



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 — Cancelled
Law Enforcement Center, 2727 Rodd St.
Next CLUB Meeting — Thursday March 3, 2016, 7:00 PM
Law Enforcement Center, 2727 Rodd St.
Talk-in 147.000+

March 2016

Static Discharge

John Wolters, W8QN

Well, I have to apologize for the lack of a meeting presentation for the February meeting. It was not without trying, but became a comedy of errors.

That will not happen for the remainder of the year. Look for a topic later in the newsletter that will list presentations at upcoming meetings.

Talking about presentations, the March Club meeting will be replaced by our semiannual SKYWARN® training. It will start a 7 pm at the Law Enforcement Center. This will replace both the ARES®/RACES meeting and the regular Club meeting. The public is invited, no preregistration is required, and there is no cost. Hope to see you there.

John Wolters, W8QN

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



The meeting was called to order at 7:30 p.m. by John W8QN with 28 members and guests present. A sign-in sheet was passed around and introductions were made.

Any corrections or additions to the minutes should be brought to the attention of the secretary,

MARC MEETINGS

Keith Johnson, KB8SOE, 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 Keith at (989) 488-4337, or via e-mail: kb8soe@arrl.net.

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

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.

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

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 if you want to submit anything for the newsletter.

I need your items by the 15th 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.

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) or John (w8qn@arrl.net)

Linda KC8MUD. Please let John W8QN know if you need to update your e-mail address. He would like to have a current and accurate e-mail list of club members.

- EC/RO Report— John W8QN— Join the group for *FLDigi* VHF Practice on the 2nd and 4th Thursday at 8:00P.M.

- Treasurer's Report - Larry N8CGP— Thank-you to all those who have renewed your dues. January was a particularly good month for renewals.

- SKYWARN® Training— John W8QN—The March 3rd Meeting will be held in the LEC for SKYWARN® Training. Program begins at 7:00 P.M. Everybody is invited to attend.

- MS Walk—Chris KB8UIH—The MS Walk is on April 30th and starts at the Midland High School.

- Dow Run— John W8QN—The Dow Run is on May 21st. A sign-up sheet was sent around. See John if you can help.

- Club Auction— Lee KC8ITI— Bids end at 6:00 P.M. on Saturday.

- Assistance needed— Lee KC8ITI— Leanne Colby has asked for somebody to help her get a radio license. She may need help getting to a class. Contact Lee if you can help.

- Saginaw Club—Mike KD8HMM—Mike invited our members to their annual club auction at the Red Cross building in Saginaw on February 5th.

- USS Edson—Lou N8LOU—Lou gave us an update on the upcoming USS Edson ARC activities. Also Lou is asking for volunteers for The Tall Ships Weekend-July 16th-17th. If you are interested please contact Lou.

- Swap— Pat W8PMR— Things are on track with the Swap. We have the use of the Salvation Army Building's gym, kit-

chen and classrooms. Fliers are coming. If you can pick up some fliers and post them around town it would be appreciated.

- Region 5—John W8RCR— John is going to a Region 5 Conference up north. He spoke about the massive effort being done in regards to the Flint Water Crisis.

- Flood Stage—John W8QN—The Tittabawassee River is at flood stage.

Net Control

Feb. 11th John W8QN

Feb. 18th Lee KC8ITI

Feb. 25th Art K0ACP

- High School Club—Will K8VFO— Will gave a good report on the Middle School Club and the High School Club.

- Packet—Del WB8FYR— The Packet System at the hospital is being updated. If you would like to know more or if you can help in these efforts please contact Del.

- Christmas Party— Dorie N8WTQ— A good time had by all, thank-you Dorie for planning that. Dorie also asked if we wanted the party before or after Christmas next year. The consensus was that we have it in January again. Thank-you Del for the accordion playing.

- WSPR—Will K8VFO— Told about his WSPR transmitter. To learn more about WSPR, google "WSPRNet.Org."

- Contests— A discussion about several upcoming contests finished the evening.

- A motion to adjourn the meeting made by Larry N8CGP and seconded by Dorie N8WTQ.

The meeting adjourned at 8:30 P.M.

Respectfully submitted,
Linda KC8MUD
MARC Secretary

My Two Cents

Pat Mullet, KC8RTW

Yes, even though it's the middle of winter, it's time to start thinking about upcoming amateur radio activities and public service events—besides, Punxsutawney Phil didn't see his shadow this year, so Spring should be early this year, right?

