

Waveguide

Lapeer County Amateur Radio Association

P.O. Box 12 | Hadley, MI 48440-0012 | <http://www.w8lap.com>

Club Founder: Hollis Hayes W8ACD

The President Says

Seasons Greetings LCARA members.

Well we made it through my first meeting as President! And it went like I had hoped; we got through the business meeting pretty quickly and had plenty of time for presentations and an ask Elmer session with some good discussion of G5RV antennas.

The November meeting was a good example of how I'd like our meetings to go in the upcoming year. I'd like us to emphasize Public Service, the Radio Arts and the Help Section (Ask an Elmer). To do that we'll need to do two things- keep a consistent start time for the presentations and have good content for the presentations.

So that brings me to my request of you: please bring your ideas for presentations in the Radio Arts and also consider making a presentation yourself.



December 2015

Inside this issue

Editorials	1
Satellite Antenna	9
Preparing for Winter Storms	10
Calendar of Events	12
Upcoming Testing Sessions	15
Upcoming Hamfests	16
Stuff for Sale	17

W8LAP / r Repeaters

146.620 - 100 Hz

442.750 + 123 Hz

Next Club Meeting

Tuesday, January 12

7:30pm

Lapeer County EOC

2332 W. Genesee Street

Lapeer, MI 48442

Don't Miss the Christmas Dinner on Tuesday 12/8! See p.2

ARES Net

Every Tuesday 8:00pm

146.620 - 100 Hz PL

Thursday Night Net

Every Thursday 8:00pm

442.750 + 123 Hz PL



The President Says, continued...

And please come out to our club's Christmas dinner. It will be December 8th at Ted's Sports Pub. A room is reserved for us starting at 6:00 pm. We're hoping to have another good turnout this year.

Gordon Miller

KD8TXW



Club Christmas Dinner

Tuesday December 8, 2015

6:00pm

Ted's Sports Pub

770 W. Lapeer St., Lapeer, MI 48446

View from the Veep Seats

If you didn't make it to the November meeting, you missed a fascinating set of presentations! Gordon Miller, KD8TXW, shared some work he's been doing with QRP-Labs WSPR rigs—lots of smoke and solder there! His presentation is available on the club website. Kevin Boxey, KB8TAR, shared the contents of his emergency communications binder, and also a little about his plans for the Lapeer County ARES efforts. Finally, the ask Elmer discussion around the G5RV antenna started strong and went well over my head, highlighting the depth of knowledge and experience in the room. Bang up job, LCARA, for a great meeting!

Cheers, Gerret KD8YUK

Officers

President

Gordon Miller

KD8TXW

Vice President

Gerret Peters

KD8YUK

Treasurer

Bill Miller

KD8VP

Secretary

Lee Dziekan

N8LJ

Committees and Appointees

Club Call Trustee W8LAP

Mike Zedan, KN8Z

Repeater Technical Team

Lee Dziekan, N8LJ

Will Stanton, KB8YGA

Meeting Refreshments

Bill Miller, KD8VP

Newsletter Editor

Gerret Peters, KD8YUK

Webmaster

David Erskine, KD8GXW

County EC

Kevin Boxey, KB8TAR

810-728-1481

County AEC—SkyWarn

Tom Oliver, KD8EBY

County AEC—Operation Care

Tom Oliver, KD8EBY

The Treasurer Says

Greetings to one and all. Been a very busy month for me with deer hunting and all. I can't believe the weather we have been having, but from what I hear, I am going to need my snow blower before long. I hope you all have gotten all your antenna work done.

The treasury has benefitted from dues renewal since October and is in very good shape for the coming year. Remember your dues are due in October for the new fiscal year. Also I must remind everyone that the December meeting will be our Christmas party meeting, be there or be square.

Respectfully submitted,

William Miller KD8VP



Did we Mention?

Club Christmas Dinner

Tuesday December 8, 2015

6:00 pm

Ted's Sports Pub

770 W. Lapeer St., Lapeer, MI 48446

Club Meetings

LCARA meetings are held the second Tuesday of each month at 7:30pm in the :

**Lapeer County Central Dispatch
Center (911)**

2332 West Genesee Street

Lapeer, MI 48446

All are welcome.

