



W8KEA



MARC

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

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	Jeff Mowery N8KS	(989) 488-4466
	Pat Mullet KC8RTW	(989) 828-6657
Swap Committee	Keith Johnson KB8SOE / Ch	(989) 488-4337
	Jeff Mowery N8KS	(989) 615-3715
	Pat Mullet KC8RTW	(989) 828-6657

LIFE MEMBERS

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

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 — **July Meeting Cancelled**

Next CLUB Meeting — Thursday July 7, 2011, 7:30 PM
Salvation Army Building, 330 Waldo St.
Talk-in 147.000+

July 2011

View from the Top of the Tower

Lee Hodges, KC8ITI

It is with sadness that I report that Michael, KB4EIZ has lost his battle with cancer. Michael was a friend and willing to help out with any of our club projects, usually on a moment's notice. Please keep Michael and Carol, KD8HIC in your thoughts and prayers.

Thanks to all of you that participated in the Dow Run on June 4th. Without your help we couldn't supply the level of support that is required to keep track of all of the participants and to keep them safe. This is a large event and I'm glad to see the number of hams that step up and help with our efforts. A special thanks to John, W8QN for spearheading the club's commitment to this community event.

We have completed the Extra class for this spring. If the sample tests are any indication then we can expect some new Extra class licensees after the next testing session at the Swap. My thanks to Bob, W8LSS and Pat, KD8IVZ for helping with this class. If

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



you have ever looked at the current Extra question pool you can see that there is a lot of concepts and information that have to be mastered to stand any chance of earning our highest license. All of our students have worked hard to get everything down pat so they can pass the exam. As instructors, all we can do is wait and

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@arrrl.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@arrrl.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@arrrl.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.arrrl.org/arrrlvec/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@arrrl.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 Keith, KB8SOE at keithhjo@gmail.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@arrrl.net) or Lee, KC8ITI (kc8iti@arrrl.net)

wonder if we have, in fact, covered all of the bases to prepare our charges for success. Good luck to all of the candidates attempting to earn or upgrade their license at the testing session. I'll let you know how things turn out in the next newsletter.

By the time you read this the 2011 Midland Amateur Radio Club Swap will be over but as I write this, it hasn't happened yet. According to Keith, KB8SOE table presales are down, which is not a good sign. We plan on having some good presentations. I'll have a full report in next month's newsletter.

Our Field Day event will be on June 25th and 26th. We'll be setting up in the grassy section of the parking lot at the Washington Mall, former site of the Farmer Jack's store, at the corner of Washington and Patrick. We have tables reserved for breakfast at Big Boy on Saturday morning at 8 AM, and then we will proceed to the Field Day site for setup. We will break at 6 PM on Saturday for dinner. Bring a dish to pass, your own table service and beverages of your choice. Dorie, N8WTQ will be cooking turkey for us again. If you haven't driven by the site for this year, be advised that there isn't a tree or antenna support in sight. Also this year we will be stressing self-reliance as part of Field Day. In years past I've tried to bring everything I thought I might need and everything I thought everyone else might need up to and including the kitchen sink. This year I plan on taking care of my own needs. The club generator will be on site and the two club barrels with antennas, power cords, power strips and etc. also will be there. As far as club radios go they are available but if you are going to use one of them you had better check with me as to what is actually available and what accessories go with which rig.

For those of you that would like to kick back after our busy June, the Michigan Summer Family Outing hosted

by ARRL Michigan Section is July 7, 8, 9 and 10 at Woodlands Campground near West Branch. For more information check out the Section Outing web site at <http://www.sectionouting.info>.

It may be a little early to start talking about our club elections in September but I wanted to put everyone on notice that I will not be seeking any elected or appointed office in the Midland Amateur Radio Club this year. I was first elected to the office president in September of 2000. I really think that 10+ years in the same club office is quite enough. It's time for new leadership with new ideas and a fresh approach to running the club. I still plan on being active in the club and all of its activities especially our educational programs. Club involvement is one of the reasons Linda and I decided to move to Midland after I retired but again, it's time for someone else to take the reins for awhile.