First up, mark your calendars for the two public service events MARC does each year: the MS Walk April 30th and the Dow Run on May 21st. The MS Walk is something of a “low impact” event for the club and makes an ideal opportunity for hams to “get their feet wet” in operating in a directed net environment. Contact Chris Rose, KB8UIH if you'd like to participate. The Dow Run is more upscale, requiring both more man-power and a more disciplined directed net. Contact John, W8QN if you are willing to help.

Planning is underway for the 2016 Midland Hamfest, June 18th. We'll be back at the Salvation Army Building, and volunteers for set-up, strike, operations and the VE testing are all needed. Contact either Chuck, WA8LQD or Pat, W8PMR to volunteer for the Hamfest, VEs willing to serve, contact Dennis, N8ERF, the Club's ARRL VE Liaison.

The Michigan QSO Party will be April 16th, from noon to midnight. If you operate from home so you can activate your county, please remember to indicate the Midland ARC on your submitted log—it doesn't affect your individual score, but allows your contact to count towards the Club Competition.

The 2016 ARRL Field Day packets are available on the ARRL website. This year new bonuses

are available. Details are in the packet. As far as I know, no one has volunteered to be the MARC Field Day Chair, so the W8KEA call may be silent this year. Field Day is possibly the most popular amateur radio event each year, held each year on the 4th weekend of June, so it would be a shame if the Club doesn't participate this year.

With the formation of the USS Edson Radio Club, there are plans afoot to activate the Edson for the Museum Ships event the weekend of June 4th, as well as for the Tall Ships event in July. Contact Lou, N8LOU if you want to participate at the Edson, if not be sure to work the Edson from your home QTH.

Those of you who enjoyed last year's ARRL Centennial operating event, should be interested in this year's National Parks on the Air (NPOTA) effort. Amateurs “will be helping the National Park Service celebrate their 100th anniversary. Hams from across the country will activate NPS units, promote the National Park Service and showcase Amateur Radio to the public”, as quoted from the ARRL website. “Rovers” will operate from the sites, “chasers” will work the sites from their QTHs. As with last year's event, points will be totaled via Logbook of the World. There's no set time for any particular site to be active, so this may be a good excuse for those of us with computers in our shack to explore the DX-spotting system and associated software.

One of the best aspects of amateur radio is the enjoyment we get from the hobby, so get out there, participate and have fun!

73, Pat KC8RTW

Upcoming Events

4/18	Mi QSO Party
4/25	MS Walk
5/16	Dow Run
6/4-5	Museum Ships Event
6/27-28	Field Day
7/18-19	Tall Ships Weekend

Michigan Hamfests

2/21	Livonia
3/19	Kalamazoo
5/7	Cadillac
5/14	Chassell
6/16	Midland
6/17	Monroe*
7/16	Lowell
7/30	Lansing
8/6	Escanaba
10/16	Kalamazoo
10/30	Madison Heights

* Denotes date based on 2015 event

Area Nets

SVARA; Mn,	147.24 MHz, 2100 ET
Gladwin; Tu,	147.18 MHz, 2000 ET
BAARC; Tu,	145.31 MHz, 2100 ET
Isabella Co EOC	146.72 Mhz, 1900 ET
Canadian Lks, Wed,	146.8, 2100 ET
Edmore, Th,	146.8, 2000 ET
MARC; Th,	147.00 MHz, 2100 ET
District 3 ARPSC; 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
MIARPSC; 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.

ARES®/RACES

John Wolters, W8QN

SKYWARN® training will replace the regular March ARES®/RACES meeting. The program starts at 7 pm at the Mid-

land County Law Enforcement Center, 2727 Rodd Street. Hope to see you there.

The training with *FLDigi* con-

tinues. The practice session moves to the 2nd and 4th Thursdays at 8 pm. (before the voice net). We will meet on the repeater and then move to 146.490 simplex. This is a training session so it is not necessary to have any experience to join. There will also be some sessions that will replace the normal ARES®/RACES meeting on the first Thursday of the month. Please look for e-mails announcing those dates.

Other Training Opportunities

Steve Wuelfing, K8BZ, will come down to give a packet presentation at the Harry Browne Airport terminal meeting room March 12, (a Saturday) from 1 to 4 PM and I would like to invite the

Midland Club and ARES® group to attend.

