



W8KEA

MARC



MIDLAND AMATEUR RADIO CLUB
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www.w8kea.org

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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 — **Cancelled**

Next CLUB Meeting — Thursday April 7, 2011

Law Enforcement Center 2727 Rodd St. 7:30 PM

Talk-in 147.000+

April 2011

View from the Top of the Tower

Lee Hodges, KC8ITI

As I write this newsletter article, the news broadcasts are reporting on the 8.9 earthquake and tsunami that struck Japan. Our thoughts and prayers go with the people of Japan and others in the pacific area that are effected by this disaster. It's too early to know what role amateur radio will play in all of this but please pay attention to all of the amateur radio information sources and bulletins that will be forthcoming. As soon as any working frequencies are announced please follow instructions and monitor them as requested. It is our time to help if we can. It's also time to think about what disasters can befall us and prepare for them.

NOTE—the April club meeting will be at the Law Enforcement Center on Rodd St. This will be our annual Skywarn® training by the National Weather Service. The training session will start at 7 PM with an abbreviated club meeting to follow the training session. We will return to the Salvation Army building for our regular May meeting.

Thanks to Steve, WA8Y for his presentation on a portable 2-meter beam antenna composed of elements made from a cheap

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



tape measure. Great idea and I'm sure it got a lot of us thinking. It looks like it would be a great antenna for fox hunting. Maybe when the weather breaks we can put together a good old-fashion direction finding foxhunt. Let me know what you think.

Since I reported last time on our General class, we've had 2 more stu-

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 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@arrrl.net) or Lee, KC8ITI (kc8iti@arrrl.net)

dents join us for a total of 6 in the class. As I write this, we are about halfway through our scheduled sessions. I'd like to thank Bob, W8LSS, Denny, WD8BPT and Pat, KD8IVZ for helping out with the class this time. I'll bring you up to date on our student's successes at the testing session next time.

Dennis, N8ERF has scheduled a VE testing session at the conclusion of our General class. The testing session will be on April 9th at the Salvation Army building. We are starting at 9 AM. There will be other activities in the building on that day (a rummage sale in the gym) so we will be using the loft room upstairs (from the main entrance take the first stairs on the left or ride the elevator to the second floor.) We will try to have signs and/or someone to help direct you to the right place.

If you are interested in the Extra licensing class scheduled to start April 18th, let me know so I can add your name to the class roster. Also, if you need a book for this class let me know so I can make sure to have enough books on hand. The class will be on Mondays/Wednesdays starting at 7 PM and finishing up around 9 PM or so. I expect the class to run 7 weeks (14 classes) and finish up in time for the testing session at the swap.

There was a lot of discussion about the swap at the last meeting. Of course, part of the conversation had to deal with the escalating cost of gas and how it will affect swap attendance. I don't know about you but I plan on having a good time no matter what. We also discussed what type of presentations we should put together for the swap. A lot of ideas were kicked around and if you have some input get your ideas to the swap committee. We have swap flyers available so if you are traveling around to any ham swaps or events take a few along with you to pass out. In most cases, we've found that word

of mouth is our best advertising.

Field Day Chairman Pat, KD8IVZ has his committee in place and they are working hard on the details for this year's Field Day activities. They started by polling club members as to what those members thought the most important aspects of Field Day were. There were a few surprises along the way in that a majority of those polled felt that the social aspects of Field Day should head the list. Of course, many other Field Day activities were listed and the committee is busy assigning priorities to those activities. Next on their list is site selection which should lead to some interesting committee meetings. I'm sure the committee is open to any ideas you may have so give Pat a call.

With spring just around the corner, our club will be active with a lot of events. The event coordinators have asked for our support to make their endeavors a success. If you can find the time consider lending your support to these worthwhile causes. Your time and radio skills will be greatly appreciated. Are you new to the hobby? Please go ahead and volunteer. Our club coordinators will station you with someone that has had some experience with these events so you can "learn the ropes".