That's enough for this month. Linda and I did make it to our niece's wedding in Maryland. I think my brother was a little upset that we couldn't spend more time with them but we told them it would be a quick trip and it was. We left Thursday afternoon, stopped overnight and finished the trip on Friday morning. Coming back we left mid-morning Sunday and drove straight through getting back in Midland around 10:30 that night. In years past a 1200 mile round trip in that short a time would've been a breeze. In fact, I would've made the trip and still made it to work Monday morning, raring to go but not any more. Plus I'm retired and we should have been able to take our time and enjoy the sights along the way. After the hectic month the club has had, plan on enjoying the sights along the way yourself.

Best regards, Lee - KC8ITI

MARC Minutes Linda Hodges, KC8MUD

The meeting was called to order with 27 in attendance by Lee KC8ITI at 7:45 P.M.

A sign-in sheet was passed around and introductions were made.

Any corrections or additions to this newsletter should be brought to the atten-

tion of the secretary.

- Treasurer's report- John W8QN- Thank you to all who have renewed their memberships.

- EC/RO Report- John W8QN- Weather Net discussion and a reminder to put your personal safety first.

• Dow Run- John W8QN – This year the course is reversed. Event packets were passed out and instructions were given.

• Swap- Keith KB8SOE – June 18th at the Salvation Army Building. We still need some more vendors. There will be equipment from Michael KB4EIZ (SK). A press release has been sent out. VE session at 11.00 A.M. Dorie made a motion to spend \$250.00 for food for Swap day. Keith seconded. Passed. Leftovers will go to Field Day. Discussions included handicapped parking arrangements, vendors and VE sessions.

• Field Day- Pat KD8IVZ- June 25th. Will be held at the Washington Square Mall behind K-Mart. There is lots of parking. Breakfast at Big Boy at 8:00 A.M. Saturday Morning. Pat- KC8RTW has sent out a press release in regards to Field Day.

• Proclamation- Pat KC8RTW- Lee KC8ITI will pick up the City of Midland's

Proclamation declaring June 20th to June 26th Amateur Radio Week and June 25th Amateur Radio Day.

• Extra Class-Lee KC8ITI- Two more sessions left with 6 in the class.

• Hale - John WB8RCR- The Michigan Summer Outing hosted by AR-RL Michigan Section is on July 7th, 8th, 9th and 10th. At the Woodlands Camp-ground near West Branch. <http://www.sectionouting.info>

NET Controls

June 9th Jack NX8A

June 16th Keith KB8SOE

June 23rd Lee KC8ITI

June 30th Pat KC8RTW

• A motion to adjourn the meeting was made by Lee KC8ITI and seconded by Larry N8CGP. Passed. The meeting was adjourned at 8:50 P.M.

Respectfully submitted,

Linda KC8MUD

MARC Secretary

Upcoming Events

Jun 25/26 Field Day
Jul 7-10 Lupton

Michigan Hamfests

Aug 6, 2011 Escanaba
Aug 14, 2011 Lapeer
Aug 27, 2011 Owosso
Sept 10, 2011 Grand Rapids
Sept 18, 2011 Adrian
Oct 16, 2011 Kalamazoo
Oct 23, 2011 Sterling Hts.

* denotes tentative date based on 2010 event

Area Nets

SVARA; Mn, 147.24 MHz, 2100 ET
Gladwin; Tu, 147.18 MHz, 2000 ET
BAARC; 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 ARPSC; Su, 145.31 MHz, 1830 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.

My Two Cents

Pat Mullet, KC8RTW

It's been a busy month on the amateur radio front, but then again, it almost always is for the Midland ARC. Still, I'd thought that this year it would be a bit easier for me, since it had been decided months earlier that the site for Field Day wouldn't be announced until the morning of the event. No advanced knowledge of the site meant I couldn't do much in the way of promotion, so I thought I could just concentrate on the Swap.

Yeah, right.

Just before the last newsletter went to press, I got the word that the FD Chairman's decision had met with such a negative reaction that he decided to announce that we'd be working out of the parking lot of the former Farmer Jack store. That sent me scrambling as I was coming up on the deadline to get out press releases and the like, and I still had a flyer to design.

Then, of course, the first weekend of the month brought us the Dow Run, and John, W8QN asked me to serve as net control for the event. Despite the fact that I kept trying to identify myself by my call rather than the Club call, I thought it went rather well. We had minimal difficulties other than a runner that pulled up lame, one whose family missed connecting with him after his race, and of course, the inevitable cases of residents that just had to

drive down the roads that had been closed.

