

THE SUN NEVER SETS ON THE WORLD OF SHORT WAVE

3417 Purer Rd.
Escondido, CA
92025 USA
714-741-2891



The RADIO WEST crew with the 200 inch Hale telescope at Mount Palomar. This telescope is the World's biggest "DX Receiver" with a gain in excess of 200 dB at light frequencies. Now if only we could install a mechanical filter in it.....

Jim, Dawn, Grant, Patti & Carletta



LISTEN TO
THE WORLD ON
SHORTWAVE RADIO!

Catalog 5

It's been almost four years now that RADIO WEST has been in existence. During this time we've done our best to supply you with the shortwave radio listening equipment, advice and accessories that you need!

What we have in this catalog is "the best" of the lot - equipment and accessories that fill a certain need. We are picky, we won't sell you things you won't use or don't need. If you are looking for equipment that isn't listed here, get in touch with us. More than likely we will be able to get it for you, or let you know where you can locate it.

Nearly all shipping within the continental U.S. is done by UPS (brown). We need a full address, or directions to your home to help them along. Everything is shipped fully insured. If something arrives damaged, keep all packing material, and immediately call us and UPS to file a claim. We will make it good.

In an effort to keep our prices to you down, we are no longer shipping for free. While for the most part shipping charges are fairly small, they add up, and we've actually dropped some prices this time around. We hope you understand our position.

When shipping a receiver to us, for modification, please be sure to pack it in a sturdy shipping container, preferably the original factory carton. We advise filling the container with impact-cushioning packing material such as styrofoam "popcorn".

We ask payment to be made in U.S. dollars, made payable to a U.S. bank. Checks, money orders, or bank drafts are acceptable. We also accept MasterCard and Visa. Make sure that you write down the full number, and the expiration date on your order.

Our store hours are 10 AM to 5 PM PST Monday thru Saturday. We love phone calls, and promise that the information passed on will be worth the cost. If you are in the area, please stop by, and we'll show you around.

We answer all mail. Please, to make our job here more efficient, enclose a self addressed, stamped envelope and allow a couple of weeks at least. We get lots of letters! Letters get lost, and so do catalogs, so if you don't hear from us, call. We thank you for your past patronage, and hope to be of continued service in the days to come.

Grant Manning

Grant Manning
President/RADIO WEST



RADIO WEST

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Order Form

Phone in your
MC/Visa order!



NAME _____

ADDRESS _____

CITY/STATE/ZIP _____

COUNTRY _____

RECEIVER _____ PHONE # _____

Qty.	NAME OF ITEM	PRICE

Please indicate method
of payment:

Check/Money Order
 MasterCard/Visa

Account Card Number: _____

Expiration Date _____

Signature: _____

Total Amount \$ _____

Calif. Residents
add 6% tax: \$ _____

* Total Freight \$ _____

Total Enclosed \$ _____

* If an item you ordered did not
include a specified freight charge,
please contact us for the exact
amount, or we will ship the item
C.O.D. for the freight charge.

THE SUN NEVER SETS ON THE WORLD OF SHORT WAVE

RADIO WEST



T-SHIRTS!

Own your very own RADIO WEST T-Shirt! Be the first on your block, possibly even your city!! Tell your friends about your hobby! Be an instant celebrity! Discover untold riches! What more can we say! Sizes, Men's and Womens, S, M, L, XL. Colors, Lt. Blue, Tan, Red, Yellow. Please specify.

PRICE: \$10.00. freight incl.

SP 100

This speaker is pictured with the R-1000 in the "Communications Receivers" section. Very nice sound, works with any receiver. 4 - 8 ohm impedance.

PRICE: \$50.00. (+\$2.00 freight)



WRTVH

Lists the entire WORLD! Indispensable material for all! MW - SW stations by country, frequency and time!

freight incl.
PRICE: ONLY \$15.00 from your friends at RADIO WEST!

PATCH CORDS

These are four feet long, miniature, flexible RG-174U coax patch cords with shielded all metal hardware. Choose to fit your needs.

- #1: RCA-RCA
- #2: RCA-PL-259
- #3: RCA-tinned leads
- #4: PL-259-PL-259
- #5: PL-259-tinned leads.

PRICE: \$5.00 each. freight incl.

RadioWest REPAIR

We have a complete repair facility - for repair, alignment or rebuilding of most receiver types. We are the only shortwave listener oriented company offering in-house repair and modifications.

For repair work, or custom modifications you don't see listed, please contact us and request a "REPAIR WORKSHEET". Ballpark estimates are free. Physical Estimates and/or Repair is \$25.00/hr.

"WE SERVICE WHAT WE SELL."

- All Prices & Specifications in this catalog are subject to change without notice -



Listen to the World

New to the hobby? Confused? Lost? Don't know what you want? For the purpose of giving the newcomer a break, we will try to explain a little of what you need to "Listen to the World".

You need a radio, an antenna and data on the station or stations you want to listen to. Specifically, the time the station is on the air and the frequencies it broadcasts on. Since we live in a large world, and there are many shortwave services, we would like to break listeners down into three categories, the "casual listener" - just likes to "tune around", the "SWL" - listens for program content and the "DXer" - listens to everything, but wants to hear rare stations, may listen to radio teletype (RTTY), morse code (CW), long distance MW (BCB) stations and doesn't mind getting up at 3 AM to hear a rare South Pacific station sign on!

There are a number of accessories we carry to help you hear what you want, however, it may be hard to listen to.

To hear "common stations", Radio Canada, Radio Sweden, Radio Australia, Radio Japan, Radio Moscow, etc., doesn't take much equipment. It's a case of being "on frequency" when they are broadcasting to your part of the world. To hear the more exotic shortwave stations, it takes a better receiver, a good antenna, lots of patience, time and a certain amount of skill.

We recommend you own a "World Radio TV Handbook" (see accessories), and that you obtain samples of hobby publications, shortwave listeners monthly time and frequency listings. A list of possible clubs to join is available from the "Association of North American Radio Clubs" (ANARC), 557 N. Madison Ave., Pasadena, CA 91101. They are non-profit. Please include a self addressed stamped envelope.

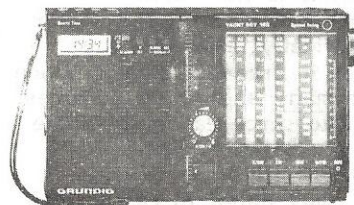
It isn't the intention of this page to "get deep". Please feel free to write us with your questions (enclose SASE) or call us (make a list of questions before you do), 99% of our incoming calls are long distance and we have a limited number of lines, please understand if we ask you to hold a moment. If you encounter our recorder, please leave your number and the best time you can be reached and we will call you back.

We are breaking our receivers into two categories. "Portables" which we classify as "entertainment" oriented and do a fairly good job on shortwave and the "Communications" receivers which are best for shortwave. There are a few sets that walk the thin line and these are indicated as such. We have available manufacturers specifications sheets on most receivers upon request. Please send an SASE.

We hope this helps you in your equipment selection.

Small Portables

These sets are all small physically, and will allow adequate reception of the larger shortwave stations. The receiving ability of portables can be increased somewhat using an external antenna wire. We will provide 30 feet of wire terminated with an alligator clip for \$5.00. These sets are best used for the "SWL" on the go! Small and powerful, they keep you in touch with the world - anywhere!



YACHT BOY

MODEL: Grundig Yacht Boy 100/120
 FREQUENCY RANGE: LW 150-260 MHz, MW, FM, SW1 5.9-6.3 MHz, SW2 7.0-7.4 MHz, SW3 9.4-10 MHz, SW4 11.6-12.3 MHz, SW5 15-15.7 MHz, SW6 17.6-18.4 MHz.
 ANTENNAS: MW/LW - ferrite loop, SW/FM - whip.

POWER REQUIREMENTS: 5 "AA" batteries (model 120 has a 24 hr. clock requiring a clock battery).

CIRCUIT: Single conversion, 460 kHz IF.

OUTPUTS: Earphone.

INPUTS: DC In.

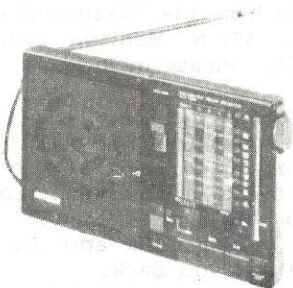
SIZE: 8½"W x 5½"H x 1 3/4"D

WEIGHT: 1 lb. 8 oz.

CONTROLS: Volume, tone, band, mode, power off, tuning.

PRICE: Yacht Boy 100 \$150.00. (+\$1.50 freight)

Yacht Boy 120 \$190.00. (Includes 24-hour clock).



ICF 7600

MODEL: Sony ICF-7600
 FREQUENCY RANGE: MW, FM, SW1 3.9-4 MHz, SW2 5.95-6.5 MHz, SW3 9.5-9.8 MHz, SW4 11.7-12 MHz, SW5 15.1-15.5 MHz.
 ANTENNAS: MW - ferrite rod, FM/SW - whip.

POWER REQUIREMENTS: 4 "AA" cells.

CIRCUIT: Single conversion, 455 IF.

OUTPUTS: Earphone, recorder.

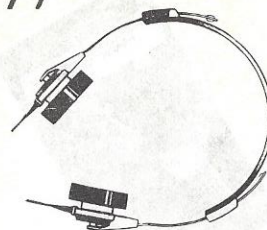
SIZE: 7 1/8 "W x 4 5/8"H x 1 1/4"D.

WEIGHT: 1 lb. 6 oz.

CONTROLS: Volume, tone, band, power off.

PRICE: ICF-7600 \$140.00. (+\$1.50 freight)

YH 77



Very lightweight, 4 to 8 ohm dynamic, ¼" phone plug. Easy on the ears! Comes with 52" cord.

PRICE: Yeasu YH-77
 Headphones \$16.00
 (+\$1.25 freight)

HS 5



These are very nice, high-quality headphones featuring both foam and cushioned earpads for comfortable listening! These are dynamic headphones with 8 ohms impedance.

