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The Central Ohio Radio Club
January 2010 Newsletter

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

Place Label Here

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The Central Ohio Radio Club

The Central Ohio Radio Club, Inc. (CORC)

***CORC* operates repeaters on 52.70, 146.76, 146.97, 147.33 and 444.200**
***CORC* affiliated repeaters are on 145.49 and 442.800**

Some of our features include:

Autopatch access to Columbus and Delaware. IRLP linking on 147.33
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.
Multiple receiver sites on in Franklin, Licking, Delaware and Logan Counties
to ensure excellent coverage throughout Central Ohio.

General Membership allows full use of the *CORC* facilities, Operating Manual, subscription to the *CORC* Newsletter, and a vote at the annual meeting of the corporation.

<u>We welcome amateurs of your family at the same address a family membership at no charge.</u>

Associate membership is available to interested parties that live
outside the general coverage area of the repeaters for $10.00
Associate members have no voting privileges and receive an e-mail copy of the newsletter.

1 Year $18.00
2 Years $32.00
3 Years $45.00

***Dues Enclosed* $ _____**
***Optional Repeater Donation* $ _____**
***Total* $ _____**

Please circle one: ***New Application*** ***Renewal Application*** ***Associate Application***

Call Sign _____ Name_____ e-mail_____

Call Sign _____ Name_____ e-mail_____

Call Sign _____ Name_____ e-mail_____

Street Address_____

City_____ State_____ Zip_____

Home Phone ( ) _____ Alternate ( ) _____

How many listed above are ARRL Members ____ Check to request Autodial for Home Phone____

Check to Request Newsletter by e-mail ____

Please make check payable to *CORC* and place call sign on check. Mail application with check to:

John Perone, *CORC* Membership Chairman, 3477 Africa Rd., Galena, Ohio 43021

For More Information visit the *CORC* website at http://www.corc.us

John, W8RXX at 740-548-7707

Thank You for your Membership and Support !

Rev.11-09

The Central Ohio Radio Club Newsletter

January 2010

President
Laura Perone
KA8IWB

Vice-Pres.
Phil Carter
WD8QWR

Secretary
Tony Fabro
N8RRB

Treasurer
Steve Robeano
WD8JKX

Newsletter Editor
Joe Hahn
W8NBA

Membership Chairman
John Perone
W8RXX

Repeaters

52.70 / 52.94
W8RRJ

146.16 / .76
W8RXX

146.37 / .97
W8RRJ

147.93 / .33
W8NBA
IRLP Node 8094

444.200
449.200
W8RXX

Associated Repeater

145.49 / 4.89
442.8/447.8
W8CMH

CORC Annual Meeting Announced!

The 40th Anniversary Meeting of the Central Ohio Radio Club, Inc. will be held on Sunday, January 31, 2010 at the Genoa Township Hall. The Pot Luck Dinner will start at 6 pm. A flier is enclosed with this newsletter. This the 40th anniversary of the club and the first General Meeting held in January since our fiscal year has changed. The club will provide soft drinks, coffee, paper plates and plastic ware. Please bring a covered dish and serving utensils. Because of this special occasion, we spared no expenses to convince you to attend. We are giving away a Two-Meter Mobile Rig, a Yaesu 1900R. You can find more information about the radio in the Universal Advertisement later in this newsletter. Like previous radio raffles, any paid up MEMBER present, is automatically given one ticket per family. Non-member and additional tickets may be purchased at the door for $5.

Gary Mackey, K8EHB from the Delaware Node 4186 will be on hand to give an informative presentation on IRLP, how it works and its use. If you plan on using IRLP in the future, you will not want to miss this presentation. IRLP is now on the 147.33 repeater.

Election of directors, whose terms are expiring, will take place as well as an overview of the last year's operations. Those directors are: Anthony Fabro N8RRB, Laura Perone KA8IWB and Warren Hull W8VET. Volunteers for committee chairs will also be taken and appointed by the President.

