



MIDLAND AMATEUR RADIO CLUB  
PO BOX 1049, MIDLAND, MICHIGAN 48641  
www.w8kea.org

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	Keith Johnson KB8SOE	(989) 488-4337
	Pat Mullet KC8RTW	(989) 828-6657

#### LIFE MEMBERS

Don W8WOJ, Lee KC8ITI, Dennis N8ERF, Larry N8CGP, Denny WD8BPT, John WB8RCR

Midland County Public Service Net, Thursdays at 9 PM  
W8KEA Repeater — 147.000 MHz+ PL 103.5 • W8QN Repeater — 443.325 MHz+ PL 103.5  
W8KEA Digipeater — 145.090 MHz

Next ARES®/RACES Meeting — Thursday, February 2, 2017, 6:00 PM  
Law Enforcement Center, 2727 Rodd St.  
Next CLUB Meeting — Thursday, February 2, 2017, 7:30 PM  
Salvation Army Bldg., 330 Waldo Ave.  
Talk-in 147.000+

February

## Static Discharge

John Wolters, W8QN

Well now we have replaced snow with ice and rain. What a wild ride but I would rather have the snow. I will stop complaining. I had planned to make the club Christmas Party but I caught a bug that I have not been able to shake completely. Some days are good and some not so much. The changing WX has not helped.

The Michigan ARRL Section News talks about Michigan State Parks on the air. Looks like a neat opportunity if you're looking for a portable activity in the coming months. And it looks like there is a planned Ham Convention for the Michigan International Speedway on October 7<sup>th</sup> and 8<sup>th</sup>. Sounds like a lot more detail to come but you might add the dates to your calendar. ([www.glhamcon.org](http://www.glhamcon.org)) Jackson MI is a lot closer than Dayton OH.

The February meeting will be a presentation by John (WB8RCR) on the new digital repeater that should be on the air shortly, and the March meeting will be Skywarn® training at the LEC. The school electronics clubs are

**When all else fails...  
...Amateur Radio!**



talking about a balloon launch in May so look for an RDF (radio direction finding/fox hunt) session

soon.

I hope that you and yours have been safe with the changing WX. And, see you at the February meet-

ing.

John, W8QN

## My Two Cents

Pat Mullet, KC8RTW

It's been a while, but I'm finally starting to get back into the swing of things. I had some power supply problems following a line surge caused by high winds about a month or so back that blew a transformer on

### MARC MEETINGS

Mark Murray, W8MGM, is in charge of special events and topics for the MARC monthly meetings. If you have any agenda items, or topics for the meetings, please contact Marc at (989) 513-7174, or via e-mail: [mark.g.murray@icloud.com](mailto:mark.g.murray@icloud.com).

### COMMUNICATIONS

Pat Mullet, KC8RTW, is in charge of communications and publicity for the club. If you have any questions or ideas regarding these areas, please contact Pat at [kc8rtw@arrl.net](mailto:kc8rtw@arrl.net).

### EXAMINATION SCHEDULE

Saginaw - All future VE testing will be done on an appointment basis only.

Corunna - Contact Thomas Carpenter (517) 579-0599 [ki8as@charter.net](mailto:ki8as@charter.net).

Bay City - All future VE testing will be done on an appointment basis only.

Isabella/Clare Counties - Contact Gus Glass, K8GUS at [k8gus@arrl.net](mailto:k8gus@arrl.net)

With all examinations, your original license, a copy of that license, a second photo identification (drivers license, etc.) and a check or money order for \$15.00 made out to "ARRL/VEC" are required.

The address listed below gives testing sessions scheduled for Michigan. <http://www.arrl.org/arrlvec/exam-search.phtml?State=MI>

### SUBMISSIONS FOR NEWSLETTER

Contact Pat Mullet, KC8RTW at [kc8rtw@arrl.net](mailto:kc8rtw@arrl.net) if you want to submit anything for the newsletter.

I need your items by the 15<sup>th</sup> of the month. Anything received after that may not make it into the newsletter for that month.

If you prefer to download the MARC newsletter from our web site, or have trouble with delivery via USPS, contact John, W8QN at [w8qn@arrl.net](mailto:w8qn@arrl.net).

