

1982 INDEX

AMPLIFIERS

Egad! A 9-Tube Linear	Amplifier Design	W7CSD	Jan 12
The Fun-Amp	20-Watt CW	WA0RBR	May 32
Taming the 2-M Linear	Construction	VE3LMP	Dec 28

ANTENNAS

The Great Compromiser	Wideband Doublet	W5JJ	Jan 104
Those Amazing Bobtails	Why They Work	W1XU	Feb 30
Top-Notch for Top Band	Antennas for 160	N3BEK	May 26
The CCD Ant. Revisited	CCD Design for 40-M	W4ANL	May 40
Americanizing the German Quad	Horizontal Quad	WA3GWY	May 76
Zepp and Sons	End-Fed	W1GV	May 96
The Vertical Deuce	40 and 75 Meters	W9CRC	Sep 80
The J-Pole Love Affair	2-Meters and Mobile	WB5AOX	Sep 84
Pleasures and Perils of Crankup Towers	Tower Tips	K4TWJ	Oct 40
The Incredible Antenna Mark 2	Space-Saving	KL7ISA	Oct 44
The Multiband Vertical	20, 15, 10 Meters	W1GV	Oct 54
The Campbell J	2M Soup Can	W4YVY	Oct 60
The Coax Matcher	Tuner	W9PFJ	Oct 84
A Tuner for Antenna Fanatics	Save Your Finals	Staff	Nov 42
The Hangman's 2-Meter Collinear	6-Element Array	W1GV	Dec 10
Build Yourself A Paralyzed Beam	2M Array	WB2WIK	Dec 24

ATV AND SSTV

ATV's Stripper	ATV Converter	VE3CYC	Mar 20
----------------	---------------	--------	--------

CB CONVERSIONS

Peaking and Tweaking Surplus CB Boards	Hy-Gain Boards	WB0NPN	Mar 38
CB to CW?	Hy-Gain Boards	W1BG	Jul 18
Maximum Modulation for CB Conversions	Audio Preamp	AJ0P	Dec 122

CONSTRUCTION

Building for Beginners	Soldering, Etc.	N1II	Jun 42
Coping With PC Boards	Make Your Own	KC7M	Jun 48

CORRECTIONS

"Lab Quality...Supply"	Mar-Apr '80		Jan 146
"New Freqs. for IC-2"	Oct '81		Jan 146
"ATV's Stripper"	Mar '82		Mar 104
AEA Code Reader Review	Jan '82		Mar 104
"TVRO Signal Source"	Jan '82		Mar 104
"ATV's Stripper"	Mar '82		Apr 145
"The Hesitator..."	Jan '82		Apr 145
"The Masher"	Mar '82		May 145
"VHF Converter"	Apr '82		Jun 64
CES Microdialer Review	May '82		Jul 121
"Watching the Weather"	Apr '82		Jul 121
"VHF Converter"	Apr '82		Aug 135
"Coherent CW for VHF"	Jul '82		Sep 141
"The...Best CW Filter"	Jul '82		Sep 141
"Counter Evolutionary"	Aug-Sep '82		Oct 142
"Double Trouble..."	Sep '82		Oct 142
"Dissertation On...Pig"	Oct '82		Dec 144
"The \$100 TVRO Rcvr"	Aug '82		Dec 144
"The Vertical Deuce"	Sep '82		Dec 144

CW

Hands Across the Water	CW on Cape Cod	KAlD	Jul 38
A Three-Piece CPO	Quick and Simple	WB5WAF	Jul 46
Coherent CW for VHF	Matched Filtering	W3QVC	Jul 48
The Very, Very Best CW Filter	Low-Cost Filter	WB4TYL	Jul 56
The True-Blue Keyer	Keyer With Display	W3BYM	Jul 60
Touch-Type CW	TRS-80 Program	K8TT	Jul 64
CW-The Air Force Way	How They Teach It	Metzler	Jul 72
CW and the Apple II	Morse Program	N5MR	Nov 84
Keyer on a Shoestring	Cheap	WB5PPV	Nov 104