In Steve's words, this is what he will be doing:

"Show[ing] a Power Point presentation and give an explanation on organizing a packet radio emergency communications network. Emphasis would be on the need for SYSOP management of the bulletin boards; the need for a commitment on the part of the participants to train; network organization (what works, and what doesn't.)

Doing an *Outpost PMM* demonstration along the lines of what Chris and I did in Standish. Emphasis here would be on network organization and training, *Outpost's* ease of message manage-

ment, control and record keeping.

Included will be some "beyond the basics" packet training in a dumb terminal program.

There is a big need for knowing what a node is and how it is used. Included in this segment would be sysop responsibilities which include: remote access to the BBS, passwords, command configuration, reducing frequency of beacons, BBS management, editing messages."

Hope to see you there...

Dave N8ERL

David Schneider wz8ds@yahoo.com

2016 Club Auction Concludes

Thanks to all of you that participated in the Midland Amateur Radio Club auction. Through this auction we raised \$514.02 for the club coffers. I hope the successful bidders enjoy the equipment they

received. From time to time the club receives donations of equipment and if the officers of the club decide that the equipment is not needed by the club we offer it for sale, usually in the form of an

auction.

Lee, KC8ITI
MARC Quartermaster

Future Club Meeting Presentations

The following is a list of the future presentations that will be made at club meetings. We reserve the right to change, substitute, or change the date as the case requires.

March — Skywarn® training, National Weather Service, LEC, 7 pm.

April — Summits & Beaches On The Air (SOTA & BOTAs), Dave Wallick, Salvation Army,

7:30 pm.

May — Fox Hunt, Salvation Army, 7:30 pm Bring your own equipment or use equipment from the High School club. This will help you prepare for assisting the High School track its balloon launch if you choose to.

June — Panel discussion of Mobile HF Radio. Radios, antenna, power, setup, fun. Salvation Army Building, 7:30

pm.

July — Use of HF on a Cruise Ship, Salvation Army Building, 7:30 pm.

August — SDR Receiver Discussion and Demo, Larry Macklin, Salvation Army Building, 7:30 pm.

September — WSPR Demonstration, Will Halphen, Salvation Army Building, 7:30 pm.

Operators Needed for MS Walk

The MS Walk this year will stage at Midland HS. With the demolition of Central Middle School, the venue has changed. The Walk date is April 30th, with a

start time of 11 AM. Operators are needed from 10AM through 2PM. The walk route is around the Dow Chemical Company property South East of the school. Inter-

ested operators please send me your email address and I will send route maps. Please keep the maps for future use.

Anyone who is coming out to

It's Not Your Grandfather's Amateur Radio!

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assist me, I hope to be in front of the school at the front door. If weather does not cooperate I will be inside the building but as close to the front as possible. Look for a bright green/yellow vest and an orange hat.

The net control will operate from the school club room that

day. Call on the 2M repeater 147.00+ for any directions or other info that morning. As more information is released I will send it along.

If anyone has any questions use my contact information from the club newsletter. My home telephone number should be there.

On other fronts, the Great Lakes Marathon has been cancelled for lack of sponsorship.

Thank you,
Chris Rose, KB8UIH

Dow Run Prep Underway

The Dow Run occurs this year on Saturday, May 21st. Time commitment is from 7 am until shortly before Noon.

I am looking for help from any amateur radio operator. Experience is not required. We will

pair you up with others if you have never done something like this. You do not need to be a member of the Midland Amateur Radio Club. We also have equipment available if you need it. All I need is your commitment and T-

shirt size. The day of the race you will receive a T-shirt as thanks for your effort. Support you community and thanks for your help.

John Wolters, W8QN

Get Ready for 2016 Michigan QSO Party

(www.miqp.org—2/15/2016)
The 2016 Michigan QSO Party, sponsored by the Mad River Radio Club, from 1600Z April 16 until 0400Z April 17. Stations may operate the full 12 hours. Phone and CW on 80/40/20/15/10 meters. Single-op, multi-op, and mobile categories. Work stations once per band and mode. MI-to-MI QSOs allowed. Work portables and mobiles again as they change county, state or province. Exchange QSO number and loca-

tion (county for MI stations, state/province or “DX” for others). Suggested frequencies: CW-3545, 7045, 14045, 21045, 28045; Phone-3825, 7200, 14250, 21300, 28450. One point per phone QSO, two points per CW QSO. Count multipliers once per mode. Multipliers are MI counties for all entries, plus states, provinces and “DX” for MI entries only. Final score is total QSO points times total multipliers. Submit logs no later than 30 days after the con-

test. Electronic logs in Cabrillo format are submitted via the Log Submittal page on the MiQP web site <http://www.miqp.org/submit-LogFileMiQP.html>. Mail paper logs with summary sheets to: Mad River Radio Club, c/o Dave Pruett, 2727 Harris Road, Ypsilanti, MI 48198. For full rules, along with free logging software, log and summary sheets, see <http://www.miqp.org>.

