

Editor, CORC Repeater Newsletter
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P.O. Box 398
Pataskala, Ohio 43062-0398



The Central Ohio Radio Club April 2003 Newsletter

Web Page at: <http://www.corc.us>

Place Label Here

The Central Ohio Radio Club Newsletter is the Official Journal of The Central Ohio Radio Club, Inc. and is published four (4) times a year. It is mailed to all Full and Associate Members. All copy or advertising must be received at least four weeks prior to publication. Articles may be reproduced for other publications as long as prior permission is obtained and source acknowledged. While the Editor makes all reasonable effort to assure the information within is correct, we do not guarantee its contents and disclaim all liability. We reserve the right to edit or reject submitted items for publication. Mail all copy to: Joe Hahn (W8NBA), P.O. Box 398, Pataskala, Ohio 43062. Items can also be e-mailed to newsletter@corc.us. Also visit CORC's Web Page at <http://www.corc.us>

The Central Ohio Radio Club, Inc.

The Central Ohio Radio Club, Inc. (CORC)

CORC operates repeaters on 146.76, 146.97, 147.33 and 444.200
In addition, CORC affiliates with repeaters on 145.49 and 442.800

Some of the features include:

- Autopatch access to Columbus, Delaware and West Licking County and Newark area.
- Rapid access dialing to public service or member telephone numbers.
- Repeaters used by the Weather Net in Central Ohio in support of The National Weather Service.
- PL used on all repeater outputs. Alternate PL tone used during announcements by Weather Net.
- Multiple receiver sites on in Franklin, Licking, Delaware and Logan Counties to ensure Excellent coverage throughout Central Ohio

General Membership allows you and all amateurs in your family at the same address full use of the CORC facilities, an OPERATING MANUAL, and subscription to the CORC Newsletter, and a vote at the annual meeting of the corporation.

Associate memberships are available to non-amateurs and to amateurs who are occasional users of the CORC facilities AND live outside the general coverage area of the repeaters.

1 Year Member Dues	\$18 per year	\$ _____
2 Year Member Dues	\$32 for 2 years (save \$4)	\$ _____
3 Year Member Dues	\$45 for 3 years (save \$9)	\$ _____
Associate Member	\$9 per year per member	\$ _____
Optional Repeater Maintenance Contribution		\$ _____

PLEASE PRINT

MARK ONE: *New Application* _____ *Renewal Application* _____

Call Sign _____ Name _____ E-mail _____

Call Sign _____ Name _____ E-mail _____

Call Sign _____ Name _____ E-mail _____

Street Address _____

City _____ State _____ Zip+4 _____

Home Phone () _____ Alternate () _____

How many listed above are ARRL Members _____ Check to request Autodial for Home Phone _____

Check to Request Newsletter to be E-Mailed _____

Make check payable to CORC. Please place call sign on check. Mail check and application to:

Joe Hahn, W8NBA, Membership Chairman, PO BOX 398, Pataskala, Ohio 43062-0398

For More Information either visit the website at <http://www.corc.us>
or call Joe, W8NBA at 740-927-9040

Thank You for your Membership and Support

The Central Ohio Radio Club Newsletter

April 2003

President

Laura Perone
KA8IWB

Vice-Pres

Anthony
Fabro
N8RRB

Secretary

Phil Carter
WD8QWR

Treasurer

Jim Gifreda
W8MAP

Newsletter

Editor

Joe Hahn
W8NBA

Membership

Chairman

Joe Hahn
W8NBA

Repeaters

146.16 / .76
W8RXX

146.37 / .97
W8RRJ

147.93 / .33
W8NBA

442.200

449.200

W8RXX

Associate

145.49 / 4.89

442.8/447.8

W8CMH

Annual Meeting Announced!

The Annual Meeting of the Central Ohio Radio Club, Inc. will be held on Sunday, May 4, 2003. As usual it will be held at the Genoa Township Hall on Old 3-C Highway, just north of Westerville. Not so usual is the fact that this is on Sunday. The Pot Luck Dinner will start at 6 pm. A flier is enclosed with this newsletter. The club will provide the soft drinks and coffee. Please bring a covered dish and serving utensils. Also, there is another article in this newsletter which contains more details on our guest speaker and special raffles, which include a Yaesu FT-2800M 2-meter mobile radio and a Nextel Cell Phone.