Anyone wishing to nominate a member for a board position should contact W8NBA, Joe Hahn, Chairman of the Nominating Committee, in writing, at least ten days prior to the meeting. Letters of Intent can be mailed to: Joe Hahn, PO Box 398., Pataskala, OH 43062-0398 or can be e-mailed to Joe at: jhahn@columbus.rr.com. 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 current 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) days prior to the meeting. A director's failure to attend two (2) consecutive meeting may result in declaration, by simple majority of the directors, the position vacant...

The 147.33 Repeater IRLP Node 8094

By Joe Hahn, W8NBA
147.33 Repeater Trustee and Board Member

IRLP is here! The club now has a node on the 147.33 repeater site and it is working great. Instructions on how to access the node will be in the CORC tone sheet attached later in this newsletter. IRLP stands for "The Internet Radio Linking Project." As stated on their website, "The aim of this project is to reliably and inexpensively link amateur radio systems without the use of RF links, leased lines, or satellites. The IRLP uses Voice-Over-IP (VoIP) custom software and hardware. Coupled with the power of the Internet, IRLP will link you to the world in a simple and cost effective way. IRLP operates a worldwide network of dedicated servers and nodes offering very stable worldwide voice communications between hundreds of towns and cities. All of this with unsurpassed uptimes and the full dynamic range of telephone quality audio."

A few years ago CORC Director Ed Schellpi, K8VKA sk, started the club on its way to obtaining a node when he purchased and donated equipment to the club and started working on the project. It was his insight that saw how this could be very beneficial for the members. After Ed's passing, I was offered the equipment and started the long learning process of interfacing the unit to the repeater and with LOTS of help from John Perone, W8RXX we finally made our first contacts a few weeks ago. The first thing we did was to repair the links on the 147.33 repeater, getting them back on frequency and reinstalling the club owned link transmitter. For the last few years 33 has been running on a Kenwood Mobile with an input impedance mismatch making the audio sound pretty bad.

After upgrading the repeater, we had to come up with a way to interface the unit with the controller. John came up with some relays to connect the audio to the repeater that could be controlled remotely and I read thru the programming manual and set up macro codes to make it work.

Gary Mackey, K8EHB of the Delaware, Ohio node 4186 was also a big help in getting this thing on the air. His technical guidance was very much appreciated as he came through with the answers when I was the most frustrated. Chuck Wood, WA8KKN also lent much needed technical support.

Well now that you know how it got here, all you have to do is go out and try it. Please be patient and listen for a few seconds when you first come on the frequency to make sure that no one is already using the node and listen to the reset beeps. If the repeater is in the IRLP mode, there will be a single reset beep and cw identifiers. Calling on IRLP is just like dialing a phone. You will need to know what node you want to connect to. A list of nodes as well as many other operating tips can be found at the IRPL web site at: www.irlp.net . Again the repeater codes are in the CORC tone sheet found later in this newsletter. Now go have some fun.

Membership Update

By John Perone, W8RXX
Board Member and Membership Chairman

Many thanks to following members who have donated time, talent, money, or equipment to the club in addition to their dues since the last newsletter was printed.

KB9RDS	W8OLO	KD8MDH	KA8RTI	W8NBA	W8RXX
W8RRJ	WD8JKX	K8VKA	N8RRB	WD8QWR	WB8RUW
N8RRB	N8PCJ	K8NIO	KA8IWB		

We want to thank the NEW MEMBERS that have joined CORC since the last newsletter was printed.

KC8QVO	Steve D'Amico	N8QCL	Bob Brobeck
KD8MGQ	Duane King	KD8LUY	Homer Workman
KD8MHD	Robert Lahmon		

Please welcome them when you hear them on the air.

Congratulation to the following winners at the November 2009 CORC meeting.