PRICE: Kenwood HS-5
 Headphones \$45.00.
 (+\$1.50 freight)

THE CHALLENGER



This unique globe combines the latest scientific research. Countries, states, and provinces are outlined and named and capital cities are pinpointed. In addition, the globe shows the most recent underwater topography. Three-dimensional raised relief is incorporated into land areas. Die cast semi-meridian with tapered brass finish base, 12" diameter, 16" high.

PRICE: The Challenger \$25.00
 (+\$1.75 freight)

WALL MAP



A reliable, up-to-date reference map of the world and, in addition, a colorful and decorative map for display.

Detail: Country boundaries and names are emphasized and over 2,000 principal cities are shown as well as rivers, lakes and islands.

Color: Printed in eight soft colors with further variations in shading resulting in a rich, colorful map. Not indexed.

Projection: Mercator. Americas appear in center of map.

Size: Paper sheet 52" x 33½".

PRICE: Cosmopolitan Map of the World \$7.00.
 (freight included)

COPAL MG 730

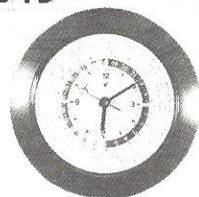


MODEL: Copal On/Off Timer MG-730
POWER REQUIREMENT: AC 120 Volts, 60 Hz.
POWER CONSUMPTION: 9 watts (clock only).
TIME DISPLAY: 12-hour AM/PM digital display, fluorescent tube system, static drive.
ALARM: 24-hour system, can be set at one-minute intervals.
SLEEP TIMER: Time setting can be made from 1 minute up to 23 hours 59 minutes at one-minute intervals.
POWER FAILURE INDICATION: By flashing of time indicators.
SLEEP TIMER ACCURACY: 0 to 1 minute of set time.
TIMER/ALARM ACCURACY: Within ± 1 second of indicated time.
OTHERS: Equipped with cord.
SIZE: 8 1/8"W x 4 1/2"D x 2 1/4"H.
WEIGHT: 2 lbs. 7 oz.

The Copal On/Off Timer MG-730 digital alarm clock is a combination clock/timer that features a dual function mechanism for switching on and off the power to your receiver. A repeat mechanism for switching the power on and off at the same times every day is also installed. This MG-730 is a 12-hour am/pm digital clock featuring easy-to-read numerals of the fluorescent tube system and employs a static drive, in the time display mechanism, to prevent interference noises from affecting the connected audio system.

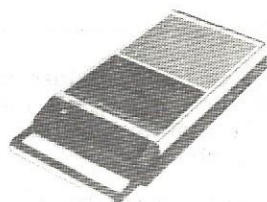
PRICE: Copal MG-730 \$64.00.
 (+\$1.75 freight)

QTR 24D



This clock shows the time of day in the major cities of the world with a 24-hour dial that also indicates daylight and darkness over the world. It has a removeable stand for either wall or desk mounting, and a wood grain case, with a blue and white face. The second hand pointer ends in a blue jet! Runs on one "C" cell for approximately one year.

PRICE: Yaesu Quartz QTR-24D \$49.00 (+\$1.75 freight)

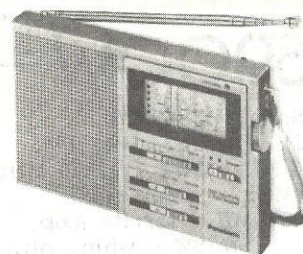


RQ 2739

An excellent tape recorder with the following features:

- AC/Battery operation
 - Cue/Review
 - Digital Tape Counter
 - Edit Function
 - Built-in Condenser Mic
 - AC In, DC In
 - Remote
 - Monitor
 - Aux.
 -and many other functions!
- Makes it easy to record programs when you're away!

PRICE: RQ-2739 \$75.00
 (+\$1.75 freight)



MODEL: Panasonic RF-085
FREQUENCY RANGE: MW, FM, SW1 2.3-5.5 MHz, SW2 5.5-11 MHz, SW3 11-18 MHz.
PRICE: RF-085 \$80.00 (+ \$1.25 freight)

SELECTIVITY MODIFICATION - Additional ceramic filter - \$25.00.

Large Portables

These sets will give adequate reception of the medium to large shortwave stations. While they fit into the "entertainment type portable" category, they provide good listening value for the dollar. When possible, we have modified these sets for considerably better performance on the SW/MW bands. Possible modifications are listed below the receivers. Better reception can always be had with an external antenna, however, adequate results are possible using only the telescoping whip antennas, (when provided).
CLIP-ON ANTENNA - 30 feet of wire with alligator clip - \$5.00.

RF2200

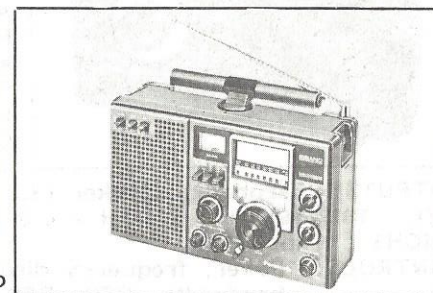
MODEL: Panasonic RF-2200
FREQUENCY RANGE: MW, FM, SW1 3.9-8 MHz, SW2 8-12 MHz, SW3 12-16 MHz, SW4 16-20 MHz, SW5 20-24 MHz, SW6 24-28 MHz.

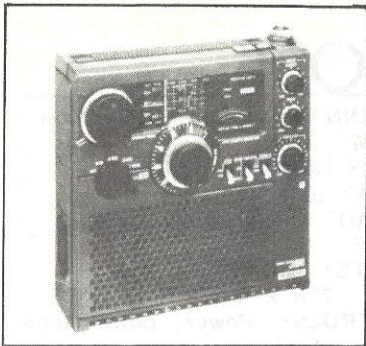
ANTENNAS: MW - ferrite loop, FM/SW - whip plus external antenna terminals.
POWER REQUIREMENTS: 4 "D" cells, or 117 Vac.
CIRCUIT: SW double conversion, 1st IF 1.985 MHz, 2nd 455 kHz.
OUTPUTS: Recorder, earphone.
INPUTS: DC In
WEIGHT: 7 lbs. 8 oz.
SIZE: 12 1/2"W x 7"H x 4"D.
CONTROLS: Bass, treble, volume, 2-speed tuning, RF gain, band switch - 2, Xtal calibrator - 2, AFC, BFO, dial lite, power, bandwidth (wide and narrow).

PRICE: RF-2200 \$165.00. (+\$3.00 freight)

RF085

ANTENNAS: MW - ferrite loop, FM/SW - whip.
POWER REQUIREMENTS: 4 "AA" cells.
CIRCUIT: Single conversion, 455 IF.
INPUTS: DC In.
SIZE: 7"W x 4 3/8"H x 1 1/2"D.
CONTROLS: Power, band, tone, volume, tuning.





ICF 5900W

MODEL: Sony ICF-5900W
 FREQUENCY RANGE: MW, FM,
 SW1 3.9-10 MHz, SW2 11.7-20 MHz,
 SW3 20-28 MHz.
 ANTENNAS: MW - ferrite loop,
 FM/SW - whip, plus
 external antenna terminals.
 POWER REQUIREMENTS: 3 "D" cells,
 or AC adaptor (supplied).

CIRCUIT: SW double conversion, 1st IF 10 MHz, 2nd 455 kHz.

OUTPUTS: MPX, recorder, earphone.

INPUTS: DC In

SIZE: 8 3/4"W x 9 1/4"H x 4"D

WEIGHT: 4 lbs. 7 oz.

CONTROLS: Volume, bass, treble, power, AFC, BFO, band,
 main tuning, Xtal calibrator, bandspread, dial lite.

PRICE: ICF-5900W \$165.00. (+\$2.00 freight)



RF 2600

MODEL: Panasonic RF-2600,
 ALL DIGITAL.
 FREQUENCY RANGE: MW, FM,
 SW1 3.9-10 MHz, SW2 10-16 MHz,
 SW3 16-22 MHz, SW4 22-28 MHz.
 ANTENNAS: MW - ferrite loop,
 FM/SW - whip, plus external
 antenna terminals.
 POWER REQUIREMENTS:
 6 "D" cells, or 117 Vac.
 CIRCUIT: SW double conversion,
 1st IF 3 MHz, 2nd 455 kHz.

OUTPUTS: Earphone, speaker (3.2 - 8 ohm), MPX, recorder.

SIZE: 13 7/16"W x 9 5/16"H x 4 9/16"D

WEIGHT: 6 lbs. 9 oz.

CONTROLS: Power, frequency display, band, tuning, calibrator,
 bandwidth, BFO, BFO pitch, RF gain, bass, treble,
 volume, light.

PRICE: RF-2600 \$220.00 (+\$3.00 freight)

Modifications

4 KHZ
 SUPER CERAMIC

We install a high quality ceramic filter in the "Narrow"
 bandwidth position improves selectivity from (approximately) 6 kHz
 @ -6 dB & 18 kHz @ -40 dB, to 4 kHz @ -6 dB & 10 kHz @ -60 dB.

PRICE: RF-2600 with 4 kHz Super Ceramic \$260.00 (+\$3.00 freight)
 4 kHz Super Ceramic in YOUR RF-2600 \$40.00

RECEIVER

DISPLAY

FEATURES & PRICES

*HQ-180

KRS
 DD-2S

Five digit display, switchable to
 accommodate the change in top band
 IF frequency, it includes an external
 power supply. Reads frequency to
 the nearest kHz. \$180.00, KIT -
you install.

*HQ-145

KRS
 DD-2S

As in "180" above, except programmed
 for the HQ-145. \$180.00, KIT - you
 install.

DX-150/160

KRS
 DD-2S

Five digit display, powered from set.
 Reads all bands to 1 kHz and includes
 a selectivity modification. Please see
 below. \$185.00, we install.

*Available only as a KIT, you install - instructions and all parts
 are included. Display is assembled and tested. (+\$1.25 freight for
 kits, others contact us for freight amount, or we can ship C.O.D.
 for the freight amount.)

