



W8KEA



MARC

MIDLAND AMATEUR RADIO CLUB
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www.w8kea.org

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	Pat Mullet KC8RTW	(989) 828-6657

Swap Committee

LIFE MEMBERS

Jack W8PHG, Larry K8SQB, Don W8WOJ, Lee KC8ITI, Raleigh W8QOI (SK)

Midland County Public Service Net, Thursdays at 9 PM

Midland W8KEA Repeater — 147.000 MHz+ PL 103.5 / Midland W8KEA Digipeater — 145.090 MHz

Next ARES®/RACES Meeting — Thursday July 1, 2010

Next CLUB MEETING — Thursday July 1, 2010

Salvation Army Building, 330 Waldo 7:30 PM

Talk-in on 147.000 MHz +

July 2010

View from the Top of the Tower

Lee Hodges, KC8ITI

Linda and I no longer have a Frankenmuth address. We completed both closings on June 4th and spent that night camped out in our new house. Over the last week, we have slowly been getting our stuff from storage and other places and moving it into temporary locations around the new place. We still feel like we are camped out but things are starting to take shape. To those of you that have tried to call us on the phone, I'm sure you've noticed that things haven't worked very well. We had assurances from our Internet and phone provider that everything would work when we made the move. We bought a TracFone to use during the transition and transferred our Internet phone to the TracFone. Once we got over here, I tried to get a signal to no avail. I called tech support to get their take on why I couldn't make a connection. Of course, tech support had to update their records which reset my call forwarding. Finally, they said they would have to send someone out to get things going again but it would be 3 days before they could make it out. The tech came out and said yes, we could get a signal if I put up a 30 or 40 foot tower that they could mount their

When all else failsAmateur Radio!



equipment on. Now, I'm not opposed to having a tower but it's just not in the cards right now. We think we have the communications problems solved but it's going to take a few more days to have everything back up and running.

Thanks to all of you that gave John, W8QN a hand with the Dow

MARC MEETINGS

Chris Rose, KB8UIH, 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 Chris at (989) 832-7179, or via e-mail: kb8uih@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>

AUTOPATCH

All Midland Club members have autopatch privileges. If you do not have the instructions, contact N8CGP for a copy. Please do not pass on your copy.

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 Michael, KB4EIZ, at kb4eiz@yahoo.com.

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 Lee, KC8ITI (kc8iti@arrl.net)

Walk/Run on June 5th. This is a big event for the club and it takes a lot of help to pull it off. I did get a chance to listen in as we were making a few necessary runs in the car that morning. It sounds like things went well and I'll be looking forward to the reports on the event at the next meeting.

By the time you get this newsletter, The Midland Amateur Radio Club Swap for 2010 will be history. I hope you found everything on your shopping list at the swap. Bring your ideas and suggestions for 2011 swap to the next club meeting.

2010 Field Day will be at Dow Diamond. We will be setting up in the loop between Dow Diamond and the river. I'm sure we will get together for breakfast on Saturday morning and start our set up around 10 A.M. Listen to the repeater Saturday morning June 26th for directions or give one of the Field Day committee members a call for information. We will break for dinner around 6 P.M. on Saturday. If you are going to join us for dinner bring a dish to pass, your own table service and a beverage of your choice. The club will fur-

nish a meat entrée.

We are set for Dow Diamond *Community Organization of the Night* on Wednesday July 21st. I'm still open to ideas on the best way to present our club at this event so let me know what you have in mind.

I'll keep this short for this month. I'll have lots to report on in the next newsletter. Without email I'm not sure how I'm going to get this stuff to the newsletter editor. I've been driving over to my daughter's place and checking both Linda's and my email so I may be able to send it from her place. I may have to drop it all on a memory stick and drive to Shepherd.

During all of our trials and tribulations with our move, our daughter-in-law blessed us with a new grandson, Austin Lee. Mom and baby are doing fine but I'm not so sure about dad. I've had one chance to visit our new addition and I thought I'd start him out right with a little Morse code. I can't understand why my son chased me out of the hospital room.

Best regards, Lee – KC8ITI

Amateur Radio is a Contact Sport!

MARC Minutes Linda Hodges, KC8MUD

- The meeting was called to order by Lee KC8ITI at 7:32 with 37 in attendance. A sign-in sheet was passed around and introductions were made. No minutes were approved at this time, postponed until the next meeting.