This last weekend brought us the Midland Hamfest. Many of us thought that the economy, the price of gas, and the shortage of vendors would all add up to a dismal weekend for us. The day proved to be sunny and fair, both the tables and the trunk sale area was full and traffic, while lighter, was steady. I spent some time drooling over a couple of nice HF base rigs that were just not in my budget this year, but I did pick up a tri-band 6m/2m/440MHz base antenna that will give me more gain than the dual band J-Pole I'm using now. Once I get that up and replace the 50 foot run of RG-58 I'm feeding it with a slightly shorter run of RG-8X, I shouldn't have any trouble working not only Midland, but both Saginaw and Bay City as well.

As I write this, Field Day is coming up at the end of the week, so I'm in the process of getting ready, checking out the equipment I'm bringing and generally preparing for the event. I still haven't had a chance to try PSK-31 yet, and I really want to add that tool to my bag of tricks for Field Day—I even went so far as to wire up a cable to run between my laptop's soundcard interface and the IC-7000 in the SATERN van. So, I thought I'd fire up my station Sunday and finally

give it a try. Unfortunately, my desktop wasn't getting any audio into it from the HF rig. I'd rearranged things earlier in the month to get a bit more *lebensraum* on my cramped operating desk, and I

think I managed to stretch a cable enough to disconnect it. Something else to add to my list of things to handle before Field Day, I guess.

Well, that's enough for this month.

Hope to hear you on the air, and I hope to see you at Field Day.

73, Pat KC8RTW

ARES®/RACES

John Wolters, W8QN

There will not be a JULY ARES / RACES meeting. See you in August.

At the June meeting the WX and Skywarn® activities were again discussed. The key points that came out are as follows.

1) Your Safety is #1.

This means that while Net Control may ask you to do or watch for something, if you believe it will put you in an unsafe position or location you are well within your rights to ignore the directions and get yourself into a safer location.

2) Key stations will not be directed by Net Control what to report to the

NWS.

A Key station is a liaison between the Skywarn® net and the NWS. This station notifies the NWS that a reportable activity has occurred. (See last month's newsletter for reportable activities) The Key station will be assigned by the Skywarn® Net Control.

3) We need help in identifying good locations to observe incoming weather. If you know of a location in the county that gives a good clear view of the surrounding area, please forward it on the Chris or me so we can build a database of good observation locations.

Chris Rose and I would like to thank

all those that chose to go mobile to track and report on the storm. If on the next storm you wish to join them please remember point 1 above. The person acting as net control often is watching radar and directing people to the most intense radar echo. While this may be the most intense part of the storm is also may not be because of where we are located in relation to the NWS radar stations. Again – take care of your safety first and worry about reporting the WX later.

John Wolters – W8QN

ARES EC / Races Radio Officer

MS Walk 2011 Wrap-Up

Chris Rose, KB8UIH

We had a great day and two major compliments from on-site staff and from the state MS office for our efforts. I wish to thank all who played a part in this effort. All of the positions I wanted to cover were covered and all worked well to pull this off. I am pleased at being able to provide MS with a quality effort for their event. If anyone involved wishes to

send comments or suggestions on how we could improve our work, please email me or see me at the next club meeting.

Participating operators include: Chris, KB8UIH; John, W8QN; Stan, K6VWE; Jeff, NK8S; Denny, WD8BPT; Lee, KC8ITI; Linda, KC8MUD; Larry, N8CGP; Pam, N8KRL; Dennis, N8ERF;

Jim, KD8HID; Emmett, W8EAB; John, KC8WZM; Ron, KC8YVF; Bob, N8ERL. The last four volunteers made the trek up from the SVARA group to assist.

73, Chris KB8UIH

Dow Run 2011 in the Books

John Wolters, W8QN

I wish to thank all of you that were able to help with the Dow Run on Saturday June 4th. There were approximately 3000 runners and things went very well. One runner reportedly pulled out due to injuries but no other problems were reported. Running the race in the opposite direction from prior years helped congestion greatly.

If you have any suggestions or observations that will make next year's run better please send them to me at w8qn@arrl.net.

The following people won door prizes for volunteering. I will pick them

up and get them to you when we meet again: Dennis Caney, Pam Macklin, Wendy Russell, John McDonough, and Dorie French.

