THE CENTRAL OHIO RADIO Club, INC.

The Central Ohio Radio Club Newsletter is the Official Journal of The Central Ohio Radio Club, Inc. and is published thre (3) 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 quarantee it's 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 Items can also be faxed to 740-927-6701.

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The Central Ohio Radio Club Sертемbеr 2011 Иеwsletter



Editor, CORC Repeater Newsletter Joe Hahn (W8NBA) P.O. Box 166 Sunbury, Ohio 45074-0166

Universal Radio - Quality equipment since 1942.



TH-F5

- LCD Dot Matrix Display
- 128 Alpha Memories
- FM Rx 88-108 MHz
- Encode/Decode
- VOX Function
- Wide/Narrow BW
- LiON Battery
- 4/2/1 Watts RF

The **TYT TH-F5 VHF** is a value priced 2 meter HT. Power output is selectable at 4, 2 or 1 watts. Receive coverage is 136-174 MHz plus the FM broadcast band! The bandwidth is 12.5/25 kHz selectable. This radio is supplied with 7.4V 1500 mAh Li-ion battery, drop-in charger, SMA type antenna, belt clip and carry strap.

List \$99.00 Order #5565



TH-UVF1

- VOX Function
- Built-in CTCSS/DCS
- 12.5/25 kHz
- Multi Scanning Modes
- Dual Display
- 128 Memories
- Voice Feature
- 4/0.5 Watts Out

The TYT TH-UVF1 is an affordable 2 meter/440 handheld amateur transceiver with extended receive including the FM broadcast band. Power output is selectable at 0.5 or 4 watts on 144-148. 430-450 MHz. This feature-rich radio has very good build-quality despite its modest price. The bandwidth is 12.5/25 kHz selectable This radio is supplied with 7.4V 1500 mAh Li-ion battery, dropin charger, SMA type antenna, belt clip and carry strap. The vehicle cigar-type DC charging cable will also be included for a limited time. One year limited U.S.A. warrantv.

List \$180.00 Order #5541 \$109.95

A.R.R.L. AMATEUR RADIO EMERGENCY **COMMUNICATIONS COURSE**

Includes: Intro to Emergency Comms, Amateurs as Professionals, Basic Communication Skills, Working Directly with the Public, Basic Communication Skills, Emergency Nets, Net Operating Guidelines, National Traffic System, Message Handling, Preparing for Deployment, etc. Fourth Edition ©2011 344 p. List price \$24.95

Order #5753 \$22.95

GRUNDIG 63



The Grundig G3 Globe Traveler is an innovative portable radio covering long wave, AM, FM (stereo to earphone jack), continuous shortwave plus the VHF aircraft band. It features dual conversion AM/SW circuitry for exceptional sensitivity and image rejection. It offers S.S.B. - Single sideband reception. It has a large 700 channel memory system with memory scan and auto tuning storage. Memories may be labelled up to 8 characters. Unlike other portables in its class, the Globe Traveler offers Synchronous Detection. This special feature addresses the issue of selective fading and adjacent channel interference on shortwave. Other enhancements include: Wide/Narrow selectivity, auto search, RDS, signal indicator, Local/ DX switch, direct frequency entry and 24 hour clock with four alarm timers. It has an external antenna jack, earphone jack and line in/out jack. Requires four AA cells (not included). If four NiMH AAs are inserted, they may be recharged inside the radio. With manual, protective pouch and AC adapter/charger. 6.62 x 4.13 x 1.1 inches. 13 oz. **G3 Globe Traveler** Order #4033

Looking for a new HT?

Universal Radio will give you a FREE HT Go Bag with your Icom, Kenwood or Yaesu HT purchase through 10/31/11.

These bags are also available for purchase at \$7.95 each.