- Treasurer's report-John W8QN- Thank-you to all those who renewed your memberships.

- EC/RO Report-John W8QN- Rain caused a damper on last months exercise but thank-you to those who helped. We still learned a lot. There is a regular RACES meeting in July.

- Dow Walk/Run-John W8QN – Worker packages distributed and explanations made for June 5th event. See John after the meeting if you have any questions.

- Testing Session- Lee KC8ITI- A testing session is coming up June 12th in Bay City. Walk-ins are welcome.

- SWAP-Keith KB8SOE- Assignment

sign-up sheet passed around. Set-up starts at 4:00 P.M. on Friday, June 18th. **Many hands make light work.** Dorie N8WTQ is in charge of food. Dennis N8ERF is in charge of the VE Session. Linda KC8MUD, Trunk Sales. Vendors table's two-thirds full at this time. Debco and Dentronics will be here. See Keith if you still need a job.

- A motion on the floor made by Dorie to spend \$250.00 to buy food and pop for Swap. Seconded by Cindy KD8JQY. PASSED. Any leftovers will be transported to Field Day.

- Field Day- Jeff N8KS- Takes place at Dow Diamond On June 26th and 27th. Antenna placement, parking, generator, food, and the number of attendees were all discussed. We'll remain open to ideas and continue to be flexible in this endeavor and most of all we will have fun.

- PSA- Pat KC8RTW- Denny

WD8BPT, needs someone to go to the MCTV station and make a public Service announcement about Ham Radio. Dress well and be professional. The time is June 10th, 4 P.M. To 5 P.M. See Pat for more details.

- T-Shirt- Lee KC8ITI- Lee gave Dorie N8WTQ a cute T-shirt we found at the Dayton Swap.

- Community Organization of the Night- Lee KC8ITI – Wednesday July 21st is MARC night at the Loons Game. Our club will be featured during that night's game

- Changes- Pat KC8RTW- ARRL is changing the way they distribute pamphlets for club events. Discussion followed.

- Query? Ryan KC8PMX- How and

where can the Club Logo be used.

- Tower Party- Bill AB8JF- Bill needs 5 or 6 guys to help at his place on July 10th at 9:00 a.m.

- Free stuff in parking lot.

- NET Controls:

June 10th Lee KC8ITI

June 17th Keith KB8SOE

June 24th John KB8PGW

A motion was made by Larry N8CGP to adjourn the meeting.

Seconded by Bob W8LSS.

Meeting ended at 8:55 P.M.

Respectfully submitted
Linda KC8MUD
MARC Secretary

Upcoming Events

Jun 26/27	Field Day
Jul 21	MARC Night at Dow Diamond

Michigan Hamfests

Jun 19	Midland
Jun 20	Monroe
Aug 7	Escanaba
Aug 15	Lapeer
Aug 21	Owosso
Sep 11	Wyoming
Sep 19	Adrian
Oct 16	Holland
Oct 17	Kalamazoo
Dec 10	Mt. Clemens

* denotes tentative date based on 2009 event

My Two Cents

Pat Mullet, KC8RTW

Not too much happening on-air for me lately—far too much time spent trying to get the word out about both the Hamfest and this year's Field Day at Dow Diamond. In fact, as I write this, I've just sent off the last press release for Field Day.

It seems that the work has paid off, at least to some extent. I've noted a couple of articles in area newspapers mentioning the Hamfest, and numerous area radio stations have posted the information in the "Community Calendar" sections of their websites. Unfortunately, I haven't actually *heard* any mention on the area TV and radio stations about either event—if you have, please let me know.

Word has reached me that WEYI-TV25 is planning on having a crew at Dow Diamond for the Loons game Saturday night, and is planning to stop by and check out our event, so we may get some coverage there.

Last month I mentioned the trials I was going through with the \$5.00 computer I picked up. Though I haven't had a chance to implement it, I have thought of a way to work around the problems I've encountered so far. USB controller boards are cheap, especially on Ebay, and I recently picked up a USB format external sound card for less than \$5.00, so I may still be able to jerry-rig the box to run both my TNC for VHF digital and do sound-card modes on hf.