Andie (XYL of KD8BDO) - 50/50 Drawing
WA8KKN - LED Lantern
KB8UVN - WOSU Discount Book

Ohio Amateur Station Antenna Legislation Update

Recently the Ohio Senate has a companion Bill for House Bill 212 - Senate Bill 218! For text of the Bill, visit the Ohio House of Representatives Website: http://www.house.state.oh.us/ Click on legislation at the bottom. Then in “find bill by number”, enter it to see the bill.

Thank everyone who has been contacting your State House Representatives and Senators. This could not have been done without your help! The work is not done yet, though. There are hearings and testimonies to work through. The best thing we can all do is what we have been doing... keep in contact with your State Representives, and have then sign onto the Bills, if they have not done so already.

25 years ago in the CORC Newsletter… December 1984

"…the Columbus Development Commission [met on] October 25. Approximately 150 hams showed up to voice their disapproval of a proposed ordinance which would limit antenna height to 35 feet… …At the Commission's request, Columbus hams are being surveyed to determine the heights of typical towers currently being used."

"Packet Radio Update – On the local scene, WB8WGA operates a BBS (Bulletin Board System for you youngsters) which is available 24 hours a day. Bob's system utilizes a VIC 20 computer with a single disk drive and permits file storage and retrieval… …System software consists of a home-brew BASIC program…"

"New to the local packet radio community is Joe, WD8NBA, the assistant editor of the 'CORC Repeater News'. Plans are underway to put the newsletter on the BBS as soon as some bugs in the way it handles long files are ironed out… …Remember that 'advance perusal' has been available via RTTY on the 93/33 machine for several years."

2010 – Celebrate the Past, Prepare for the Future

by: Anthony "Tony" Fabro N8RRB
CORC Secretary and Board Member

The year 2010 promises to be an exciting one for The Central Ohio Radio Club. In 2010, the club will celebrate its 40th anniversary, usher in a new fiscal year calendar, likely receive 501(c)3 non-profit status, and roll out IRLP on the 147.330 repeater.

We first celebrate the history of the club. It was Father's Day 1970 when the 146.760 repeater was put on the air. Many of those involved in the project still are with us today and active in ham radio. It ushered in a new era of amateur radio in Central Ohio. Today the two meter repeater continues to be the place where most new hams make their first on-air contact. And the 146.760 repeater continues to be the premier repeater system in Central Ohio, if not beyond.

The new fiscal year calendar and 501(c)3 status go hand in hand. Several years ago the club looked at moving from being a not-for-profit group to a non-profit group. At the time the administrative work alone was enough to deter a small volunteer organization such as ourselves from going through with the process. Recent changes have made this easier, and the club filed the paperwork in late 2009. All indications are that we will be approved for 501(c)3 status. Becoming a 501(c)3 organization will open the door to many opportunities for the club.

As a part of this organizational change, the club would have to be reorganized and new constitution written and approved by the members (approval was done at the June 2009 Annual Meeting). In conjunction with this was the changing of the fiscal year to correlate with the calendar year (Jan 1-Dec 31). One major benefit to this change is that it will make it easier for the membership to keep track of when they need to renew their membership.

Finally, Internet Relay Linking Protocol (IRLP) will be deployed on the 147.330 repeater in 2010. The Technical Committee has been testing the setup on the repeater and should have the final bugs worked out soon. If you have heard them testing it you may have heard some of the QSOs made around the country and around the world (I think the farthest I have heard was New Zealand!). It is a newer offering of ham radio, and one I think people will enjoy if nothing else just to listen to.

And this is just the tip of the iceberg for 2010. The club has many projects on its to-do list to maintain and enhance the CORC system. We look forward to an exciting year, and salute those who have helped CORC get to where it is today.

Have a safe day.

Notes from the President

By Laura, KA8IWB
CORC President

Another year has quickly gone by. In 2009, CORC decided to go from April to April membership to calendar year membership. Although the first few years will be confusing it should help out in years to come. The club voted on at the Annual meeting in June.