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

The Yaesu VX-8DR 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 BU-1 and BH-1A or BH-2A accessories. There is also an optional GPS unit and antenna with loads of features. This radio supports APRS® 1200/9600 bps data communication (B band only) and is WiRES compatible. In fact, this latest "D" version adds these APRS enhancements:

- ✓ Smart Beaconing™ Function.
- ✓ Station List memories raised from 40 to 50.
- ✔ APRS® Message mems raised from 20 to 30.
- ✓ New DIGI-PATH route indication function.
- ✓ Heads up compass display to the GPS screen.
- ✓ Msg received LED flashing rate is selectable.
- ✓ DIGI-PATH route settings raised from 1 to 7. The VX-8DR is submersible to IPX57 specs. A 7.4 V 1100 mAh Li-Ion battery is included. 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/modulated signal! DCS and CTCSS encode and decode are standard. 2.36 x 3.74 x 0.92".

List \$566.00 Order #1608 \$409.95



VX-8GR

The Yaesu VX-8GR HT provides 5 watts FM on 144/430 MHz. Receive is 108-999 MHz in NFM/FM modes. Unlike the VX-8R, this radio is not BlueTooth capable, does not have the SU-1 built in and is not submersible. It is however APRS capable (B band only) and even has a GPS built-in. DCS/CTCSS en-

code/decode is included. Supplied with 7.4V 1100 mAh Li-ion battery. This model is not compatible with all VX-8R accessories.

List \$540.00 Order #3008 \$339.95





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

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Central Ohio Radio Club, Inc. (CORC)

Operating repeaters since 1970

Membership application

CORC operates repeaters with outputs on 52.70, 146.76, 146.97, 147.33 and 444.200

Some of our features include:

Autopatch access to Columbus area phones. IRLP linking on 147.33
Rapid access dialing to public service or member telephone numbers.
Repeaters used by the Central Ohio Weather Net and Central Ohio Traffic Net.
Multiple receiver sites located in Franklin, Licking, Delaware, Pickaway 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.

We welcome amateurs of your family at the same address a family membership at no charge.

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.

Please see dues schedule for amount to send	Dues Enclosed \$ Optional Donation - CORC is a 501(c)3 \$ Total \$			
Please <u>CIRCLE</u> 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 ma	ny above are ARRL	Members CORC is	s an ARRL affiliated club!	
Check	to Request Newslet	ter by e-mail (this saves	the club mailing cost)	
Ple	ase make check pay	able to CORC and place	e call sign on check.	

Mail application with check to:

Central Ohio Radio Club, PO Box 166, Sunbury, Ohio 43074-0166

For More Information call John, W8RXX @ 614-579-0522 or visit the CORC website at www.corc.us

Thank You for your Membership and Support!

Rev 8-11

CORC DUES SCHEDULE

THIS TABLE ADJUSTS EXPIRATION MONTHS TO THE CALENDAR YEAR

Month you are Joining	Selecting	\$18 One Year Plan	Selecting	\$32 Two Year Plan	Selecting	\$45 Three Year Plan
Or your expiration month	Pay	To Expire on Dec 31	Or Pay	To Expire on Dec 31	Or Pay	To Expire on Dec 31
JAN						
FEB	\$18.00		\$32.00		\$45.00	
MAR						
APR						
MAY	\$14.00	2011	\$28.00	2012	\$41.00	2013
JUN						
JUL						
AUG	\$9.00		\$24.00		\$38.00	
SEP						
ОСТ						
NOV	\$18.00	2012	\$32.00	2013	\$45.00	2014
DEC						

Since 1970 CORC Membership still is only \$18.00 for 1 yr - \$32.00 for 2 years - \$45.00 for 3 years

We are striving to get every ones membership to the calendar year schedule. Thanks for your understanding!

Associate Membership is \$10.00 per calendar year regardless of application date for those who live outside the coverage of the repeaters. All associate memberships expire December 31 of the year joining.

All associate memberships receive the newsletter by e-mail only.

If you have difficulty understanding this chart please call membership chairman... Thanks! 8-11

The Central Ohio Radio Club Newsletter

President Laura Perone KA8IWB

Vice-Pres. Phil Carter WD8QWR

Secretary Tony Fabro N8RRB

Treasurer
Steve Robeano
WD8J KX

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 Repeaters

145.49 / 4.89 442.8/447.8 W8CMH

September 2011

CORC Announces Fall Meeting

The Central Ohio Radio Club is announcing its Fall Pot Luck Meeting on October 2, 2011. It will be held at the Genoa Township Hall at 6PM. Our guest speaker for the evening is EMike, KC8YLD, and ARRL Ohio Section Affiliated Club Coordinator. We look forward to hearing what information on the ARRL EMike has to offer us as we have recently become an ARRL Affiliated Club. EMike is not a typo; I guess we will find out why he goes by EMike at the meeting.

