

# Waveguide

## Lapeer County Amateur Radio Association

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

Club Founder: Hollis Hayes W8ACD, SK

## The President Says

Fellow LCARA Members,

A special thanks to Keith, KB1SF, for giving us an excellent presentation on AMSAT at our April meeting. I echo the sentiments of one of members, "that was a home run". It was good to see a full house. And thanks to Lee, N8LJ, for lining up our guest presenter.

Here's a nice video on the basics of working satellites with an HT and a handheld antenna by Timothy, AE6LX. <https://www.youtube.com/watch?v=bT131WBHKxc>

And here's a link to the best satellite tracker I found online. Rodney, KDoUHS, replaces the telescope with an antenna on a Celestron star tracking unit. He even added a servo to rotate the antenna to account for satellite tumble. Very nicely done!

<https://www.youtube.com/watch?v=BDTjnJm41mc&ebc=ANyPxKpDY4EzSa76kH3Z-nRqj6hfNUSw62lcU3VDaMDVt2iYUpDu5EhV5r1WJd5-aX7sY23AgFl2rLD2WLEaPLADPlqiloolg>

In other activities, our ARES team members participated in the Lapeer County Simulated Emergency Training (SET) on April 16th. It went very well and covered important first steps in work-



May 2016

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### W8LAP / r Repeaters

146.620 - 100 Hz  
442.750 + 123 Hz

### Next Club Meeting

**Tuesday, May 10**  
**7:30pm**  
Lapeer County EOC  
2332 W. Genesee Street  
Lapeer, MI 48442

### ARES Net

Every Tuesday 8:00pm  
146.620 - 100 Hz PL

### Thursday Night Net

Thursdays 8:00pm  
442.750 + 123 Hz PL



ing with the larger Emergency Management team in the county. There's always room for more ARES team members so hop on board if you can do it. We'd love to be able to cover more of the county.

Our next club meeting is on May 10th. We'll have an "Ask Elmer" session so bring your questions and we'll help each other learn more about our great hobby. Also, Lee has a presentation on the T32 Christmas Island DXpedition. And I have a short presentation on an audio interface I built for my Baofeng using a usb sound card and a Boss B25N isolation circuit.

Hope to see you at the meeting-

73, Gordon, KD8TXW

## View from the Veep Seats

April provided the opportunity to replace the copper J-Pole (self-constructed) with an Arrow open stub J. Why replace an antenna I only just finished building? The answer is 70 centimeters. The 3/4" copper J worked great on 2 meters, but on 70cm it started completely folding back on the Yaesu 857 base station. I invested in the Arrow, under the rationale that it's more important to have a **functional** base antenna to use while I continue to learn about antenna construction.

We also repaired and re-hoisted the G5RV, and installed a tuner. Have done some listening, but no contacts on HF...yet. Hope your spring projects are successful too!

**See the page later in this Waveguide for more information on the club Field Day!**

73,

Gerret, KD8YUK



Spectacular antenna crew! Twins Mark and David are always up for roof adventures on our ranch.

### 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

#### Operation Care

Tom Oliver, KD8EBY

## 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.

If anyone notices that either repeater is not functioning as it should, please notify me at the email below.

See you at the next meeting,

Mike, KN8Z (kn8z at arrl.net)



*Seen recently at an ARES event: a stylish and functional go-box for 2-Meter operations.*

## 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.**

### Free Waveguide Subscription

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

### Feedback Welcome

Feedback positive and constructive is welcome and may also be directed to [KD8YUK@KD8YUK.ORG](mailto:KD8YUK@KD8YUK.ORG)

## The Secretary Says

### Lapeer County Amateur Radio Association

#### Meeting Minutes, April 12, 2016

The meeting began precisely at 7:29:32 pm with the pledge of allegiance. Twenty members and guests were present.

First on the agenda was an excellent presentation of AM-SAT (Amateur Radio Satellite Program) by **Keith Baker**, KB1SF/VA3KSF. He covered the past, present, and future satellite plans of AMSAT, their technologies, strategies and alliances to keep ham radio presence in space.



Keith Baker, KB1SF/VA3KSF accepts the club's donation from President Gordon Miller, KD8TXW

After the presentation, the Lapeer County Amateur Radio Association donated \$100 to the AMSAT Organization.

