

The Zero Beat

THIS MEETING

April 14, 2010
7:30 P.M.
(socializing begins at 7)
Hoover Elementary
23720 Hoover Ave.
Hazel Park 48030

CONTENT

Around Town	9
Banquet	6
Charity Walks	6
Contesting	4
CQ DX	4
Don't Drive Here	6, 9
HPARC Apparel	3
MAP	6
Minutes	5
MIQP	3
MS Walk	6
Nets	3
Officers/Volunteers	2
President's QRM	1
Red Cross MOU	7
W1AW Schedule	8

GENERAL MEETING

Our next meeting will be on **April 14** meeting at **Hoover Elementary**. Eyeball meeting starts at 7 pm and **Meeting starts at 7:30**.

Our favorite Heathkit collector Steve Gladstein will talk about "True Confessions of a Heathkit JUNKie". We will also have nominations for the Board. This is very important as we want to make sure that we get the right folks to run things. If you are think you are one such animal, let it be known. Even though some incumbents are running, **REMEMBER – ALL BOARD POSITIONS ARE UP FOR GRABS**.

Jim said this month we will have a Radio Drawing from January and March Red tickets only. The red tickets you buy at this meeting will go toward the next radio drawing. Bring money for the Banquet also, See the article all about it.

Come early—bring a friend—and see you at the meeting.

PRESIDENT'S QRM

April is nomination month. Let's give the election committee lots of nominations for club officers. This year the nomination committee consists of Phil, AA8KR, Christine, N8WIQ and Rey, W8REY. It is very important to have a good choice of quality candidates. Don't miss the April meeting, as nominations will be made from the floor at this meeting. If you can't make the meeting, contact one of the nomination committee members to make a nomination. The election will be held at the May meeting.

Please see the membership handbook for the duties of the officers. If you don't have a handbook, see Mike, WD8S for one. In addition to what is listed in the handbook the first vice president keeps track of the membership list and collects the dues, which he turns over to the treasure. He also buys prizes for the

monthly raffle. The second vice president has the external duties including scheduling the programs and speakers for the club meetings. He also orders the sweepstakes pins. In the past he reserved motel rooms for club members attending the Hamvention in Dayton. This has not been done lately due to lack of demand by the membership.

Even if you don't run for a club office there are other things you can do for the club through out the year. It's good to rotate through the various club jobs. Volunteering is good experience that can help you in other endeavors and it's good for the club.

Field day will be here soon so get with this years chairman John, AA8UU with your ideas and a list of equipment you can bring.

I just renewed my license on line again and found it quick and easy. I keep a folder with my license information including my

(Continued on page 2)

OFFICERS & VOLUNTEERS

- **President:** Murray Scott
KE8UM@arrl.net
- **1st VP:** Jim Poehlman
K8ABZ@arrl.net
248-398-0086
- **2nd VP:** Dave K8TRF
248 280-0385
k8trf@arrl.net
- **Treasurer:** John Fleming
K8UP 248-542-9573 john@fleming-photo.com
- **Technical Coordinator & W8HP Trustee :**
Murray Scott
KE8UM@arrl.net
- **W8JXU Trustee:**
Bill Ketel N8QVS
- **Education Coordinator:**
John Fleming K8UP
248-542-9573
john@fleming-photo.com
- **Instructors:**
Rich Urbano KC8WPW
kc8wpw@arrl.net
Marsha Fleming N8FE
n8fe@arrl.net
John Fleming K8UP
john@fleming-photo.com
- **Contest Mentors:**
Mike WD8S
wd8s@arrl.net
Gerry K8GT k8gt@arrl.net
- **VE Testing:** Dee Flint
N8UZE n8uze@arrl.net
- **LoTW Manager:**
Murray Scott KE8UM
ke8um@arrl.net
- **Newsletter/PIO:** Marsha
N8FE n8fe@arrl.net
248-542-9573
- **HPARC Apparel/ VUCC/ WAS Awards Card Checker**
Sean Fleming K8KHZ
k8khz@ymail.com
- **Director:** Rich KC8WPW
586-264-5035
shadowru@comcast.net
- **Secretary:** Jerry Begel
W9NPI 248-543-2284
afcsman@comcast.net
- **Parliamentarian:** Mike Van Buren WD8S
wd8s@arrl.net
- **50/50 & Donuts:**
Rey Bora W8REY
- **Meeting Coffee:** Ralph
Augustyniak KC8ZKA
- **Sunday Net:** Bill Ketel
N8QVS 248-544-2452
wkettel2@wowway.com
- **Holiday Party Chair:**
John K8UP
- **Dayton Flea Market:**
Steve Gladstein N8FH
- **Banquet:** Rey Bora W8REY
rey62@aol.com
- **Field Day Chair:**
John Teagardin, AA8UU
aa8uu@arrl.net
- **HPARC Official Cook:**
Bill N8QVS
- **Swap:** Mike Van Buren
WD8S wd8s@arrl.net
Assistant Swap Chair
Walt Carter KD8LWC
pidge4645@aol.com
- **Webmaster:** Marsha N8FE
- **MS Walk Chair:**
Phil AA8KR 586-838-4139
- **Walk for Babies Chair:**
Jim K8ABZ k8abz@arrl.net