### MEDIA HITS!

Have you seen or heard mention of the Midland Amateur Radio Club in the news or in the paper? If so, please forward it, or mention of it to either Pat, KC8RTW ([kc8rtw@arrl.net](mailto:kc8rtw@arrl.net)) or John ([w8qn@arrl.net](mailto:w8qn@arrl.net))

the north end of town. We were extremely lucky, as whenever the north side of town experiences power problems, the lights usually go out here, too. We only experienced flickering of our lights, but the supply feeding my VHF/UHF radio shut down and had to be reset.

One of the things I've done in the interim has been to update my logging software—Scott, N3FJP is continually updating his software, adding new features and various bells & whistles to make operating more convenient, especially if your radio can interface with your computer, and once you purchase one of his programs you are entitled to lifetime troubleshooting and upgrades. What a deal!

As I write this, the North American QSO Party (SSB) is scheduled for this weekend, running from 1:00 pm Saturday, January 21 until 1:00 am, Sunday, January 22. I want to get in

on the action so I can get a chance to fill in more slots on 80 and 40 meters as I work towards my Five Band Worked All States award.

By the way, I want to thank Stan Rowe, K6VWE for taking some time to pass along various tips in obtaining paper QSLs from foreign stations. In fact, I'm trying to convince him to write up his suggestions for the newsletter.

One last piece of unfinished business from last month: I'd mentioned the idea of using drones to help hang wire antennas in trees. It looks like the idea isn't unique, as last week's [ARRL Contest Update](#) contained a [pointer](#) to this video where a drone is used to drop a fishing line out in a river. Just the thing for Field Day!

That's it for this month. Hope to hear you on the air.

73, Pat, KC8RTW

## ARES® / RACES

Al Bailey, KA9WCS

The ARES® / RACES team will continue to meet at 6:00 pm on the first Thursday of each month at the Midland Law Enforcement Center. This is the same day as the regular Radio Club meeting. All amateurs with an interest in community service or emergency response are welcome to join. Don't hesitate to contact KA9WCS Al Bailey with any questions.

Our first meeting topic for 2017 is, "What Could Go Wrong?" We will generate a basic fault tree to identify potential community emergency situations and the amateur radio skills/resources needed to respond. These situations will be the basis for future training and mock drills. I also want to validate current ARES® / RACES members' contact data and radio

capability. Come out to the Law Enforcement Center before the local club meeting on February 2 at 6 pm, with ideas about what can happen to us and possibly go wrong. I will be providing a light snack for those who show up.

Our second meeting topic will be the SKYWARN® training program. This is always a great program with Richard Pollman, the Detroit area NOAA Warning Coordination Meteorologist. All interested individuals are welcome. This special training will start at 7 pm on Thursday March 2 at the Midland Law Enforcement Center (note the later start time!). More information about the SKYWARN® network of severe weather spotting and communication is available at [www.skywarn.org/about/](http://www.skywarn.org/about/). Below is just a

sample.

The effects of severe weather are felt every year by many Americans. To obtain critical weather information, NOAA's National Weather Service (NWS), part of the U.S. Department of Commerce, established SKYWARN® with partner organizations. SKYWARN® is a volunteer program with nearly 290,000 trained severe weather spotters. These volunteers help keep their local communities safe by providing timely and accurate reports of severe weather to the National Weather Service.

Although SKYWARN® spotters provide essential information for all types of weather hazards, the main responsibility of a SKYWARN® spotter is to identify and describe severe local storms. In the average year, 10,000 severe thunderstorms, 5,000 floods and more than 1,000 tornadoes occur across the United States. These events threatened lives and property.

Since the program started in the 1970s, the information provided by SKYWARN® spotters, coupled

with Doppler radar technology, improved satellite and other data, has enabled NWS to issue more timely and accurate warnings for tornadoes, severe thunderstorms and flash floods.

SKYWARN® storm spotters are part of the ranks of citizens who form the Nation's first line of defense against severe weather. There can be no finer reward than to know that their efforts have given communities the precious gift of time—seconds and minutes that can help save lives.

NWS encourages anyone with an interest in public service and access to communication, such as HAM radio, to join the SKYWARN® program. Volunteers include police and fire personnel, dispatchers, EMS workers, public utility workers and other concerned private citizens. Individuals affiliated with hospitals, schools, churches, nursing homes or who have a responsibility for protecting others are also encouraged to become a spotter.