Meeting minutes as published in the Waveguide were approved by the membership present.

Treasurers report was presented and approved by the members present.

#### ARES report

April 13th at 1:30pm will be the annual tornado drill. Your weather radio may go off but the sirens in Lapeer will not sound.

April 16th will be the Lapeer County "SET". Our ARES group will deploy at two locations. One station at the Lapeer Hospital and one station at the Red Cross Center just north of Imlay City.

May 29th is the Big Fish Triathlon. Volunteers needed to staff stations along the route.

#### Operation Care

Operation Care is the same weekend. Tom KD8EDY will update

### 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



### Newsletter

Items for the newsletter may be emailed to the editor at [kd8yuk@kd8yuk.org](mailto:kd8yuk@kd8yuk.org), 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.

us with the plans.

### Field Day

Field Day (which is a communication preparedness exercise, not a contest) will be held at Gerret's (KD8YUK) QTH. It's the 4th weekend of June. Please plan to support W8LAP to get back on the HF bands. More details to follow.

### Announcements

MIQP Michigan QSO Party is April 16th. Here is your chance to become radio active.

Will, KB8YGA and Mike, KD8OTZ received a QSL from VP2MLJ which demonstrated their ability to transmit their HF radio signal well beyond the Lapeer County line.

50-50 won by Gordon, KD8TXW..... Meeting Adjourned  
9:08pm

Respectfully submitted

Lee

N8LJ



Disassembling the portable mast at the "Pre-SET" ARES field exercise. Note the balmy south seas weather enjoyed by Michigan in the spring.  
(l to r): Dick, KC8VHA; Chuck, KD8LVK; Lee, N8LJ; Kevin, KB8TAR



# Lapeer County Emergency Coordinator / Radio Officer Report

## EC report for May

Your Lapeer County ARES team participated in the Lapeer County Simulated Emergency Test (SET) on April 16th. The scenario this year was a direct tornado hit at a Baptist Church on M-53 north of Imlay City. In addition to the disaster zone, a Red Cross shelter was established at the Goodland Township Methodist Church, also on M-53 just north of Imlay City.



Overall layout, with the mast, generator, and operating station in the background.

Two stations were established by the ARES team; one at the Red Cross shelter and another one at McLaren Hospital. **Will Stanton**, KB8YGA and **Gordon Miller**, KD8TXW activated the hospital station using existing and portable equipment. **Kevin Boxey**, KB8TAR; **Tom Oliver**, KD8EBY; **Chuck Madurski**, KD8LVK; **Mark Jaruzel**, KE8BYG; and our District 3 EC **David Wallick**, N8LBF activated the Red Cross shelter with a completely self contained setup using a portable 32' mast and small Yagi antenna.



## ARES Training Program

**Wed, 5/18—ARES Meeting  
7pm at the EOC**

## Interested in ARES?

If you're interested in **emergency communications** and the Amateur Radio Emergency Service, you are welcome to:

- ♦ come by the team meetings (schedule above), or
- ♦ contact EC/RO Kevin Boxey, KB8TAR directly, or
- ♦ Join one of the club's VHF/ UHF ARES nets on Tuesdays or Thursdays.

Find contact and net information on the front page of the Waveguide.

## EC/RO Report, Continued...

Using 2m simplex, both digital FLDIGI and phone messages were sent and received at both sites successfully. Reducing power to 5 watts at each location, we were still able to pass digital messages using FLDIGI.

Overall the exercise was a definite success with every objective for the ARES team being met. Congratulations to all members of the ARES team.

Kevin Boxey, KB8TAR  
EC/RO Lapeer County



Directional Yagi antenna pointed at the McLaren Hospital site. Digital communications were possible even with 5 watts of power.



Our Operating Station with field-expedient sun shade. Kevin, KB8TAR, (kneeling) explains the operating station to Red Cross personnel.

## LCARA Packet BBS

### At the Repeater Site:

Frequency: 145.030 MHz

Node Name: LCARA

PBBS: W8LAP-4

### At the Lapeer County EOC

Node Name: EOC44

PBBS: W8LAP-3

### At KB8YGA's QTH in North Branch

Node Name: NORTHB

PBBS: KB8YGA-3

## Seeking Old Waveguides

Gerret, KD8YUK continues to look for issues prior to 2004 for a newsletter history project. Clean out your shack and help the club at the same time.