QRM CONT.

(Continued from page 1)

Cores password and FRN number. I can't believe I will be licensed 50 years in 2011. (Gee, you must have an old guy for president)

We are getting more sunspots now and the high frequency bands are getting better. I have made a lot of contacts on 12m and some on 10m. I worked South Africa on 10m in the middle of March so keep an eye on ten.

The charity walks will be starting up soon as the weather is getting warmer. Be sure to volunteer, it's fun and good experience. The Club also does the Oak Apple run every year. It is important to give back for all the frequencies and privileges we have.

Spring is almost here and time for antenna work. If you need help contact the club at our weekly breakfast, by e-mail or telephone. If you send an e-mail and get no response maybe we didn't get it so please call on the telephone if we don't respond. We will help.

When operating, it is important to use good judgment and courtesy. If you are in a pile-up sometimes it's better to wait awhile and let other stations work the DX. When they are out of the way you will find it easier to work the DX station instead of just adding to the QRM. Keep it short so someone else has a chance. Before calling CQ do you ask if the frequency is in use?

Blow the dust off and enjoy your radios

73

Murray, KE8UM

RADIO DRAWING THIS MONTH

Someone who purchased **RED** tickets in **January** or **March** is going to **win a radio** at the April meeting.

Get a chance for the **next** radio drawing. Purchase at least one **RED** ticket at this month's

H P A R C N E T S

Sunday Night 2-meter Phone Net

Every Sunday at 9:00 PM local time, (146.64 (-), catch up on club news and information, and just to keep in touch. All amateurs are welcome to check in.

HPARC medium speed CW net

Every Tuesday night at 8:00 PM on 28.128 MHz. Al, N8WYO, runs the net and will match your speed. This is a net for folks who have mastered the 5 wpm, and want to move up to faster speeds, or if you're a little rusty.

Al calls CQHP at 8 PM sharp!

Wolverine Net

The 75 Meter Wolverine Net meets on 3935 KHz (LSB phone) daily at 7:00 PM local time with pre-net starting at about 6:30 PM. The nets start a half hour earlier in winter.

You can get details from

Joe, K8JRE joecuchetti@comcast.net or

Ed, W8EDE ed@ellisgen.com.

Oakland County ARPSC

Every Thursday @ 8 pm on 146.900 MHz/100pl. Hospital Radio Net on last Thursday of each month during the net. (W8OAK-3 will run packet on 147.56 MHz for those wanting to practice and test their equipment)

www.qsl.net/w8oak

NTS Traffic Nets

the Southeast Michigan National Traffic System (NTS) net Normally held every night at 10:15 PM local time on 145.33 MHz. Repeater. New people are welcome.

M I Q P

The 2010 Michigan QSO Party (MiQP) will be April 17-18. All amateurs are invited to participate. As usual, Michigan amateurs receive contest points for contacting other amateurs within the state/section.

Amateurs outside of Michigan earn contest points for QSOs with Michigan hams, only. As the announcement of the Party says, "This is a great opportunity develop HF operating skills, represent the great state of Michigan, and last but not least, have a bunch of fun. Even if you don't consider yourself a contest operator, you'll probably find its a blast to jump in to work the throng who will be looking for Michigan QSOs. If you've ever operated on Field Day, you'll certainly be ready for MiQP."