Election of directors, whose terms are expiring, will take place as well as an overview of the last year's operations. Those directors are: K8NIO, William "Trigg" Tabor, W8NBA, Joe Hahn, W8RXX, John Perone, and WD8QWR, Phil Carter.

Anyone wishing to nominate a member for a board position should contact Jim Gifreda, W8MAP, Chairman of the Nominating Committee, in writing, at least ten days prior to the meeting. Letters of Intent can be mailed to: Jim Gifreda, W8MAP, 8129 Township Road 150, West Liberty, OH 43357-9727. or can be e-mailed to Jim, at: Jim_Gifreda@2access.net. Any member can nominate or be nominated for a board position. Be sure to have the nominee present a letter of consent with your nomination.

For your information, and according to the by-laws, printed below is Article V, Section 10 "Election of the Board" from the CORC Constitution.

The election of Directors to replace those whose term has expired shall take place at the Annual Meeting of the Members, or at a special meeting called and held for that purpose. At least twenty (20) days prior to the date of which such an election is held, the Board of Directors shall appoint a Nominating Committee consisting of three (3) persons who may but need not be directors. Such committee shall prepare a list of candidates to fill the Board of Directors and nominate such candidates at the meeting. Other nominations may be made from the general membership; however; any candidate's name so placed in nomination must be submitted in writing and accompanied by written consent of the nominee to the Nominating Committee and least ten (10) day prior to the meeting. A director's failure to attend two (2) consecutive meetings may result in declaration, by simple majority of the directors, the position vacant...

MEMBERSHIP UPDATE

by Joe Hahn, W8NBA
Membership Chairman

Jim Gifreda, W8MAP has retired from the Membership Committee. I offered and was delegated the committee chairmanship. The reason I asked was because I now print out the labels for the newsletters here at home and keep track of the members receiving e-mailed newsletters. This is due to mailing the newsletter First Class. This way only one person modifies the database and hopefully it will help keep it straight. We would like to thank Jim for his many years of service as Membership Chairman. He continues to be the club treasurer.

CORC now has a total of 198 full pay members and 6 Associate members. Also, there are 46 family members and 8 life members.

Since the last newsletter was printed, the following persons have joined CORC:

KC8RCS	James Mehic
KC8LCW	David Drouse

Please welcome them when you hear them on the air!

CORC members and other individuals continue to donate time, talent and extra money to assist the club with its operating expenses. The following individuals have donated since the last newsletter was printed in January.

W8SJQ	Rocco Eramo	W8RRJ	John Hull
AA8EY	Bill Carpenter	K8NIO	Trig Tabor
N8OAM	Mary Carpenter	KA8IWB	Laura Perone
KD8OK	Mike Murphy	WD8QWR	Phil Carter
W8NBA	Joe Hahn	W8MAP	Jim Gifreda
N8RRB	Tony Fabro	K8VKA	Ed Schleppe
W8RXX	John Perone	WD8JKX	Steve Robeano

Let me switch hats here and talk about the newsletter a little. Those who signed up for the email version of the newsletter will get a message when it's done as well as a printed version this time. Every member will get a printed version of the newsletter every April for two reasons. First, this will remind them of the Annual Meeting in May and second, it will provide them with a dues statement on the label. If your label says "Expires 04-03" it's time to renew. The renewal form is on the back of the cover page. If none of your personal information has changed, just remove it from the newsletter and mail it in with your check. You don't even have to fill it out. Again, we are asking members who can and wish to receive an e-mail version of the newsletter to place your e-mail address on the form and mail it in. It helps save a tree or two and saves the club money. Those who have already given me their email address need not do it again. If you didn't get an email notification, then send me your address again, as somehow it didn't get on the list. Consider April's newsletter a test run. Thanks again.