You can also loan a copy to Gerret, who will gently scan it and return the original to you in fine condition.

Contact Gerret at  
[KD8YUK@KD8YUK.ORG](mailto:KD8YUK@KD8YUK.ORG)



Tom Oliver, KD8EBY, at the operating station



Left: Chuck Madurski, KD8LVK, keeping an eye on the photographer

Center: Tom Oliver, KD8EBY, observes Red Cross member at the operating station

Right: Kevin Boxey, KB8TAR talks with other Red Cross personnel.





### Raspberry Pi Transceiver

*Contributed by Gordon Miller, KD8TXW*

An interesting project using Raspberry Pi and an RTL-SDR dongle to build a fully-functional transceiver.

<http://www.rtl-sdr.com/building-a-ham-transceiver-with-an-rtl-sdr-raspberry-pi-and-rpitx>

### Museum Ships Weekend

June 4th and 5th, 2016

*Contributed by Lee Dziekan, N8LJ*

Lee, N8LJ will be participating in the event from Rogers City, MI as a member of the W8B team, honoring the SS Carl D. Bradley.

Learn more about the Museum Ships Weekend here: <http://www.nj2bb.org/museum/>

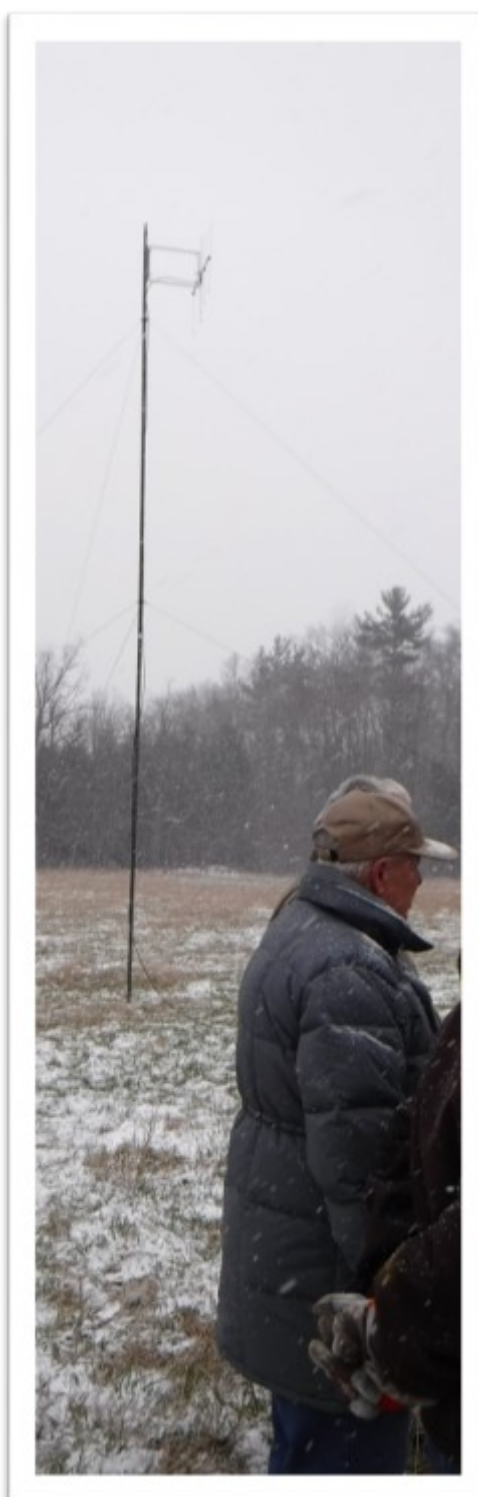
And about the Rogers City teams here: <http://dualdisasters.com/>

### ArduSat—The Arduino Satellite

*Contributed by Gordon Miller, KD8TXW*

<http://www.freetronics.com.au/pages/ardusat-the-arduino-satellite#.Vx-JavkrJaR>

This is a board with 16 Arduinos on it that can be assembled into a Cubesat. So an individual, or more likely a group, can have an Arduino project go up into space.