Thanks to the following people (in call order) for their help: Bill French (AB8JF), Kevin Barnum (KB8QWQ), Ryan Lughermo (KB8RCR), Keith Johnson (KB8SOE), Chris Rose (KB8UIH), Roger Garner (KB8VSS), Gloria Fath (KC8IHB), Lee Hodges (KC8ITI), Linda Hodges (KC8MUD), Pat Mullet (KC8RTW), John Williams (KC8HID), Pat Russell (KD8IVZ), Wendy Russell (KD8IWB), Kevin Martin (KD8QAM),

Larry Macklin (N8CGP), Dennis Klippa (N8ERL), Pam Macklin (N8KRL), Jeff Mowery (N8KS), Jackie Klippa (N8NNA), Joe Tuscher (N8OSL), Dorie French (N8WTQ), John Hutchinson (NX8A), Robert Winchester (W8LSS), John McDonough (WB8RCR), Sharon Winchester (WD8AXR), Dennis Caney (WD8BPT).

John Wolters W8QN

Dow Run Communications Coordinator

Explore the World with Amateur Radio!

Hamfest 2011 Aftermath

Well, another successful Hamfest has come and gone. I'd like to thank the Salvation Army and Captain Matt O'Neil for the use of the facilities again this year and we couldn't bring it all together without the help of the Army's own Jim Carrier KD8HIH. And of course I'd like to thank all of the volunteers who make the Hamfest a success every year. To name all of the people who helped would take up much of the news letter, but please know that I thank each and every one of you for the help that you provided.

We continued to see a great turnout from vendors this year after a bit of a slow start to the reservations. A full swap floor and trunk sales area offered our attendees a great selection of equipment to choose from. Our presentations were well received and we kept Dennis N8ERF and Lee KC8ITI quite busy with their demonstrations. The report from the VE team shows that testing was as well attended as ever. It's great to see so many people working toward new licenses and upgrades.

While final numbers on attendance

and revenue will not be complete for some time, I can say that attendance was down a bit. Various factors contribute to attendance including the gas prices but it is always nice to see old friends who make the trip regardless.

While it may seem like now is the time to take a breath, preparations for next year's swap are just a few short months away. Thanks again to all who helped and I hope to see everyone again next year.

Keith

www.kb8soe.com

Hamfest Licensing Session Results

The VE session held at the Midland Hamfest on June 18th had an excellent turnout, with 17 candidates packing the small conference room at the Salvation Army building. While five of the applicants failed in their effort to upgrade, the remainder earned their technician or upgraded.

Raymond Clark, Robert Devantier, Kim Karkin and Katherine Remington

all earned their Technician license. Dan Bergman KD8LOH, John Hall KD8JQX, Brian Klienfeld KA8YXV, Robert Marolf KD8GOW and Robert Wright KC8IJN all upgraded to General Class. James Carrier KD8HIH, Gordon McCann WA8KJR and Duane Morris KD8AUY all upgraded to Extra Class. Congratulations, everyone.

The following amateurs served as

VEs for the session: Glenn Boggs AA8EJ, Lee Hodges KC8ITI, Del LaFavor WB8FYR, Dennis Klipa N8ERF, Larry Macklin N8CGP, Pat Mullet KC8RTW, David Paquette W8DW, Stan Rowe K6VWE, Pat Russell KD8IVZ and John Tallman KB8PGW. The Midland ARC wishes to thank them all for their help in making the testing session a success.

W8WOJ Work Party a Success!

I am so lucky to have good friends in the MARC. During late May, Patricia and I moved to East Point Condos. I am indebted to the following people who did all the hard work of moving my radio "stuff": John Hutcheson NX8A, Dennis

Klipa N8ERF, Lee Hodges KC8ITI, Bob Winchester W8LSS, Linda Hodges KC8MUD, John Tallman KB8PGW, and John Wolters W8QV. You were great.

And just yesterday, June 8, my buddies Louie AB8YO and Paul WD8CJN as-

sembled and erected my 18AVQ2 vertical. "Back on the air" is getting closer.

Many thanks de Don W8WOJ

Michael Vecchitto KB4EIZ SK

It is with great sadness that I must advise of the passing of Michael Vecchitto KB4EIZ Tuesday, May 31st after a battle with cancer. A memorial service was held on Sunday, June 12th at Faith Wesleyan Church, 654 S. Meridian Rd. Midland. Please keep Michael and his family

in your thoughts and prayers. He will be greatly missed.