Also, at the Annual meeting the club voted to apply for 501(c)3 status. Steve, WD8JKX, John, N8PVC, John, W8RXX and myself have worked on the paper work to submit to the government. Steve has put in many long hours working on this. This is why our Annual meeting has gone from May or June to January or February. We plan to continue to have three potlucks a year.

Many years ago Steve, WD8JKX and Ed, K8VKA/sk, thought the club should look into IRLP. Many have worked on the project. Parts went from person to person. This fall Joe, W8NBA, thought he should finish the project in Ed's honor. He felt it could find a home on the 147.33 machine. Joe has spent many hours collecting all the parts and configuring it to work with the 147.33 controller. IRLP is now up and running thanks to all Joe’s work. I hope to hear many of you using this new feature.

Did you know the reset beep is what resets the timer on the repeater? The CORC controllers are programmed with additional time after the mic is unkeyed to allow others to join the conversation if they so desire before the reset beep. There is no need to wait for the repeater carrier to drop out.

So there is no confusion, Ed, K8VKA, became a silent key. His son, Tom, has since gotten his license and was able to get his father's call. Congratulation's Tom, K8VKA!

Hope to see you on January 31 at Genoa Twp Hall.

73,

Please check the label on the front cover of this newsletter for your expiration date. With the change in CORC’s Fiscal year, dues are now payable in January instead of April. We want and need you as a member so please check to make sure your dues are current. Just send in the cover page with your payment if your information is still up to date. Please make any changes on the form if you need to.

WWW.CORC.US

By: Joe Hahn W8NBA
CORC Webmaster

We have had the web site online for many years now, but how many of you have actually been there. We have stored all kinds of club information at that site. The newsletters for the last 10 years as well as the constitution, operating manual and membership application can all be found there. Contact information for club officers and officials are also there. As printing and mailing costs rise, it is very much appreciated when you receive all your printed matter from the club electronically. Saves us money and saves a tree or two. We understand that not all of you can do that and are happy to mail you a hardcopy of any document that club has. Just contact the Membership Chairman John Perone W8RXX either on the air or by phone.

Those receiving electronic information need to insure that their e-mail address be current and direct. Most of the bounced addresses we have come from a forwarded address. Also please allow us as a permitted address as some ISP's such as Earthlink will automatically stick everything in a SPAM folder unless you previously approve it. Right now of the close to 200 members the club has, about half elect to receive electronic newsletters, but 20 or so of those addresses bounce every issue. We want you to receive and read the newsletter. We will always mail out one issue a year, announcing the General Meeting to meet a requirement of the By-Laws and Constitution.

The Last Few Words

By Joe Hahn W8NBA
Newsletter Editor

It's hard to believe that 40 years ago a group of amateurs were putting the first 2-meter repeaters on the air. Man was ready to walk on the moon and those of us old enough barely remember Woodstock and the 60's at all. Early repeater builders of the day were John Hull W8RRJ, W8LGL George Cryder, K8VKA Ed Schleppi and Dee Wheeler W8GKN. Using modified tube type commercial radio gear, they put the 146.34 – 146.76 repeater on the air. This was way before the standard 600 kc offset we now use. To really appreciate what they did, you can read the story from the April 2000 30th Anniversary Issue of the newsletter that can be found on the web site.

Just as those experimenters did back then we are still trying new and different forms of communications on the ham bands. We have had Packet and RTTY for years and now we are working with IRLP and Digital Repeaters. Who knows what new form of communication is next for us.

As you have probably noticed I have written a lot of this newsletter. While I have a great group of Officers and Board Members that write articles, I really wish we could get more information from you, the members. Let us know what you are working on or bring up a topic you are interested in. Bought a new radio you love, write a review of it, one you hate, let us know that too. We don't want to be a utility company that you pay for once a year and forget. Come to the General Meeting on Jan 31st and get to know all of us. There are big changes in store coming soon and you don't want to miss them.