Dick, KC8VHA, with the portable mast and Yagi antenna in the background.

## Upcoming Club Meetings

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2016 is shaping up to be a great year! Here's a preview of the current slate of club meeting topics—check back next month as conditions evolve.

### May

**Ask an Elmer!** Join your fellow radio operators for a spirited conversation on those topics mundane and esoteric. Whether you come to ask a question, offer some answers, or just listen to the camaraderie, you'll be sure to learn something. As always, **all are welcome!**

### June

**Bill Demaray**, Quality Supervisor for the Electromagnetic Compatibility Laboratory at Nexteer Automotive provides a presentation on electromagnetic vehicle compatibility testing. (*Editor's Note: I'm hoping he can tell me where the RFI in my vehicle comes from!*)

### July

**Club Field Day wrap-up**—share your stories, your photographs, what went well, and see what you missed if you couldn't make it.

*Wait, what? Field Day? Yes! LCARA is going to host a Field Day at KD8YUK's homestead this year—just about six acres of open space, prime for a field day antenna farm and some good eating! More to come on this exciting development.*

### August

Annual club Picnic in the Park. More to come as we get closer to the picnic.

**Have a topic you'd like to present? You might be in luck—September, October, and November are still open, and of course December is the club Christmas party.**

### Michigan Traffic Nets

*Michigan Section Traffic/ARPS Net (All times Local)*

*Source: Michigan Section News, March 2016*

- MACS - MI Amateur Communications System 3.952 1000 Daily
- UPN - Upper Peninsula Net 3.921 1700 Daily; Noon Sunday
- MIARPS - MI Amateur Radio Public Service Corps 3.932 1700 Sunday
- QMN - The Michigan Net 3.563 1830 and 2200 Daily
- MITN - MI Traffic Net 3.952 1900 Daily
- MIDTN - MI Digital Traffic Net 3.583 (Olivia 8/500) in waterfall 2000 Tues, Thurs, Sat
- MIADS - MI ARES D-Star Net Reflector 24A Mon 2000
- D8EN - District 8 Emergency Net 3.909 Wed 2100
- GLETN - Great Lakes Emergency and Traffic Net 3.932 2000 Daily
- MVTN - MI VHF Traffic Net IRA Link System 2100 Mon, Wed, Fri, Sun
- NLEUP - Northern Lower Eastern UP Net 146.64- 18:30 Daily
- SEMTN - SE MI Traffic Net 146.76- 2215 Daily
- TMMTN - Thumb Mid-Michigan Traffic Net 147.30+ 2130 Mon - Sat

More information is available at <http://nts-mi.org/>.

# May 2016

## 1 SUNDAY

Sunday Nets (see sidebar)

## 3 TUESDAY

8:00pm ARES Net

## 5 THURSDAY

8:00pm FLDIGI Net 145.07 ARES

## 7 SATURDAY

1:00pm Lapeer County Tornado Siren Test

## 8 SUNDAY

Sunday Nets (see sidebar)

## 10 TUESDAY

7:30pm LCARA Club Meeting @ EOC

## 12 THURSDAY

8:00pm ARES Net

## 15 SUNDAY

Sunday Nets (see sidebar)

## 17 TUESDAY

8:00pm ARES Net

## 18 WEDNESDAY

7:00PM ARES Team Meeting @ EOC

## 19 THURSDAY

8:00pm FLDIGI Net 145.07 ARES

## 20 FRIDAY

Dayton Hamvention

## 21 SATURDAY

Dayton Hamvention

Ann Arbor ARROW Bus Trip to Hamvention (See ad later in this issue of the Waveguide)

Dow Half Marathon—Midland, MI ARES

## 22 SUNDAY

Sunday Nets (see sidebar)

Dayton Hamvention

## 24 TUESDAY

8:00pm ARES Net

## 26 THURSDAY

8:00pm ARES Net

## 27 FRIDAY

Operation CARE

## 28 SATURDAY

Operation CARE

## 29 SUNDAY

Sunday Nets (see sidebar)