Michael's estate is selling some of his radio equipment. Included are a Heathkit HW-101 with accessories, a Yaesu FT-890AT, a LDG Z-100 autotuner, and many other smaller pieces

of radio and test equipment. Questions can be directed to: kb8soe@arrl.net. Please see the full list at: <http://bit.ly/kb4eiz-forsale>

Keith Johnson, KB8SOE
www.kb8soe.com

Michigan Summer Outing

The theme this year is "Remembering the 60s" with prizes for the best-dressed 60's style attendees, the best decorated campsite and the best decorated

vehicle! This annual event will take place July 7, 8, 9 and 10 at Woodlands Campground near West Branch. Even if you can't make all four days, plan to be

Dale Williams, WA8EFK

there Saturday for the major events.

This is a 4-day fun-filled event hosted by your ARRL Michigan Section Staff and paid for totally from donations,

involving fun events for the whole family! This is a great time to meet and greet the Michigan ARRL Section Staff Members and your fellow hams. Camping, RVing, Canoeing, Horseshoes, Water Slide, Rock Climbing Wall, Hiking, Volleyball, Softball, Boating, Swimming facilities are available all day every day of

the outing for your pleasure Hayrides around the 420 beautiful acres will be arranged and announced.

There will be games, campfires, and sing-a-longs for all to enjoy. And of course, there will be ARPSC training and other informative seminars available on both Friday and Saturday for any

who wish to participate.

Check the web page for the latest updates: <http://www.arrl.org>. Details, travel information, motel and travel directions are posted on the web page. Plan early, bring the family.

New Online Introductory Emergency Communications Class Now Available

(ARRL Letter, June 16, 2011) Registration is now open for the new online *Introduction to Emergency Communications* course (EC-001). Course information, including a description, pre-requisites and instructions on how to register are available on the ARRL website. Slots are still available for the section which begins Friday, July 29; the registration deadline is Sunday, July 17. ARRL Education Services Manager Debra Johnson, K1DMJ, explained that

she is also looking for qualified volunteers to provide support as Mentors for the course, as well as Field Instructors who want to lead classroom sessions to instruct the course material.

The new *Introduction to Emergency Communications* course includes updated content from the previous Basic Emergency Communications Level 1 course, as well as some content previously included in the former Level 2 course. The EmComm training program

has been restructured to offer two courses: This enhanced basic course for EmComm volunteers who want to serve as part of an ARES® response team and the management course -- Public Service and Emergency Communication Management for Radio Amateurs (EC-016) -- for those who are serving in ARES® leadership and management roles. Read more at <http://www.arrl.org/news/new-online-introductory-emergency-communications-course-now-available>

Logbook of The World Now on Facebook

(ARRL Letter, June 16, 2011) Last week, the ARRL added a Logbook of The World page to social networking site Facebook <<http://www.facebook.com/LogbookOfTheWorld>>. With almost 300

fans, the page is growing every day. The LoTW page on Facebook offers the latest LoTW news, as well as comments from users. Have you checked out the ARRL Facebook page lately? < <http://www.facebook.com/ARRL.org> >

With almost 18,000 fans, it's the most popular Amateur Radio page on Facebook!

Technical Topics and Information Ward Silver, NØAX

(ARRL Contest Update, June 8, 2011) A great article on fitting PL-259 connectors to 1/2" hardline using brass compression fittings includes photos by Henry K4YCR in the June 2011 issue of the Potomac Valley Radio Club's PVRC Newsletter. < <http://pvrc.org/Newsletters/jun11.pdf> >

Weatherizing a battery for portable operation is covered in this online article by Peter W1PNS. < <http://w1pns.wordpress.com/2011/05/11/weatherizing-sort-of-a-battery-for-portable-qrp-ops/> > There's more to it than meets the eye.

For re-sealing a fiberglass tube such as for a collinear or whip, conversations from the ham-antennas reflector point to a coating of clear polyurethane varnish rated for exterior use. It's available from your local hardware or paint store in both spray and brush-on form.

Need a table of aluminum tubing sizes? The RF Café has lots of resources just like that.

Soldering to steel, or nickel or stainless steel is not that difficult if you use the right materials as shown in this video by Sigi DG9BFC < http://www.youtube.com/watch?v=NpT_5tN1zYA >.

Scott N7SS recommends Maguire's Mirror Glaze Plastic Polish #10 for getting rid of scratches and scuffs in plastic bezels and displays.