## General License Class Forming

The Midland Amateur Radio Club is organizing an Amateur Radio General License class starting February 6<sup>th</sup> and will meet on Mondays and Thursdays for the next seven weeks at Midland High School Room 321, 1301 Eastlawn Dr. in Midland. Each class will start at 7:00 pm and run approximately two hours, covering everything you need to know to obtain your General class Amateur Radio license.

There is no fee for the class,

though the textbook used—*ARRL General Class License Manual 8<sup>th</sup> Edition* has a list price of \$29.95. If you order the book through the class, you can get in on the club discount and get the book for \$25.00.

Students can sit for a license exam on the completion of the class.

For more information contact Lee Hodges, KC8ITI at [kc8iti@arrl.net](mailto:kc8iti@arrl.net) or phone (989) 486-3771.

## 2017 MS Walk in Planning Stages

Volunteers are needed for the annual MS Walk scheduled for April 29<sup>th</sup>. This year's Walk will start and end at Midland HS. The event runs from 9:00 am to noon and will feature both one and three mile walks this year. If you'd like to assist in this low impact public service event, contact KB8UIH to

volunteer. More information will be posted as it becomes available.

Chris Rose, KB8UIH  
[kb8uih88@charter.net](mailto:kb8uih88@charter.net)  
989-832-7179

### Upcoming Events

4/15	Michigan QSO Party
4/29	MS Walk
5/20	Dow Run
6/24-25	Field Day

### Michigan Hamfests

1/29	Madison Heights
2/4	Negaunee
2/11	Traverse City
2/19	Livonia
3/11	Lowell
3/18	Kalamazoo
4/22	Chassell
5/6	Cadillac
6/17	Midland*
9/9	Wyoming
9/17	Adrian
10/22	Kalamazoo

### Area Nets

SVARA; Mn, 147.24 MHz, 2100 ET  
Gladwin; Tu, 147.18 MHz, 2000 ET  
BARTS; Tu, 145.31 MHz, 2100 ET  
Canadian Lks, Wed, 146.8, 2100 ET  
Edmore, Th, 146.8, 2000 ET  
MARC; Th, 147.00 MHz, 2100 ET  
District 3 ARPS; Su, 145.31 MHz, 1830 ET  
Mi VHF Trffc Net; MWF, 145.15 MHz, 0900 ET  
TMMTN; Mon-Sat, 147.30 MHz, 2130 ET  
MACS; Sun-Sat, 3953 kHz 1100 ET  
MIARPS; Su, 3932 kHz, 17:00 ET  
UPN; Sun-Sat, 3920 KHz, 17:00 ET  
MITN; Sun-Sat, 3952 kHz, 1800 ET  
QMN; Sun-Fri, 3563 kHz, 1830 & 2200 ET  
WSSBN, 3932 kHz, 1900 ET  
UP-ARES; Fr, 3932 kHz, 1930 ET  
GLETN; Sun-Sat, 3932 kHz, 2030 ET  
SEMTN; Sun-Sat, 145.33, 2215 ET  
MIDTN - 1900 local Tu, Th, Sat 3.583  
+waterfall, Oivia 8/500

### MARC MERCHANDISE

T-Shirt	S- XL	\$10
	2X - 3X	\$12
Long-Sleeve Tee	S- XL	\$12
	2X - 3X	\$15
Crew Sweatshirt	S- XL	\$18
	2X - 3X	\$20
Hoodie	S- XL	\$24
	2X - 3X	\$26
Zipper Hoodie	S- 3X	\$30
Winter Coat	S- XL	\$42
	2X - 3X	\$45
Spring Jacket	S- XL	\$32
	2X - 3X	\$35
Hat		\$10

All garments are royal blue with white print and embroidered name and number. Extended sizes available.

Please call Bill Lee at B&C Sportswear with questions @ (989) 839-4537.