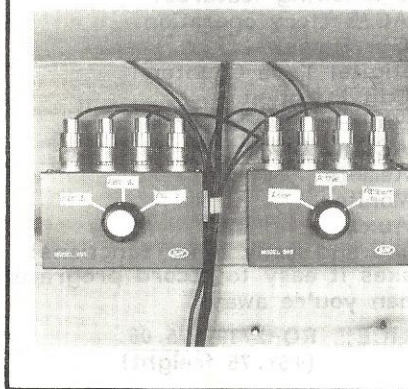
If your radio isn't listed here, please write us - we provide custom
 displays too!

DX 150/160 DIGITAL DISPLAY & SELECTIVITY PACKAGE

This display unit provides direct digital frequency readout on all
 bands of the popular DX-150/160 series receivers. Also included
 are two "transfilters" which will improve the selectivity (station
 separating ability).

PRICE: DX-150/160 Digital Readout & Selectivity Package \$185.00.

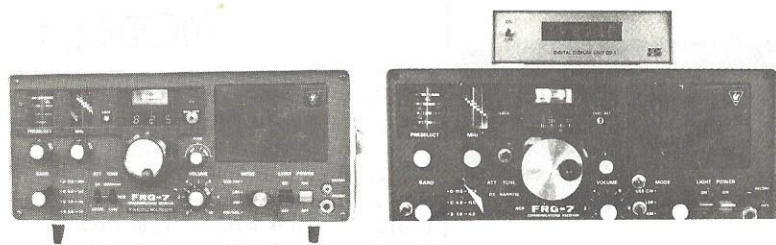
B & W SWITCHES



Keep your listening post tidy.
 Connect any receiver to any
 antenna instantly! These B&W
 switches use SO239 fittings for
 input and output connections.
 Use with our "Patch Cords"!
 At last, switch from loop to long-
 wire easily. With two model
 #593's you can have complete
 control of three receivers and
 three antennas! Unused inputs
 are shorted.

PRICE: B&W #593 (3 in, 1 out)
 \$18.50
 B&W #595 (6 in, 1 out)
 \$22.50. (+\$1.25 freight)

DIGITAL FREQUENCY DISPLAYS



FRG-7 with DIGI-DIAL

FRG-7 with DD-1-4D

A digital frequency display is a special form of frequency counter which is connected to a receiver to display the received frequency with high accuracy and resolution. The display works by measuring the receiver VFO or local oscillator and then offsetting this digitally and adding or subtracting the IF value to display *exactly* the frequency to which the receiver is tuned.

Our displays operate with the receiver in the AM mode, so tuning accuracy depends upon the operator's ability to center the received station in the IF bandwidth. Modifications are required to the receiver to allow connection of the display. For best performance and accuracy, we prefer to make the modifications here, however, some of the displays are available as kits. The KRS displays are outboard units, measure 6"W x 6½"D x 2"H and are grey. Display is in red LED's. We now have displays available for the following sets:

RECEIVER	DISPLAY	FEATURES & PRICES
Yaesu FRG-7	KRS DD-1	Three digit display, reads the kHz dial on the receiver, powered from the set. \$140.00 - we install, \$125.00 - kit. With all instructions.
	KRS DD-1-4D	Four digit display, reads down to 100 Hz, use with our "455 Calibrator" (see "Receiver Modifications") for accurate frequency measurement. \$150.00 - we install, \$135.00 - kit. Complete instructions provided.
	DIGI-DIAL	Three digit display, mounted <i>inside</i> the receiver. See "Receiver Modifications", FRG-7 for details. \$115.00 we install, \$100.00 - kit with all instructions included.
R-300	KRS DD-2S	Five digit display, reads kHz and MHz to the nearest kHz. \$165.00, we install.

RF-2900

MODEL: Panasonic RF-2900, ALL DIGITAL.

FREQUENCY RANGE: MW, FM, SW1 3.2-8 MHz, SW2 8-16 MHz, SW3 16-30 MHz.

ANTENNAS: MW - ferrite loop, SW/FM - whip, plus external antenna terminals.

POWER REQUIREMENTS: 6 "D" cells, 117 Vac.

CIRCUIT: SW double conversion, 1st IF 2 MHz, 2nd 455 kHz.

OUTPUTS: Earphones (3.2 - 8 ohm), MPX, recorder.

SIZE: 15"W x 9 11/16"H x 4 3/4"D

WEIGHT: 8 lbs. 10 oz.

CONTROLS: Power, light, AFC/bandwidth (wide/narrow), band, display, volume, bass, treble, tuning, BFO, BFO pitch, RF gain, SW calibrator.



PRICE: RF-2900 \$250.00 (+\$3.00 freight)

Modifications

12 VOLT DC

12 Vdc to 9Vdc adaptor & jack. Allows the '2900 to run from a car battery. Fits cigarette lighter. \$35.00 (+ freight)

4 KHZ SUPER CERAMIC

We install a high quality ceramic filter in the "Narrow" bandwidth position. Improves selectivity from (approximately) 6 kHz @ -6 dB & 18 kHz @ -40 dB to 4 kHz @ -6 dB & 10 kHz @ -60 dB.

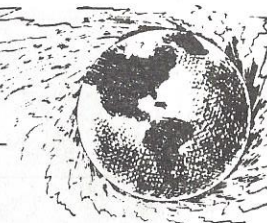
PRICE: RF-2900 with 4 kHz Super Ceramic \$290.00 (+\$3.00 freight)
4 kHz Super Ceramic in YOUR RF-2900 \$40.00*

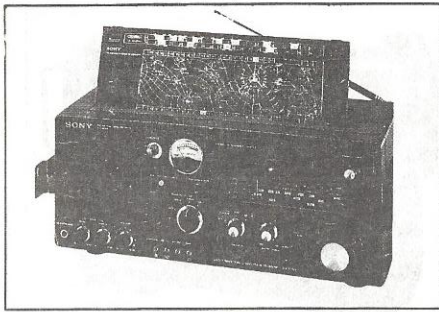
COLLINS MECHANICAL FILTER

We install an excellent Collins mechanical filter for *BEST* selectivity - it utilizes a separate in/out switch which is mounted in the lower right hand corner of the speaker grill, and includes an extra IF gain stage for increased sensitivity. We recommend the 3.8 kHz bandwidth for "SWL", or the 2.9 kHz bandwidth for "DX".

PRICE: RF-2900 with Collins Mechanical Filter \$345.00
Collins Mechanical Filter in YOUR RF-2900 \$95.00.*
(+\$3.00 freight)

* Above modifications also available for the RF-2800.





ICF 6700W

MODEL: Sony ICF-6700W
ALL DIGITAL.

FREQUENCY RANGE: MW, FM,
SW1 1.6-10 MHz, SW2 11.5-20 MHz,
SW3 20-29.5 MHz.

ANTENNAS: MW - ferrite loop,
FM/SW - whip, plus external
antenna terminals.

POWER REQUIREMENTS: 6 "D" cells, or 117 Vac.

CIRCUIT: SW double conversion, 1st IF 10.6 MHz, 2nd 455 kHz.

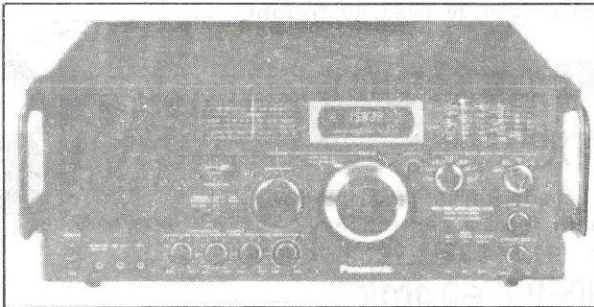
OUTPUTS: Recorder, earphone, MPX, headphones, timer.

SIZE: 17 7/8"W x 7 1/2"H x 9"D

WEIGHT: 12 lbs. 2 oz.

CONTROLS: Bass, treble, volume, power, tuning, preselector, AFC,
mode, RF gain, band, display, power.

PRICE: ICF-6700W \$360.00. (+ freight)



Panasonic. RF 4900

MODEL: Panasonic RF-4900, ALL DIGITAL.

FREQUENCY RANGE: MW, FM, SW1 1.6-3 MHz, SW2 3-7 MHz,
SW3 7-11 MHz, SW4 11-15 MHz, SW5 15-19 MHz,
SW6 19-23 MHz, SW7 22-26 MHz, SW8 26-30 MHz.

ANTENNAS: MW - ferrite loop, SW/FM - requires external antenna,
clips are provided for MW, FM, SW, plus SO-239 for SW.

POWER REQUIREMENTS: 8 "D" cells, or 117 Vac.

CIRCUIT: SW double conversion (SW bands 2-8), 1st IF 2 MHz,
2nd 455 kHz.

INPUTS: Aux. in, DC in.

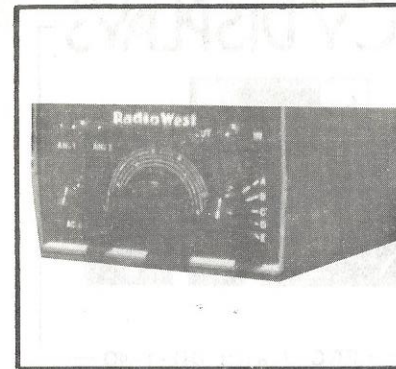
OUTPUTS: Earphone, speaker (8 ohm), recorder out.

SIZE: 19"W x 7 7/8"H x 14"D.

WEIGHT: 17 lbs. 10 oz.

CONTROLS: Volume, bass, treble, BFO, BFO pitch, light, display,
power, battery check, antenna trim, band, SW calibrator,
tuning, AFC/Bandwidth, ANL, AM/SSB.

PRICE: RF-4900 \$439.00. (+ freight)



RadioWest

MODEL 1

MODEL: RADIO WEST Model 1
R.F. Preamplifier/Indoor
Active Antenna

FREQUENCY RANGE:

Band 1: 200 kHz - 500 kHz

Band 2: 500 kHz - 1.6 MHz

Band 3: 1.6 MHz - 5.0 MHz

Band 4: 5.0 MHz - 15.0 MHz

Band 5: 15.0 MHz - 30.0 MHz

FEATURES:

- More than 20 dB gain on all bands.
- 2 switched antenna input positions - LED antenna status.
- Optional DC cord available.
- Includes 117 Vac power adaptor.
- Optional internal DC battery pack available (8 "AA" cells).
- Only "Full Coverage" preamplifier/active designed for the serious listener.
- High Q coils - litz wire.
- R.F. gain control.
- Low noise MOSFET design.
- RCA connectors for input/output connections.
- Output patch cord supplied (RCA-tinned leads).
- 1 input connector attached to 20' of antenna wire supplied, for use as an "Active" antenna, or may be attached to existing antenna system.