The operating period is twelve hours long, from noon local time (1600Z) until midnight local (0400Z) Eastern time. "Activity takes place on the 80 thru 10 meter bands, on both phone and CW. The exchange is simple: a sequential QSO number (starting with 1, then 2, 3...) and your location (county for Michigan stations, and state, province or "DX" for others). A station may be worked once per band and mode, with CW QSOs counting two points and phone QSOs counting one point (just like Field Day). Multipliers are states, provinces, and Michigan counties, counted once on phone and once on CW. Final score is total QSO points times total multipliers."

There are handsome plaques for major category winners in Michigan and certificates for the top single-operator score in each Michigan county. There is a competition for Michigan clubs where scores of its members are combined into an aggregate score for that club. There are also categories and awards for mobile and multi-operator stations.

"The separate category instituted in 2008 for Emergency Operation Center (EOC) stations has become a permanent part of MiQP, and continues in 2010. A handsome MiQP plaque will be awarded to the highest scoring EOC station and certificates for second and third place. We are also continuing the 'MiQP Rookie Of The Year' plaque instituted in 2007, which is awarded to the top single-operator score submitted by a Michigan station who has never participated in MiQP before." See <http://www.miqp.org> for complete rules and further information.

The MiQP is sponsored by the Mad River Radio Club. [source: Weaver's Word's]

HPARC JACKETS

SIZE	FLANNEL	QUILTED
S—XL	40.00	45.00
XXL	43.00	48.00
3XL	46.00	51.00

\$10 Off First Jacket

*payment due with order.

T-SHIRTS \$10

See Sean K8KHZ at the meeting or call on 248-331-7821 any time. OR email Sean at

C Q D X . . .

VIET NAM, 3W. A group of operators will be QRV as **3W6C** from **Con Co Island**, IOTA AS-185, from April 10 to 18. Activity will be mainly on the low bands. QSL via operators' instructions.

REUNION ISLAND, FR. Stephane, F5UOW is QRV as **FR/homecall until April 17** on 20 meters only and then as **TO2R until May 2**. Activity will then be on 80 to 10 meters using mostly CW. QSL to home call.

CZECH REPUBLIC, OK. In commemoration of the old HF coast radio station Praharadio, former radio officers will be QRV with special call **OL35OLP until the end of April**. QSL via OK1DRQ.

MEXICO, XE. In celebration of the **bicentennial of Mexico's independence** and the centennial of the Mexican Revolution, Mexican stations may use the **special prefix 4B** throughout 2010.

MAURITIUS, 3B8. Mart, DL6UAA is QRV as **3B8MM**. He is here for about four weeks. Activity will be on 160 to 10 meters using mostly CW. QSL to home call.

ANDORRA, C3. In celebration of the **Andorra Society's 30th anniversary**, hams here may use special prefixes C35 and C36 throughout the month of April.

ITALY, I. **Special event station IIOSPQR** is QRV during the month of April in celebration of the 2763rd anniversary of the city of Rome. QSL via IKOQNZ.

In celebration of the **100th anniversary of the Wireless Institute of Australia special event station VK100WIA** will be QRV from May 1st to October 31st. The station will be located in Australia's capital city of Canberra, during the WIA Annual General Meeting (AGM) will be held between May 30th and 31st. A special award will be available during this period. Complete details can be found at [WIA website](http://www.wia.org.au).

C O N T E S T C O R N E R

Welcome to Contest Corner. As usual, there seems to be something for everyone. CU on the air.

April 2009

- 15 MOON Contest - CW/Digi/SSB
- 17 Holyland DX Contest - CW/SSB/Digi
- 17 Michigan QSO Party - CW/SSB**
- 18-19 Ontario QSO Party - CW/Phone
- 20 Run For The Bacon QRP Contest - CW
- 24-25 Florida QSO Party - CW/Phone
- 24-25 Nebraska QSO Party - CW/Phone/Digi

WE ARE The MI QSO Party

This month is our state QSO Party. HPARC sponsors one of the plaques. The QSO Party is on Saturday April 18 from noon to midnight local time CW and/or Phone.

There will be people working mobile so some of the rare counties will be covered. Get information on their website at www.miqp.net. They have several help documents and even a demo version of NA. However, it is limited in number of contacts.

Come to the April meeting and hear the presentation on the Michigan QSO Party given by Mike WD8S.

Most importantly get on the air and make some Q's.