## Time To Clean Out Some Club Donations

Over the last year, the club has received many equipment and parts donations from silent key estates, hams that have moved and hams that have become inactive. It has reached the point that I just can't store all the stuff anymore. I hate to throw all of the bits and pieces in the trash without giving the club members a chance to ac-

quire some of these treasures. I've made an inventory of most of the stuff with more being added each day. There is way too much stuff to list in the newsletter so if you are interested in seeing what's available send me an email at [kc8iti@arrrl.net](mailto:kc8iti@arrrl.net) and I'll send you a list of what I have. If you are looking for something specific,

again sent me an email and I'll scan the list and get back to you. Most of the stuff doesn't have a lot of value so a donation to the club would be appreciated. Other pieces have some value and we can negotiate prices on those items.

Lee – KC8ITI Quartermaster  
Midland Amateur Radio Club

## 2017 Michigan QSO Party

—*From the Michigan QSO Party website.*

The 2017 Michigan QSO Party, sponsored by the Mad River Radio Club, will take place from 1600Z April 15, 2017 until 0400Z April 16, 2017. This is noon to midnight local time in Michigan. Stations may operate the full 12 hours.

The MiQP will run on Phone and CW on 80/40/20/15/10 meters. Single-op, multi-op, EOC and mobile categories will be permitted.

Stations may be worked once per band and mode. MI-to-MI QSOs are allowed. Work portables and mobiles again as they change county, state or province.

Participants will exchange QSO number and location (county for Michigan stations, state/province or “DX” for all others).

For full rules, along with free logging software, log and summary sheets, see <http://www.miqp.org>.

## Michigan Section News January, 2017

(ARRL Members Only Web site—1/15/2017)

Greetings and best wishes for the New Year!

December and thus far in January things have been pretty busy here in Michigan.

The National Parks on the Air (NPOTA) event turned out to be wildly successful with QSO's slightly above one million for the one year period.

Michigan chasers and activators certainly did their share, particularly near the end of the year long event. Many braved the cold and the snow to go out into the field to give out contacts in a push to get the QSO count over the 1,000,000 mark. Bravo!

*MSPOTA*

The upcoming Michigan State Parks on the Air is looming ever closer and the development team is hard at work getting the computer programs in order and ready to go.

They are building a system whereby activators will load their logs into our database and that will power the leader board and honor roll. Chasers that want a QSL card from the parks will send an SASE for that card. We are looking for clubs to become a host sponsor for a park in their area. Be advised that there may be a significant delay in sending out cards as the sponsoring clubs will likely accumulate cards in order to process cards as a batch.

Speaking of QSL cards, each park is slated to have 500 cards that are specific to that park. Cards requested and issued bey-

ond those 500 will be a generic State Park card. The park specific cards will be the holy grail of MSPOTA. I foresee a three year long scramble to get all parks contacted and collecting park specific cards for all parks!

All Activators and chasers alike are encouraged to upload their contacts into LOTW as well.

DNR Parks and Recreation have delayed the beginning of the event to April 1. It is important to note that most state parks don't open until about that time frame. It is also important to remember that while we will be participating with the DNR Parks and Recreation Division our participation is dependent on their willingness to allow us to do so.

There has been some grumbling about why we have to do this on a schedule that suits

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# It's Not Your Grandfather's Amateur Radio!

4

DNR Parks and Recreation Division and why we can't just show up and operate without having to seek out a Park Ranger before setting up and operating. We owe the DNR Parks and Recreation Division folks the courtesy of playing by their rules. They are responsible to see that the park property is properly protected, that people follow the rules of the park, and that order is kept. In truth, these expectations are not significantly different than the rules that all park visitors must follow. MSPOTA is also a continuance of the relationship between Amateur Radio and the State of Michigan.

DNR Parks and Recreation Division recognizes the relationship we have with the Michigan State Police and other agencies and is very interested in supporting and furthering that relationship with their partnership in MSPOTA.

Our goal here is twofold: Help the Michigan Parks and Recreation celebrate the 100<sup>th</sup> Anniversary of the Michigan State Parks system and to provide and organize a fun operating event that will include not only Michigan hams but hams across the country and to a certain extent, around the world. Let us not forget to consider MSPOTA as a giant EMCOMM drill which will allow us to hone and perfect our portable operations equipment and abilities.

You can keep track of MSPOTA activities and news at <https://www.facebook.com/groups/MSPOTA>

### *Michigan State Police 100<sup>th</sup> Anniversary*

On April 19, 2017, the Michigan State Police will celebrate their 100<sup>th</sup> Anniversary. Keep your eyes open for special 100<sup>th</sup> Anniversary Black and Gold paint scheme on 50 new patrol cars.