Operation CARE

Big Fish Triathlon—ARES Supporting

## 30 MONDAY

Operation Care

MEMORIAL DAY

## 31 TUESDAY

8:00pm ARES Net

## LCARA Nets - on W8LAP Repeater

Tuesdays, 8pm

146.620- with 100 Hz PL

Thursdays, 8pm

On 442.750+ with 123 Hz PL

## 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

## Operation CARE

Register to volunteer at this fun fundraiser—visit <http://www.w8lap.com>

# June 2016

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## 2 THURSDAY

8:00PM FLDIGI Net 145.07 ARES

## 4 SATURDAY

Museum Ships Weekend (See 'Heard on the Wire')

## 5 SUNDAY

Sunday Nets (see sidebar)

Museum Ships Weekend (See 'Heard on the Wire')

## 7 TUESDAY

8:00pm ARES Net

## 9 THURSDAY

8:00pm ARES Net

## 12 SUNDAY

Sunday Nets (see sidebar)

1:00PM ARES Pre-Set Exercise

## 14 TUESDAY

7:30pm LCARA Club Meeting

## 15 WEDNESDAY

7:00PM ARES Team Meeting @ EOC

## 16 THURSDAY

8:00PM FLDIGI Net 145.07 ARES

## 19 SUNDAY

Sunday Nets (see sidebar)

## 21 TUESDAY

8:00pm ARES Net

## 23 THURSDAY

8:00pm ARES Net

## 25 SATURDAY

2016 FIELD DAY (See next page)

## 26 SUNDAY

Sunday Nets (see sidebar)

2016 FIELD DAY (See next page)

## 28 TUESDAY

8:00pm ARES Net

## 30 THURSDAY

8:00pm ARES Net

## LCARA Nets - on W8LAP Repeater

### Tuesdays, 8pm

146.620- with 100 Hz PL

### Thursdays, 8pm

On 442.750+ with 123 Hz PL

## 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



# Field Day 2016

## June 25-26

### LCARA is hosting a club Field Day!

*This is the second of three articles on Field Day—the final will be in next month's Waveguide.*

### Field Day for Fun and Food

The LCARA club event will be a “vacation style” gathering, with as much operating as we can, but plenty of time for campfire chat and good cheer.

All club members and radio-interested friends are welcome, and the operating site will be open to the public during the day for active Field Day activities. Members of the general public arriving before or after will likely be conscripted for setup or teardown, respectively.

### Location and Amenities

Gerret, KD8YUK (your author) will host the event at his QTH in Metamora Township. Just north of the Oakland County Line, the location is just under six acres of gently rolling open field, with a few scattered trees well-suited over which to pitch a wire.

There's room to park on the grass, and operating stations are planned for setup in the pole barn, which has power, light and a concrete floor, to blunt the effects of inclement weather. The site elevation is about 1,080'.

### Volunteers Wanted!

**Grillmaster**—You're the guy (or gal) who can turn raw materials into charred slices of heav-

en, and you wield a spatula like someone out of a 70's Bruce Lee movie.

**Logistics**—You know where everything is, or where everyone is who knows where it is. You'll help us hunt down needed equipment, or drag a trailer, or pick up ice.

**Public Information Officer**—Can you talk wallpaper right off the wall? Love ham radio? You'll talk to members of the visiting public during the day, hand out brochures, and make LCARA look good!

**Band Captain**—You, the veteran of a thousand contests, who knows every nook and cranny of the spectrum. You'll help organize the operating stations for fun and profit-points.

**Operators**—You have an amateur license, and you should come to Field Day and hop on a radio for a couple of hours. It will be fun, and the food will be great.

**Safety Officer**—You have a deep and abiding interest in ensuring the safe operations of your fellow amateurs, know which end of the generator to plug the power into, and proper station setup for safety.

**Click below to email Gerret with your interests; come for the day, come for an hour, we'll be glad to have you!** ([kd8yuk@kd8yuk.org](mailto:kd8yuk@kd8yuk.org))

*Gerret Peters, KD8YUK, is the LCARA Vice President and Waveguide Editor.*



## Lapeer County Tornado Siren Testing Schedule

Contributed by Mary Piorunek,  
Lapeer County Emergency Manager

*This information will run monthly throughout the testing season.*

If your community has a tornado siren, it will be tested on the following dates:

**Saturday, May 7th**

**Saturday, June 4th**

**Saturday, July 2nd**

**Saturday, August 6th**

**Saturday, September 3rd**

**Saturday, October 1st**

All Tests will be held at 1:00PM

*Should inclement weather be present at the time of testing, the test will be cancelled. If you have any questions, please contact your local fire department.*



## Memorial Day Operation CARE

Contributed by Tom Oliver, KD8EBY

The tentative dates for the Memorial Day Operation CARE event are Friday May 27th to Monday May 30th. The permit is not yet approved.