I'll go ahead and wrap it up for this month. I've been able to spend some time at the workbench this last month. I can't say that everything is going smoothly but I think I'm getting some things done. Of course, with teaching classes I've been setting up a lot of experiments to prove one facet or another of class material so I know what I'm teaching is right and it really does work the way I'm explaining it. They say if you really want to understand a subject, endeavor to teach it to someone else. And boy, am I getting an understanding.

Best regards, Lee - KC8ITI

MARC Minutes Linda Hodges, KC8MUD

The meeting was called to order by Lee KC8ITI at 7:35 A.M. with 14 in attendance. A sign-in sheet was passed around and introductions were made. Please give any corrections or additions to the minutes to the secretary.

• Treasurer's Report- John W8QN- A

discussion about the use and cost of the telephone system.

• EC/RO Report- John W8QN- Discussions and report included an upcoming multi-state event which needs operators to help with and about what training is needed. Other upcoming events are the

MS Walk in Frankenmuth on May 14th, March of Dimes Walk in Midland on May 14th, MS Walk in Midland on April 30th and the Dow Run in Midland on June 4th. Help is needed for most of these events. Please contact John W8QN or Chris KB8UIH.

- Swap- Keith KB8SOE- Will be held on Saturday, June 18th at the Salvation Army Building. A list of possible seminars included Search and Rescue, Canine 1 and a gigantic magnet demo. Be sure and remind all of your electronic minded friends and acquaintances of the date, place and time.

- Field Day -Pat KD8IVZ- As chairman of this event Pat laid out some guidelines to follow. The social aspect of the event, the emergency preparedness training and the public awareness issues were all discussed. The date is scheduled for June 25th and 26th and a location is yet to be determined.

- General Class- Lee KC8ITI- Lee KC8ITI- the class is half over with six students attending. The VE session is April 9th at 9:00 A.M. upstairs at the Salvation Army Building. The Extra Class starts April 18th and is held on Monday and Wednesday for 7 weeks.

- Bill- Bob W8LSS- Bob reported on a bill that is working its way through Congress that pertains to Amateur Radio.

- Motion- A motion on the floor to donate \$25.00 in memory of a silent key was withdrawn after further discussion.

- NET CONTROL:

Mar 10th Wendy KD8IWB

Mar 17th John W8QN

Mar 24th Lee KC8ITI

Mar 31st Keith KB8SOE

- Contest-John W8RCR- John would like to organize a group to participate in the Michigan QSO party competition in early April. Several Hams have already shown interest. Talk to John for more information.

- Search and Rescue-Keith KB8SOE- Midland County is holding a SAR Operations and Awareness Class on April 15th, 16th, and 17th. See Keith for more details.

- Steve's presentation demonstrated how to build a 3 element yagi antenna from a dollar store measuring tape. It was really neat to see. Thanks Steve.

Respectfully submitted,

KC8MUD Linda

MARC Secretary

My Two Cents

Pat Mullet, KC8RTW

It never seems to fail; whenever we experience seasonal weather changes, I catch a cold or some such. This spring is no different—the weather warmed up and I start coughing and hacking. So much for any plans I had.

I had hoped by now to have everything set up to work some of the digital modes on hf, but on top of being under the weather, I managed to misplace one of the cables I needed. Maybe it was a good thing I couldn't get out and about, as it gave me a chance to find the feshlugginer cable. Now I can get things hooked up and start exploring.

I'd also hoped to play in the ARRL DX contest last week, but considering I could hardly talk, that kinda went by the wayside, as well.

Last month on the Thursday night net, I asked if anyone had any operating software they used—software other than logging software and the software that enabled operation of the digital modes. I discussed *DX Atlas*, by Alex Shovkoplyas,

VE3NEA. I'd originally bought the program to allow me to electronically map out my QSOs, but after experimenting with it, I found that, as with other programs, it would display the grey line. However, *DX Atlas* goes beyond showing it on a standard rectangular map, it will also display it on a globe or in an azimuthal plot centered on your home QTH. If you input the proper space weather values, you can generate propagation maps and Maximum Usable Frequency plots.