Each of the MSP's 30 posts will receive at least one 100<sup>th</sup> Anniversary patrol car for use on general patrol and at community events so chances are good that you will see them in your area.

### *MSP Special Event Stations:*

There will be two special event stations in Michigan to celebrate the 100<sup>th</sup> Anniversary of the MSP.

Les, W8MSP will be on the air from April 15 – April 30 as W8P. Full information is available on the ARRL website by searching for special event stations. See the W8MSP QRZ page for pictures of his very nice QSL card!

The second Special Event Station will take place on Saturday, April 22 and will emanate from the Michigan State Emergency Operating Center in Dimondale. The callsign used will be WS8EOC. More information will

appear in QST in the near future when all details are worked out. QSL's will be by SASE.

### *Great Lakes HamCon @ Michigan International Speedway*

Work continues on our project to bring a big-time Ham Convention to Michigan, scheduled for October 7 & 8, 2017 at Michigan International Speedway just southeast of Jackson, MI.

In addition to collaborating with International Speedway Corp and Michigan International Speedway, the Great Lakes Amateur Radio Association has formed a 'council of clubs' which now numbers 10, with a few more clubs scheduled to be visited in the next month or so. There are many, many things in the works and our team has weekly conference calls in addition to lots of emails zipping back and forth.

Our goal is to produce a first class event that will attract commercial vendors, flea market vendors, and hams from around a 5 state area to come experience the Great Lakes HamCon difference. Our website is located at [www.glhamcon.org](http://www.glhamcon.org).

73 until next month,  
Larry Camp, WB8R  
ARRL Michigan Section  
Section Manager  
[wb8r@arrl.org](mailto:wb8r@arrl.org)

## New "Amateur Radio Parity Act" Bill Introduced in US House

(ARRLWeb—01/16/2017)  
[H.R. 555](#) — a new "Amateur Radio Parity Act" bill — has been introduced in the U.S. House of Representatives. The bill's language is identical to that of the 2015 measure, H.R. 1301, which passed in the House late last summer but failed in the waning days of the US Senate to gain the necessary support. As with H.R.

1301, the new measure introduced on January 13 in the 115<sup>th</sup> Congress was sponsored by Rep. Adam Kinzinger (R-IL), with initial co-sponsorship by Rep. Joe Courtney (D-CT) and Rep. Greg Walden, W7EQI (R-OR). Walden now chairs the House Committee on Energy and Commerce, to which the new bill has been referred. H.R. 555 will get an initial

airing in the Subcommittee on Communications and Technology. When H.R. 1301 came up in committee, Walden spoke forcefully in favor of the measure, which ultimately attracted 126 House co-sponsors.

"Rep. Kinzinger has again stepped forward to introduce this important legislation," said ARRL CEO Tom Gallagher, NY2RF.

# Explore the World with Amateur Radio!

“His commitment stems from exposure to what the Amateur Radio community brings to the service of all communities. The ARRL and radio amateurs nationwide owe Rep. Kinzinger a resounding ‘Thank You!’ for his efforts on their behalf.”

H.R. 555 calls on the FCC to establish rules prohibiting the application of deed restrictions that preclude Amateur Radio communications on their face or as applied. Deed restrictions would have to impose the minimum practicable restriction on Amateur

Radio communications to accomplish the lawful purposes of homeowners association seeking to enforce the restriction.

The ARRL Board of Directors is expected to discuss the pending legislation when it meets January 20-21.

## ARRL Transitioning to New Digital Publishing Platform

(ARRLWeb—12/07/2016)

ARRL is moving to a new digital publishing platform! The January 2017 digital edition of *QST* will be the first produced using *PageSuite*. ARRL Publications Manager Steve Ford, WB8IMY, said the transition from the current *NxtBook* platform to *PageSuite* not only will improve members’ reading experience, it will be more convenient.

“*PageSuite* provides a sleek, modern design that runs on desktop browsers, mobile browsers, and within apps for mobile devices,” Ford said. “*PageSuite* does not require *Flash* but uses *HTML5* instead. This alleviates many security concerns and makes the magazine more broadly compatible.”