I'm sure we will have plenty of good food to enjoy. Please bring a covered dish or dessert to share as well as serving utensils. CORC, as usual will provide drinks and plastic tableware. Look for the fridge flyer later in this newsletter for more information and directions. The latest info on this will be on the CORC website at: www.corc.us. Don't miss this fun event.

Central Ohio Traffic Net

By Tony Baker, KC8PZ

Hi all CORC members! My name is Tony Baker, KC8PZ, Net Manager of the Central Ohio Traffic Net (COTN). I would like to welcome all members and fellow ham radio operators to check in to the net on the 146.970 repeater at 7:15 PM, 7 days a week.

COTN is a local net of the American Radio Relay League (ARRL) National Traffic System (NTS) and specializes in handling 3rd-party radiogram traffic into, out of, and throughout central Ohio. It is a training net and welcomes all newcomers to traffic handling. On air training is given during the net and written training materials are available on our web page at http://www.cotn.us.

As a National Traffic System net, COTN is organized and intended to assist the ARRL Amateur Radio Emergency Service (ARES) county organizations in central Ohio who in turn work closely with and serve emergency and relief agencies, e.g. Emergency Management Agency, public safety agencies, American Red Cross, etc. Most COTN stations are also ARES stations.

While modern technology has made communication more reliable, in times of major emergencies, formal written message traffic continues to be relied upon for passing information into and out of the disaster area. Our purpose is to train operators to be proficient in traffic handling so that they will be ready in case a disaster would affect our area.

Hope to hear you on the net and 73!

Membership Update

By John Perone, W8RXX

We want to welcome the following who have joined CORC since the last newsletter was printed. Please welcome them when you hear them on the air.

N8ECC	Alan Klotzbach	KC8SSF	Gary Rundio
KD8QFO	Gene Richards	KD8LUW	Duane Vanone
KD8KBX	Stan Sutton	KD8OEE	Tony Sirianni
N8WCT	Chris Greenhalgh	KD8MKI	Jim Scott
N8CPA	Steve Stirling	N0IMD	Brian Burke
KD8OLJ	Shannon Barber	KD8ODY	Dave Barber
N8VW	Pat Collins	WD8TA	Tate Antrim
KC8PZ	Tony Baker	AK4FL	Fred Locke
W8GEJ	Al Hunterson	W8FNW	Jim Ashton
K8NJ	John Ness		

The membership chairman accidentally left off one of our "old time" members from the membership list in the last newsletter.W8SJQ, Rocco Eramo is still very much a member and CORC appreciates his continuing donation of an antenna site in Hilliard. Sorry Rocco!

Thanks to the following CORC members who have donated time, talent, extra money or equipment to the club in addition to their dues since the last newsletter printing.

WD8JKX	KA8IWB	W8RRJ
W8RXX	WD8QWR	W8SJQ
K8NIO	K8VKA	WA8KKN
W8RXX	N8OCQ	WD8TA
KC8PZ	W8FNW	W4FNW
W8GEJ	KD8BDO	KD8QFO
W3ENL	KA8RLC	W8NBA
N8RRB		

Congratulation to the following winners at the June 2011 CORC Meeting!

N8LPX	Ron won the 50/50 Drawing
KA8CYA	Ross won a Bob Evans gift certificate
N8VJH	Bob won a WOSU gift book

K8SV Rick won a O'Charley's gift certificate

A notice from the ARRL OO's (Official Observer)

The FCC has started to issue citations on unintelligible identifications. Many of us make certain people understand our names but rush through our call. We all need to remember this while on the air. Please ID once every 10 minutes, and the use of the phonetic alphabet is encouraged. The control operators have been instructed to enforce FCC part 97.119 requiring clear identification. The repeaters can be shut off if this rule is not followed to protect the trustee of the repeater and the club...