EQUIPMENT MODIFICATIONS

Police Freqs for the TR-2400	HT Modification	N9AK	Feb 26
CQ Mars de IC-2A	Mars/CAP Capability	WD8JLW	Feb 46
Polishing Kenwood's R-1000	Several Easy Mods	K9EUI	Mar 34
Scanning With the IC-280	Drill No Holes	N7AAD	Apr 36
A Split Personality for the KDK FM2015R	Split Frequency	K0BV	Jun 40
F1 for the HW-101	True FSK	K0JH	Sep 20
Fine-Tune Your IC-280	5 kHz-Step Tuning	K4SB	Oct 68
A Gem of an RIT	For the SB-104	KK5R	Oct 70

Remote-Control Your IC-701
The Sound of Silence
Tempo MARSer
Speed Demon

Several Functions	N2GW	Nov 14
TS-180 Modification	HB9BLU	Nov 70
MARS Capability	WB6IQN	Nov 76
WPM for H-1410	K4ZHM	Nov 102

GADGETS

The Simplex Autopatch	Repeaterless Patch	WA7VZR	Jan 26
The Cheapskate	Diode Checker	K9QLL	Jan 30
The Hesitator: A Wiper Control	Rainy Day Project	N4UH	Jan 40
Touch-Tune With Thumbwheels	Feel the Frequency	ZL4LM	Jan 110
The Masher	Speech Processor	W5VSR	Mar 76
Line Voltage at a Glance	Voltage Monitor	W4RNL	Aug 84
The Splattometer	Overmod Warning	W1BG	Oct 10
Dissertation Upon Roast Pig	Surplus Transformers	N6TO	Oct 28
Automatic Beam Aimer	Set and Forget	K9AZG	Nov 22
Dial-A-Frequency	Remote Control	K1WGN	Dec 44
Red-Hot and Ready To Go	Cordless Solder Gun	W7XRV	Dec 101

HISTORY

Messages from Station Charlie	Spy Communications	Phenix	Jan 88
The Father of FM	E.H. Armstrong	Hammond	Feb 50
The AC4YN Story	Tibet, 1936-1937	G5YN	Aug 32
The Bunesti Caper	Ham Builds Spy Rig	W9PJP	Dec 56

I/O

Micro-Programmed Controllers	Control Concepts	K2OAW	Jan 68
CW Interface	Construction	W9JD	Feb 104
Compugrams Are Here	Message Handling	WA6ZZL	Apr 76
Got an Apple? Want RTTY?	Apple Interface	WB6FBN	Oct 34
Amazing Beam Header	PET BASIC Program	WA4NAG	Oct 46
Award-Winning Program	Contest PET Program	WB2GPE	Nov 94
The Program That Knows It All	BASIC for TRS-80	W8XW	Dec 72
Berserk Direction Finding	TRS-80 BASIC	WD8CBE	Dec 76

MISCELLANEOUS

Drama on Mt. McKinley	High Altitude Hams	W7KUF	Jan 18
Indian Hams Rejoice	Restrictions Lifted	Rama	Mar 64
Licensing for Americans Overseas	DX Licensing	KA3B	Mar 68
Innovation or Consternation	Radio Patents	AK0Q	Mar 78
Let's Go Shopping	Used Gear	WD4SKH	Mar 88
The Sinkhole That Ate Winter Park	Hams vs. Hole	KA4RUL	Apr 18
Detect Killer Tornadoes	Use a TV	K2VJ	Apr 50
Flash and Crash 101	Weather the Storm	K1NYK	Apr 94
Pacific Odyssey	DXpedition	KB7NW	May 12
Antenna Raising: the Good Neighbor Policy	Ham PR	AK5Q	May 42
Surviving the Unthinkable	After the Bomb-Pt. I	AK0Q	May 110
Surviving the Unthinkable	Part II	AK0Q	Jun 30
Crime-Stopper's Text	Rules of Thumb	Diefenbach	Jun 84
Electric Health	Ion Generation	W0OGX	Jul 52
Via Negative Ions	Knot-Tying	KC7M	Oct 78
All Tied Up in Knots?	Planning Ahead	W2XQ	Dec 84
Shack from Scratch			

MOBILE AND PORTABLE

Life-Support System for HTs	Charger and Box	WB6BHI	Nov 26
Frugal Floppy Bazooka	HT Antenna	N7BGZ	Dec 32