The ARRL has recently brought out a

new publication, *Storm Spotting and Amateur Radio*, which I purchased last month. I haven't had a chance to do more than skim through it, but it looks to be quite informative, though it seems that some of the material applies more to folk living in the Mid-West along Tornado Alley than to our situation locally, but it is a good source of information. One thing I found interesting was the description of the way one ham has combined *Google Earth* with the products available through the National Weather Service web pages to display real-time watches and warnings as well as area radar, both static frames and animated loops.

Lastly, I want to remind everyone that Dow Diamond and the Great Lakes Loons are continuing their "Community Organization fo the Night" promotion, sponsored by SVSU. During home games, various organizations throughout the area are honored over the public address system and their logos displayed on the scoreboard. The Midland Amateur Radio Club will be featured at the game on Wednesday, July 21st. We'll need a couple of volunteers to man the information table, who will get free admission for thier troubles. The rest of the Club is invited to make a night of it and join in the fun. If you've any questions, please email me at kc8rtw@arrl.net

Well, it's time to put this edition to bed, as I, like many of us, have a number

Area Nets

SVARA; Mn, 147.24 MHz, 2100 ET
Gladwin; Tu, 147.18 MHz, 2000 ET
BAARC; Tu, 145.31 MHz, 2100 ET
Edmore, Th, 146.8, 2000 ET
MARC; Th, 147.00 MHz, 2100 ET
District 3 ARPSC; Su, 145.31 MHz, 1800 ET
W Mi Trffc Net; MWF, 145.15 MHz, 0900 ET
TMMTN; Mon-Sat, 147.30 MHz, 2130 ET
MACS; Mon-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

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.

of things to do to prepare for both the Hamfest and for Field Day. With any

luck, both will turn out to be great successes. Hope to see you all there.

73, Pat, KC8RTW

ARES®/RACES

John Wolters, W8QN

With the busy month of June in progress, thankfully things have been quiet in the weather arena. The tri-county disaster exercise in May unfortunately did not fare so well. Because a thunder storm with lightning opened up over MBS airport at the start of the exercise, most of the planned activities concerning victims (high school kids) were canceled. Unfortunately that was not communicated widely resulting in a lot of

confusion. While I cannot speak for the professional folks, amateur radio was busy keeping up with the students as they were transported from the site to hospitals and back. In many cases we notified the EOC coordinators (i.e., Roger Garner and Saginaw) about their progress before the EOC staff knew. It was interesting.

My thanks to John McDonough WB8RCR, John Hutchinson NX8A, and

Dennis Klippa N8ERF, for their assistance and Chris Rose KB8UIH, and Del Lafavor WB8FYR, for standing by in case of need.

I hope to see you at the July meeting where we will discuss an exercise in Packet Radio to occur later in the month.

John Wolters – W8QN
EC/RO Midland County

Dow Run Wrap-up

John Wolters, W8QN

There were over 3,000 participants in this year's Dow Run activities. Thirty Amateur radio operators turned out to help with the race. I wish to thank the following people:

Kevin Barnum KB8QWQ, Roger Beau K8RRB, Mary Branson KB8QYB, Dennis Caney WD8BPT, Charles Cribble WA8LQD, Gloria Fath KC8IHB, Dorrie French N8WTQ, Bill French AB8JF, Roger Garner KB8VSS, Jim Hitchcock KC8TQU, John Hutchinson NX8A,

Keith Johnson KB8SOE, Del Lafavor WB8FYR, Ruth Lafavor WD8ODG, Ryan Lughermo KC8PMX, Larry Macklin N8CGP, Pam Macklin N8KRL, John McDonough WB8RCR, Jeff Mowery N8KS, Chris Rose KB8UIH, Stan Rowe K6VWE, Pat Russell KD8IVZ, Wendy Russell KD8IWB, and John Tallman KB8PGW.

From out of town, Dave N8ERL, Emmett, W8EAB, John KC8WZM, Ron KC8YVF, and Joe Tuschler N8OSL.

To my knowledge there were no injuries and Mary Branson rejoined a lost mom and her young son. (Way to go, Mary!)

If you have any comments to improve activities in the race please send them to me.

Again, thanks for your help.

John Wolters – W8QN
Dow Run Coordinator

MARC Night Scheduled at Dow Diamond

MARC members will remember last year's successful opportunity to do some public relations while enjoying a great baseball game as a part of the Great Lakes Loon's Community Organization of the Night promotion. Evidently, we made a favorable impression with the Loon's management, as we've been invited to participate in the promotion again this year, and the Club has decided to accept. MARC night has been sch-

euled for Wednesday, July 21st. During the game, we'll be able to set up and man a display table on the mezzanine, will have our logo shown on the scoreboard and have a short promotional spot read over both the PA system and on WLUN 100.9 FM, the Loon's ESPN affiliate, which will be covering the game.