Message from the President

By Laura Perone, KA8IWB

CORC has become an ARRL affiliated club this summer. If you are not a member of ARRL already, please think about it as their lobbyists work hard to protect our frequencies and YOUR hobby.

We welcome the Central Ohio Traffic Net as it has moved to our clubs 146.97 W8RRJ repeater at 7:15PM, 365 days a year. Take a listen and learn how to pass formal traffic. They will welcome you with open ears!

Autumn is coming and so is time to get back on the radio. If you haven't been on 146.76 this summer you find some coverage changes as we have eight receivers up and running. This should especially assist stations West & South of Columbus. WA8KKN and W8RXX have worked many, many, hours to get this done in a manner that many of us didn't know it was happening. There are still locations that you may be able to hear the repeater transmitter on your handi-talkie but have difficulty accessing the repeater. Handi-talkies with rubber ducks are wonderful receivers but don't have the ERP of a mobile radio. If you do use a handi-talkie in a vehicle PLEASE use it with it mobile antenna. W8NBA has been busy tweaking the IRLP link. I hope you have taken advantage of it.

Our next CORC gathering will Sunday, October 2. It is a potluck at Genoa Township Hall, north of Westerville. I hope you can make it. It is great to have an eyeball with contacts you have made on the repeaters. Invite a non club member to attend as they are always welcomed. I always enjoy putting a face with a call. I hope to see you there.

Construction update:

The downtown receive site at I-71 & East Broad is getting a new roof on the building. We had to remove all the antennas till the job is completed. This affects 147.33, 146.97, and 146.76. We will have the site operational again as soon as we get the go ahead from the building owner. This should be towards the end of October.

146.76 Repeater – The upgrade is complete!

All eight receive sites are operational. An updated map of the eight receive sites for 76 is on the clubs web page at www.corc.us You can also find information on the clubs other repeaters there. Check it out... There will be user code changes coming for 2012 year. Please make certain your dues are up to date. The emergency speed dials are operational, however having a different area code on the autopatch line user speed dials are NOT OPERATIONAL at the present time. There will be much more information on the upgrade at the 2012 Annual meeting.

K8SV's presentation:

We heard nothing but GREAT REVIEWS of K8SV (now WA3UOO) presentation on battery safety and operation at the June meeting. THANKS RICK!

Travelin' Tony's Timetables

by: Anthony "Tony" Fabro N8RRB

Recently I've seen a few articles stating that a new record has been achieved regarding the number of licensed hams in the U.S. As of the end of August there were over 741,000 licensed hams in the U.S., more than at any other time. I think when I got my callsign in 1992 there were something like 550,000 licensed hams so things are trending in the right direction.

When I got my license things were much busier on the ham frequencies, especially on the local repeaters. During rush hour it was common to hear 4-6 repeaters active simultaneously. Local club membership was climbing and about to reach an all time high. Things were very busy! By contrast, today you might find one repeater busy (usually 146.760) during rush hour. Everything else is silent. Club membership is half of what it was years ago.

In these articles about the record ham membership, people have applauded the efforts of the hobby to promote and preserve it, and to keep it from dying like so many other hobbies. While this true, what good is it if few are participating? We could have a million hams but if no one talks then what's the point of giving us a pat on the back for achieving a record number?

We have almost 25% more hams than we did 20 years ago, yet we have a fraction of the activity and club membership. So where is everyone?

I struggle with the standard response "the Internet". I agree that it might have taken away from the evening and night time "rag chew" conversations that lasted for hours. But what about all the people who used to be around during rush hour or during the day?

Another standard response is "cell phones". I agree that cell phones have certainly reduced the number of autopatches on the repeaters. But are we to say that everyone is talking on their cell phone as they drive to and from work or for other activities?

Finally, the other reason give is that "there's so much going on." People are so busy driving from event to event to event that they don't have time to get on the radio. And therein lies the rub for me. We have more hams than ever, and it seems like in order to go from point A to point B you have to drive twice as long as in years past. If anything we should have more activity of mobile operators on the repeaters than ever before.