2010 CORC MEMBER TONE CODES

Confidential **- DO NOT DISCUSS ON THE AIR - MEMBERS ONLY!**

146.76 & 146.97
Emergency Autodials

***0 Columbus Police**
***1 OHP**
***2 Columbus Fire**
***3 AAA Road Service**
***4 Franklin Co. Sheriff**
***5 Reynoldsburg Police**
***6 Westerville Police**
***7 Worthington Police**
***8 Weather Net**
***9 Delaware Co. Emergency**

To place a call to any of above Emergency Agencies simply ID, wait for reset beep then press *n
The Emergency Autodials have a 10 minute time out timer - *see below to extend*

Regular Autopatchs

The 146.76 repeater has a 740 area code located in Southern Delaware County
To dial 740 numbers including Delaware & Sunbury * nnn-nnnn
It can access Columbus numbers. Example of dialing * 614 nnn-nnnn
Note: If 1 is dialed before the 614 the call will not be allowed - toll restrict is active

The 146.97 repeater has a 614 area code located in Franklin County
It can call 614 area codes directly
Example of dialing: * nnn-nnnn

To end a call on either of these repeaters a single # command is required

The Regular Autodials have a 3 minute time out timer - *see below to extend*

Other features on 146.76, 146.97, & 147.33

Repeater Commands	146.76	146.97	147.33
Time of Day	80	80	n/a
Touch tone test	52 nnn	52 nnn	n/a
Echo Test	725*	n/a	n/a
Repeaterisms	41	n/a	n/a
Patch timer extend	*1	**3	n/a
IRLP Enable - Normal Mode	n/a	n/a	1743
IRLP Disable	n/a	n/a	1740
IRLP node connect (from chart)	n/a	n/a	nnnn
IRLP node disconnect	n/a	n/a	73

ICOM IC-RX07 SUPER SPECIAL

The best deal you will find on a wideband portable receiver.

Buy the Icom IC-RX07 at our special sale price of $199.95 and we will also include:

✔ ***FREE Race Scanning book***

✔ ***FREE* Go Bag**

Go Bag and book are also sold separately.

ICOM RX7

The **Icom IC-RX7-05** is a slim and smart wideband receiver that tunes from 150 kHz to 1300 MHz (less cellular and gaps) in these modes: AM, FM Narrow and FM wide. It features a large, backlit LCD plus a nice keypad. It is splash resistant to equivalent IPX4 standard. CTCSS and DTSC decode is built in. Other features include: keypad, RF Gain, Attenuator, Auto Power save and voice squelch control. A built-in ferrite rod antenna provides good medium wave reception. A total of 1650 scannable alpha-numeric memories are available. Many sophisticated forms of scanning and searching are supported. Comes with: BP-244 Li-Ion battery, MB-122G belt clip and BC-149A charger. Regular price $299.95.

List $364.00 *Order #5007* **$199.95**

Price shown is after $20 Icom instant coupon.

YAESU

VX-8R
VX-8DR

- Dot Matrix LCD
- Optional BlueTooth
- Optional GPS/APRS®
- CTCSS/DCS
- AM/FM Wideband Rx
- Weather Alert
- Backlit Keypad & LCD
- Submersible
- Dual Receive

The **Yaesu VX-8R** HT provides 5 watts FM on 50/144/430 MHz plus 1.5 watts on 222 MHz. It supports Blue Tooth hands-free operation with the optional items. There is also an optional GPS unit. This radio supports APRS® (B band only). The VX-8R is submersible to IPX57 specs. It supports simultaneous independent 2-signal dual receive function with both V+V or U+U. It has weather alert and a barometric sensor is included. The dot matrix LCD provides memory tags (to 16 characters). You even get a high-resolution spectrum analyzer with ±60 channels indication with wave monitoring of received and modulated signals! DCS and CTCSS encode and decode are standard. A 7.4 V 1100 mAh Li-Ion battery is included. 2.36 x 3.74 x 0.92".