Visit <http://www.w8lap.com> to volunteer for a few hours and support the club. It's a great opportunity to spread the good word about Amateur Radio, and raise funds for the club.

For those new to the club, LCARA operates a refreshment station at the eastbound rest area just east of Wilder Road on I-69. We offer several non-carbonated beverages and hot coffee to people traveling during the Memorial Day holiday.

Enjoy a good connection to the club repeater via the radio in the trailer, along with an endless supply of coffee, tea, and Tang!

The duty is easy, mostly seated, and the travelers are both interested and interesting. If you've never done it before, have no fear! Partner up with a veteran club member and enjoy a few hours of conversation with your fellow hams and weary travelers.

If you have questions about the club's participation, contact **Tom Oliver, KD8EBY** ([kd8eby@gmail.com](mailto:kd8eby@gmail.com))

To learn more about CARE (Combined Accident Reduction Effort), visit the website: <http://www.careofnorthamerica.org/About/>



## Just For Fun—No Email, No Problem!

Contributed by Bill Miller, KD8VP

An unemployed man is desperate to support his family of a wife and three kids. He applies for a janitor's job at a large firm and easily passes an aptitude test. The human resources manager tells him, "You will be hired at minimum wage of \$7.35 an hour. Let me have your e-mail address so that we can get you in the loop. Our system will automatically e-mail you all the forms and advise you when to start and where to report on your first day."

Taken aback, the man protests that he is poor and has neither a computer nor an e-mail address.

To this the manager replies, "You understand that to a company like ours that means that you virtually do not exist. Without an e-mail address you can hardly expect to be employed by a high-tech firm. Good day."

Stunned, the man leaves. Not knowing where to turn and having \$10 in his wallet, he walks past a farmers' market and sees a stand selling 25 lb. crates of beautiful red tomatoes. He buys a crate, carries it to a busy corner and displays the tomatoes. In less than 2 hours he sells all the tomatoes and makes 100% profit.

Repeating the process several times more that day, he ends up with almost \$100 and arrives home that night with several bags of groceries for his family. During the night he decides to repeat the tomato business the next day. By the end of the week he is getting up early every day and working into the night. He multiplies his profits quickly. Early in the second week he acquires a cart to transport several boxes of tomatoes at a time, but before a month is up he sells the cart to buy a broken-down pickup truck.

At the end of a year, he owns three old trucks. His

two sons have left their neighborhood gangs to help him with the tomato business, his wife is buying the tomatoes, and his daughter is taking night courses at the community college so she can keep books for him. By the end of the second year he has a dozen very nice used trucks and employs fifteen previously unemployed people, all selling tomatoes.



He continues to work hard. Time passes and at the end of the fifth year he owns a fleet of nice trucks and a warehouse that his wife supervises, plus two tomato farms that the boys manage. The tomato company's payroll has put hundreds of homeless and jobless people to work. His daughter reports that the business grossed over one million dollars.

Planning for the future, he decides to buy some life insurance. Consulting with an insurance adviser, he picks an insurance plan to fit his new circumstances. Then the adviser asks him for his e-mail address in order to send the final documents electronically. When the man replies that he doesn't have time to mess with a computer and has no e-mail address, the insurance man is stunned.

"What, you don't have e-mail? No computer? No Internet? Just think where you would be today if you'd had all of that five years ago!"

"Ha!" snorts the man. "If I'd had e-mail five years ago I would be sweeping floors at Microsoft and making \$7.35 an hour."

Which brings us to the moral of the story: Since you got this story via e-mail, you're probably closer to being a janitor than a millionaire.

Sadly, so did I.