ARRL 2016 Field Day Packet is Now Available

(ARRLWeb—02/01/2016)
It's not too early to be thinking about Field Day 2016 and planning your club's strategy for a bigger score and greater participation than last year. Field Day is June 25-26 — always the 4th full weekend in June — and the 2016 ARRL Field Day Packet now is available to download as a PDF file. This year's Field Day introduces two new ways to score bonus points — Social Media and Safety Officer.

Rule 7.3.16 Social Media of-

f-ers 100 bonus points for promoting your Field Day activation to the general public via an active, recognized, and utilized social media platform, such as Facebook, Twitter, or Instagram. This bonus is available to bona fide Amateur Radio clubs and Field Day groups that welcome visitors to their operations. These bonus points are not available to individual participants, and club websites do not qualify as social media for this bonus. The bonus points are available to all Field

Day entry classes meeting the criteria.

Rule 7.3.17 Safety Officer offers 100 bonus points by designating someone to serve as a Safety Officer for groups setting up Class A stations. This person must verify that all safety concerns on the Safety Check List — found in the ARRL Field Day Packet — have been adequately met. This is an active bonus. Simply designating someone as Safety Officer does not automatically earn the bonus points. In order to claim

Explore the World with Amateur Radio!

this bonus, participants must include a statement verifying the completion of the Safety Check List in the supporting documentation sent to ARRL Headquarters.

Last year, 2720 stations submitted ARRL Field Day entries. Nearly 1.3 million contacts were logged during FD 2015 — an increase of just over 1 percent. There were 35,369 individuals taking part in Field Day last year.

The 2016 ARRL Field Day logo makes a connection to the League's year-long National Parks

on the Air (NPOTA) operating event. NPOTA celebrates the centennial of the National Park Service (NPS). ARRL Graphic Design Supervisor Sue Fagan, KB1OKW, created the logo.

The design's featured hiking boot footprint anticipates that many 2016 Field Day groups and individual operators may want to combine FD and NPOTA, setting up at national parks, historic sites, or at any of the hundreds of official National Park Service units throughout the US.

Pick your park, get the okay from park officials, get out and get on the air, and leave nothing but footprints!

You can follow Field Day on Facebook and Twitter! ARRL has created a Field Day event on Facebook. It's also possible to join the conversation on Twitter by using the hash tag #ARRLFD. Share your plans, tips, and tricks to a successful Field Day!

For more information about Field Day 2016, contact ARRL Headquarters.

Technical Topics and Information

(ARRL Contest Update—Jan. 27, 2016) On the Topband reflector, a discussion of methods of protecting beverages and other low-frequency receiving antennas from high-energy events like lightning or static discharge yielded the suggestion by Rick, K2XT: "Get some gas tubes from Mouser. I use [652-2049-12-BT1LF](#). 62 cents each last time I ordered about a year ago. Any surges are shorted around the device (resistor or transformer). The gas tubes have no effect whatsoever on the normal operation. Simply connect one across your terminating resistor, and one across the fed end wouldn't hurt either. The maintenance won't end, but the maintenance due to lightning induced surges will. No, they won't protect against a direct hit on the Beverage, but then you would have to find the 500 feet of wire first!"

◆ "Here's an [Interesting summary of amateur TV experiments](#)

[in HD](#) and even the proposed ATSC 3.0 commercial broadcast standard" - (KK6DA from Elecraft mailing list)

◆ A [conductive glue](#) that researchers are working on may one day replace solder in some applications. It binds to metal, as well as glass. The glue does not withstand high pressures or high temperatures.

◆ Researchers are [rethinking incandescent bulbs, and understanding how to optimize them](#) for better energy consumption.

◆ The \$9 [CHIP computer was mentioned in an article on NPR](#) last week. Could CHiPs, with the Linux OS, attain the same prominence as the Arduino has over time?

◆ Intel is out with a newer, more powerful version of their [Computestick](#), and [according to one review](#) it's 'usable.' The form factor could make it appealing to DXpedition or vacation-with-radio use (using a TV at the destination

for a display).