There is another point to this article. Simply stated, we, as hams, need to stay active on our frequencies. The old saying "use it or lose it" applies here. There are entities who would like to have our frequencies, and if we don't use them they become an easy target to be taken away. As noted a few months ago, there was pending legislation which would have taken away part of the amateur 440 MHz frequencies. Fortunately those in the hobby made it clear that it was critical for us to maintain our frequencies which prompted a change to remove the amateur frequencies from the legislation. Another battle won.

But think about it – when was the last time, if ever, you spoke on 440 MHz? Never? Well, let's just say that chances are you have but didn't even realize it! If you've spoken on a CORC two meter repeater, you've spoken on 440 MHz as the links from the receivers to the controller are on UHF frequencies. Had the legislation gone through the club would have had to made changes to the links.

Bottom line is this: ask yourself how you can be more active in the amateur hobby. Participate in a net, talk on a repeater when traveling to work or even just listen to the frequencies. Eventually the desire will hit you to transmit again. Hope to hear you on the air! Have a safe day.

73

The first authentic use of 73 was in the publication "The National Telegraphic Review and Operators' Guide", first published in 1857. At that time, 73 meant "My love to you"!

Within a short time, the use of 73 began to change.

In 1859, the Western Union Company set up the standard "92 Code." A list of numerals from one to 92 was compiled to indicate a series of prepared phrases for use by the operators on the wires. Here, in the 92 Code, 73 changes to a very flowery "accept my compliments", which was in keeping with the florid language of that era.

Over the years from 1859 to 1900, many manuals of telegraphy show variations of this meaning. The Twentieth Century Manual of Railways and Commercial Telegraphy defines it two ways, one listing as "my compliments to you"; but in the glossary of abbreviations it is merely "compliments". By 1908, however, a later edition of the Dodge Manual gives us today's definition of "best regards" with a backward look at the older meanings.

It is simply spoken "73", not some of the following ways we too often hear on the airwaves. I have done the math for you on some of the options...

70-3's Why not just say "210"?

7- 3's Why not just say "21"?

7- 1/3rd's Why not just say "2.3333331"?

70 – 1/3rd's Why not just say "23.333331"?

73,

Corky

For Sale:

Cubex 2 Element 5 Band Quad Antenna, 10-12-15-17-20 Meters - Less than 9 months old, it is off the tower ready for pick-up complete with RG-11 Matching stubs. Work the weak ones with a quad. Original cost over \$600. Sell for \$300

Contact Bob, N8VJH 740-524-1971

Your "For Sale" Ad could have been here too – FREE to members!

CORC Tech Net - Coming Soon!

Coming soon to the 147.330 repeater will be the return of the CORC Tech Net. Listen for announcements on the repeaters listing the date and time for the net. Various topics of amateur radio and related subjects of interest will be discussed. Hope to hear you on the net!

IRLP Node 8094 on the 147.33 Repeater

Have you tried the IRLP node on the W8NBA repeater at 147.33. It's easy to use and in just a matter of seconds you can be talking to someone anywhere in the world. Using the node is easy and I hope after reading this you will give it a try.

There are close to three thousand nodes in over thirty countries. A node is a station or repeater with an IRLP computer hooked to it. Node numbers are always a 4 digit code. For example a node in Koto, Tokyo is 8499 and one in London is 5600 and a node close to us is 4614 in Powell, Ohio. For those of you that have an Android Smartphone, there is a free app called IRPL Finder that will even look them up for you. You can find it in the Android Marketplace. I hear rumor there is one for the iPhone also. I can't list all the nodes and countries here but you can find the list at http://status.irlp.net/index.php?PSTART=3 Please give this page a few minutes to load as it generates an up-to-date listing and the status of every node. It also gives you a link to individual node information as to the call sign and frequency that the node uses and whether the node is in use. Besides nodes, there are stations that are reflectors. Reflectors can have many nodes connected to it at one time, making one big group chat, or be use to broadcast information to many nodes at once. More information on reflectors is available at http://www.irlp.net.