NEVER SAY DIE

Power Struggle	ARRL Board War		Jan 6
Dannals New Manager	ARRL Politics		Jan 6
Club 'Em	Ham Clubs		Jan 8
Greedy Green?	Personal History		Jan 148
Fruit Basket Leaks	Hussein in L.A.		Jan 148
Bunk in 73	CW vs. Phone		Jan 148
Synergism	Computers		Jan 148
Articles Needed	Call for Articles		Jan 150
More Detectors	Radar Detectors		Jan 150
Now, The Good News	New Legislation		Feb 6
Friendly Clubs	Advice for Clubs		Feb 131
Deregulation	FCC Paper		Feb 131
Ham Watch Repair	Replacing Batteries		Feb 133
Getting Rich	Work and Money		Feb 133
Morse and the Demised	Emergency Operation		Mar 6
Plain Language Rules	Modern Methods		Mar 118
Code Courses the Pits	Alien Radio Messages		Mar 120
It's Up To Us!	Critique		Apr 6
We've Been Bashed	Civil Defense		Apr 6
The CD Debacle	Self-Defense		Apr 8
Killing the Woodpecker	Ham Radio Magazine		Apr 44
ARRL Attacked	Call for Articles		Apr 44
Building	ARRL Director		Apr 44
The Dannals Deal	FCC Shenanigans		Apr 45
Favors	World Tour		Apr 45
Smith Charts	Contest Rules Change		Apr 45
Good ARRL News	Survey Results		Apr 46
Reader Responses			

REPEATERS

Put Talking Time on Your Repeater	Talking Clock	WA4VYR	Jan 116
The Porta-Peater--the Instant Communicator	Controls 2 Rigs	WA2BHB	Mar 12
Death for Squelch Tails	Audio Delay	WA2NYE	Dec 14
Taking It Higher	Antenna Height	W4MLE	Dec 36
Improving God's IDer	K2OAW Modifications	K9XI	Dec 51

REVIEWS

AEA	Morse/RTTY Reader	KALLR	Jan 119
Astron	RS-7A Power Supply	AB1Z	Aug 131
CES	Microdialer	KALLR	May 138
Com-Rad Industries	CR2A Antenna	W1XU	Oct 111
Com-Rad Industries	"Mobile Ear" Ant.	W1XU	Nov 140
Curtis	K-5 Keyer	KALLR	Mar 144
Cushcraft	R-3 Vertical	W1XU	Oct 107
Daiwa	DK-210 Keyer	W1XU	Sep 109
Debco	Charger	N8RK	Jan 125
DPD Systems	RTTY System	K0DG	Feb 119
Digital Electronics	Comm. Terminal	N4DDS	Aug 99
Electric Motion Co.	Grounding Braid	KALLR	Apr 122
Flesher Corp.	Terminal Unit	WB6CRD	Aug 106
Heath	SA-2060 Tuner	AG9V	May 139
Heath	SA-5010 Keyer	KALLR	Jun 117
Heath	VL-1180 VHF Amp	WB8BTH	Jul 136
Heil	Mike Equalizer	KALLR	Aug 130
Icom	IC-720A	AELK	May 136
Icom	IC-4A Hand-Held	N8BSG	Jul 133
Icom	IC-25A Mobile Rig	KALD	Jul 135
Icom	IC-730	KALLR	Oct 101
Icom	290A/E 2-M Xcvr	K1XR	Dec 149
Indiana Quick Charge	Charger	N8RK	Jan 125
KBLT Radio	Contest Calendar	WB8BTH	May 137
KDK	FM-2025 Xcvr	N8RK	Feb 118
Kem-Tron Industries	KTI-20 Power Supply	AG9V	Oct 109
Kenwood	TR-2500 HT	WB5GCX	Jun 115
MFJ Enterprises	J-312 VHF Converter	KALLR	Apr 120
MFJ Enterprises	Computer Interface	Hall	Aug 130
Microlog	ACT-1 Terminal	KALLR	Apr 121
Microwave Modules	Morse Trainer	AG9V	Jun 118
Multiband Antennas	Spider Antenna	W1XU	Oct 106
NCG	QRP Transceiver	KALHY	Jun 116
NCG	HF 10/160 Xcvr	W1XU	Dec 148
Palomar Engineering	SWR/Power Meter	W1XU	Oct 111
Radio Publications	Interference Book	N8RK	Feb 119
Radio Society of G.B.	HF Antenna Book	W1XU	Dec 150
Rivendell Associates	Oscilloscope	N8RK	Aug 132
Rogo Computer Products	CW Software	KC0CE	Oct 110
Silicon Systems	DTMF Decoder	AG9V	Aug 131
Spectrum International	The Morse Talker	AG9V/1	Jan 125
Standard Communications	Portable Xcvr	WB8BTH	Apr 123
Tab Books	Packet Radio Book	KALLR	May 138
Telton	Tone Decoder Board	WA4TEM	Jan 121
Vani-Plate Co.	License Plate Holder	W1XU	Oct 104
Yaesu	FT-290 Transceiver	KALLR	Jan 120
Yaesu	FT-680R	KALLR	Mar 142