HAVE FUN

73,

Marsha N8FE



NEW CPR

CALL 911

Start chest compressions

Keep doing compressions

until help arrives

No matter how long that takes

[Watch a video](#)

MARCH MEETING MINUTES

Meeting Called to order at 7:30 PM by the President, Murray Scott, KE8UM.

Speaker

Tom Hagen, NE8Y, presented a fascinating demonstration of Electronic Circuit Design and PC Board layout using common Freeware (LT SPICE and Free PCB) from the Internet. A coffee & donuts break followed.

Business Meeting called to order at 8:37 PM

Old Business

Secretary's Report

No Minutes for the February General Membership Meeting due to a Severe Weather Cancellation by the Hazel Park Schools. Moved to accept: KD8FOR, Second: WB8WPS.

Approved.

Treasurer's Report

John Fleming, K8UP, reported that as of February 8, 2010, the club had a balance of \$9915.10 with petty cash on hand of \$22. As of March 10, 2010, balance was \$10,147.67 with petty cash of \$22. Moved to accept Treasurer's report: N8FE, Second: KD8LWA. **Approved.**

New Business

Nominating Committee

KE8UM announced that Phil Ode, AA8KR, (?) and Christine Ode, N8WIQ will form a Nominating Committee for elections to be held at the May General Membership Meeting.

Banquet

KE8UM advised that Rey, W8REY, will chair the Club Banquet this year. The President called for a volunteer to assist, especially in obtaining door prizes for that function. AA8OZ volunteered.

Jackets

N8FE took one order for a Club jacket at the meeting. She advised that an Order Form for jackets and tee-shirts will be posted on the Club Website. K8UP straightened out the delay about our receiving the 4 jackets previously ordered.

Inter-Club News

Jim, K8LFE, announced happenings between the Clubs in the area (see the Zero Beat). He offered to run an Antenna Building Project to construct G5RV antennas. Jim also donated a homebrew Direction-Finder Yagi antenna, whose active elements were made from a flexible metal ruler. It was given to the club to be used as a door prize.

Announcements

AA8OZ announced that the Ann Arbor FIRST Robotics District Competition. was to be held over the next weekend. (see <http://www.annarbor.com/news/40-teams-gather-at-skyline-high-school-to-compete-in-robotics-competition/index.php>) Further, he advised that there was a "Maker Faire" planned at The Henry Ford Museum July 31/August 1, 2010, sponsored by "Make" Magazine.

This is an exhibition of exotic Do-it-Yourself projects, with young people in mind. He invited HPARC members to join him in setting up an Amateur Radio table at the exhibition.

KE8UM advised that the Annual MS Walk in Troy will be held Sunday, May 2, 2010.

K8ABZ announced that the March of Dimes Walk in Troy will be held on Sunday, April 25, 2010.

WD8S advised that the Royal Oak "Oak-Apple Run" will be held on Saturday, June 5, 2010.

Volunteers are needed for all of these events.

N8FE encouraged all Hams to go to the ARRL website (ARRL.org) to send a message to their US legislator on behalf of PRB-1.

New Members

Ed George--WD8V, Brian Merrill--N8RLN, Jay Schwartz--WB8SBI, Bernard Hildebrand--KD8NBC.

Approved Unanimously!

Raffle

N8FI won the 50/50 raffle, and donated his winnings to the Club. No mobile radio was raffled this month.

Adjournment

Move to adjourn: K8RBZ, Second, W8REY

Meeting was adjourned at 9:28 PM

Respectfully submitted, Jerry Begel, W9NPI, Secretary

MANUAL NEEDED

I need a manual for a VHF / UHF DUAL BANDER HT , model number AT-600 radio that I purchased at Richard's estate sale. The radio is a dual band made by ADI communications. If anyone has the manual please contact me at wkete12@wowway.com

73, William Ketel N8QVS

I-75 BY MONROE

According to the March 28, 2010 Free Press, we'll have to give extra time and patience going through Monroe County to get to Dayton this year.

Major bridge repairs are planned along northbound I-75 until late June.

- ◆ The left southbound lane is to be closed between Exit 16/Sandy Creek and Exit 12/ LaPlaisance,
- ◆ The center and right lanes will be shifted toward the right shoulder .

Don't think this is all they will do. In spring 2011, crews are to begin repairing five other bridges.

MARCH OF DIMES

Come to the April Meeting to learn more about our participation at the March of Dimes Walk for Babies. Please volunteer to help again this year.

We are always ready to help our charities with communications.