USE ACTIVE ANTENNA Merely 20 feet of wire hidden behind a curtain, stapled to a baseboard, or hidden in a closet is generally adequate for good all-band reception.

RECEIVER PREAMPLIFIER Attach between your existing indoor/outdoor longwire/dipole antenna, and your receiver to boost weak signals on "closed" bands or weak signals due to an inadequate antenna system.

This RF preamplifier will work on any receiver with antenna input connections. It will boost weak signals on bands that are inactive, to readable levels. For those with antenna restrictions or living in places where large outdoor antennas are not possible, it will provide enough gain so that even short pieces of wire become more than adequate antenna systems. It can be run from 117 Vac, from 12 Vdc or internal batteries with the optional accessories.

PRICE: RADIO WEST Model 1 \$135.00 (+\$1.50 freight).
Optional DC Cord \$10.00
Optional Internal Battery Pack \$15.00.

Because the Signal Enforcer is an audio filter, it works with the output of any receiver, regardless of coverage and doesn't require internal connections. Two tuning eyes on the Signal Enforcer front panel make locating signals for filtering easy even during crowded band conditions. The tuning eyes are LED indicators that find the heart of signals and blink with them so you know which signals you are filtering.

The Signal Enforcer has its own internal power supply, 117 or 230 Vac, 50 to 60 Hz or 12 to 18 Vdc via a rear panel jack. Since this is an audio filter, it is useful for processing previously recorded tapes, also!

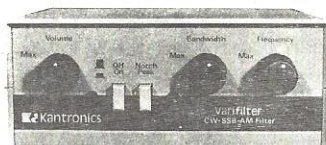
PRICE: Kantronics Signal Enforcer \$165.00 (+\$1.75 freight)

R/1000, FRG-7/7000/7700 wired for series use of internal speaker and outboard audio equipment. Two back panel jacks - \$35.00.

VARIFILTER

MODEL: Kantronics Varifilter.
SIZE: 2½"H x 6"W x 6"D.

The Varifilter is a single peak notch filter version of the Signal Enforcer. All specifications and features are identical except that this is a single filter.



(+\$1.75 freight)

PRICE: Kantronics Varifilter \$115.00

KV1000

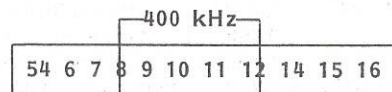
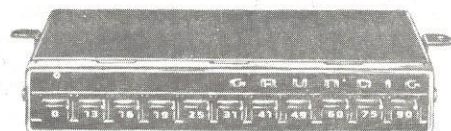
MODEL: Grundig KV-1000
FREQUENCY RANGE: 400 kHz of the 13, 16, 19, 25, 31, 41, 49, 60, 75 and 90 meter bands.

ANTENNAS: Car whip.
POWER REQUIREMENTS: 12 Vdc (car battery).

CIRCUIT: Single conversion, turns car radio into dual conversion SW receiver.

SIZE: 7"W x 1¼"H x 3 3/4"D.

CONTROLS: Band, power off.



Car radio dial

Listen to the world from your car! The Grundig KV-1000 converter adds all the popular shortwave bands to your car radio! It converts the 13, 16, 19, 25, 31, 41, 49, 60, 75 and 90 meter bands to a 400 kHz bandwidth, centered on 1000 kHz. Reception is accomplished by pushing the desired meter band pushbutton, which turns your car radio into a tunable second IF. Tune from 800 to 1200 kHz, on your car radio dial, and hear shortwave! The converter connects to the car battery and plugs into the car radio antenna socket, with your car antenna plugging into it! Easy to install! Own the best!

GRUNDIG

PRICE: Grundig KV-1000 \$130.00 (+\$1.75 freight)

Modifications—4 KHZ CERAMIC FILTER

We install a high quality ceramic filter in the "Narrow" bandwidth position - improves selectivity from (approximately) 6 kHz @ -6 dB & 18 kHz @ -40 dB to 4 kHz @ -6 dB & 10 kHz @ -60 dB.

PRICE: RF-4900 with 4 kHz Super Ceramic \$489.00 (+ freight)
4 kHz Super Ceramic in YOUR RF-4900 \$50.00.*

COLLINS MECHANICAL FILTER

Installed in "Narrow" bandwidth position (3.8 kHz recommended for "SWL", 2.9 kHz recommended for "DX"), includes extra IF gain.

PRICE: RF-4900 with Collins Mechanical Filter \$584.00. (+ freight)
Collins Mechanical Filter in YOUR RF-4900 \$95.00.*

*Above modifications also available for RF-4800.

ICF 2001

MODEL: Sony ICF-2001,
ALL DIGITAL.

FREQUENCY RANGE: FM, AM,
SW 150 kHz - 29,999 kHz
continuous.

ANTENNAS: FM/SW - whip
(150-360 kHz, plus 2144-29,999 kHz)
MW - ferrite bar, (360-2143 kHz)
plus external antenna terminals.

POWER REQUIREMENTS: 3 "D"
cells, plus 2 "AA" cells (memory)
or 117 Vac with included AC adaptor.

CIRCUIT: Synthesized direct access.

OUTPUTS: Earphone, tape, timer.

SIZE: 6 13/16"H x 12 13/16"W x 2 3/16"D.

WEIGHT: 4 lbs.

CONTROLS: Bass, treble, volume, SSB clarifier, keyboard tuning,
band, power off, sleep, limit 1, 2, scan, RF attenuator.

This radio has an unusual tuning system in that all frequency changes are entered via a keyboard. It has a variable BFO for SSB. It's capable of storing up to eight station frequencies, 6 in the "memory preset" function, and two more in the "limit" function. It has scanning capabilities, and will scan between any two frequencies input. Also included, is a sleeptimer, and AC adaptor. Spec. sheet available.

PRICE: ICF-2001 \$345.00. (+\$2.00 freight)

Sorry folks, can't modify! Varifilter helps!

VOICE of JAPAN 2001

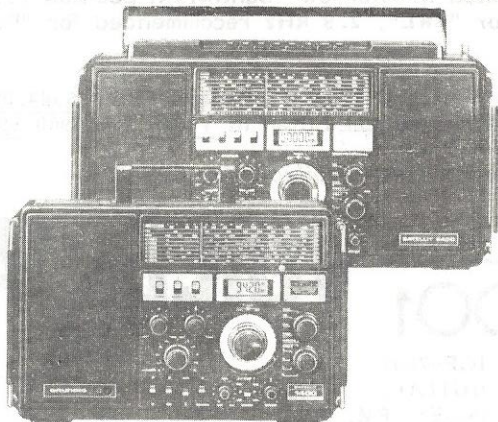


SONY

High Quality Portables

These sets are for SWL's that don't have the time or room for a communications receiver, but want very good shortwave reception, and quality AM/FM also. The Grundig line has long been noted for it's quality products in Europe.

SATELLIT 1400/2400/RR1140



MODEL: Grundig Satellit models 1400/2400/RR-1140, ALL DIGITAL.

NOTE: The '2400 is a stereo version of the '1400, the RR-1140 is also stereo, and has a built-in stereo cassette recorder. They are essentially the same electronically.

FREQUENCY RANGE: FM, MW, LW 145-320 kHz, SW1 1.6-3.5 MHz, SW2 3.5-7.7 MHz, SW3 7.7-12.5 MHz, SW4 12.5-18.2 MHz, SW5 18.2-23.5 MHz, SW6 23.5-28 MHz.

ANTENNAS: AM/LW - ferrite rod, SW/FM - whip, plus external antenna terminals.

POWER REQUIREMENTS: 6 "D" cells, optional rechargeable "Dryfit", 117 Vac.

CIRCUIT: Double conversion, 1st IF 2 MHz, 2nd 460 kHz.

OUTPUTS: Headphones, tape/record, in/out.

INPUTS: External DC.

SIZE: (Satellit 2400) 21.2"W x 10.6"H x 4.8"D

WEIGHT: (Satellit 2400) 16.2 lbs. (BIG!)

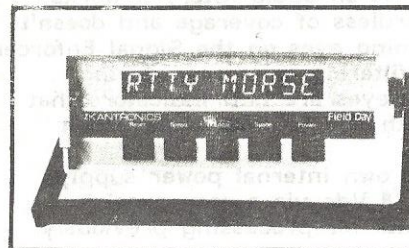
CONTROLS: Radio/phono, mono/stereo/muting, AFC, bass, treble, separation, tweeter on/off, battery/lite, counter off, USB/LSB, MVC (RF Gain) 2 bandswitches.

Please ask for specification sheets.

PRICE: Satellit 1400 \$489.00
Satellit RR-1140 \$930.00

Satellit 2400 \$595.00
(+ freight)

Kantronics



FIELD DAY

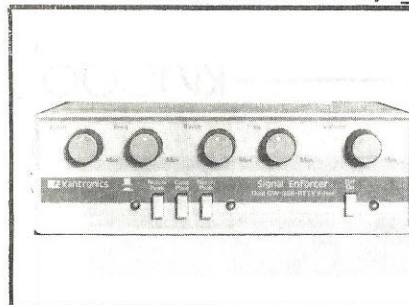
The smart machine that reads sloppy copy!! Features; Morse copying ability, 3 - 80 WPM range, computer programs for improving sloppy Morse, Radio-teletype copying ability, Baudot at 60, 75 and 100 WPM and ASCII at 150 and 300 Baud. The unit

also includes a built-in 24-hour clock, and an automatic "test pattern" which sequentially displays all characters, numbers and symbols to assure everything is operating correctly. We looked at several RTTY/CW readers before going with the Field Day. We feel it's easiest to operate, consumes the least space and since both CW and RTTY are essentially audio functions, it's possible to record your RTTY and CW on your trusty cassette recorder for storage and playback later! It will display the speed of the code that's being received and is very portable, measuring 8 1/2"W x 3 1/2"H x 9"D and will run on 117/220 Vac or 12 Vdc. It doesn't require expensive video monitors or any other external equipment - it's complete and ready to go!