RTTY

Micro Modem	TU for Computers	WA4GKO	Sep 10
No-Frills RTTY	Surplus	WA4STO	Sep 24
Incredibly Simple RTTY	TRS-80 Interface	W0XI	Sep 28
RTTY/Tribander Marriage	Pull Duty Cycle	K0ARG	Sep 32

SATELLITES

Shoot the Moon!	Visual Tracking	W9CGI	Feb 34
OSCAR Pathfinder	Apple II Program	WB6NQL	Mar 46
Watching the Weather	FAX Reception	KA9DGL	Apr 10

TECHNICAL AND THEORY

Fighting Air Pollution	Tuner Theory	W2AET	May 68
Digital Basics	Part I	K4IPV	Sep 72
Digital Basics	Part II	K4IPV	Oct 20
Digital Basics	Part III	K4IPV	Nov 46
Winning the Coax War	Feedline Theory	W9RTF	Dec 90

TEST GEAR

Build This Antennalyzer	Antenna Tester	W1BG	Feb 16
Measure Ohms with Your Calculator?	For High Ohms	Johnson	Apr 28
Poor Man's Spectrum Analyzer	Scope Add-On	WB5IPM	Aug 10
Multi-Purpose Peak Adapter	Read Meter Peaks	K9EUI	Aug 54
VUM:Volume Units Meter	Easy dB Meter	W4MLE	Aug 72
Analog Isn't Dead	Use of Meters	WB6AFN	Aug 76
Confessions of a Counter Evolutionary	Deluxe Counter	WA2FPT	Aug 100
Confessions of a Counter Evolutionary	Part II	WA2FPT	Sep 38
A Perfect "10"	10 Function Meter	WA2BHB	Nov 10
Everyman's Audio Amp.	1-Chip Amplifier	W3KBM	Nov 90
Cutting Current to Size	Current Measurement	W7CRY	Dec 100
All-American Audio	Variable Frequency	WA2SUT	Dec 116

TRANSMITTING

The Fun-Oscillator	QRP Vfo	WA0RBR	Feb 12
Build This Digital Vfo	Microprocessor	WA5VQK	Jun 12
Double Trouble on 50 MHz	DSB QRP	KL7GLK	Sep 58

TVRO

TVRO Signal Source	Test Gear	N1BEP	Jan 46
Satellite TV Glossary	Part II	Reed Pub.	Jan 54
Going Bird Hunting?	Sat. Central Pt. III	Gibson	Jan 60
A Dish Antenna Anyone Can Build	Parabolic	W8DJY	Feb 88
Job's Own LNA	Low Noise Amplifier	WA4CVP	Feb 92
Microwave Master	Wave Behavior	WB4APC	Feb 96
Which TVRO Antenna Is Best?	Sat. Central Pt. IV	Gibson	Mar 52
Home-Brew a TVRO Downconverter	Construction	WA4CVP	Mar 58
TVRO Q&A	Part I	WB0POP	Mar 62
TVRO Dish Selection	Tactics	Sat. Central Pt. V	Gibson
Taylor Howard:	TVRO Trailblazer	Profile	N8RK
TVRO Q&A	'Lite Receiver IV	Part II	WB0POP
'Lite Receiver IV	TVRO Sound Decoders	Part I	WA4CVP
TVRO Transducer	'Lite Receiver IV	Sat. Central Pt. VI	Gibson
The MTV Music Box	TVRO Transducer	Part II	WA4CVP
TVRO: Georgia Style	Antenna to LNA	Sat. Central Pt. VII	Gibson
The \$100 TVRO Rcvr	Antenna From Junk	Sat. Cent. Pt. VIII	N8RK
The \$100 TVRO Rcvr	Sat. Central Pt. IX	Gibson	Aug 60
TVRO Q&A	Part III	WB0POP	Sep 60
			Nov 64