Nice as that is, if you add another pair of Alex's programs, *Ionoprobe* and the freeware *HAMCAP* and couple them with the free *VOACAP*, you can automate the process, letting *DX Atlas* draw propagation maps on demand.

I'm still messing around with the program, trying to figure out just what it will do, but if I can just stop coughing, maybe I'll actually get a chance to use it to make some DX contacts on hf.

One last thought, Field Day is only a few months away, and the ARRL has

Upcoming Events

Apr 7	Skywarn Training
Apr 30	MS Walk
May 20/22	Dayton Hamvention
Jun 4	Dow Run
Jun 25/26	Field Day
Jul 7-10	Lupton

Michigan Hamfests

Apr 2, 2011	Lowell
Apr 16, 2011	Milford
May 7, 2011	Cadillac
Jun 4, 2011	Hudsonville
Jun 5, 2011	Chelsea
Jun 11, 2011	Newberry
Jun 18, 2011	Midland
Jun 19, 2011	Monroe
Aug 6, 2011	Escanaba
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, 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.

Field Day merchandise listed for sale on the website. It's scheduled to ship April

1st, so if you want some gear, you may want to check it out.

73, Pat KC8RTW

ARES®/RACES

John Wolters, W8QN

The April 7th ARES®/RACES meeting is cancelled. It will be replaced by a Skywarn® training session given by the NWS at the Law Enforcement Center, Thursday, April 7th at 7:00 pm. All are welcome, you do not have to be an Amateur Radio Operator, no pre-registration is required, and there is no cost.

Severe Weather Awareness week is March 27th to April 2nd. The NWS Detroit/Pontiac office will conduct a NWS spotter activation test during the weekly routine test of the NOAA radio system. This will occur at 1 pm on Wednesday March 30th.

Contest Activities

The Michigan QSO party occurs on April 16th from noon to midnight. I will be attempting to put together a serious contest group for this activity. If you are interested in working this radio contest with the group please contact me.

Dow Run

The Midland Dow Run will occur on the first Saturday in June. (June 4th).

As with previous years, the Midland Amateur Radio Club will be providing communications across the entire race course.

It takes a minimum of 25 amateurs to cover the required areas and I could use at least 50.

The only requirements are that you be a licensed Amateur Radio operator and have either a 2 meter hand-held or mobile radio. A hand-held is preferred. No prior experience is required or expected.

Time commitment is 7 am to noon. Your reward for helping is a neat T-shirt and other goodies.

Contact John Wolters w8qn@ar-rl.net, 989-832-9122 or at the club meetings.

Coming Public Service Events

April

10 - Saginaw: Covenant Hospital ½ Marathon April 10 6:30 AM to Noon. 12 to 15 operators being requested at this time. Contact Ron Huss at: kc8yvf@rhuss.cncfamily.com

30 - Midland, MS Walk, Central

Middle School, 8:30 to Noon. Contact Chris Rose

30 - March of Dimes walk. Lapeer May

14 - Frankenmuth MS Walk May 14 8:00 AM to Noon. Contact Emmett Bengry at: w8eab@arrl.net

15 - Swan Valley High, Run for Windy (Swan Valley High School) May 15 9:00 AP to Noon. Contact Dave Schneider at: n8erl@arrl.net

June

4 - Midland, Dow Run, 7 am to Noon. Contact John Wolters w8qn@ar-rl.net 989-832-9122

19 - Big Fish Triathlon, Otronville July

17 - Tri for Life Triathlon, Otter Lake

August

6 - Imlay City Blueberry Run

27 - Flint, Crim Race. Aug. 27 (Flint) 5:30 AM. Any and all operator's that volunteers will be worked. At this time contact Joe Tuscher at jt14888@aol.com.