The Waveguide

The Waveguide is a monthly publication of the Lapeer County Amateur Radio Association. Publication is free to all interested members of the public.

Email your name, call sign (if licensed), city of residence and email address to KD8YUK@KD8YUK.ORG

Feedback positive and constructive can also be directed to KD8YUK@KD8YUK.ORG

The Secretary Says

Lapeer County Amateur Radio Association

Meeting Minutes for November 10, 2015

The meeting was called to order by President Gordon KD8TXW at 7:30 pm. There were 13 members and guests in attendance.

Hospital report: no one reported as ill

Announcements:

- Check out the new Waveguide! Great job Gerret
- Our December meeting will be at Ted's Sports Pub & Grill, 770 West St, Lapeer, MI 48446 at 6:00 pm.
 - Guests are welcome.
 - Order off the menu and pay your own tab.
- Dues are due. Please send them to our Treasurer Bill, KD8VP
- Winter Skywarn Training classes;
See the November Waveguide for details

Vice President's report: Gerret requests if anyone has back issues of the Waveguide either paper or electronically stored, please get the copies to him so he can post past issues on the W8LAP website.

Secretary's report: As posted in last month's Waveguide, approved unanimously by members present.

Treasurer's report: All bills are paid and available moneys reported. A motion to approve the report by Kevin KB8TAR, seconded by Dick KC8VHA, approved by the membership present.

Emergency Coordinator report: There will be ARES training for Lapeer Radio Amateurs in 2016. Kevin KB8TAR will arrange the sessions and time. The purpose will be to build an effective team of ARES members and communication capabilities.

The list of existing ARES equipment was submitted by Kevin and it was decided that he will maintain control of the assets. Will KB8YGA expressed an interest in the listed tri-plexer for the repeater team communication experiments.

Join Your Fellow Hams

Don't forget to join your fellow hams on the LCARA nets

Tuesday Night at 8pm

On 146.620- with 100 Hz PL

And

Thursday Night at 8pm

On 442.750+ with 123 Hz PL



The Secretary Says, continued...

Tech Team report: Mike KN8Z reported the team met at the repeater shack and winterized the shack. We also took some base line data to document the performance of the systems. The repeater team uses a lower power heating system to keep the condensation out of the equipment. If anyone has a few extra 40, 50 , or 60 watt incandescent light bulbs they would like to donate, see Mike.

Old Business: none

New Business:

Bill KD8VP will be sure the LCARA treasury has two eligible officers able to access the Association funds.

Bill will investigate better opportunities for interest rates when the CD comes due. He has the authority to change the accounts and/or financial organizations if he finds a better rate of return. A motion made by Mike KN8Z, seconded by Gerret KD8YUK, approved by the membership.

Presentations this evening:

Kevin KB8TAR as the EOC presented his thoughts on emergency communications

Gordon KD8TXW presented Radio Arts, WSPR beacons, and other projects available from QRPP website for very reasonable costs.

Ask Elmer session focused on G5RV antenna, the necessity of a tuner, and transmitter protection by power fold back with SWR.

January's meeting presentation will be the 2015 Montserrat DXpedition by VP2MLJ.

50/50 won by Mike KN8Z

Meeting Adjourned 8:55 pm.

Respectfully Submitted,

Lee

N8LJ

Newsletter

Items for the newsletter may be emailed to the editor at gerret.peters@gmail.com, or phoned / texted to 248-921-5398.

Items must be received by the 20th of each month to be considered for inclusion in the following month's edition.

The Trustee Says

Hello W8LAP Supporters:

There were no technical problems with the repeater this month, or any matters concerning use of the W8LAP club call.

On October 27, the Tech Team and I set the repeater site to winter status, and conducted tests of systems as noted below. The purpose of the tests was to establish base numbers for reference.

Winterizing included:

- ★ Installing incandescent heating bulbs and setting the temperature of the cabinet thermostat.
- ★ Disconnecting the exhaust fan and installing the vent duct plug.
- ★ Installing winter panels on the front of the repeater cabinets.