Yaesu VX-8R *Order #0008* **Please Call**

The slightly more expensive **VX-8DR** version is enhanced for even more sophisticated APRS® applications. Please see our website for details.

Yaesu VX-8DR *Order #1608* **Please Call**

Visit our website for great used equipment values too.

Yaesu items included with your order ...

✔ ***Yaesu emergency Go Bag with any Yaesu Handi-Talkie***

✔ ***Yaesu Black Ball Cap with any Yaesu Mobile Transceiver***

FT-7900R

NEW!

- 1055 Memories
- ARTS™
- Packet Ready
- DTMF Memories
- PL Encode/Decode
- DCS Encode/Decode
- Backlit DTMF Mic
- Five Hyper Memories

The **Yaesu FT-7900R** provides 50 watts on 2 meters and 45 watts on 430 MHz. The well designed front panel provides simple, safe operation. Features include: over 1000 memories, Packet 1200/9600 jack, extended receive 108 to 520 and 700-990 MHz (less cellular). It is WIRES and ARTS™ compatible. The FT-7900R comes with a MMB-36 mobile mounting bracket, DC cord and MH-48A6J Up-Down, illuminated DTMF mic.

List $329.00 *Order #0790* **CALL**

FT-1900R

NEW!

- 221 Memories
- Wires™
- NOAA Weather
- DTMF Memories
- CTCSS Encode
- CTCSS Decode
- 55 Watts Output
- Weather Alert

The **Yaesu FT-1900R** provides Yaesu's legendary mechanical toughness in a low-cost, high-performance, 2-meter FM transceiver. It has strong receiver performance, covering 136 to 174 MHz. It has illuminated front panel keys and boasts 200 memories. You get CTCSS and DCS Encoder and Decoder circuits. 5.6 x 1.6 x 5.8 inches. The FT-1900R is similar to the famous FT-1802M, but adds a *Memory Only* mode and provides 5 more watts.

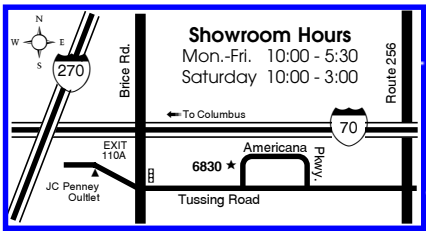
List $193.55 *Order #1900* **CALL**

HT GO BAGS

These insulated bags are great for creating an *Emergency Go Bag* for your HT. There is plenty of room for your radio, batteries, accessories, *Repeater Directory* and more. The top is zippered and it has a carry strap plus an open pocket on the front panel. 8 x 6 x 5 inches.

Alinco Logo - Red	*Order #0611*	**$7.95**
Icom Logo - Blue	*Order #0589*	**$7.95**
Kenwood Logo - Green	*Order #0592*	**$7.95**
Yaesu Logo - Orange	*Order #0429*	**$7.95**

✔ **Looking for a new HT? Universal Radio will give you the appropriate Go Bag *FREE* with your new HT purchase to 01/31/10.**



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◆Prices shown are after mfg's coupons.
◆Returns subject to a 15% restock fee.
◆Prices and promos valid to 01/31/10