VHF AND UP

VHF Converter	2M Receiving	Edwards	Apr 68
Omni-Gain: A Collinear	For ATV and FM	WA6SVT	May 64
For 70 and 23 Cm	Using Microwaves	WB4LNM	Jun 74
Are You Ready	Antenna	WA4WDL	Oct 50
For 900 MHz?			
Try the GHz Getter			

HAM HELP

I need a manual or a copy of it for the Globe Scout model 680-A. I will gladly pay all costs.

Dennis Cornell
7835 Captain St.
Millington TN 38053

I am looking for the following: MK 731/ARC-51X, H-157/AIC, H-158/AIC, ME-57/U, USM 281E, ME-11/U, URM-120, URM-127, O-1131/GRC, URM-103, AN/AIC-25, PRC-49, PRC-90, URC-10, ARA-50, SRD-7, URD-4, OA-3633/ORC, R442/VRC, RT524/VRC, PRC-74B, RT-862/GRC, R1051/VRR, 61BT, ARC-159. I also need modules for the following: ARC-58, SG-179A, AM1528B/URC, CV465C/URC, RE-284/URC, O-655/URC, MC-286B/URC, KY-305/URC, CV-466A/URC, CV-987/GRC-110A, AM1525/URC, AM-476C/AIC-10 unpotted, CU786/TRC-75, CU749/TRC-75, C2848/TRC-75, URM-124, MK-500/U, 878L-3, GRM-21, GRM-10, CU-523/ARC-58, C-1939/ARC-58, R1149/ARC-58(v), C-1940/ARC-58, R-1283/GRC, R484/APR-14, APR-13, URT-23(v), AM-1780/VRC, H-250/U, RT834/GRC, R1123/ARC-73, C-4074/RC-73, C-3940/ARC-94, URM-205, VRM-1, and USM-223. I am also seeking any documentation on the ARC-58, TRC-75, and ARC-159, and I would like to hear from anyone using the TRC-75.

Leroy Ritta
PO Box 102
St. Marys 5042
South Australia
Australia

I need the 20-meter heterodyne oscillator coil (part no. 40-771) for my Heath SB-301 receiver.

George Savino KV2V
368 N. Monroe Ave.
Lindenhurst NY 11757

I would like a schematic for an Allied Star Roamer receiver, number 22-3993-710042-713.

Joe Hustak WA5ZNO
6821 NW 27th St.
Bethany OK 73008

I am in need of videotapes (VHS format) of Novice- and General-class theory material. I also need good audio tapes for mastering Morse Code.

Robert M. Gallery
9214 Weathervane Place
Gaithersburg MD 20879

I need a 3CV1500 tube for my Alpha Vapor amplifier.

David Ornee KA9JKO
4615 Howard Ave.
Western Springs IL 60558

I need help correcting a severe drift problem in the Iml/vfo of my Heath SB-102. Anyone with information on this problem or who can fix it, please write.

Harold Wright K4MFN
Rt. 1 Box 259
Chancellor AL 36316

I am trying to find a 3-inch picture tube, type C6407, for a Symphonic model TPS-30 television. I would also be interested in buying the entire set if the picture tube is good.

Al Duester
179 Woods Hole Rd.
Falmouth MA 02540

I am badly in need of the manual or schematic for Navy surplus receiver R808/GRC-14, a unit of radio set AN/GRC-14.

Lee A. Grunewald K5JGZ
1020 K St. NW
Miami OK 74354

I need the construction manual and schematic for a Dycomm 2-meter linear amplifier. I will pay for the original or copying costs and postage.

Marvin Rosen N3BQA
20 W. Madison St.
Baltimore MD 21201

Wanted: 40-kV, 0-200-pF vacuum variable capacitor.

Cliff Young WA2GY
PO Box 790
Parker CO 80134