(+\$3.00 freight)

PRICE: Kantronics Field Day \$430.00.

SIGNAL ENFORCER



MODEL: Kantronics Signal Enforcer.

FILTERING: Two identical filters, both providing peak and notch capabilities. Both filters are independently variable in frequency and bandwidth.

MODES: The filters may be operated in parallel or cascade modes. Regardless of mode, both filters can peak or notch.

BANDWIDTH: Continuously variable from less than 30 Hz to over 1000 Hz. Once set, bandwidth remains constant regardless of frequency changes.

FREQUENCY RANGE: From less than 150 Hz to over 3000 Hz.

AUDIO POWER OUTPUT: 2 Watts maximum - variable through volume control.

POWER REQUIREMENTS: 115 Vac or 230 Vac at 50 to 60 Hz or external 12-18 Vdc source.

INPUTS: Signal input, external DC input.

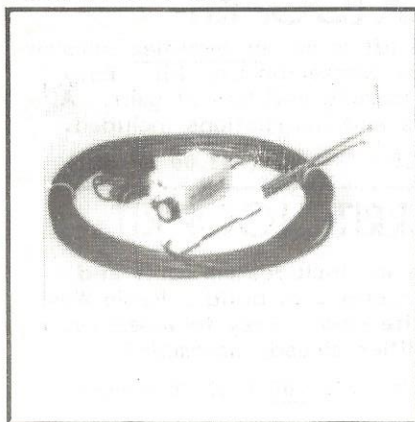
OUTPUTS: External speaker, external headphones, demodulator.

INDICATORS: Power, one tuning eye for each filter.

SIZE: 2 1/2"H x 8"W x 6"D.

This is a tuneable dual audio filter that can be used to maximize one signal while it minimizes an interfering one. (Peaking and notching). It can also peak two frequencies at once or notch two frequencies at once. The operator is in total control with the Signal Enforcer, choosing not only the frequencies he wants to filter (from less than 100 Hz to over 3000 Hz) but the bandwidth as well (from less than 30 Hz to over 1000 Hz).

KRS ACTIVE



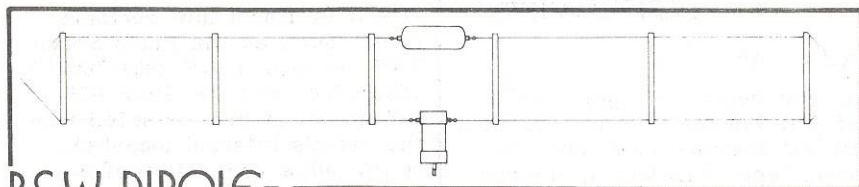
Antenna restrictions? Get our KRS All Band Active Antenna! This is an antenna which, because of its size, can be used almost anywhere, indoors or out! The antenna consists of three parts: a telescoping whip antenna with an FET preamp sealed in a weather proof PVC enclosure, attached to 25 feet of RG-58 coax, a post-amplifier located at the receiver, containing a high-power CATV type RF transistor for low inter-modulation distortion and a RF gain control to prevent receiver overload, and a small AC power adaptor.

The KRS has equal sensitivity to signals across its entire operating bandwidth, generally eliminating the need for several antennas all cut for different operating frequencies. It is not designed to have "gain" over a longwire, only serve as a good, physically small all-frequency antenna.

The Active Antenna can be battery powered for portable or field use. While NO antenna is better than another under all conditions, with all receivers, on all frequencies, the KRS All Band Active is, in general, equal to a 100 foot longwire over the 200 kHz to 50 MHz frequencies. Supplied with three feet of shielded cable for connection to the receiver, (phono plug to stripped and tinned leads).

PRICE: KRS All Band Active \$115.00 (+ freight)

OPTIONS: 25 foot coax antenna extension with plugs \$10.00. DC cord \$4.00. ACTIVE SPLITTER - Power four receivers from one Active antenna. As in single receiver version, but four outputs, includes antenna, power supply, and all coax \$130.00.



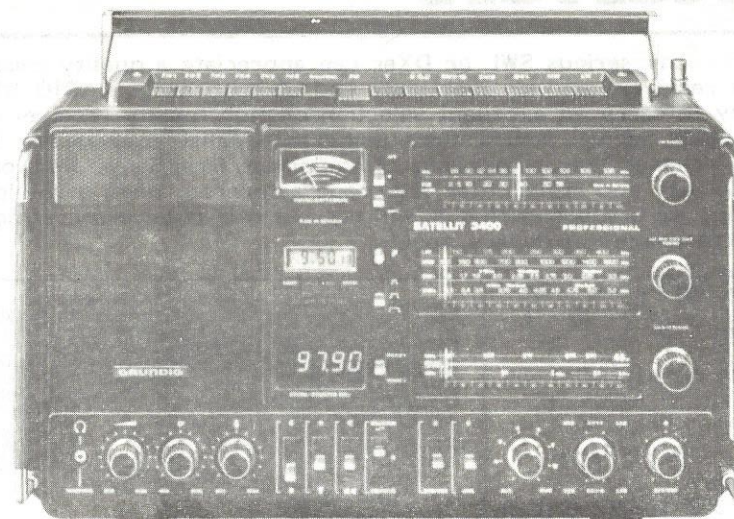
B&W DIPOLE

This is an excellent, professional broad-band folded dipole from Barker & Williamson. It is an ideal antenna for combined SWL and ham radio uses. It covers the entire 3.5 to 30 MHz frequency range with an SWR of 2.1:1 or less. Supplied completely assembled with high tensile strength steel copper-clad wire, 50 feet of RG-8U coax cable and PL-259 connector. It will handle up to 1 KW of power when used for transmitting purposes. This is a large (ninety foot) antenna and care should be taken in installation. All instructions are included. Blows 'em all away!

PRICE: B & W 370-15 \$149.50. (+ freight)

GRUNDIG

SATELLIT 3400



MODEL: Satellit 3400, ALL DIGITAL.

FREQUENCY RANGE: AM, FM, LW 150-400 kHz, SW1 1.6-3.25 MHz, SW2 3.3-5 MHz, SW3 5-6.5 MHz, SW4 6.5-8 MHz, SW5 8-10 MHz, SW6 10.5-13 MHz, SW7 13-16 MHz, SW8 16-19 MHz, SW9 18.5-23 MHz, SW10 24-29 MHz, Bandsread on 11, 13, 16, 19, 25, 31, 41, 49 meter bands.

ANTENNAS: MW - ferrite rod, LW/FM/SW - whip and external antenna terminals.

POWER REQUIREMENTS: 117-220 Vac, 6 "D" cells, optional dryfit 476 rechargeable.

CIRCUIT: SW double conversion 1st IF 2.0 MHz, 2nd 460 kHz.

OUTPUTS: Earphone/headphone, external speaker, record player, tape recorder, car aerial, external DC.

SIZE: 20"W x 11.6"H x 4.8"D.

WEIGHT: 19.5 lbs.

CONTROLS: Antenna trim, selectivity, tuning/battery, AFC, volume, bass, treble, lites, tweeter on, frequency

counter on, BFO, ANL, AVC/MVC, USB/LSB, FM tuning, LW, MW, SW1-2 tuning, SW3-10 tuning, 6 FM presets, (pushbuttons).

This is the best "all wave" portable available at this time at a reasonable price.

(+ freight)

PRICE: Satellit 3400 \$1000.00

Dryfit 476 \$59.00

Carrying case \$45.00

NEED ANY ASSISTANTS?



WIFE (awakening her husband): "The early morning radio setting-up exercises are on! You left the radio turned on when you went to bed!"

TIRED DX FAN

(after a hard night): "Please be quiet. I'm doing my daily dozin'."—A. H. Rodiek.

Communications Receivers

Any serious SWL or DXer can appreciate a quality communications receiver, and all eventually end up with one! RADIO WEST is happy to carry an excellent selection of high quality receivers, with careful, logical modifications using top quality components, to further enhance the performance of equipment from Sony, Kenwood, Drake, Yaesu and many other fine manufacturers. When a set leaves our shop, we are proud that it will out-perform receivers costing several thousands of dollars more!

FRG 7700

MODEL: Yaesu FRG-7700,
ALL DIGITAL.
FREQUENCY RANGE:
150 kHz - 29.999 MHz
continuous.
SIZE: 13"W x 5"H x 10"D.
WEIGHT: 14.3 lbs.



SENSITIVITY: 0.15 MHz - 0.3 MHz: AM - 30 uV/500 ohm, SSB/CW - 3 uV/500 ohm.
0.3 - 2 MHz: AM - 25 uV/500 ohm, SSB/CW - 2 uV/500 ohm.
2 MHz - 29.999 MHz: AM - 5 uV/50 ohm, SSB/CW - 0.5 uV/50 ohm, FM - 1 uV/50 ohm.

SELECTIVITY: AM Wide: 12 kHz @ -6 dB & 25 kHz @ -50 dB.
AM Medium: 6 kHz @ -6 dB & 15 kHz @ -50 dB.
AM Narrow: 2.7 kHz @ -6 dB & 8 kHz @ -50 dB.
SSB/CW: 2.7 kHz @ -6 dB & 8 kHz @ -50 dB.
FM: 15 kHz @ -6 dB & 30 kHz @ -40 dB.

ANTENNAS: Requires external antenna, binding posts and SO-239 connector provided.

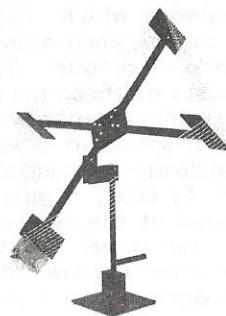
POWER REQUIREMENTS: 100/120/220/240 Vac, 13.8 DC

CIRCUIT: Double Conversion, "Up Conversion" 48 MHz 1st IF, 455 2nd IF.