Test of antennas and battery:

Antenna	Forward Power	Reflected Power	Notes
Two Meter Repeater	40W	2W	Between duplexer and antenna feed
Two Meter Repeater	45W	1.5W	Through duplexer to antenna feed
70cm Repeater	22W	.75W	Through duplexer to antenna feed
Two Meter Packet	45W	1.5W	To antenna feed line
220 MHz Link	22W	0.2W	To antenna feed line

Battery:

No load (on charger): 13.69V

30 second, 60A load (charger disconnected)

Post load: 12.47V

This Month's Links

Anatomy of a Scam

Scam avoidance advice and alerts are regularly given in TV news, magazines, newspapers, and web feeds. The great majority of these are in the "Watch out for..." category. Very rarely will they go into detail about a single instance of a want ad fraud.



This month's link is about how Fred, AA7BQ, the owner of QRZ.COM, vetted a fraudulent seller. Sites with want ads, like QRZ.COM, are constantly on watch for scams. This is natural, in that such sites do not want their reputations sullied by bottom-feeding traders. In this case, Fred went into detail about how he determined that a seller was not legitimate, and his specific experience provides practical lessons for anyone buying items at a distance.

There's not much to add to Fred's advice at the end of the page, except to say, "Be careful. It's a jungle out there."

Bonus seasonal link: Clement Moore's classic, made double classic (for Hams, anyway) by Gary Pearce, KN4AQ, with stellar guitar accompaniment by WA3AYR.

See you at the December get-together,

Mike, KN8Z (kn8z at arrl.net)

Trustee Links

Fred Exposes a Fraudulent Seller on QRZ.com

<http://forums.qrz.com/index.php?threads/anatomy-of-an-internet-scam-at-qrz.447305/>

*Editor's Note: This account of Fred stringing the scammer along is **fantastic**.*

Bonus Seasonal Link

<http://arvideonews.com/otherstuff/>

[A_Ham's_Night_Before_Christmas.html](#)

Have some old **Waveguide Issues**? Gerret, KD8YUK is looking for issues prior to 2004 for a newsletter history project. Clean out your shack and help the club at the same time. (Loans are fine too.)

Contact Gerret at KD8YUK@KD8YUK.ORG

Emergency Coordinator Update

Hello to all Lapeer County Amateur Radio operators,

My name is Kevin Boxey, KB8TAR and I accepted the Lapeer County Emergency Coordinator position this past October.

Consequently, we will begin a monthly ARES training program beginning on January 20, 2016 starting at 7:00 pm at the EOC in Lapeer (2332 W. Genesee Street). The first meeting will be dedicated to outlining the plan for the creation of an ARES team in Lapeer County. Hopefully, if you like what you hear you will decide to sign up for ARES team participation.

The monthly date of the 3rd Wednesday was arbitrarily chosen and depending on feedback is subject to change. If you would be interested in participating but the meeting time is bad for you please let me know. It may be possible to adjust this day in the future to accommodate a larger number of people.

I look forward to our combined knowledge and talents contributing to bringing a group of Lapeer County operators up to a functioning ARES team level.

A reminder email will be sent in January and I hope to see you there.

Sincerely,

Kevin Boxey, KB8TAR

EC/RO Lapeer County

ARES Training Program

First Meeting

Jan 20, 2016, 7:00 PM

Lapeer EOC

2332 W. Genesee Street

Lapeer, MI

(Same place as club meetings)



A Satellite Antenna Tripod

Contributed by Mike Bowman, KD8OTZ

The photograph is an Arrow Antenna Company Alaskan with duplexer. There is also an Arrow II, smaller, lighter and easier to handle.

If you're interested in getting involved with satellite communications, start with <http://www.amsat.org>, where you will find satellite frequencies, daily schedules and other how-to information.

You can use a two-band handheld radio with a whip antenna to hear satellite communica-



They both have a break down option to transport/backpack. The tripod is necessary for the Alaskan due to weight, and is preferable to controlling the antenna with one hand on a 15 minute pass while adjusting the radio in the other and writing down call signs with the third.

The process is comparable to trap shooting while juggling Indian clubs. I use a tripod designed for astronomy and replaced the azimuth/elevation head with a 3-way head to allow for polarity; amateur satellites tumble.

tions, and maybe like the guy YouTube actually make QSOs! [In this four minute video, he makes a connection from Florida to Cuba with a Baofeng UV-5R and a whip antenna.]