WELCOME NEW MEMBERS

Jay Schwartz, WB8SBI
 Edmund George, WD8V
 Albert Schwaller, KD8NBF
 James Bezy, No Call
 Brian Merrill, N8RCN

2010 BANQUET



The banquet will be held at **DeCarlo's Banquet Center** (one block East of Mound Rd.). The ticket price remains the same as last year at \$20.00 each.
Date: June 9, 2008

Time: 7pm-10pm

Cost: \$ 20.00 per person

Place: De Carlos Banquet Center

6015 E. Ten Mile Rd. (east of Mound Rd.)
 Warren MI 48091

Banquet ticket includes your chance to win a door prize including a nice radio. So be sure to get yours.

In place of our regular 50/50 raffle at the April and May meetings, we will raffle a pair of banquet tickets (a \$40.00 value) to one lucky member or guest.

These raffle tickets will be (10) for \$5.00. If the lucky winner had already purchased their tickets, they will get a refund for those tickets.

Deadline for reservations is May 31, 2008, so I can have the payment to De Carlos in time for the deadline. We are required to pay for a minimum of 50 people. The room holds up to 75 people. For additional information or to purchase tickets, please contact:

Rey Bora - W8REY at (586) 909-9820

Paul DeAthos - AA8OZ at (248) 330-9551

MS WALK TROY

Sunday May 2, 2010

Troy High School

4777 Northfield Parkway, Troy, MI 48098

(just west of Crooks on Long Lake)

Between 9 AM— about 1PM.

The walk official starts at 10:00AM

We need about 10 hams for this walk.

Mobile operators as well as shadows!

There will be a sign-up sheet at the next meeting.

Chairman: Alan AB8SA, contact on 586-619-7119 or

kimlvr@gmail.com

RED CROSS MOU SIGNED BY ARRL

On Thursday, March 25, ARRL President Kay Craigie, N3KN, signed a new Memorandum of Understanding (MoU) with the American Red Cross (ARC) at ARC National Headquarters in Washington, DC. The MoU, which replaces an earlier Statement of Understanding that expired in 2007, provides a "broad framework for cooperation" between the ARRL and the ARC "in preparing for and responding to disaster relief situations at all levels in rendering assistance and service to victims of disaster, as well as other services for which cooperation may be mutually beneficial."

The ARRL Board of Directors approved the signing of the MoU at its January 2010 meeting following the completion of negotiations. The Red Cross requires the completion of a criminal background check to participate in Red Cross activities and provides a process by which a volunteer may have a criminal background check performed at no cost to the volunteer.

In the case of ARRL volunteers, the Red Cross has agreed to accept an alternative process: ARRL volunteers may arrange, at their own initiative and expense, to have the criminal background check performed by a state or local law enforcement agency.

The Red Cross also has agreed that ARRL volunteers shall not be asked or required to consent to credit checks, mode of living investigations or investigative consumer reports in order to provide a communications function.

The ARRL and the Red Cross encourage interested volunteers in their respective organizations to become members and to participate in the activities of the other organization. ARRL volunteers should be aware that if they wish to become Red Cross volunteers, they may be required to consent to additional background checks in accordance with Red Cross policy that may include credit checks, mode of living investigations or investigative consumer reports.

Per the MoU, "both ARRL volunteers and ARC workers will work cooperatively at the scene of a disaster and in the disaster recovery, within the scope of their respective roles and duties as recommended."

During a Red Cross Disaster Relief Operation (DRO) and depending on their training and qualifications, ARRL volunteers may perform in one or more of several roles, including Amateur Radio Liaison, Communication Equipment Operator, Communication Equipment Installa-

tion/Repair and Disaster Assessment. ARRL volunteers who are assigned roles by the Red Cross during a DRO will be provided with Red Cross credentials as required by the role, consistent with Red Cross policy.

Because of the importance of emergency communications, we are happy to be able to continue the League's long-standing relationship with the American Red Cross," said ARRL President Kay Craigie, N3KN. "The ARC and other served agencies give Amateur Radio operators the worthwhile missions in our communities that allow us to thank America for the privilege of being hams." [source ARLB012]

ANTARCTIC BEACONS

The Deutscher Amateur Radio Club reports that, after a long odyssey from Germany to the Vostok base (R1ANC) in Antarctica, including a failed start connected with huge logistic problems, the beacon finally was put into operation at the Russian Antarctic base Bellinghausen, **R1ANF**, on King George Island (belonging to the South Shetlands) on March 8.