CONTROLS: Power, mode, AF gain, tone, AGC, noise blanker, main tuning, attenuator, memory fine tuning, squelch, band, timer, dimmer, memory, memory recall, memory channel, clock.

This is the newest SWL receiver from Yaesu, it's general coverage, receives all modes of transmission and includes a 12-hour clock with timer and snooze options! Also available as an option is a 12-channel memory system that will store 12 frequencies of your choice, to be recalled as needed by simply turning the channel switch! The receiver technology is state-of-the-art in it's price range and uses the up conversion superhet scheme with a 48 MHz first IF. It features three positions of selectivity for AM, switchable AGC, and is very easy to use! For a full color specification sheet, please write!

SANSERINO LOOP KIT | BOX LOOP KIT



This kit is an un-amplified version of the Sanserino loop kit. Easy to assemble and lots of gain. All parts and instructions included.

PRICE: \$45.00 (+\$2.00 freight)

FERRITE LOOP KIT

This kit includes all parts and instructions to build a Radio West ferrite loop. Easy to assemble, amplifier already assembled.

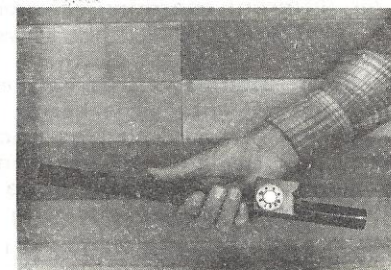
PRICE: \$125.00 (+\$3.00 freight)

BANDS: 540 - 1600 kHz (MW).

This is an excellent 2-foot diagonally measured air-core box loop for listening to distant medium wave (BCB) stations. The kit includes an assembled FET amplifier and all wire and hardware. You assemble the frame and wind the loop coil, then log the DX!! (You can paint or stain the frame if you wish).

PRICE: \$85.00 (+\$2.00 freight)

SHOTGUN LOOP



The Shotgun Loop is a passive (no battery required) antenna tuner/booster for the medium wave (BCB) band. It can attach to almost any portable radio, such as the Radio Shack TRF, Panasonic RF-2900/2800/2600/2200, and the Sony ICF-5900W. It is best mounted near the radio's internal loopstick. It will allow connection of an external longwire to any set it's used with. It is tunable, giving the medium wave band a remarkable boost, allowing reception of very weak broadcast stations not normally heard in your area. It is also quite directional and can be used to "null" local stations in order to hear adjacent channel signals much better than before!

Radio West LONGWIRE

BANDS: All.

Yep, you heard us right! We'll send you 100 feet of #16 stranded, insulated antenna wire, and two ceramic "egg" insulators, instructions on how to put it up, and you can create your own "longwire". For most folks, there is enough wire here for two longwires! You can expect excellent results, generally better than "commercial" factory dipoles, etc., plus you have the good feeling of knowing that 98% of us use this type of antenna and get *excellent* results!

PRICE: \$10.00 freight included.

PRICE: \$40.00 (+\$1.50 freight)

FM SCA DECODER

Receive FM SCA multiplexed programs on your FM radio. SCA is the medium used to broadcast "MUSAK" and other "closed" programs, in a similar manner that they broadcast stereo. Without a "MPX" decoder, you never know it's there. RADIO WEST can install a SCA adaptor in most FM radios. Listen to "Talking Books", MUSAK, Dr.'s Network and other specialized programs.

Available installed in RF-2600, RF-2900, RF-4900, ICF-6700. Others, please write.

PRICE: \$50.00 (Includes In/Out switch).

Antennas

Your antenna is an important part of your station - also probably the most misunderstood part of it! It's job is to collect weak shortwave signals, and feed them to the sensitive RF circuits of your receiver. The best types of antennas are generally too large and expensive for the average listener to erect on a city (or country) lot. Generally speaking, an outdoor antenna installation is best, strung as high as possible and away from power lines and other noise sources. We feel antenna tuners, per-se, are a poor investment - offering little advantage to the SWL. After looking at many antenna systems - we've decided to keep what works best - tried and proven!

FERRITE LOOP



BANDS: 150-540 kHz, 540-1700 kHz, 1700-5000 kHz via interchangeable coils.

A ferrite loop antenna is basically a resonant coil that can be tuned to different operating frequencies. Loop antennas are directional and somewhat selective. Rotating the antenna can aid in bringing in different stations. A loop can also be used to "null" a station, (make it very weak) allowing good reception of an adjacent channel.

The RADIO WEST loop is made from ferrite because of its size, stability, antenna Q and overall performance.

The actual antenna is a 22 $\frac{1}{4}$ " x 1" x 1" assembly of ferrite mounted on a small wooden stand. It can be rotated for peaking or nulling stations, and can also be tilted to further null stations. Mounted on the loop is a battery-powered high-gain FET amplifier.

To operate the loop, peak the tuning controls and turn the loop for best signal. The RADIO WEST loop is designed to cover three different operating frequency ranges, Long Wave, Medium Wave, and the 60, 90 and 120 meter tropical shortwave band and the 75, 80 and 160 meter ham bands. This is done with three different coils. We include all coils, a standard 9V transistor radio battery and shielded receiver feed cable terminated with tinned leads.

PRICE: Radio West ferrite loop \$155.00. (+ freight)

Modifications

"SWL" VERSION

We change the stock selectivities of this set so that the 12 kHz filter is discarded, and place the 6 kHz AM Medium filter in the AM Wide slot, placing our own 4 kHz @ -6 dB & 10 kHz @ -60 dB Super Ceramic filter in the AM Medium slot and leave the remaining 2.7 kHz ceramic in the AM Narrow/SSB positions.

"DXER" VERSION

We change out all of the old filters, installing our high quality 4 kHz ceramic in AM Wide, a 2.9 kHz Collins mechanical filter with amplified board in AM Medium, and a 1.9 kHz Collins mechanical in the AM Narrow/SSB slot. Definitely top of the line!

PRICE: FRG-7700 SWL \$560.00 FRG-7700 DX \$750.00 (+ freight)

DC MODIFICATION

Allows the FRG-7700 to be powered from an external DC source.

PRICE: DC Modification \$20.00. - with new set, or if set is here for other work, only.

R7

MODEL: Drake R-7
ALL DIGITAL.

FREQUENCY RANGE:
DC to 30 MHz.

ANTENNAS: External.
POWER REQUIREMENTS:
117 Vac.

CIRCUIT: Double conversion, 1st IF 48 MHz, 2nd 5.645 MHz.

OUTPUTS: Tape, headphones.

SIZE: 13.6"W x 4.6"H x 13"D.

WEIGHT: 18.4 lbs.

CONTROLS: Preselector, mute, preamp, AM/SSB, speaker, XTAL/VFO, notch, calibrator, NB, counter, RIT, selectivity, mode, notch, gain (RF, AF), antennas.

100% solid state broadband design, tunes DC to 30 MHz with no gaps, uses high level double balanced mixer, with a 48 MHz 1st IF, for excellent image rejection, and strong signal handling performance. The R-7 comes equipped with complete front end bandpass filters that operate from VLF to HF. External VLF preselectors are not required. Best versatility of all communications receivers with five selectivity positions, plus tuneable notch filter, passband tuning, three AGC time constants, digital readout to 100 Hz. 117 Vac, or 13.8 Vdc operation. Please ask for complete specification sheet.

PRICE: Drake R-7 with all filters installed \$1669.00 (+ freight)

Oh well, it's only money!



R 1000



MODEL: Kenwood R-1000, ALL DIGITAL.
 FREQUENCY RANGE: 200 kHz - 30 MHz.
 ANTENNAS: Requires external antenna, binding posts and SO-239 provided.
 POWER REQUIREMENTS: 100/120/220/240 Vac, 12 Vdc car option.
 CIRCUIT: Double conversion, "Up Conversion", 48 MHz 1st IF 455 kHz 2nd IF.
 OUTPUT: Phones, recorder, mute.
 SENSITIVITY: 200 kHz - 2 MHz: SSB 5 uV, AM 50 uV for 10 dB S+N/N.
 2 MHz - 30 MHz: SSB .5 uV, AM 5 uV
 SELECTIVITY: AM Wide: 12 kHz @ -6 dB & 25 kHz @ -50 dB.
 AM Narrow: 6 kHz @ -6 dB & 18 kHz @ -50 dB.
 SSB/CW: 2.7 kHz @ -6 dB & 5 kHz @ -60 dB.
 SIZE: 12.7"W x 4.5"H x 8.5"D.
 WEIGHT: 12.1 lbs.

A great all-band communications receiver from a proven leader in amateur radio manufacturing! The R-1000 tunes from 200 kHz to 30 MHz continuous, with both analog and digital frequency readout. An easily programmed digital clock is built-in and will turn your receiver and recorder on and off by simply "punching in" the times you desire. The blue/green digital readout frequency display doubles as the clock display by the use of a front panel switch. The set has one of the best "front ends" seen here in recent years, immune to crossmodulation and overloading. Additionally, it has very clean audio!

We are selling the R-1000 "stock" with modifications allowing the use of the 6 kHz AM Narrow filter in the Wide position, and the 2.7 SSB filter in the AM Narrow position. In addition, we change the AGC release time from "Slow" to "Normal".* While we feel that the R-1000 modified in this way is an excellent set for most people, we are offering several versions of the R-1000 aimed at the "Listener", "SWL" and "DXer".

PRICE: The "Stock" model, described above - \$460.00 (+ freight)

Modifications "SWL" VERSION

The "SWL" model has a 4 kHz Ceramic filter for AM Wide, and a 2.7 kHz Ceramic for AM Narrow and SSB.

3 Filter "SWL" Version - Three AM filters: 6 kHz AM Wide, 4 kHz AM Medium, 2.7 kHz AM Sharp.

PRICES: R-1000 SWL \$500.00. R-1000 SWL3 \$525.00 (+ freight)

VLF CONVERTER

Listen to Very Low Frequency time, aviation weather, and overseas foreign longwave broadcasts! We will install a VLF converter inside your receiver. In most cases this is controlled by a front panel in/out switch, and allows your receiver to cover the missing portion of the VLF spectrum by allowing you to tune from 5 kHz to 500 kHz (output 4.005 - 4.500 kHz).