<https://www.youtube.com/watch?v=mv4K41Ztax8>

Preparing for a Winter Storm

From MI Ready—Michigan State Police

Preparing your home:

Create an emergency winter preparedness kit for your home that includes the following items:

- Water, at least three gallons of water per person
- Food, at least a three-day supply of non-perishable food per person
- Prescribed medications
- Battery-powered or hand-crank radio
- Flashlight and extra batteries
- First aid kit
- Whistle to signal for help
- Pet supplies
- A complete change of clothing and footwear for each person
- Bedding
- Important family documents
- Extra clothes and blankets

Keep on hand items for your pets. Animals feel the effects of wind chill. Be sure to have suitable shelter with food and water.

Winterize your home by weather-stripping and insulating walls, attics and basements. It will not only allow your house to maintain heat, but extends the life of your fuel supply, which can save money on heating costs.

Insulating pipes that run through your walls and attic can help prevent them from bursting during the winter season.

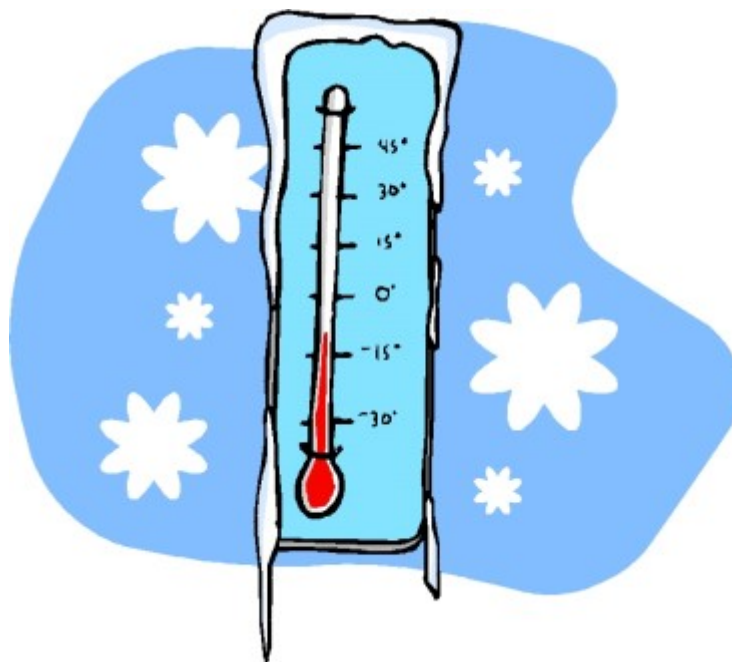
Know where the water valves are located in your home in case you have to shut them off to prevent pipes from bursting.

Clean gutters to prevent ice dams from forming. Roof ice dams can cause water build-up leading to interior damage.

Clear storm drains along the curb to enable water to drain. If plugged, water has the potential to go

into low-lying areas and flood basements.

Have a backup heating source. A backup heating source will prevent pipes from freezing and keep your home warm in the event of an outage. Make sure that gas generators or fuel-based heating systems are vented



outside to prevent carbon monoxide (CO) poisoning.

Install battery-operated CO detectors near every sleeping area. CO poisoning is most prevalent when furnaces are turned on to fight cold winter temperatures or when people rely on portable generators for electricity during outages.

Preparing your vehicle:

Winterize your vehicle by late fall. This includes having the proper mix of antifreeze and water in the cooling system, topping off windshield washing solution and replacing worn windshield wipers.

Check your tires to make sure you have an adequate amount of tread for the winter. Adequate tire tread will improve the safety of your vehicle on the road. Make sure to check tire pressure regularly throughout the

Preparing for a Winter Storm, continued

winter season.

It's good practice to have your radiator system, engine and heating system checked every fall before winter comes. Also check brakes, brake fluid, oil and car battery as well.

Keep your gas tank at least half full at all times during the winter to avoid fuel lines freezing up and getting ice buildup in your tank.