More Annual Meeting Info

This year the Central Ohio Radio Club, Inc. is going all out to make this year's annual meeting something special. First, we are fortunate to have Art Towslee, WA8RMC as our guest speaker. His topic will be ATV, High Definition TV and Digital TV. Art has been involved in Amateur Television for many years and is sure to have an interesting presentation.

Next, Ed, K8VKA one of your CORC Directors and Owner of Comtech, Inc has generously donated a Nextel I-30 phone. Comtech is one of Columbus's best and most prestigious communications outlets. Raffle tickets may be purchased at the CORC Annual meeting. The winner **must** be present and activation is required to receive the phone. Additional details will be discussed at the meeting

And the granddaddy of them all is the big Mobile Rig Give-a-Way. That's right; CORC is GIVING AWAY a brand new Yaesu FT-2800M Mobile 2 Meter Radio. Every paid member that attends the meeting is given a free raffle ticket at the door. Members may improve their chances by purchasing additional tickets for a \$5 donation each. Non-members and guests of members may also purchase tickets. You **must** be present to win! Just think, you could walk out of the meeting with a brand new mobile radio.

Of course we will have the normal 50/50 drawing and the world famous grab-bags for door prizes. All you need to bring is a covered dish or dessert and serving utensils. The club will provide the drinks and place settings. Remember, Sunday May 4th at 6:00 PM.

Emergency Communications Exams

(Be a Certified Emergency Communicator)

What: ARRL Emergency Communications Certification (C-CE) exams ARRL C-CE Levels 1,2 and 3

Where: Universal Radio, Inc., 6830 Americana Parkway, Reynoldsburg, OH

When: April 26, June 28, August 23 (4th Saturday of even number months)

Time: 9:30 AM

Sponsor: Central Ohio Severe Weather Network

Contact Information: Wm. Trigg Tabor, K8NIO
614 766-2158 or k8nio@arrl.net (Please let us know that you will be there)

Additional information and Websites:

<http://www.arrl.org/cce/>

<http://www.severe-weather.org>

FRANKLIN COUNTY HAMFEST

>> AN ELECTRONICS FLEA MARKET OPEN TO ALL <<
BUY --- SELL --- TRADE

>>> AMATEUR RADIO EQUIPMENT <<<

ALSO
AVIATION, MARINE, ANTIQUE RADIO, AUDIO,
TELEPHONE, COMPUTER.

SUNDAY MAY 25, 2003 9:00 AM

FRANKLIN COUNTY FAIRGROUNDS,
JUST WEST OF COLUMBUS
(IN HILLIARD, OHIO)

Take the I-270 outerbelt to west side of Columbus, Ohio. Exit at Cemetery Road (Hilliard). Drive 1.5 miles west on Cemetery Road to Norwich Street and turn RIGHT (just before R/R overpass). Go 0.5 mile north on Norwich (look for fairgrounds signs) and turn right onto Columbia Street then strait ahead to fairgrounds entrance. Free Parking.

>>>> <<<<<

Admission at the door is \$5.00 per person to buy or sell.

Call in frequency 147.06 Mhz with ctcss tone of 94.8 hz. Courtesy C.O.A.R.E.S.

Inside sellers tables (8ft.) or outside sellers spaces are \$5.00 each. Set up time: 730AM.

Hotels, restaurants, and shopping are all near-by.

For more information, contact Chris Lind , KC8BUO, P.O.

Box 14281, Columbus, Ohio, 43214

Ph. 614/ 267-7779 FAX 614/263-7934

clind2@juno.com

Presidential Message

By Laura Perone, KA8IWB

It looks like spring is on its way. The Ground Hog potluck in February was a fun evening. We tried a different evening and saw some new faces. We had the Mansfield Hamfest and enjoyed getting out of the house to see everyone there; now, it is time to get ready for emergency preparedness. The Weather Net resuming and spring go together. Please remember to check into their nets, drills and if they are focusing on weather in your area.

This past winter has not brought major problems to the repeater system. A few link receivers went bad and were replaced. This spring we hope to see tower work done. The tower here is progressing. We hope with the warmer weather to get that finished up. Joe,

W8NBA, hopes to do some tower work at his place for the 147.33 repeater.