As we did last year, we're planning on making this a Club outing and social event. Members and their guests will be

responsible for their own tickets, but we'll try to arrange to have first call on a block of seats so we can all sit together. As such, we'll need a head count of everyone who might be interested. A sign-up sheet will be passed around at the Club meetings, or you can email me at kc8rtw@arrl.net. We'd like to see as many members as possible attend and give the community a good impression of our group.

FCC Seeks Comments on Amateur 5 MHz (60 Meters) Allocation

(ARRLWeb, 06/15/2010) In May, the FCC released a *Notice of Proposed Rulemaking* (NPRM) -- ET Docket No 10-98 -- proposing to amend the Part 97 rules governing the Amateur Radio Ser-

vice. Specifically, the Commission looks to modify the rules pertaining to the use of five channels in the 5330.6-5406.4 kHz band (60 meters) to replace one designated channel with one that is less en-

cumbered, to authorize three additional emission designators and to increase the maximum authorized power in this band. On June 15, a summary of the *NPRM* was published in the *Federal Re-*

gister and the FCC is seeking comments on it. Comments must be filed on or before July 15, 2010 (30 days after publica-

tion in the Federal Register); reply comments must be filed on or before July 30, 2010 (45 days after publication in

the Federal Register). Instructions on how to file comments are listed beginning on page 6 of the *NPRM*.

ARRL Audio News Returns

(ARRL Letter, May 27, 2010) After a hiatus of nearly four months, the ARRL Audio News is scheduled to return on Thursday, May 27. With the

advent of the new ARRL Web site, we have had to make some changes in the way the Audio News is presented. For the time being, it will only be available

as one mp3 file. Beginning this week, you can find the ARRL Audio News at www.arrl.org/arrl-audio-news most Thursdays on the ARRL Web site.

Governor Recognizes Contributions of Amateur Radio Enthusiasts

(ARRL Michigan, 06/09/2010) Governor Jennifer Granholm has issued a proclamation recognizing the public service contributions of Michigan's Amateur Radio Operators, as they prepare for their annual emergency communications exercise.

Amateur Radio (or "ham radio") operators from throughout Michigan will be joining Hams across the nation, attempting to talk to people around the world using an amazing variety of differing methods. These range from the tried and true Morse code to voice and digital communications, even to using amateur satellites as they demonstrate their unique dedication to public service during Amateur Radio Week, June 20 - 27. Michigan's local ham radio clubs will be active in their communities to raise awareness about Amateur Radio in preparation for the week's culminating event, an annual emergency preparedness exercise called "Field Day." Field Day is a 24-hour marathon event where the object is to contact as many other sta-

tions as possible during the contest, which will occur over the weekend of June 26 and 27. Field Day is sponsored by the American Radio Relay League (ARRL), the national association for Amateur Radio.

Field Day is designed to test operators' abilities to set up and operate portable stations under emergency conditions such as the loss of commercial electricity and normal avenues of communication. Most participants will set up their Field Day stations in city parks, on village greens or even in shopping mall parking lots. The event is a serious test of skill, and a contest for fun, too. During the weekend, the radio operators try to contact as many other Field Day stations as possible, simulating the on-air skills needed to assist state, regional and local officials as well as agencies such as the Salvation Army and the American Red Cross during an emergency. More than 37,000 Amateur Radio operators across the country participated in last year's event, a far cry from the handful

of hams that participated in the first Field Day back in 1933.

The public is invited to stop by and watch the proceedings, ask questions and will often get a chance to join in, making a few contacts themselves under the watchful eye of a friendly ham operator. Anyone interested in visiting a Field Day site may locate the site nearest you by using the online locator on the ARRL website at <http://www.arrl.org/field-day-locator>.

With more than 650,000 Amateur Radio operators in the United States and more than 2.5 million worldwide, the Amateur Radio hobby is alive and well. And best of all, anyone can become a ham. Information on how to become involved in Amateur Radio is available from the American Radio Relay League, 225 Main Street, Newington, CT 06111 or by calling 1-800-32-NEW HAM. The URL for the ARRL's home page on the World Wide Web is www.arrl.org.

