MESSAGE CENTER	\$9.75
QST APR 88	VHF 6 METER TRANSMITTER TWO BOARD SET DISCONTINUED	\$14.00

WATTMETER & SWR BRIDGES

Publication	Reference Article	Board Price
	1KHZ TO 1GHZ DIGITAL WATT METER W/ LCD DISPLAY 1 NANOWATT TO 1 WATT BY OZ2CPU SEE www.webx.dk PROGRAMMED PIC, 4 MHZ CRYSTALL AND P C BOARDS	\$20.00
73's Nov94	KITCHEN AVERAGE AND PEAK POWER METER (SPECIFY THE BOARD USING LM3916 OR NSM3916 IC)	\$5.50
ARRL HB CHP 24.1	SWR LED READ OUT FOR 100 W COMPACT Z TUNER \$8.00(CLICK FOR DETAILS)	\$8.00
ARRL HB CHP34 FIG.16	QRP DIRECTIONAL WATT METER	\$10.50
ARRL HB(88-91 ONLY)	PEP WATT METER &SWR CALCULATOR (4 BD SET) (CHP34 FIG.27, 28, 29, AND 30)	\$31.00
ARRL HB (90-93) CHP34	TANDEM MATCH (95 HB FIG22.70) ***** DISCONTINUED ***** REPLACED BY QST/2011 POWER/SWR METER	\$4.00
ARRL HB CHP34 FIG.16	A SIMPLE AND ACCURATE QRP DIRECTIONAL WATTMETER (QST 2-90)	\$6.00
ARRL QRP CLASSICS	THE SWR TWINS QRP AND QRO (QST 7/86) (2 BOARD SET)	\$8.00
ARRL W1FB DESIGN 1990 NOTEBOOK	RF POWER METER AND SWR BRIDGE (FIG 6-18)	\$6.00
HR Jun90	PHASOMETER PC BOARD	\$4.50

QRPp Sep95	401C DIRECTIONAL WATT METER BY JIM PEPPER	\$6.00
QST Sept 2019	Linear scale QRP wattmeter/ SWR indicator by Piering	\$8.00
QST Jan 2011	/SWR METER BY W7IEQ, MAIN BD, PS BDS, PROGRAMMED PIC, AND TWO A to D BOARDS (interconnect diagram)(top bd view) (foil view) (component overlay) (parts list) and (updates to the project)	\$18.00
QST Dec99	A PIC SWR METER BY BERT KELLEY , (TWO BOARD SET, PROGRAMMED PIC, AND CRYSTAL)	\$26.00
QST Jun97	MICROWATT METER BY K7OWJ FOR MEASURING 10nW TO 10uW OF POWER (BOARD ONLY)	\$6.00
QST Oct96	GADET SWR ADD ON ANALYZER	\$4.50
QST Jun96	SIMPLE LED SWR/POWER METER BY WA6IPD	\$4.50
QST Jun95	BUILD SIMPLE LED SWR INDICATOR BY K1KP	\$4.50
QST Jul94	SPENCER SWR DETECTOR AUDIO ADAPTER	\$4.50
QST Jan92	A FIELD STRENGTH METER WITH DB DISPLAY	\$7.00
QST Feb90	QRP DIRECTIONAL WATTMETER (ALL THE COMPONENTS LAID OUT ON THE BOARD)	\$6.00
QST May89	PRACTICAL TIME DOMAIN REFLECTOMETER	\$4.50