New *QST* issues, beginning with the January 2017 edition, will take up less space on mobile devices, speeding up download time. Added features include digital *bookmarks* to save a page and pick up right where you left off, and a *clipping tool* to save or share important passages as JPEG files. Video files will be hosted on YouTube in high resolution.

The new application is compatible with Android devices, iOS devices — including iPhones, iPod touches, and iPads — and will be newly available to Kindle Fire! These apps will receive regular, quick updates in order to keep the application running smoothly.

Ford said the link to the digital edition of the monthly journal will remain in the same spot on the

*QST* website, and members will continue to be notified of its release via e-mail.

ARRL has compiled a “how-to” guide to help members navigate *PageSuite*, which will be available on the [QST webpage](#) on the day the January digital issue is announced. The announcement concerning the availability of the January issue of *QST* in the new desktop/laptop version, the how-to guide, and the new digital *QST* apps, will be forthcoming.

Members can use the online digital *QST* [feedback form](#) to comment on the new platform when it is available. To ease the transition, *NxtBook* applications will continue to function on iOS and Android devices until January 1.

## ISS Packet Digipeater is Now on 70 Centimeters

(ARRL Letter—Dec. 8, 2016) The Amateur Radio on the International Space Station ([ARRL](#)) packet digipeater aboard the ISS now is active on 437.550 MHz. The UHF frequency means users will have to make adjustments for Doppler on both uplink and downlink. The change to 70 centimeters comes in the wake of a problem that has sidelined the

Ericsson VHF transceiver, so the UHF model has been put into service. The digipeater operates just as it did when it was on its former 145.825 MHz frequency. AMSAT suggests that users program a group of five memory pairs to permit an operating range that will compensate for Doppler, with transmit frequencies from 437.560 to 437.540 MHz,

and receive frequencies from 437.540 to 437.560 MHz, in 5 kHz increments (i.e., the transceiver would be in simplex for 437.555 MHz). [More information](#) is available from the AMSAT website. Scheduled ARISS contacts and APRS operations will also utilize the Ericsson UHF transceiver in the Columbia module. -- *Thanks to AMSAT News Service*

## Technical Topics and Information

(ARRL Contest Update —Jan. 11, 2017) The [BITX40](#) is a \$59 40 Meter SSB transceiver board set designed by Ashhar, VU2ESE and assembled by a women's collective in India. It boasts a SIS531 DDS controlled VFO with Arduino Nano controller, crystal filtering, and a strong following with a

Yahoo support group. The project was designed with homebrewing and experimenting in mind, with plenty of room on the circuit board for changes. There's an active [Yahoo group](#) devoted to it and the BITX20.

♦ In an interesting bit of detective story, [amateurs in the](#)

[Netherlands tracked down an RFI source](#) that was interfering with weak-signal reception of an antenna pointed over the North Sea to the UK. The source of the interference happened to be right in the path of the antenna, on a ship that was not moving, with a captain that was highly cooperative.



♦ Looking for information on a vacuum tube for your Throw-back Thursday radio project? Check out this [collection of electron tube data sheets](#) - approximately 8,400 pages of tube data scanned and stored for your perusal. (Brad, AA1P, via QRP-L mailing list)

♦ Pete, K0BAK, describes his acquisition of a used TV van for anticipated UHF/VHF and HF operation in the [January 2017 issue of the Mt. Airy Radio Club's Cheese Bits newsletter](#) (PDF). With a 5KW generator and 50-foot pneumatic mast, it has a lot of

potential. Using a portable station such as this could be a solution to restrictive CC&Rs or Homeowner Association rules.

♦ If you're involved in analog electronics as an engineer, technician, educator, inventor, or student and are passionate about your work, and interested in an informal networking opportunity, you'll want to check out the annual [Analog Aficionados](#) dinner, to be held Sunday, February 5, in Santa Clara, CA. There's no formal program. The organizers publish and distribute placemats featuring the bios of the regular attendees to

help stimulate discussions. 2016's regulars included a number of amateurs.

♦ [ITURHPROP](#) is a new [propagation prediction tool](#) available through the RSGB website. It uses a new prediction engine, said to be more accurate than previous engines. Using the point-to-point mode of the web-browser-based application, it's easy to calculate the path characteristics between two points on the globe to determine projected path MUF and SNR. The RSGB is looking for help in improving the application beyond its initial release.