Tornado in Michigan Brings Communications Response

(ARES E-Letter, June 16, 2010) At approximately 2:13 AM on Sunday June 6, an F2 tornado formed about five miles west of Dundee, Michigan, and then traveled through the north part of the village (pop. 4000) and moved eastward over a total distance of ten miles. Fifteen homes were destroyed, one trapping a resident inside for several hours before rescue crews could reach her. More than 160 homes sustained extensive damage and 1717 received damage. A hotel was

also damaged. There were no major injuries, and no serious communications outages beyond the loss of local residential and business telephone lines which were knocked down by the storm.

Local members of the Monroe County Amateur Radio Public Service Corps assisted with shelter communications and served Red Cross and Salvation Army members as well as the regional Community Emergency Response Team (CERT). Many of the

local CERT members are also radio amateurs.

Two hundred hotel patrons were housed in the shelter set up at the Dundee Middle School, while several fire departments provided lighting and services. Sheltering began immediately after the storm subsided, and amateurs with hand-helds were on duty. The local UHF repeater K8RPT-R ran on battery power in excess of 24 hours until a portable generator returned power to the

tower site on Monday. As soon as the damaged hotel was deemed secure by the owners, patrons were bussed to the scene to pick up their belongings and make travel arrangements. Many had severely damaged or overturned vehicles as a result of the tornado's action and were

assisted by Red Cross officials.

Damage reports covered approximately 1300 homes and businesses. More than 200 utility poles were snapped off and required replacement. Local residents began cleanup and volunteers from a 50 mile

radius offered their services to assist. - Michigan Section Manager Dale Williams, WA8EFK [*Williams' home was 1000 feet from the path of the tornado - Ed.*]

Field Day Operating Tip

(ARRL Contest Update, May 26, 2010) **Hold Your Fire** - If you aren't blessed with an awesome and powerful signal, getting through the pileups quickly takes more than just blasting

away. Little Pistols can sometimes pick off their larger caliber competition by holding off a half-second or two before sending their call. While all the other 20-over-9 four-character calls mash them-

selves into AGC-bending mush, you wait, then slip your call out there in the clear when the Big Noise stops.

Boy Scouts Revive Four Merit Badges for 100th Anniversary

(ARRL Letter, June 10, 2010) In keeping with Boy Scouts of America's centennial theme -- Celebrating the Adventure, Continuing the Journey -- four retired badges have been brought back for the group's 100th anniversary. The effective date for earning these new merit badges -- Carpentry (1911-1952), Tracking (formerly Stalking, 1911-1952), Pathfinding (1911-1952) and Signaling (formerly Signaler, 1910-1992) -- is April 1, 2010; requirements must be completed no later than December 31, 2010. The contemporary merit badges closely

resemble the original designs of their counterparts, but with a gold border, immediately identifying it as a 2010 historic merit badge. These four historical merit badges may be used toward a Scout's rank advancement.

"The Signaling merit badge is a great way to encourage hams who are already involved in Scouting to mentor this limited-time badge in their Troop and perhaps in other ways, such as camps," said ARRL Rocky Mountain Division Director Brian Milesosky, N5ZGT; Milesosky is the chairman of

the ARRL's ad hoc Committee on Scouting. "Hams -- and especially clubs, that have more resources and volunteers -- who are not involved in Scouting at the present time but want to assist a Troop with earning the Signaling merit badge -- should contact their local BSA Council to inquire about Scoutmasters in their area to contact and offer their assistance." The requirements for the Signaling merit badge are the original requirements as written in 1911.

Technical Topics And Information

(ARRL Contest Update, June 9, 2010) While "tuning across the 'net" for some technical information, these two Belden documents caught my eye: one on coaxial cable applications <<http://www.belden.com/pdfs/Techprs/CoaxialCablesandApplications.pdf>> and a coaxial cable technical reference <http://www.belden.com/pdfs/03Belden_Master_Catalog/22Technical%20Information_Glossary/22Technical_Information.pdf>. Handy thing, this Internet - think it will catch on?

To make your own ladder line, you'll need "rungs" that can stay out in the weather for as long as it takes. Charles W2SH recommends the large, exterior cable staples found in your local home improvement emporium. "Among

their wire accessory supplies, you will find some gray plastic staples. Each one carries two 1-1/2-inch nails in to secure the staple to the outside of your house. The manufacturer is Gardner Bender Co." Remove the nails and enlarge the holes to pass #12 or #14 AWG copper wires, creating a feed line with 1-1/4-inch conductor spacing and an impedance of somewhat higher than 450 ohms.