Keep an emergency preparedness kit in your vehicle stocked in the event you get stranded or stuck. Your car should always be equipped with a container of emergency supplies. Keep the following items in your kit:

- Small battery powered or hand-crank radio
- Flashlight
- Extra batteries
- Cellular phone and charger
- Windshield scraper
- Jumper cables
- Shovel
- Extra blankets and clothes
- Flares
- Non-perishable food and bottled water
- First aid kit
- Tire repair kit and pump
- "Call Police" or other "Help" sign

Outside:

Avoid overexertion when shoveling heavy snow, pushing a car, or walking in deep snow. Sweating can lead to chill, hypothermia, and abnormally low body temperatures. Cold weather puts extra strain on the heart, so elderly with heart conditions should be especially cautious when out in the cold.

Be careful when walking on snowy or icy sidewalks.

Do your best to keep clothes dry. Change wet socks and clothing quickly to prevent loss of body heat. Wear loose-fitting, lightweight warm clothing in

Update for the Amateur Radio Parity Act

From Dale's Tales, 12/1/2015

The Senate version of the measure passed through committee during November.

The package will now go to the full Senate for a vote. Now is the time to contact your Senator in Washington and encourage his/her support for the measure. When you do this, please reference the Bill Number S 1685.

Please be sure to route your letters through ARRL Headquarters for personal delivery:

ARRL

Attn: Amateur Radio Parity Act grassroots campaign,

225 Main St., Newington, CT 06111.

You can find more information at <http://www.arrl.org/amateur-radio-parity-act>.

Upcoming Presentations

January 2016

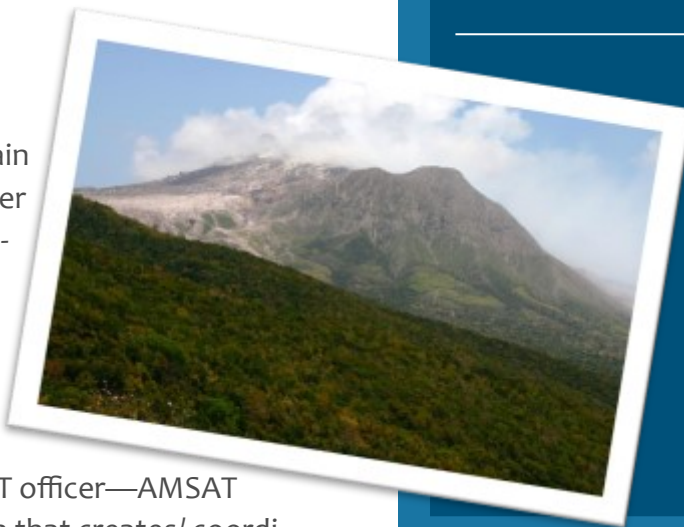
Lee Dziekan, N8LJ presents on the DXpedition to Montserrat in October of 2015.

February 2016

Dave Pridemore, WJ8R activated Brockway Mountain in Michigan's Upper Peninsula for Summits on the Air (SOTA).

April 2016

Keith Baker, KB1SF is an AMSAT officer—AMSAT is the organization that creates/coordinates amateur radio satellites.