Available for:

FRG-7 FRG-7700 R-1000 NRD-515

PRICE: VLF Converter installed \$85.00.

FRG 7000 MODIFICATIONS

This is an excellent receiver, recently discontinued by Yaesu, but worthy of "hotrodding"! We offer several modifications for this set. (3 Filters possible)

- 4 kHz Ceramic filter (AM Wide), installed \$50.00
- 2.9 Collins Mechanical Filter (includes front panel in/out switch) \$95.00 (AM Medium)
- 1.9 Collins Mechanical Filter for AM Narrow and SSB \$95.00.
- Switchable SSB filter. We rewire the set so that the existing 2.4 kHz Ceramic SSB filter can be used in the AM mode, giving you a choice of two AM selectivity options. (This takes the place of the "ANL" position on the mode switch). \$25.00.*
- Switchable AGC, consists of a front panel mounted slow/fast AGC switch \$30.00*
- DC Power Option. We install a DC power jack on the rear panel of the FRG-7000. Includes power cord. \$20.00.*

* Only if set is here for other work.

FRG-7000 "DXers" PACKAGE Includes a 4 kHz Ceramic filter for AM Wide, a 2.9 Collins mechanical filter for AM Medium, and a 1.9 kHz Collins mechanical for AM Narrow and SSB. Installed, \$240.00.

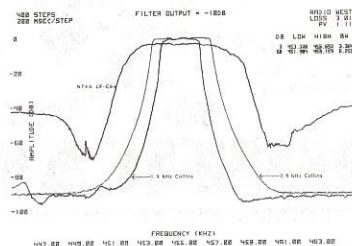
FRG-7000 "SWL" PACKAGE We install a 4 kHz Ceramic filter for AM Wide and a 2.9 Collins mechanical for AM Medium, plus rewire the mode switch to allow use of the existing SSB filter in the AM mode. Installed, \$160.00.

SPR 4 MODIFICATIONS

Use your 2.4 SSB filter for AM reception! Greatly increases the selectivity. We install a front panel switch (BFO On/Off) permitting the use of the sideband filter already existing in the SPR-4 for AM reception. We also modify the slow AVC release time of the stock receiver to "Slow", "Fast" or "Off", with a miniature toggle switch. A center off toggle switch is added to the front panel for this.

PRICE: \$60.00. (+ freight)

they cannot compete with mechanical types. Rockwell International (Collins Filter Division) was kind enough to run actual specs on two production filters, graphed below. They are being compared with a ceramic NTKK LFC-6, which is the standard filter for quite a few shortwave receivers.



RADIO WEST will install one or more Collins filters in your receiver, making it considerably better than stock. The filters include an additional stage of IF gain to both compensate for filter insertion losses, and then some! You end up with a highly selective receiver, with increased sensitivity and highly increased intelligibility on all shortwave and MW/LW bands.

PRICE: Collins Mechanical Filter installed \$95.00

Collins filters available for:

FRG-7 R-1000 NRD-515 Price includes installation. In some cases we can provide these filters as kits - please ask!
 FRG-7000 RF-2800 CRF-1
 FRG-7700 RF-2900 RF-4900

SUPER 4 kHz CERAMIC

In cases where high degrees of selectivity are not required, we carry an inexpensive, but high quality ceramic type filter. This will make quite an improvement in the selectivity of inexpensive "stock" filters, and provide a nice option for listening to the medium to large shortwave stations, with reasonable fidelity. Where the stock RF-4900 ceramic filter (AM Narrow) is 6 kHz wide at -6 dB and 18 kHz wide at -40 dB with -25 dB stopbands, our super ceramic is only 4 kHz wide at -6 dB and 10 kHz wide at -60 dB. This is an 8 kHz reduction in bandwidth, and roughly a 20 dB increase in skirt selectivity, quite an improvement!

PRICE: Super 4 kHz Ceramic with set from us \$40.00.

Installed in YOUR set \$50.00.

Filter KIT for FRG-7 and FRG-7000 \$30.00.

Super Ceramic filters are available for these receivers:

*FRG-7	*R-1000	RF-2600
*FRG-7000	NRD-515	RF-2800/2900
*FRG-7700	CRF-1	RF-4800/4900

*Already installed on "New Sets" from RADIO WEST, included in price.

"DX" VERSION

The "DX" version of the R-1000 offers three AM selectivity positions, (the AM Narrow and SSB filters are switched via a rear panel switch) the AM Wide is our 4 kHz Ceramic filter, AM Medium is a 2.9 Collins mechanical filter and AM Narrow and SSB is a 1.9 kHz Collins mechanical filter. This makes the R-1000 VERY versatile!

PRICE: R-1000 DX \$715.00. (+ freight)

SWITCHABLE AGC

Switchable AGC, slow-fast, rear mounted switch \$25.00*

DC MODIFICATION

DC Modification allowing use of the R-1000 with an external DC source \$20.00*

*Only on a new set from us, or if set is here for other work.

Where??

MAJOR HAM & INTERNATIONAL BROADCAST BANDS

1000 Hertz = 1 Kilohertz, 1000 Kilohertz = 1.0 MHz (megahertz). 1.0 MHz is at "1000" on the AM (MW) radio dial. The shortwave spectrum starts at the top of the MW dial, 1600, or 1.6 MHz. It is common practice, especially among "hams" to refer to bands in meters rather than in kilohertz.

Major Ham Bands

160 Meters = 1,800 - 2,000 kHz
 80 Meters = 3,500 - 4,000 kHz
 40 Meters = 7,000 - 7,300 kHz
 20 Meters = 14,000 - 14,350 kHz
 15 Meters = 21,000 - 21,450 kHz
 10 Meters = 28,000 - 29,700 kHz

Major International Broadcasting Bands

120 Meters = 2,300 - 2,495 kHz
 90 Meters = 3,200 - 3,400 kHz
 *75 Meters = 3,900 - 4,000 kHz
 60 Meters = 4,750 - 5,060 kHz
 49 Meters = 5,950 - 6,200 kHz
 *41 Meters = 7,100 - 7,300 kHz
 31 Meters = 9,500 - 9,775 kHz
 25 Meters = 11,700 - 11,975 kHz
 19 Meters = 15,100 - 15,450 kHz
 16 Meters = 17,700 - 17,900 kHz
 13 Meters = 21,450 - 21,750 kHz
 11 Meters = 25,600 - 26,100 kHz

*Also used for ham in U.S. These frequencies are not always observed. Communist Bloc countries are often found "out of band" as is the VOA.

Superphonic 7 is a world beater! An exceptionally high grade receiver that is amazing the Radio World. Latest 7 tube tuned radio frequency circuit, using 4 radio frequency amplifiers, detector and 2 stages of audio. Power tube can be used in last audio stage. Extremely selective, marvelous sensitivity. Single drum dial control. Straight line wave length condensers permit accurate, equally spaced tuning over entire wave band. All sockets spring cushioned to eliminate microphonic noises. Bakelite subpanel (2 1/2" deep) insures minimum dielectric losses. Clear and realistic reception guaranteed. An exceptionally beautiful, walnut finish, metal front panel 7" x 13". Complete chassis. No extra parts to buy. All parts mounted ready to wire. No special tools needed. All hook-up wire and colored battery cable included. Value \$60.00; our price \$16.95.

TESTED AND APPROVED

Severe laboratory tests have proved the remarkable efficiency of this set. Owners everywhere are sending us letters praising its wonderful receptive qualities.

SIMPLE WIRING DIRECTIONS

Very easy to wire this set with the instruction we furnish. Just connect a few wires. All you have to do is to follow numbers. Simple as adding 2 and 2.



Can be wired in a few minutes by anyone. No radio knowledge needed. Make money by wiring these sets in your spare time and selling them to your friends!

SEND NO MONEY

Radio News for November, 1928

Portable Communications Receivers



CRF 1

MODEL: Sony CRF-1

FREQUENCY RANGE: 10 kHz - 30 MHz

ANTENNAS: Whip and external connectors (BNC plus binding posts).

POWER REQUIREMENTS: 8 "D" cells, 117 Vac, external DC.

CIRCUIT: Double conversion superhet, 1st IF 55.845 MHz, 2nd 455 kHz.

SENSITIVITY: AM 10 kHz - 50 kHz - 30 uV, 50 kHz - 30 MHz - 1 uV. SSB 10 kHz - 50 kHz - 1 uV, 50 kHz - 30 MHz - 3 uV.

OUTPUTS: Timer, mute, recorder, headphone, external speaker.

SELECTIVITY: AM Wide: 10 kHz @ -6 dB & 18 kHz @ -60 dB
AM Narrow: 4.8 kHz @ -6 dB & 8 kHz @ -60 dB
SSB: 2 kHz @ -6 dB & 3.4 kHz @ -60 dB

SIZE: 10 3/8"W x 4"H x 13 1/8"D

WEIGHT: 14 lbs. 9 oz.

CONTROLS: Main tuning, power, mode, noise blanker, preselector in/out, preselector tune.

PRICE: CRF-1 stock \$1350.00

This set is a very advanced portable, and RADIO WEST is modifying it so that it is a completely portable high-quality communications receiver. We install all new filters, 4 kHz Ceramic in AM Wide, 2.9 Collins mechanical filter in AM Medium and a 1.9 Collins mechanical in AM Narrow and SSB. Further the AM Medium and SSB filter positions can be changed via a rear panel switch to allow using the SSB filter for AM Narrow. This gives three AM selectivity positions! Specification sheet available!