For static dissipation in any antenna, placing a 1/4-wavelength shorted stub across the feed line provides a dc path to ground, assuming one side of the feed line is grounded. (Thanks, Dave WX7G)

For a computer's serial data port to drive relays, you need a small microprocessor to interpret the data stream, drivers for the relays, and the relays them-

selves. All this is available in the Velleman K8056 kit <<http://www.vellemanusa.com/us/enu/product/view/?id=500375>> that has eight relays and drivers on it. It interfaces to parallel, serial RS-232 or TTL-level signals, and there are other options. The kit has a very simple schematic and an open circuit board that lends itself to all sorts of modifications. (Thanks, Jim W6RMK)

Getting the solidified gunk off antennas that have been "out there" for a few years can be quite a chore. Steel wool pads are not recommended because of their tendency to leave iron whiskers embedded in the aluminum (and your hands), causing spot rust and binding problems in nested tubing. Dave

WA3GIN suggests a combination of NAPA engine parts cleaner and a 3M medium foam sanding pad. The result is sim-

ilar to wet sanding with an agent that dissolves or loosens the oxidized stuff so that the pad can break it loose and polish

the aluminum. This minimizes the required amount of elbow grease to facilitate the operation.

Antenna Party—Help Needed

Bill French, AB8JF

I will be having a tower and antenna raising party July 10, and I will need help with this project. I've rented a crane which will do all the heavy lifting, but I will need help with the guy cables and the guide ropes to insure the beam stays flat during the lift. I am working on get-

ting a climber to do the high work.

The crane will make two lifts, one to set the tower and one to lift the antenna.

I will need about 5 or 6 people to help, be sure to bring gloves; guy cable is hard on the hands.

Thanks,
Bill, AB8JF
Dorie, N8TWQ
989-835-5562
wm_here4u@yahoo.com

Swap 'n' Shop

For Sale: Excess toroid cores, Fair-Rite 2.4" OD type #31 mix @ \$5.90 each. Ideal for baluns 160 through 6 meters. You can build a good current balun for about the price of a cheap commercial one and get far better isolation. I purchased a 100 of the things and will only use about half.

Also, two MFJ 989C Versatuners—full legal limit—\$175 each. They are

going for a bit over \$200 each on eBay. Roger (K8RI)

For Sale: Three Force-12 antennas. C19-XR for 10, 15, and 20 meters; WARC-7 for 12, 17, and 30 meters; EF-240S for 40 meters. Together they've worked 310 DX entities. They will be coming off my tower soon, so a quick purchase could minimize the

disassembly. \$500 each or all three for \$1200. Contact Stan, K6VWE, 989-837-7252.

Wanted: I'm looking for the drop-in battery charger that was supplied with the old Radio Shack handheld model HTX-202. Email or phone W8WOJ

MARC Vital Statistics

Memberships Expiring in June 2010

N8CGP
N8KRL

NX8A
W8LSS

WD8AXR
WA8KJR

KA8HQW
WD8SDX

Memberships Expiring in July 2010

AB8TJ

N8FUZ

Memberships Expiring in August 2010

KB8QYB

KC0CJC

Current Active Club Membership 65

Birthdays Celebrated in June/July 2010

W8LSS 6/2
K8RI 6/16
KB8VSS 6/21
KD8HIH 6/23
KD8IWG 6/23

KB4EIZ 6/27
KC8URV 6/28
WD8ODG 6/30
KC8PMX 7/2
K8RRB 7/8

KA8ORL 7/11
K8SQB 7/17
WB8RCR 7/21

Anniversaries Celebrated in June/July 2010

N8CGP and N8KRL 6/05
W8SEX and Myrna 6/13
WA8LQD and Kathy 6/16

N8STF and Mary 6/16
W8LSS and WD8AXR 6/19
NX8A and Kristina 6/24

KB8PGV and Connie 6/27
KD8HID and ??? 6/28
AA8EJ and Beverly 6/28

K8SQB and Mary 07/16
KD8MQX and Emily 07/20

Information is from data received 5/7/2010

Any corrections or questions contact John, W8GN

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