National Weather Service to Conduct Severe Storm Safety Class

The National Weather Service will be conducting Storm Spotter Training April 7th, at 7:00pm at the Midland Law Enforcement Center, 2727 Rodd St. Conducted by NWS Warning Coordination Meteorologist Rich Pollman, there will

be no charge for the class which will run approximately two hours, and is jointly sponsored by the Midland County department of Emergency Services and the Midland Amateur Radio Club. These classes are meant to train Skywarn® volunteers

for Midland County and the surrounding area. The class is open to anyone and those who do attend are not committed to become Skywarn® volunteers.

For more information, contact John Wolters, W8QN at 832-9122.

MS Walk Volunteers Needed

We need volunteers to provide communications support for the annual Midland MS Walk. The walk will occur Saturday April 30, and originate from the Central Middle School, 305 East Rear-don. Registration runs from 9:00 a.m. though 10:30 a.m. with Opening Ceremonies at 9:45 a.m. The official Walk start time is 10:00 a.m. Around fifteen volunteers are needed to cover the three-

mile course—operators need to be in place by 8:30 AM.

Last year Walk MS-Midland welcomed more than 400 walkers and volunteers while raising over \$59,500!

Plans are underway to make this year's event a great day of fun and festivities in support of those living with multiple sclerosis, their families, and caregivers.

A light breakfast and snacks will be provided. You are welcome to bring drinks, snacks, or lunch for yourself.

The MS Walk is a low impact event, giving hams interested in public service a chance to get their toes wet in an emergency services-type environment. For more information, please contact me.

73, Chris KB8UIH

Japan Asks Radio Amateurs to Keep Frequencies Clear as Country Goes into Recovery Mode After Devastating Earthquake

ARRLWeb—03/14/2011) After the 8.9 earthquake that struck near Sendai, Japan at 2:46 JST (0546 UTC) on Friday, March 11, the island nation is trying to recover. Soon after the earthquake—which the US Geological Survey (USGS) is calling the largest to hit the island nation in 140 years—Japan has been rocked by tsunamis and power outages caused by trouble at a nuclear power station. Reports from Japan tell of phone and Internet service still up in most parts of the country. Even so, the Japan Amateur Radio League (JARL)—that country's IARU Member-Society—has asked that 7.030 MHz be kept clear for emergency use. Other reports are asking that these additional frequencies be kept clear: 3.525, 7.030, 14.100, 21.200 and 28.200 MHz.

IARU Region 3 Secretary Ken Yamamoto, JA1CJP, said that at the request of Central Emergency Communication Committee, JARL is operating JA1RL—its HQ station in Tokyo—and regional HQ stations. He said that JA1RL is using 7 MHz SSB, 144 MHz SSB/FM and 430 MHz SSB/FM: “Many other radio amateurs are thanked for providing information and exchanging support to the rescue and disaster relief operations. Those who can operate in the affected areas are providing a lifeline for rescue teams and those at local shelters. Some stations are operating with car batteries and others with engine generators.”

Yamamoto said that Toru Tanaka, JR3QH—the JARL Branch Manager in Osaka—is monitoring 7.043 MHz, gathering incident information on the radio and forwarding this information via the Internet.

On its website, JARL advised radio amateurs in Japan that they may be called upon to be offered or used as a means of contacting emergency response headquarters and a nearby shelter. JARL also advised that depending on the operational status of the shelter and the emergency response headquarters, there might not be any electricity. JARL said that radio amateurs should volunteer to assist when and where needed “in good faith.”

The Hindu Business Line, a newspaper in India, reported that hams in India are contacting hams in Japan to get information concerning their loved ones. When a father in India could not get in touch with his daughter in Japan after the quake, he turned to a friend who was a radio amateur. In turn, the Indian amateur posted a message on an e-mail reflector where another ham relayed the message to a radio amateur in Japan. Through this method, the father learned that his daughter was safe.