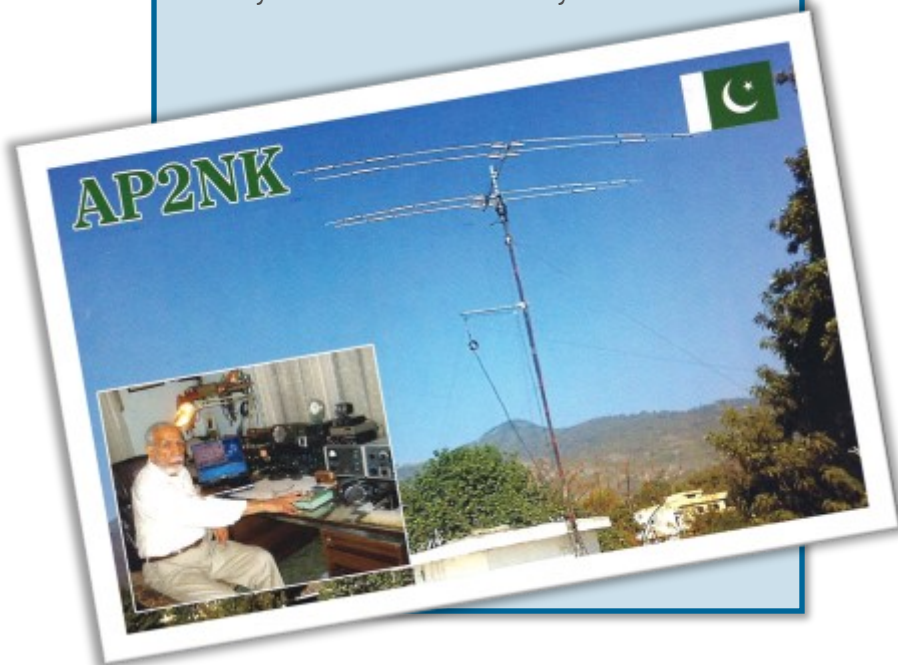
JANUARY PRESENTATION

The club presentation for January will be **DXpedition to Gingerbread Hills, Montserrat (VP2MLJ)**

QSL of the Month

Contributed by Lee Dziekan, N8LJ

Can anyone name this country?



DECEMBER 2015

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1 ARES Net 8pm 146.620 -100 Hz	2	3 Thurs. Net 8pm 442.750 +123 Hz	4	5
6 Sunday Nets	7	8 	9	10 Thurs. Net 8pm 442.750 +123 Hz	11	12
13 Sunday Nets	14	15 ARES Net 8pm 146.620 -100 Hz	16	17 Thurs. Net 8pm 442.750 +123 Hz	18	19
20 Sunday Nets	21	22 ARES Net 8pm 146.620 -100 Hz	23	24 Thurs. Net 8pm 442.750 +123 Hz	25 	26
27 Sunday Nets	28	29 ARES Net 8pm 146.620 -100 Hz	30	31 NEW YEAR'S EVE		

Sunday Nets

ARPSC - 5pm
3.932 LSB

D3 Net - 6:30pm
145.31+ 131.8 Hz PL

D3 Digital Training Net - 8pm
3.583 USB



December Events

8th—Club Christmas Dinner
6pm

Ted's Sports Pub
770 West St.
Lapeer, MI 48446

25th—Christmas
31st—New Year's Eve

JANUARY 2016

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				NEW YEAR'S EVE	1 	
3 Sunday Nets	4	5 ARES Net 8pm 146.620 -100 Hz	6	7 Thurs. Net 8pm 442.750 +123 Hz	8	9
10 Sunday Nets	11	12 Club Mtg 7:30 pm Lapeer EOC No Net Tonight	13	14 Thurs. Net 8pm 442.750 +123 Hz	15	16
17 Sunday Nets	18  Martin Luther King Day	19 ARES Net 8pm 146.620 -100 Hz	20	21 Thurs. Net 8pm 442.750 +123 Hz	22	23
24 Sunday Nets Hazel Park Hamfest	25	26 ARES Net 8pm 146.620 -100 Hz	27	28 Thurs. Net 8pm 442.750 +123 Hz	29	30
31 Sunday Nets						

Sunday Nets

ARPSC - 5pm
3.932 LSB

D3 Net - 6:30pm
145.31+ 131.8 Hz PL

D3 Digital Training Net - 8pm
3.583 USB

January Events

1—New Year's Day
18—Martin Luther King Day
24— Hazel Park Hamfest (see
page 16 for details)

Upcoming Testing Sessions—Is it time to get that upgrade?

Dearborn MI 48124-3958

Sponsor: Ford Amt Radio League K8UTT

Date: Dec 08 2015

Time: 11:00 AM (No walk-ins)

Contact: William J. Boyke
(313) 805-8877

Email: wboyke@ford.com

VEC: [ARRL/VEC](#)

Location: Ford Motor Company-Building 1 Confer-
ence Room 13Fo40
20000 Rotunda Dr
Please call ahead-will need
specific directions.
Dearborn MI 48124-3958

Ann Arbor MI 48108-1516

Sponsor: ARROW Communications Assoc.