May brings our Annual Meeting. We are having our meetings on Sunday evenings this year. We hope to see you there for the Election of Directors, good food and visit with other hams. The club will have a mobile 2 meter radio to raffle away. You must be present to win. Each club member will get a free ticket and be able to buy additional tickets. We usually have a good time at these events so we hope to see you there. The end of May brings the Franklin Co. Hamfest at the Franklin Co. Fairgrounds.

Hopefully we will be seeing you at these events.

Central Ohio Severe Weather Watch

By John Montgomery, N8PVC

Wow, when did winter weather stop and spring weather begin? We've had a temperature swing of 40 degrees in a 24-hour period. With two weekends in a row of spring-like weather, the right conditions can bring severe storms. Long lines at the car wash are more and more common, as most of the snow has melted. If spring weather is here, severe weather is not far behind.

Amateur radio has already played a significant role in weather events around the nation this year. Tornadoes and severe thunderstorms have struck numerous times. SKYWARN, ARES, RACES and other

amateur radio volunteer groups have heeded the call before during and after these events. Closer to home, ice storms in southern Ohio and northern Kentucky have caused damage in the millions of dollars.

Preparation for this year is well under way. The Weather Net has been on the road with the National Weather Service (NWS) assisting with spotter training throughout central Ohio. The NWS training seminar includes numerous details and pictures from the Van Wert tornado. A better example of severe weather planning and execution would be hard to find.

This year the Weather Net is emphasizing the use of packet radio, especially APRS. We've made it part of the training presentation during the NWS seminar.

Packet radio is under utilized in our area. More automated weather stations are needed to provide data on current conditions. APRS tracking seems to be more popular but not enough amateurs are equipped. The Dayton and Cincinnati areas are blanketed with APRS weather stations. Come on central Ohio junk on board!

APRS provides enormous benefits for field spotters and our net control operators. Mobile spotters using APRS can be superimposed on a current NWS NEXRAD image. We know where they are and we know where the storm is. Their reports take on new meaning because know what view they have from their position.

Here are some URLs to wet your appetite.

<http://www.findu.com/cgi-bin/mapurl.cgi?call=n8pvc-2&xsize=600&ysize=600&refresh=180&scale=10000>

[http://www.findu.com/cgi-bin/find.cgi?call=AA8XA,KA8ZNY-4,K4WTF-14,](http://www.findu.com/cgi-bin/find.cgi?call=AA8XA,KA8ZNY-4,K4WTF-14)

e TRAVELI N' TONYS TI METABLESS

by: Tony Fabro N8RRB
afabro@sprynet.com

Greetings from Fostoria, Ohio, the unofficial rail capital of Ohio. On an average day over 100 freight trains and two passenger trains move through this small northwest Ohio town. It's noteworthy that a 1950 article on the area reported that the daily train activity was 117 freight trains and 16 passenger trains, not much more than today's level of activity.

When a spotter comes upon storm damage it is a simple matter to call net control so their position can be located on a street level map. Often when the weather service does a storm damage survey they can't always match locations with specific damage. APRS would make that problem disappear.

There are a variety of ways to implement APRS with different hardware and radio gear. It doesn't have to be expensive. The most expensive component is the radio that will transmit the information. All you need is a 2 meter rig on a single frequency. I'm using an HT and it works fine no matter what car I put it in. Grab a GPS receiver board with antenna off of e-bay for \$50 dollars or less and a TinyTrakIII for \$35, invest a couple of hours in assembly time and you can be on the air. The experts are in the area to advise you along the way.

Writing from Fostoria really has nothing to do with ham radio, but it has everything to do with this writer's procrastination to get his article to the editor! So between taking photos of trains I'm putting words down on paper.

The way trains communicate with each other and the yards, dispatchers, etc. isn't too far removed from how we communicate on ham radio. Both ham radio and railroads used Morse code to talk to remote locations. Now most communication is simplex for train to train or train to yard office communications. Some yard offices will use a repeater to help people with hand-helds to be heard. Train crews also receive information via radio from a device on the back of the train which communicates air brake pressure and direction of travel of the rear car.