## Upcoming Hamfests, Swaps, and other Events

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Phone: 989-832 2924  
Email: [chuck.cribley@live.com](mailto:chuck.cribley@live.com)

### 54th Annual Cadillac Amateur Radio and Computer Swap

**Date:** 05/07/2016

**Time:** Doors open 8am

**Location:**

Cadillac Junior High School  
500 Chestnut Street  
Cadillac, MI

**Sponsor:** Wexaukee Amateur Radio Club

**Talk-In:** 146.980 K8CAD, Cadillac Repeater

*Lots of vendors; Onsite HT Raffle (only 100 tickets available); Door Prizes; Meetings for The UP Net and QCWA; Parking and Food at Location*

### Dayton Hamvention

**Start Date:** 05/20/2016

**End Date:** 05/22/2016

**Location:** Hara Arena

1001 Shiloh Springs

Dayton, OH 45415

**Website:** <http://www.hamvention.org>

### Dayton Hamvention Bus Trip

ARROW Communications Association in Ann Arbor is sponsoring a one-day bus trip to Hamvention—details later in this issue of the Waveguide.

### Midland Hamfest

**Start Date:** 06/18/2016

**End Date:** 06/18/2016

**Location:** Salvation Army Building

330 Waldo Avenue

Midland, MI 48640

**Website:** <http://w8kea.org>

**Sponsor:** Midland Amateur Radio Club

**Type:** ARRL Hamfest

**Talk-In:** 147.00

**Public Contact:** Pat Russell , W8PMR

4451 East Wise Road Freeland, MI 48623

### Monroe Hamfest

**Start Date:** 06/19/2016

**End Date:** 06/19/2016

**Location:** Monroe County Fairgrounds

3775 South Custer Road

Monroe, MI 48161

**Website:** <http://www.mcrca.org>

**Sponsor:** Monroe County Radio Communications Association

**Type:** ARRL Hamfest

**Talk-In:** 146.72/12 (PL 100)

**Public Contact:** Fred VanDaele , KA8EBI

4 Carl Drive Monroe, MI 48162

Phone: 734-652-3843

**Email:** [ka8ebi@yahoo.com](mailto:ka8ebi@yahoo.com)

### 2016 CMARC OUTDOOR HAMFEST

**Start Date:** 07/30/2016

**End Date:** 07/30/2016

**Location:** Holt Christian Church

2424 South Washington Road

Lansing, MI 48901

**Website:** <http://www.centralmiarc.com>

**Sponsor:** Central Michigan Amateur Radio Club

**Type:** ARRL Hamfest

**Talk-In:** 145.39 (PL 100)

**Public Contact:** Donald McLain , KB8RAD

4444 Sycamore Street Holt, MI 48842

Phone: 517-694-0812

**Email:** [KB8RAD@arrl.net](mailto:KB8RAD@arrl.net)



# Dayton Hamvention Bus Trip—Take the Bus with Us!

*Sponsored by the ARROW Communication Association and submitted by John Wasciuk, WA8TON*

**Saturday, May 21, 2016**

**Sponsored by the  
ARROW Communication  
Association**

The **ARROW Communication Association** is once again proud to sponsor a motor coach trip to the **2016 Hamvention** in Dayton, Ohio. Started in 2002, this annual club activity has grown in size and reputation with hams across Michigan. We have been host to over 500 hams for this event.

Join us on **Saturday, May 21, 2016**, when we depart from the park-and-ride lot beside Ann Arbor Pioneer High School (601 W. Stadium Blvd) at 4:30 a.m., arriving in Dayton around 8:00 a.m. On board, you can stretch out, relax, take a nap, chat with other hams, and enjoy a continental breakfast with coffee as the coach takes you directly to the country's largest amateur radio event!

**We arrive at Dayton early enough so that you can enjoy a full day!**

- Visit exhibits
- See what's new from major manufacturers
- Attend seminars
- Take license tests
- Shop the largest outdoor swap meet in the United States

When Hamvention closes at 5:00 p.m., return to the bus with your purchases for the ride back home. No standing in lines waiting for a shuttle bus or fighting traffic!

**Got stuff to sell? We can help!**

We will have a booth in the flea market. If you buy a bus ticket, you can sell your stuff at our booth. All we ask is that you limit it to a reasonable amount and that you volunteer for one hour at the booth. The cost of a booth alone is \$70, more than the cost of our ticket, which makes the ARROW trip a GREAT value!