In earthquake- and tsunami-hit Japan, ham radio operators and social networking sites have helped link families to loved ones in Japan. But according to the newspaper, connecting to Japanese ham radio operators is not easy. Sometimes messages are relayed from India to Thailand-based operators who, in turn, relay the messages to Japan. “Since most Indian operators do not know Japanese, communication is difficult and the airwaves are scanned for English-speaking Japanese operators,” the newspaper reported. “Nevertheless, Japanese ham radio operators are using their radio network and the Internet to relay messages.”

Japan has 1.3 million hams and according to Yamamoto, is not in need of external emergency communication help, although this has been kindly offered. “Basically the efforts being made are purely voluntary,” he said. “No organized emergency communications have been arranged.”

Yamamoto said that along with the after-effects of the earthquake and tsunami, “another problem is the nuclear power plant where the water supply system failure caused overheating of the nuclear fuel bar. That caused some radioactive gas release from the plant and people have been evacuated from the surrounding area.”

Yamamoto said that as of 10 AM (JST) on Monday, March 14, police in Japan have stated that the death toll has risen to 1627, with 1720 people still missing. “It is only the official count and the number is still expected to increase,” he said. “Thousands of bodies are repor-

ted to have been found on the coast of the tsunami-suffered area.” IARU Region 3 Disaster Communications Committee Chairman Jim Linton, VK3PC, said that a source in the Miyagi prefecture reported that the death toll will be in the order of tens of thousands in that prefecture alone.

The earthquake also damaged electric power generation plants fuelled by oil or natural gas, resulting in a shortage of electricity. Linton said that Tokyo Electric Power Company plans to stop supplying power to certain parts of its service area on rotation basis to cut power consumption. This shortage of power may also stop or restrict the operation of the train systems around Tokyo.

Amateur Radio Response in the US

Tsunami waves reached Santa Cruz, California—about 100 miles south of San Francisco—around 8 AM (PST) on March 11. Early that morning, the Santa Cruz County ARES® Team activated the Santa Cruz County Tsunami Resource Net in advance of the anticipated 5-7 foot wave.

According to Santa Cruz County ARES® Public Information Officer Bill Conklin, AF6OH, more than 30 local ARES® members staffed various served agencies, including the Santa Cruz County Emergency Operations Center, the American Red Cross, Salvation Army Canteen Truck One, the Santa Cruz County Harbor Coast Guard Auxiliary and a number of local fire departments. In addition to the served agencies, a number of hams provided remote observation of the coast line and communications capabilities at the evacuation centers.

The tsunami waves impacted the coast and did an estimated \$15 million of damage to the Santa Cruz Harbor. More than 100 boats—including fishing vessels, pleasure boats and yachts—were either damaged or sunk as a result of the waves.

Conklin told the ARRL that Santa Cruz was not alone in receiving significant

ant damage as a result of the powerful waves. "Crescent City, located approximately 500 miles north of Santa Cruz, also received heavy damage, causing Governor Brown to declare these areas disaster zones. One person died as a result of being swept out to sea with the high waves."

In Northern Nevada, hams spent the weekend preparing to handle health and

welfare messages in and out of Japan. In a joint exercise, Storey County and Washoe County ARES® members spent two days establishing communications protocol on HF, VHF and on Internet-based voice and data communications systems. According to ARRL Storey County Emergency Coordinator Tom Taormina, K5SRC, this was the first time that many of the ARES® members used

HF communications to operate in a joint exercise with neighboring counties and foreign countries.

Taormina said that more than a dozen Japanese hams were contacted, all of whom were outside the earthquake area. "We are now on standby, awaiting permission of the Japanese government to begin formal third party communications relays," he said.

NPSTC Says HR 607 "Needs to Be Amended"

(ARRLWeb—03/10/2011) The National Public Safety Telecommunications Council (NPSTC) — a federation of more than a dozen public safety communications organizations—has gone on record as sharing the ARRL's concerns regarding HR 607, the Broadband for First Responders' Act of 2011. The ARRL is actively opposing the legislation in its current form because Section 207(d) of the bill—introduced in the US House of Representatives by Representative Peter King (R-NY-3) — calls for the reallocation of 420-440 MHz for commercial auction. The ARRL, which is a member of the NPSTC Governing

Board, has assured NPSTC members that its opposition is limited to Section 207(d) and that it supports the underlying objective of the legislation, which is to provide spectrum near 700 MHz for a nationwide interoperable public safety broadband network.