Communication with the dispatcher is a little different. Most railroads use a series of strategically placed base stations connected via phone and microwave hookups to communicate with trains from a single remote location. The dispatcher simply selects the desired base station and is then able to transmit and receive from that station. In more remote locations, repeaters are used to boost the transmit/receive range of the trains' radio. We do the same thing on ham radio to boost the transmit/receive range of our radios!

Railroad signals have also taken the leap to wireless communications. Many remote signals are now accessed via radio links thus eliminating the familiar pole lines along the railroad tracks. Check out <http://www.atcsmon.com> for more information on how this works and how you can monitor it.

We can operate our radios via remote control, now railroads can operate their yard locomotives via remote control! New in the United States but in use in Canada for several years, an operator on the ground is equipped with a belt pack which enables him or her to run the locomotive and change switches at the same time. If the belt pack is not used after a certain amount of time, or senses that the operator is not standing, it will immediately stop the locomotive.

So next time you see a train, you'll know a little more about the role radio plays in making life on the railroad a little easier. Take a look at: <http://www.qsl.net/wa8pyr/rail.htm> for some local railroad frequencies.

Have a safe day!

OOOPS!!!

One of the pitfalls of mailing the newsletter First Class is a weight restriction. Fortunately, I got all the news I needed to send to the members within that restriction, but I can't print the Universal Radio Advertisement and stay within this restriction. We REALLY appreciate Universal's participation in the club and promise to get it in next time. The ad this month was on West Mountain Radio's Rig Blaster and Icom's 2720H, and Yaesu's FT-2800M, FT-897, and FT-857. Please call for current prices. You can visit Universal Radio at 6830 Americana Pkwy in Reynoldsburg or call them at 614-866-4267. Toll free number is 1-800-431-3939. They are also available on the Internet at: <http://www.universal-radio.com>. Again I am sorry I could not include the Ad, but it could not be helped. Please help support Universal Radio, your local dealer, as they help support us.