**For our out-of-town guests!**

If your QTH is too far away to drive to meet our bus which leaves at 4:30 a.m., and you need information about hotels in Ann Arbor, contact us at the information listed below for details.

**This is no ordinary bus trip –  
it's an ADVENTURE!**

Tickets are \$65. This does **NOT** include your admission to the Hamvention. We suggest that you purchase your 2016 Hamvention ticket(s) in advance to take advantage of the discount and enjoy the day without waiting in line for your tickets, or **see how you can win one of two free Hamvention tickets** below!\*

When you add it all up, taking the bus with the ARROW is the most economical and relaxing way to attend Dayton. For more information on the 2016 trip, go to our website and click the Dayton bus trip link under Activities.

\*All ticket purchases **RECEIVED** by 4/1/2016 will be entered into a raffle drawing to win one of two free tickets to the Hamvention. Winners will be drawn at the April ARROW meeting on 4/13/2016 and will be contacted.

**Contact information:**

John Wasciuk, WA8TON  
616 560-3365  
e-mail: [jwasciuk@gmail.com](mailto:jwasciuk@gmail.com)

**To sign up online, or download  
the registration form, visit the  
ARROW Communication Association Website: [http://  
www.w8pgw.org/activities/  
dayton-bus-trip/](http://www.w8pgw.org/activities/dayton-bus-trip/)**



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

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### Mount Clemens MI 48043-2217

**Sponsor:** SAROF

**Date:** May 07 2016

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

**Contact:** Clifford W. Ibbs

(586) 567-0436

**Email:** [ab8xq@arrrl.net](mailto:ab8xq@arrrl.net)

**VEC:** [W5YI VEC](#)

**Location:** Mt. Clemens Salvation Army Corps (rear entrance)

55 Church St

Mount Clemens MI 48043-2217

### South Lyon MI 48178

**Sponsor:** South Lyon Area ARC

**Date:** May 28 2016

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

**Contact:** Edward W. Roney

(248) 719-4643

**Email:** [kd8osm@tir.com](mailto:kd8osm@tir.com)

**VEC:** [ARRL/VEC](#)

**Location:** Witch's Hat Depot

South Lyon Historical Society

McHattie Park Walk-Ins Welcome

200 Dorothy Street

South Lyon MI 48178

### Port Huron MI 48060-4014

**Sponsor:** Eastern Michigan ARC

**Date:** May 14 2016

**Time:** 10:00 AM (Walk-ins allowed)

**Contact:** Martin Smith

(810) 385-5584

**Email:** [pioneer-2@att.net](mailto:pioneer-2@att.net)

**VEC:** [ARRL/VEC](#)

**Location:** St Clair County Library

210 McMorran Blvd

2nd Floor Meeting Room

Port Huron MI 48060-4014

### Oak Park MI 48237-2085

**Sponsor:** Hazel Park ARC

**Date:** Jun 07 2016

**Time:** 7:00 PM (Walk-ins allowed)

**Contact:** Alvin J. Begel

(248) 543-2284

**Email:** [w9npi@comcast.net](mailto:w9npi@comcast.net)

**VEC:** [ARRL/VEC](#)

**Location:** Oak Park Community Center

14300 Oak Park Blvd

PRE-REGISTRATION URGED

Oak Park MI 48237-2085

### Livonia MI 48154-3045

**Sponsor:** Livonia ARC

**Date:** May 18 2016

**Time:** 7:00 PM (No walk-ins)

**Contact:** Bruno V. Walczak

(734) 464-8928

**Email:** [bruno-ceil@att.net](mailto:bruno-ceil@att.net)

**VEC:** [ARRL/VEC](#)

**Location:** Livonia Civic Center Library

32777 5 Mile Rd

Livonia MI 48154-3045

Have an old radio, antenna or something related to the hobby for sale?

Looking for something hard to find?

Send it the editor for an upcoming issue of the Waveguide!

[KD8YUK@KD8YUK.ORG](mailto:KD8YUK@KD8YUK.ORG)

***Don't let this page stay empty!***

*Include the item name, condition, asking price (or best offer), and your contact information. Photos are a plus, too.*



## 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