Date: Dec 12 2015

Time: 9:00 AM (Walk-ins allowed)

Contact: Mark G. Goodwin
(734) 944-0730

Email: mrkgoodwin@comcast.net

VEC: [ARRL/VEC](#)

Location: American Red Cross Building
4624 Packard St
Room ML9
Ann Arbor MI 48108-1516

Port Huron MI 48060-4014

Sponsor: Eastern Michigan ARC

Date: Dec 12 2015

Time: 10:00 AM (No walk-ins)

Contact: Martin Smith
(810) 385-5584

Email: pioneer-2@att.net

VEC: [ARRL/VEC](#)

Location: St Clair County Library
210 McMorran Blvd
2nd Floor Meeting Room
Port Huron MI 48060-4014

Flint MI 48507

Sponsor: The KT8Q & W8ACW VE Teams

Date: Dec 19 2015

Time: 9:30 AM (Walk-ins allowed)

Contact: Jeffrey R. Pender
(810) 895-1408

Email: jeff@w8acw.org

VEC: [ARRL/VEC](#)

Location: Baker College of Flint-Tech Center
1050 W Bristol Road
Room S-103, Pre-reg preferred
Flint MI 48507

Mount Clemens MI 48043-2217

Sponsor: SAROF

Date: Feb 06 2016

Time: 7:30 PM (Walk-ins allowed)

Contact: Clifford W. Ibbs
(586) 567-0436

Email: ab8xq@arri.net

VEC: [W5YI VEC](#)

Location: Mt. Clemens Salvation Army Corps (rear en-
trance)
55 Church St
Mount Clemens MI 48043-2217

Upcoming Hamfests and Swaps

Hazel Park W8HP 50th Annual Swap

Start Date: 01/24/2016

End Date: 01/24/2016

Location: UFCW Local 876
876 Horace Drive

Madison Heights, MI 48071

Website: <http://hparc.org/>

Sponsor: Hazel Park Amateur Radio Club

Type: ARRL Hamfest

Talk-In: 146.640 (PL 100)

Public Contact: Ken Krause , AD8M

30655 Westwood Drive Madison Heights, MI
48071

Phone: 248-928-4747

Email: ken@mrkrause.com



Livonia ARC's 45th Annual Swap & Shop

Start Date: 02/21/2016

End Date: 02/21/2016

Location: Livonia Civic Park Senior Center
15218 Farmington Road

Livonia, MI 48150

Website: <http://www.livoniaarc.com/index.php?page=swapshop>

Sponsor: Livonia Amateur Radio Club

Type: ARRL Hamfest

Talk-In: 145.35 (PL 100) or 146.52 Simplex

Public Contact: Doris Kelterborn , K8DXJ
PO Box 51532 Livonia, MI 48151

Phone: 734-941-5043

Email: k8uns@arrl.net

Don't keep it a **SECRET!**
Send your stories and
photos to the editor for an
upcoming issue of the
Waveguide!

Gerret.Peters@gmail.com

Club **CLASSIFIEDS**—Stuff for Sale or Wanted

D-104 Microphone

Not currently working.



I think all it needs is a plug on the end.

Price: \$25

Email: toddrzeszut
AT hotmail.com

Heathkit HW101 (and more)

All working condition.

Selling the rig, swr meter (HM-102), power supply (HP-238), external speaker and turner microphone.

All shown in the picture.

Price: \$200 obo for all

Email: toddrzeszut AT hotmail.com



L.C.A.R.A. Membership Application

Please Print

CALL SIGN: _____ NAME: _____

ADDRESS: _____

CITY, STATE, ZIP: _____

TELEPHONE: _____ EMAIL: _____

LICENSE CLASS: _____ A.R.R.L. MEMBER? (YES) (NO)

SKYWARN NO: _____ RACES NO: _____

ARES MEMBER? (YES) (NO)

L.C.A.R.A membership is \$12.00 per year, renewable each year on October 1st. Family Membership \$20.00. Associate Membership \$4.00. If you wish an autodial number for the repeater there is an additional \$3.00 charge. (Financing available)

Lapeer County Amateur

Radio Association

P.O. Box 12

Hadley, MI 48440-0012

PLEASE
PLACE
STAMP
HERE