CORC ANNUAL MEETING and Pot Luck

SUNDAY

MAY 4, 2002

6:00 PM

GENOA TOWNSHIP HALL

CORC WILL PROVIDE

Soft Drinks

Coffee/Tea

Plastic Ware

Cups, Plates

\$\$ 50-50 Drawing \$\$

Mobile Rig Drawing

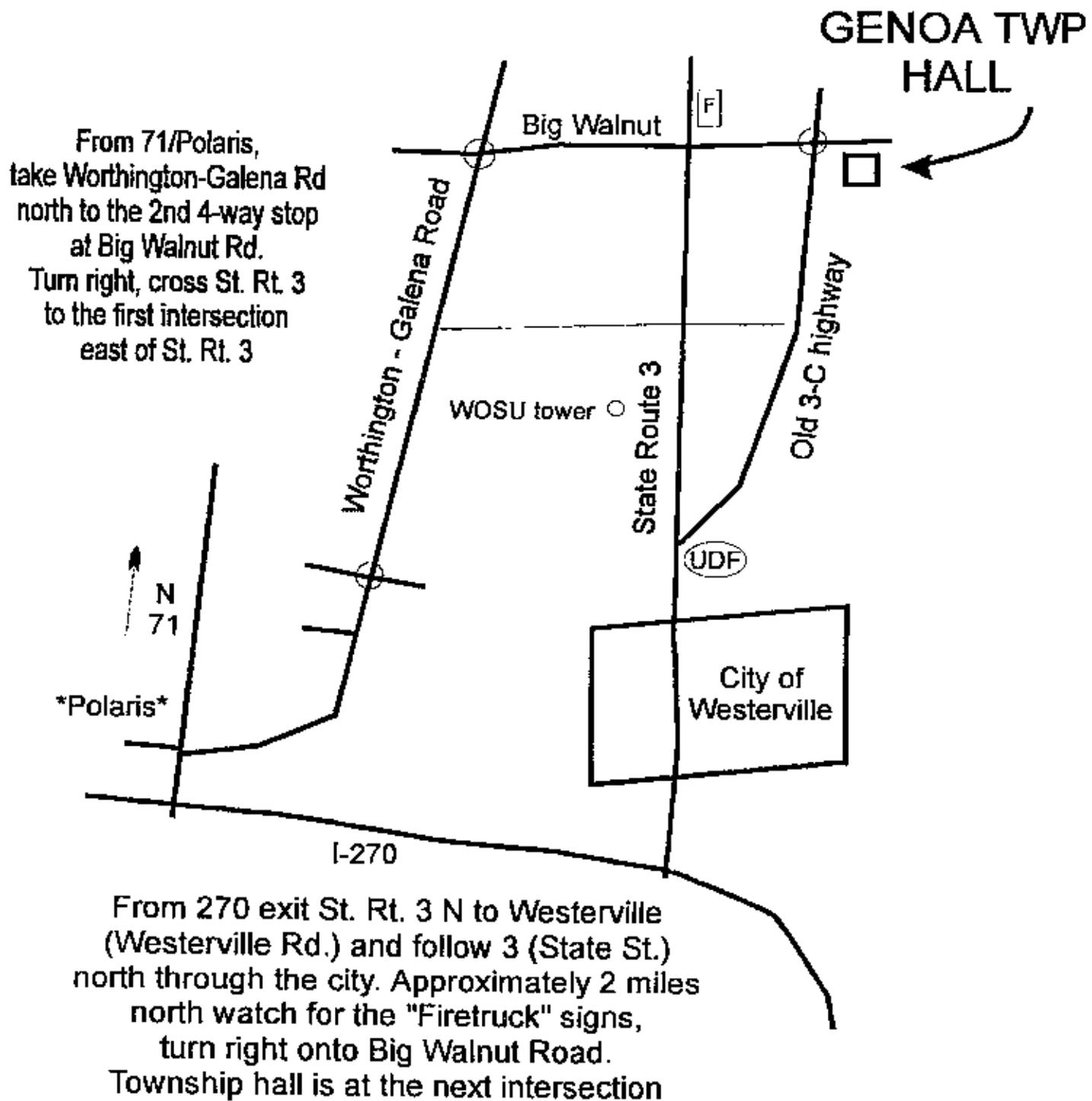
Nextel Phone Drawing

Grabbags and Other Surprises

Guest Speaker On Digital TV

Art Towslee, WA8RMC

Now that you know about it . . . Here's how you get there!



Universal Radio - Quality equipment since 1942.

West Mountain Radio

RIGBLASTER



The West Mountain Radio RIGblasters provide the easiest way to properly connect your radio to your computer's sound card so that you may operate using any present or future ham radio sound card software. RIGblasters are compatible with almost every radio and every sound card equipped computer. It is easy to adjust the audio to any radio's mic. input. Opto-isolators are used to the fully isolate computer ground circuit (other interfaces require extra ground screws, extra wires and extra cables to eliminate ground loops). All required cables are included for easy hook up using fully isolated audio and computer keying circuits. Effective RFI suppression eliminates RF in the audio. Positive and fully automatic PTT control or VOX operation is available. This is a quality product, supplied in sturdy 1/16 inch aluminum cases, powder coat painted and silk screened (no plastic pill boxes, sharp edges or plastic coated metal). Double sided 1/16 inch fiberglass plated through, solder masked and silk screened printed circuit boards are used. Commercial quality mini toggle switches are featured (no cheap slide or push switches). Stainless steel black anodized hardware is included.

The RIGblaster "Plus" model additionally features true keyed Morse and true FSK RTTY.

The RIGblaster Standard and RIGblaster Plus both come with 120 VAC power supply, cables, instruction manual and software CD. The supplied CD updates most Windows ham radio sound card program. It includes freeware for almost every mode including but not limited to: PSK31, Packet, FSK441, MFSK16, Hellschreiber, AMTOR, PACTOR I, MT63, CW, RTTY and SSTV. One full year parts and labor limited warranty by West Mountain Radio. (We also carry the Nomic).