PRICE: CRF-1 Modified \$1605.00 Your CRF-1 Modified \$255.00
(+ freight)

RECEIVER



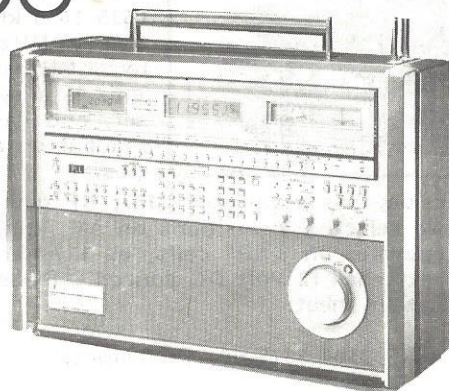
MODIFICATIONS

Why do we modify radios? Many times important specifications are ignored in the great "money battle" - to keep a certain type of set selling to as large a market as possible. While the companies that make the radios *could* put in higher quality components, it's easy to see that an increase of even \$1.00 for one higher quality filter x 100,000 units would cost an additional \$100,000 before any were sold! We are not under the same criteria here, as our market, (you!), is fairly defined, and we can give you the option of having "average" or "excellent" shortwave receivers and offer high quality filters or other modifications at very reasonable prices. Consider the fact that Collins mechanical filters are used in some of the worlds most expensive (\$20 thousand and up) receivers, such as Rhode Schwarz, R.F. Communications, Collins, Watkins Johnson, etc. We maintain a full shop, with quality test equipment, in calibration, staffed by persons that are technically competent, and also accomplished shortwave listeners - we know what is needed for good shortwave reception!

COLLINS MECHANICAL FILTERS

One of the things needed for good shortwave listening is the receiver's ability to separate the stations from each other - (called *selectivity*), on today's crowded bands. Years ago there were far fewer stations, using far less transmitter power than today's modern high frequency broadcasters. While overall, the advances in H.F. broadcasting are good, the ability to separate all the stations must be dealt with seriously. We offer "the best" filters for this purpose, available anywhere in the world. The Collins mechanical filter has important characteristics that make it unbeatable used in this fashion. The "nose" portion of the filter is broad and flat, (as opposed to pointed in cheaper ceramic and crystal types) which makes the resulting audio far more understandable. The "deep skirt" portion of the mechanical filter actually has response typically 25 dB lower than specified, (the industry standard is -60 dB) plus the spurious responses inherent in inexpensive ceramic type filters (called "stop bands") are *not there* with mechanical types. While ceramic filters do have their place in wider passband applications, by design,

RF 9000



MODEL: Panasonic RF-9000

Features:

- Programmable microcomputer with LCD clock turns radio On/Off and changes stations to any band up to 4 times over a 7 day period.
- PLL quartz-synthesized tuner.
- Pre-set tuner lets you find up to 15 stations at the touch of a button. Scanner lets you sample each pre-set station before selection.
- Direct-access tuning lets you tune to any frequency on any band by pressing the appropriate numbered buttons to make the frequency number.
- Tuning lock button. AC/battery operation. RF gain control.
- Liquid crystal frequency display. Manual tuning knob.
- 12 hr./24 hr. LCD clock can show current time, current time in another time zone, day/date, month, and pre-programmed station information.
- 25 pushbuttons for quick jumps across slide-rule tuning dial.
- Battery back-up system for clock and memory (batteries not included).
- Separate bass and treble controls. 3 step AM bandwidth selector.
- Meter for FM center tuning, signal strength, and battery check.
- Universal voltage (100 - 110/115 - 127/200 - 220/230 - 250V.
- RF gain control.
- 2 speaker system: 7" x 5" oval woofer and 2 9/16" tweeter.
- Operates on 8 "D" cells for radio, 2 "AA" batteries for clock.

WORLDS BEST PORTABLE! Complete specifications - write!

PRICE: RF-9000 \$2800.00.

(+ freight)

Panasonic Command Series



FRG 7

YAESU

MODEL: Yaesu FRG-7

FREQUENCY RANGE: .5 - 29.9 MHz (It'll go to 32 MHz.)

ANTENNAS: Requires external antenna, binding posts plus SO-239.

POWER REQUIREMENTS: 117 Vac, 8 "D" cells, or external 12.6 Vdc source.

CIRCUIT: Triple conversion, 455 kHz 3rd IF.

OUTPUTS: Recorder, phones, mute.

SIZE: 13.6"W x 6"H x 11.4"D.

WEIGHT: 15.4 lbs. (without batteries).

CONTROLS: Preselector tune, MHz tune, band, attenuator, tone, volume, mode, light, power, fine tune, main tune.

SENSITIVITY: SSB .7 uV for 10 dB S/N, AM 2 uV for 10 dB S/N.

SELECTIVITY: 6 kHz @ -6 dB & 14 kHz @ -50 dB.

The FRG-7 is a solid-state communications receiver covering 0.5 to 29.9 MHz continuous tuning in 29 bands. This versatile receiver can be run on conventional ac power, internal battery supply, or external 12 Vdc source. Use it ANYWHERE! Frequency readout is from a drum-type dial and offers accuracy within ± 2.5 kHz. It is capable of AM, CW or SSB reception. The set is also equipped with a three-position tone control, three position RF attenuator, and a tape recording jack.

ALL FRG-7 receivers from RADIO WEST are shipped already modified for better than stock selectivity (station separating ability). We install a sharper, higher quality ceramic filter in all of our new sets. The new filter specifications are: 4 kHz @ -6 dB and 10 kHz @ -60 dB. This is INCLUDED in our standard model FRG-7 at no extra cost.

PRICE: FRG-7 \$350.00 (+ freight)

FRG-7 Modifications

COLLINS MECHANICAL FILTER

Add a sharp "Super SWL" or "DX" filter to your FRG-7! We add an additional front panel switch between the volume and mode controls so you can switch your filter in and out of the circuit as needed. Your choice of bandwidths, please see our filter section.

PRICE: Collins Mechanical Filter \$95.00

DIGITAL FREQUENCY DISPLAYS

KRS DD-1-4D - Reads the kHz dial to 100 Hz (4 Digit) \$150.00

KRS DD-1 - Reads the kHz dial to 1 kHz (3 Digit) \$140.00

DIGI-DIAL - Inboard, replaces the kHz dial (3 Digit) \$115.00

For details, please see our section on "Digital Frequency Displays".

VLF CONVERTER

Add the 5 kHz to 500 kHz VLF band to your FRG-7. Includes a front panel in/out switch, converts the LW band up to 4.0 to 4.5 MHz shortwave.

PRICE: VLF Converter installed \$85.00.

SWITCHABLE AGC

A "Slow-Fast" switch is added to the front panel of the set. This permits switching the AGC response time to suit your taste and operating requirements.

PRICE: Switchable AGC \$25.00, Only available on a new set, or if your set is here for other work.

455 CALIBRATOR

This accessory provides an accurate BFO signal in the center of the receiver IF bandwidth to permit precise frequency measurement with our four digit display, the KRS DD-1-4D. While a digital display has high resolution (i.e., it reads received frequency in 1 kHz or 100 Hz steps), its accuracy depends on the ability of the operator to tune the receiver to the exact center of the received station's signal. This is not always easy since the station is audible when the receiver is tuned to within a couple of kHz either side of the station carrier frequency (depending on receiver IF bandwidth). With the Crystal Controlled BFO, instead of tuning the receiver for best audio or highest S-meter reading (which can be affected by adjacent stations) our BFO is turned on and the station rapidly tuned for "zero beat". The normal receiver BFO cannot be used for this since it is on the upper of lower edge of the IF for SSB reception, not in the center. In the FRG-7, it is normally wired on the mode switch in place of the "ANL", unless otherwise desired.

PRICE: \$45.00 (+ freight) Only available on FRG-7 receiver.

RF 3100

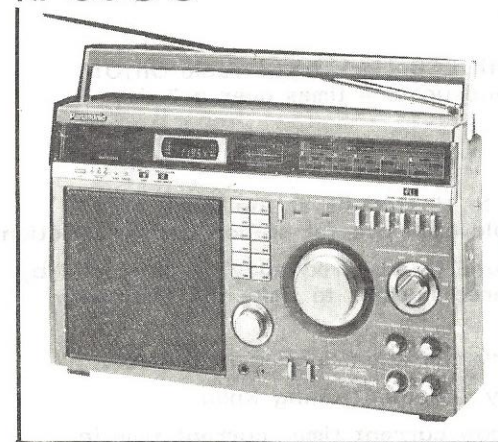


New from Panasonic, the RF-3100 covers MW (535-1605 kHz), FM (88-108 MHz) plus 1.6 to 30 MHz shortwave. This is a synthesized set, and has digital readout on all frequencies.

It's double conversion, has a variable BFO, RF gain, bass and treble controls, two selectivity positions on AM, tuning meter and a light switch. It operates on 8 "D" cells, or 117 Vac, plus has provisions for an external 12 Volt DC source. Please write us for a complete specification sheet!

PRICE: Panasonic RF-3100 \$319.00 (+ freight)

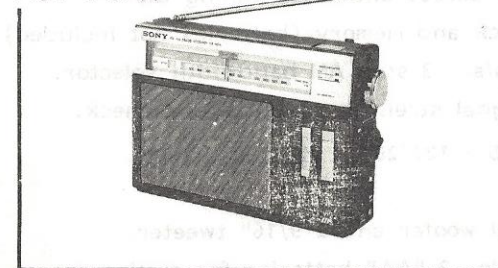
RF 6300



The RF-6300 is a synthesized portable communications receiver covering FM, MW, LW and shortwave to 30 MHz. It has a 12 channel memory, built-in clock with snooze option and doze button. The -6300 is double conversion, will operate on any AC voltage, uses 6 "D" cells for radio and 4 "AA" cells for the clock. Please write us for a complete spec. sheet!

PRICE: RF-6300 \$550.00 (+ freight)

ICF S5W



MODEL: ICF-S5W
FREQUENCY RANGE:
AM 530-1605 kHz, FM 87.5 to 108 MHz
SIZE: 8 7/8"W x 6 1/2"H x 2 3/8"D
WEIGHT: 2 lb., 10 oz.
Super hot TRF MW receiver from Sony! Selectivity mod available soon - please write.
PRICE: \$80.00 (+\$1.75)

These receivers were just introduced as this catalog was ready to go to press! For more detailed information on these receivers, please write or call us - we'll give you complete specifications and our suggestions on possible modifications!