CORC 40th ANNUAL MEETING and Pot Luck

SUNDAY

January 31, 2010

6:00 PM

The Genoa Township Hall

CORC WILL PROVIDE

Soft Drinks

Coffee/Tea

Plastic Ware

Cups, Plates

$$ 50-50 Drawing $$

IRLP Presentation by

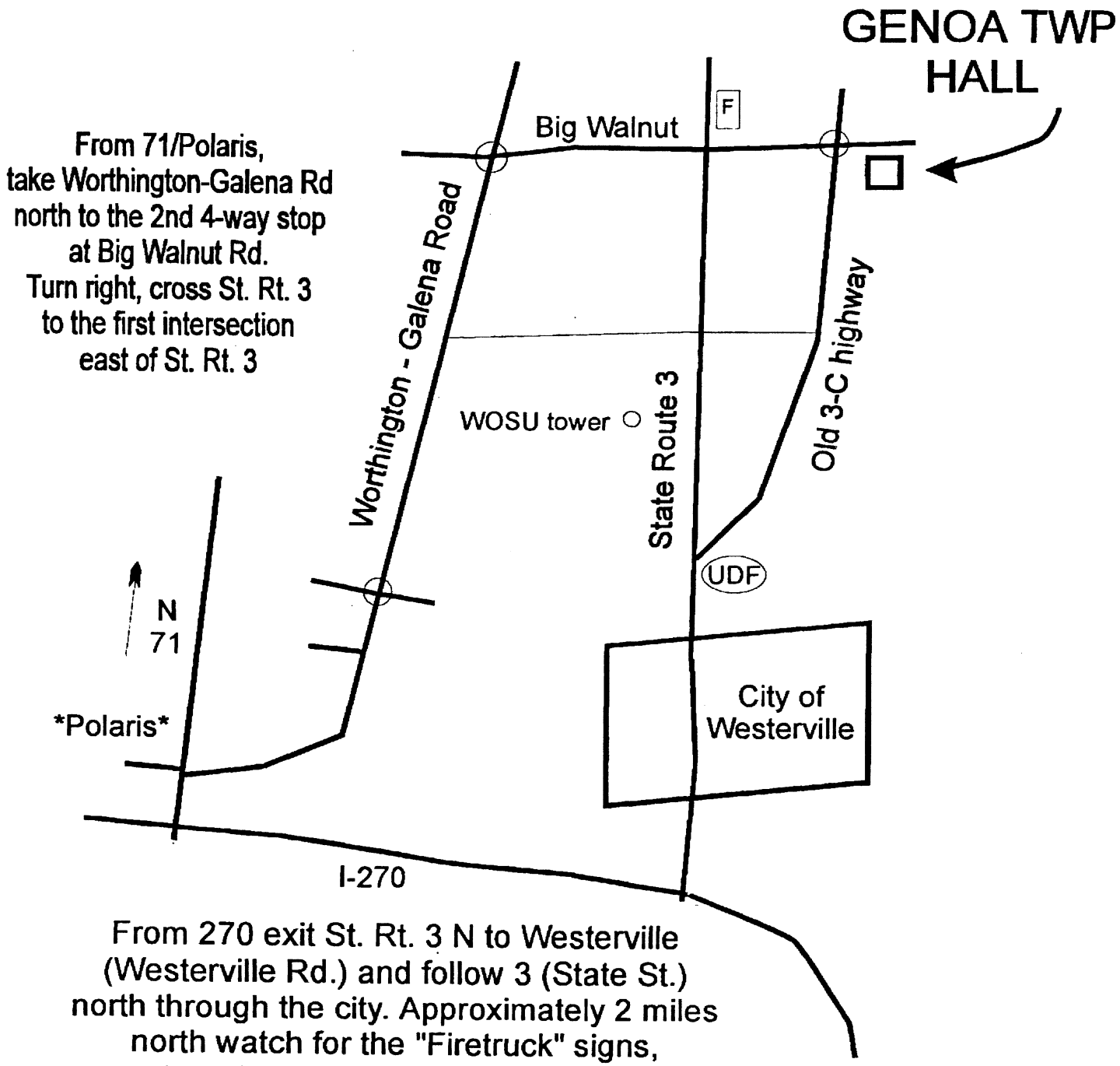
Gary Mackey K8EHB

BIG RADIO GIVE-A-WAY

2-Meter Yaesu 1900 R Mobile Transceiver

Must be present to WIN, Extra Tickets $5

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



From 270 exit St. Rt. 3 N to Westerville (Westerville Rd.) and follow 3 (State St.) north through the city. Approximately 2 miles north watch for the "Firetruck" signs, turn right onto Big Walnut Road. Township hall is at the next intersection