Writing to ARRL President Kay Craigie, N3KN, and ARRL Executive Vice President David Sumner, K1ZZ, on March 8, NPSTC Chair Ralph Haller said: "We want to let you know that NPSTC's Governing Board understands your serious concerns about Section 207 of this Act, and we share those concerns." While reiterating NPSTC's sup-

port for the remainder of the Act, Haller said: "NPSTC is very concerned about Section 207(d) of the Act and believes that the section needs to be amended to address the concerns of public safety and the Amateur Radio users." See a copy of the letter below.

Commenting on Haller's letter, Sumner said that "it is gratifying to have the support of the NPSTC Governing Board in our effort to remove this provision from Rep King's bill. Once our concerns have been satisfied, we hope Congress will proceed quickly to complete work on providing our First Responders with this important facility."

Transmitting the ICS-213 Form

(ARES E-Letter —Feb16, 2011) I noted some discussion in the December ARES® E-Letter regarding the issue of transmitting the ICS-213 form. Here's how I explain it to radio amateurs:

When you ship a package via UPS, FedEx, etc. you've addressed the package. The shippers will place some additional labeling information on your package, however; such things as tracking numbers, routing codes, etc. This is for their audit trail.

The same is true for the 213 form if it must go via relay. If you're sending it directly to the site where it will be received and handled, by all means, send

the 213 form raw. But, if your station isn't Winlink equipped, an attachment isn't an option.

If it must be handled via a relay, and that's *any* intermediate step between you and the receiving location by all means append that radiogram header information, i.e. number, precedence, handling instructions, call sign of originator, group count, place of origin, time and date filed. For best results, and to alleviate confusion, use local time and date. But, if you use UTC make sure the UTC date corresponds with UTC time.

The radiogram information allows those intermediate stations to provide

proper tracking control. The 213 in its raw form is an interoffice speed memo, and does not contain information to enable proper tracking through a system of relays. If you ask me to relay that information, or any information via manual modes, i.e. voice or cw, then to adequately provide the accountability you *must* have that seemingly irrelevant radiogram information gives me, and you, the tools we must have. -- Richard Webb, NF5B, Chair, ARRL NTS Central Area Staff.

ARRL Field Day
JUNE 25 & 26, 2011
www.arrl.org



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

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" Helix 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 including 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

Wanted: Looking for a used or new old stock 250TH vacuum tube for my BC-610 transmitter.

AB8JF Bill,
wm_here4u@yahoo.com

MARC Vital Statistics

Memberships Expiring in March

K6VWE

K8VB

KB8PGV

Memberships Expiring in April

None

Memberships Expiring in May

KA8EZX
KC8IHB
KC8ZMQ
KD8HIH

WA8LQD
WW9E
KB9YSQ

Current Active Club Membership 68

Birthdays Celebrated in March/April

W8SEX 3/4
KB8VSU 3/9
NQ8T 3/15
KC8RTU 3/16
KC8RTW 3/17
K8VB 3/19

KC8FDM 3/26
WD8OEU 3/27
W8QN 3/31
KC8TQS 4/9
KC8SRT 4/11
KD8CUX 4/17

N8KFE 4/18
KC8IHB 4/19
W8AWS 4/19
KD8HIC 4/27
WA8LQD 4/27
KD8MQX 4/28

W8CVZ 4/28
KA8EZX 4/28
N8JBW 4/30
KD8HIG 4/??

Anniversaries Celebrated in March/April

K8RRB and ??? 3/4
KC8ITI and KC8MUD 3/6
WD8BPT and Melody 3/13

KB4EIZ and KD8HIC 3/24
WD8OEU and Grace 04/17

Information is from data received 3/8/2011

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