Chuck K7QO has a great web page tutorial < <http://www.k7qo.net/> > on making project enclosures from PCB material. Just right for gadgets and adaptors and those little bitty things our stations seem so full of. (Thanks, Allen VE3GAM)

Plastic rivets - who knew? (Thanks, George K4GVT) < <http://www.itw-fastex.com/rivets.html> >

software tools you can use to track and diagnose problems.

If you need to fill in gaps in concrete, the usual material is called grout. Outdoors, such as for tower bases, you'll need non-shrinking grout. Hard to find at general hardware stores (don't use the type intended for bathrooms) you might have better luck at a masonry supply house. (Thanks, Steve K7LXC)

Jim K9YC has published a new set of slides from his presentations on how to deal with RFI < <http://www.audiosystemsgroup.com/publish.htm> >. There's lots of information here as well as his tutorials on ferrites.

While web-crawling in search of information on loopstick antennas, this little bon mot caught my eye - "In a triode, no one can hear you screen."

Wanted - MARC Newsletters

Looking for any newsletters prior to January 1984 as well as the following:

February 1984
March 1984
May 1984

June 1984
July 1984
August 1984
September 1984
August 1985

September 1985
January 1986
If you happen to have any of these newsletters contact Dennis - N8ERF or Lee - KC8ITI

Swap 'n' Shop

Wanted: Someone to do simple machining of Teflon rod, i.e. turn down, cutoff & centerboring. Contact Pat, KC8RTW 2kc8rtw@arrl.net

For Sale: New heavy climbing belt-\$125. New Radio work bag, Antenna Analyzer & much more-\$400.00. Contact Diana, W8CVZ.

For Sale: Yaesu FT897D. \$700.

Wanted to Buy: Power tubes such as but not limited to 4CX series, 3CX400 and larger. 4-250 and larger, 3-

500 and larger. Sockets for same and particularly for 4CX1500B and 4CX3000A7. Old Repeater amp that used a Push pull pair of tubes. I could use some 7/8" to 1.5" Heliac with connectors, but need a minimum of 200' for each run. Looking for HV power transformers in the range of 2400, 2600, 2800, and 3000 VAC, 2KVA and up as well as 800VAC to 1 KV AC for screen supplies. 6V@10A (4CX1500B), 9V @ 8.5-9A (FU728F), 9.0V @ 41.5A (4CX3000A7), and 10V@10A, filament transformers. High power tuning caps in-

cluding vac variables.

Contact Roger, K8RI (K8RI@roger-halstead.com)

Wanted to Buy: I am looking to buy some equipment in good working order. If you have any of these items you would like to sell at a bargain price, please contact me. OK, a reasonable price. Oscilloscope – at least 30 MHz; VTVM; Audio Frequency Generator; RF Frequency Generator; Spectrum Analyzer.

Dennis, N8ERF 989-636-7704

MARC Vital Statistics

Memberships Expiring in June

K8BHU
N8CGP
N8KRL

NX8A
W8LSS
WD8AXR

KA8HQW
WD8SDX

Memberships Expiring in July

AB8TJ

Memberships Expiring in August

KB8QYB
KC0CJC

N8FUZ
W8CVZ

Current Active Club Membership 57

Birthdays Celebrated in June/July

W8LSS 6/2
K8RI 6/16
KB8VSS 6/21
KD8IWG 6/23
K8HP 6/24

N8POX 6/25
KC8URV 6/28
WD8ODG 6/30
KB8RCR 7/2
KG8YG 7/6

K8RRB 7/8
KA8ORL 7/11
K8SQB 7/17
KD8DWX 7/21
WB8RCR 7/21

N8LMS 7/27
W8OKN 7/30

Anniversaries Celebrated in June/July

N8CGP and N8KRL 6/5
N8KFE and Cheryl 06/12
KB8VSU and Barbara 06/13
W8SEX and Myrna 6/13
WA8LQD and Kathy 6/16

N8STF and Mary 6/16
N8POX and Kris 06/17
W8LSS and WD8AXR 6/19
N8UPP and KC8AVI 06/21
NX8A and Kristina 6/24

KB8PGV and Connie 6/27
K8CCE and Clarice 06/28
KD8HID and ??? 6/28
AA8EJ and Beverly 6/28
K8SQB and Mary 7/16

KC8RTU and Brenda 07/20
W8AWS and Delores 07/20
KD8MQX and Emily 7/20

Information is from data received 6/14/2011

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