When accessing the 147.33 repeater, please allow time to make sure that the IRLP unit is not in use by someone else before marking on. Please listen for at least 10 to 15 seconds before transmitting as the audio is delayed when using IRLP, and may take some time to respond. The repeater can be used for normal conversation when not being used for IRLP. An easy way to check if the node is connected is to touchtone in digits "111". It will tell you if the node is connected. If you need more help please contact W8NBA, Joe, at irlp@corc.us

Using the node is very easy. First you need to look up the node you want to connect to. A typical connection might be "Your Call accessing the node" and then using your touchtone pad dialing in the 4 digit code you looked up earlier. The IRLP unit will respond "IRLP connecting to node "XXXX" All of the connect and disconnect messages are recorded by the node owners. Our local node messages were recorded by none other than our President, Laura Perone KA8IWB. You can then call CQ or the station you want to connect with. If a conversation is already going on at that node, you should wait until it is over to make your call or disconnect. Disconnecting is also easy. Just dial in "73" and the node will disconnect you. Again, you should wait until there is no conversation going on to disconnect. That's all there is to it.

Give it a try!

CORC Director Now Published Author

Kudos to our own John Perone, W8RXX, on becoming a published author. His article on New Car RFI was printed in the September 2011 issue of QST. A re-print of the article is on the CORC website at: http://www.corc.us/W8RXX%20QST%20PDF.pdf. It is a very interesting article about his experiences of buying Laura a new car and then the woes of finding that new car has some mysterious problems pertaining to using a mobile rig in the car. I won't give you the solution; you have to read the article to find out. Again, congrats to John for a fine job.



6 PM EDT (Eastern Daylight Time) Genoa Township Hall (See Map) Bring a Covered Dish (with Spoon)

Scheduled Speaker

EMike, KC8YLD, ARRL Ohio Section Affiliated Club Coordinator

CORC will Provide:

Soft Drinks

Coffee/Tea

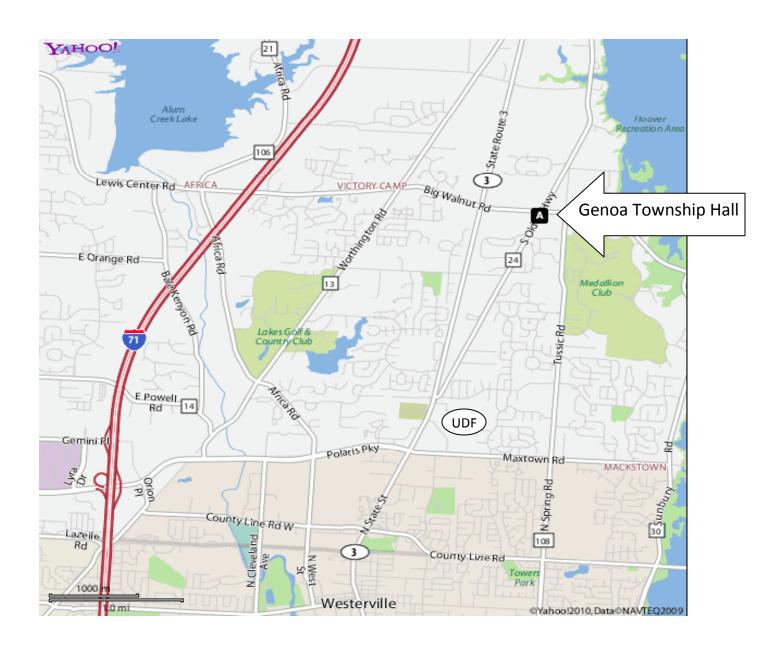
High Quality Plastic Ware

Cups and Plates

Friendly Faces

put this notice on your refrigrator as a remind

And now that you know about it... Here is how you get there!



From 71 take Polaris Pkwy to State Route 3 and turn on Old 3C Highway and go North to The Geona Township Hall.

From 270 exit on State Route 3/ Westerville Road and go north to Old 3C Highway.

Genoa Township Hall is on the corner of Big Walnut and Old 3C Highway.