Technical Web Site of the Week

[McMaster-Carr](#) is a Chicago based company that has sold industrial materials, parts, and tools to industry for years. Pre-web, their inches-thick paper catalogs were marvelous to thumb through not only to find something you needed, but also to just read about the properties and uses of things, learn about new tools, or find engineering data relevant to your project. They've transitioned to the web, and the catalogs are available online. Especially informative are the "About XXXX" pages, which can guide to the proper usage of materials in general. Perhaps you are working on a ceramic tube amplifier, and want to use rubber sheeting to form a chimney. The "About Rubber" pages of the catalog can guide you to the right type to use.

More Technical Topics and Information

(ARRL Contest Update—Feb. 11, 2016) "After having issues with USB ports in radios and computers getting damaged by voltage surges, I bought some USB Optoisolators. Unfortunately, in their unshielded, plastic cases, they generate radiate excessive noise at RF frequencies in

my environment." -- Steve, N2IC

◆ Here's an interesting party trick (well, it depends on the party): [Generating electricity from cardboard, pencil, and teflon tape](#) ! It generates enough energy to power an LCD display.

◆ Rusts on the surface of non-exotic iron materials can be [re-](#)

[moved with a little salt and electrolysis](#). (Ward, N0AX)

◆ [Steel bluing](#) and browning also provide some protection against conventional rusting.

◆ Here's a DIY [smartphone mount](#). Scale it up or down for your device. (Ward, N0AX)

◆ When running conductors

under ground, they can be subjected to damage from water intrusion, rodents, gardening, or even just the weather. Flooded cable has a gel or liquid that discourages the intrusion of water by displacing it and the gnawing of rodents by being unpleasant tasting.

Operating Tip

Use Challenges and Teams to Develop Multi-op Skills
Joel, W5ZN, used a challenge

and reward to develop new operator skills in his local radio club:

"The [Rookie Roundup](#) has proven to be an excellent modern day replacement for the Novice Roundup of years past. The format and activity is excellent, but the entries have been single op! This year in the Rookie Roundup -- CW in December I challenged my local club to learn CW and the reward would be the opportunity to operate from my station. Two

"Rookies" took the challenge and chose to operate as a multiop, assisting each other with the effort finishing with an outstanding score and pride of accomplishment.

So, here is my challenge to all of you multiops, or multiop-capable stations: Get some Rookies to your station for a multiop Rookie Roundup effort!"

MARC Vital Statistics

Memberships Expiring in February

None

Memberships Expiring in March

KB8RCR

W8QN

Memberships Expiring in April

K6VWE
K8VB

K8VFO
KD8HIH

Members in Good Standing

AC8QF
AC8RT
K0ACP
K6VWE
K8RI
K8VB
K8VFO
KA9WCS
KB8PGW
KB8RCR
KB8TBI
KB8UIH

KC8CTG
KC8IHB
KC8ITI
KC8RTW
KC8TQS
KD0JHX
KD8HIH
KD8IWB
KD8MRB
KD8QAM
KD8QXK
KD8ULA

KD8ULT
KE8CTH
N8CGP
N8DHF
N8ERF
N8JBW
N8KRL
N8LOU
N8NGT
NX8A
W8PMR
W8QN

W8WOJ
W8ZSX
W8ZSX
WA8KJR
WA8Y
WB8FYR
WB8RCR
WB8WNF
WD8BPT
WD8ODG

Current Active Club Membership 46

Birthdays Celebrated in February/March

KC8ITI 2/2
AA8EJ 2/3
W8JBD 2/4
K0ACP 2/7
KB8LQM 2/8
W8NON 2/14
KD8EJK 2/14

KB8MCI 2/15
WW9E 2/18
KD8TCH 3/4
AC8RT 3/4
KB8VSU 3/9
NQ8T 3/15
KC8RTU 3/16

KC8RTW 3/17
KD8QXL 3/18
K8VB 3/19
KC8FDM 3/26
WD8OEU 3/27
W8QN 3/31

Anniversaries Celebrated in February/March

KD8ZKG and Belinda 2/12
KC8TQS and Julia 2/14

WW9E and KB9YSQ 2/15
K8RRB and ??? 3/4

KC8ITI and KC8MUD 3/6
WD8BPT and Melody 3/13

Information is from data received 2/14/2016

Any corrections or questions contact John, W8QN

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