## MARC Vital Statistics

### Memberships Expiring in January

KB8PGW  
KC8CTG

KE8CTH  
WB8WNF

### Memberships Expiring in February

AC8RT  
K0ACP

KD0JHX  
KB8TBI

KD8IWB  
W8PMR

### Memberships Expiring in March

N8LBF

N8WTQ

W8QN

### Members in Good Standing

AC8QF	KA8ORL	KC8MUD	KD8MRB	KE8EOW	N8CGP	W8LSS	WA8Y
AC8RT	KA9WCS	KC8RTW	KD8QAM	KE8EOX	N8ERF	W8PMR	WB8FYR
AG8B	KB8PGW	KC8TQS	KD8QXK	KE8FIX	N8JBW	W8QN	WB8RCR
K0ACP	KB8SOE	KD0JHX	KD8QXL	KE8FIY	N8KRL	W8WOJ	WB8WNF
K6VWE	KB8TBI	KD8HID	KE8CTH	KE8FIZ	N8LBF	W8ZSX	WD8AXR
K8RI	KB8UIH	KD8HIH	KE8CTI	KE8FJA	N8NGT	W8ZSX	WD8BPT
K8VB	KC8CTG	KD8IWB	KE8DON	KE8FJB	N8WTQ	WA8KJR	WD8ODG
K8VFO	KC8ITI	KD8MMH	KE8DOP	KE8FJD	NX8A	WA8LQD	WN8QGV

Current Active Club Membership 64

### Birthdays Celebrated in January/February

K8SRH 1/1	KA8HQW 1/13	KD8HID 1/29	K0ACP 2/7
KD8HIF 1/6	N8NNA 1/14	KB8QWQ 1/29	KB8LQM 2/8
K7GTK 1/8	KD8GRQ 1/19	KC8ITI 2/2	KD8EJK 2/14
KB8VNX 1/11	W8PMR 1/20	AA8EJ 2/3	W8NON 2/14
KD8FRH 1/12	N8KRL 1/24	W8JBD 2/4	KB8MCI 2/15
WZ8Z 1/12	W8ZSX 1/28	KE8EOW 2/4	

### Anniversaries Celebrated in January/February

KC8ZMQ and Karen 1/1  
KA8EZT and Linda 1/2

KD8COB and Bernadette 01/25  
KC8TQS and Julia 02/14

Information is from data received 1/2/2017

Any corrections or questions contact Larry, N8CGP

# Amateur Radio. . . We Do That!



Pat Mullet  
Newsletter Editor  
171 E. Orchard Ave.  
Shepherd, MI 48883

If you desire to join the Midland Amateur Radio Club, the dues are \$20 per year for an individual membership. A family membership is available for an additional \$5 per year which covers all of the individual's family members. Family members must reside at the same address as the primary member to be eligible for the family member rate. The membership dues help to cover the operating expenses of the Club, and its radio systems. Membership includes Autopatch privileges on the W8KEA repeater (147.000+), voting privileges at MARC meetings, and a monthly newsletter. Please supply the following information:

Name: \_\_\_\_\_ Callsign: \_\_\_\_\_ License Class \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
Home Phone (\_\_\_\_) \_\_\_\_\_ Work Phone (\_\_\_\_) \_\_\_\_\_  
E-mail address \_\_\_\_\_  
Spouse: \_\_\_\_\_ Callsign: \_\_\_\_\_ License Class \_\_\_\_\_  
Birthday: (mm/dd) \_\_\_\_\_ Anniversary: (mm/dd) \_\_\_\_\_  
Desired newsletter format: Paper copy via USPS \_\_\_\_\_ or via e-mail \_\_\_\_\_

Are you an ARRL Member? Y/N      Do you want an ARES Application? Y/N

We request this information so we can communicate with you regarding MARC business, and periodically send you newsletters and congratulatory birthday & anniversary greetings. We do not sell this information nor will we knowingly publicize private information without your permission. Information that is publicly available may be distributed to Club members for various purposes, including membership lists, without prior notification.

You may give this completed form to the MARC treasurer, or you may mail it to:

MARC, PO Box 1049, Midland, MI 48641-1049