#2226 RIGblaster M8 Standard \$109.95
#2227 RIGblaster Plus \$139.95

RIGBLASTER OPTIONS

#1930 4T8/K1T 4 to 8 Pin Adapter \$19.95
#3074 RJ/CBL RJ45 to RJ45 cable 3' \$6.95
#3158 FT100/CBL RJ45 to RJ22 cable 3' \$19.95

ICOM

2720H



The ICOM IC-2720H 2M/440 dual bander has all the features you want. You get: separate front panel, wideband receive, 4 power settings, built-in CTCSS decode/encode, selectable amber/green display, PC compatibility and 212 memory channels. Power output is 50/20/10/5 watts on 2 meters and 35/20/10/5 watts on 440 MHz. It is 9600 BPS packet ready too (6 pin DIN). The 2720H also includes a built-in duplexer, full function backlit HM-133 remote DTMF hand mic, MB-84 remote head mounting bracket, DC power cable and spare fuses. Main unit: 5.5x1.65x7.4 inches. Controller: 5.5x2x1.2 inches. Requires 13.8 VDC at 12 amps. (Optional MB-85 bracket available to mount the head *directly* to the radio).

Order #0272 Please call for current price.

YAESU

FT-2800M



- 200 Memories
- ARTS™
- Packet Ready
- DTMF Memories
- CTCSS Encode
- CTCSS Decode
- 65 Watts Output
- Weather Alert

The Yaesu FT-2800M makes high power operation affordable. CTCSS encode/decode built-in. Receive coverage is 134-174 MHz. Direct keypad entry is available via the supplied MH-48AJ6 backlit DTMF remote mic with four programmable keys. Other included items include: MMB-83 mobile mounting bracket, DC power cord with fuse, spare 15A fuse and base station feet. The fanless FT-2800M is built MIL-STD 810 tough.

Yaesu FT-2800M 144-148 MHz 65 watts
List \$195.00 Order #2800 \$159.95

YAESU

FT-897



- Dual VFOs
- APO/TOT
- IF Shift
- IF Notch
- 200 Alpha Memories
- CTCSS and DCS
- Memory Keyer
- Scope

The Yaesu FT-897 is the world's first multi-mode high-power base/mobile transceiver designed to fitted with internal batteries (optional) for portable use. The coverage is HF 160 to 10 meters plus 50/144/430 MHz. Receive is 0.1-56, 76-108, 118-164 and 420-470 MHz. It is ideal for home, vacation, emergency, rescue, DX-pedition or VHF/UHF rover operation. The large multi-color display can be programmed to show different colors on each band, mode, memory group or event to track signal strength by color! There are two antenna connectors HF/50 and 144/430. 7.9x3.2x10.3". With MH-31B8 hand mic and power cord.

Order #1897 Please call for current price

FT-857



- 160-2 M + 440
- Electronic Keyer
- 200 Alpha Mem
- DSP
- 100 W HF Output
- 50 W 2M Output
- 20 W 440 MHz Output
- Spectrum Display

The Yaesu FT-857 is the worlds's smallest HF/VHF/UHF multimode amateur transceiver. But don't let the diminutive size fool you. The FT-857 is loaded with features, high power output and a receiver that blends the renowned performance of the FT-897 and FT-1000 Mark V. It provides coverage of the 160 to 6 meter bands plus the 144 MHz and 430 MHz bands! And look at the receive coverage: 0.1-76, 108-174 and 420-512 MHz. Refinements include: spectrum display, 32 color display, beacon mode, keyer, 200 alphanumeric memories and CTCSS. Includes MH31 hand mic.

Order #0857 Please call for current price



Showroom Hours
Mon.-Fri. 10:00 - 5:30
Thursday 10:00 - 7:00
Saturday 10:00 - 3:00

universal radio inc.

Universal Radio, Inc.
6830 Americana Pkwy.
Reynoldsburg, OH 43068

◆ 800 431-3939 Orders-Prices
◆ 614 866-4267 Information
→ 614 866-2339 FAX Line
dx@universal-radio.com

Guaranteed lowest prices on the web?
Not always. But we do guarantee that you will find our website the most informative.
www.universal-radio.com

- ✓ With required purchase.
- ◆ Prices & specs. subject to change.
- ◆ Prices shown are after mfg's coupons.
- ◆ Returns subject to a 15% restock fee.
- ◆ Prices and promos valid to 03/31/03.