Oleg, ZS1ANF (UA1PBA, ex-R1ANF), picked up the beacon during a trip to the Antarctic Logistic Center International (ALCI) on Novo Runway and installed it right away at R1ANF after his return to King George Island.

The beacon consists of an IC-706, AT-180 antenna tuner, a switching power supply, a PROCOM HF-5000 vertical antenna and a GPS synchronized controller. The beacon is working on 14101.0 kHz and transmits the following text every full minute "VVV R1ANF ANTBEAP (carrier signal reduced similar to the NCDXF beacons, starting with 100 watts) R1ANF AR".

Another beacon is ready to be installed at the Novolazarevskaya base and shall be active on the same frequency using the callsign R1AND.

A few more beacons will be set up with the Antarctic Beacon Project (ANTBEAP) to explore the wave propagation in the Antarctic region.

Any SWL reports are very welcome and should be sent to Dominik, DL5EBE. [source: Southgate news]

W1AW SPRING / SUMMER SCHEDULE

Morning Schedule:

Time	Mode	Days
1300 UTC (9 AM ET)	CWs	Wed, Fri
1300 UTC (9 AM ET)	CWf	Tue, Thu

Afternoon/Evening Schedule:

2000 UTC (4 PM ET)	CWf	Mon, Wed, Fri
2000 "	CWs	Tue, Thu
2100 " (5 PM ET)	CWb	Daily
2200 " (6 PM ET)	RTTY	Daily
2300 " (7 PM ET)	CWs	Mon, Wed, Fri
2300 "	CWf	Tue, Thu
0000 " (8 PM ET)	CWb	Daily
0100 " (9 PM ET)	RTTY	Daily
0145 " (9:45 PM ET)	VOICE	Daily
0200 " (10 PM ET)	CWf	Mon, Wed, Fri
0200 "	CWs	Tue, Thu
0300 " (11 PM ET)	CWb	Daily

Frequencies (MHz)

CW: 1.8025 3.5815 7.0475 14.0475 18.0975 21.0675
28.0675 147.555

DIGITAL: 3.5975 7.095 14.095 18.1025 21.095
28.095 147.555

VOICE: 1.855 3.990 7.290 14.290 18.160 21.390
28.590 147.555

Notes:

CWs = Morse Code practice (slow) = 5, 7.5, 10, 13 and 15 WPM
CWf = Morse Code practice (fast) = 35, 30, 25, 20, 15, 13 and 10 WPM
CWb = Morse Code Bulletins = 18 WPM

CW frequencies include code practices, Qualifying Runs and CW bulletins.

DIGITAL = BAUDOT (45.45 baud), BPSK31 and MFSK16 in a revolving schedule.

Code practice texts are from QST, and the source of each practice is given at the beginning of each practice and at the beginning of alternate speeds.

On Tuesdays and Fridays at 2230 UTC (6:30 PM ET), Keplerian Elements for active amateur satellites are sent on the regular digital frequencies.

A DX bulletin replaces or is added to the regular bulletins between 0000 UTC (8 PM ET) Thursdays and 0000 UTC (8 PM ET) Fridays.

In a communications emergency, monitor W1AW for special bulletins as follows: Voice on the hour, Digital at 15 minutes past the hour, and CW on the half hour.

FCC licensed amateurs may operate the station from 1400 UTC to 1600 UTC (10 AM to 12 PM ET), and then from 1700 UTC to 1945 UTC (1 PM to

3:45 PM ET) Monday through Friday. Be sure to bring your current FCC amateur license or a photocopy.

The complete W1AW Operating Schedule may be found on page 102 in the March 2010 issue of QST or on the web at <http://www.arrl.org/w1aw.html#w1awsked>.

Also, just a reminder that beginning today, March 15, 2010, W1AW alternates the digital modes used for its digital bulletin transmissions. While Baudot, BPSK31 and MFSK16 still make up the digital mode complement, the schedule is altered to give more exposure to BPSK31 and MFSK16. Because of time constraints and the varying lengths of digital bulletins, there were many instances in the past when only Baudot was used.

With the new schedule, amateurs preferring either BPSK31 or MFSK16 will find these modes no longer secondary.

The regular callup is made using the mode that is transmitted first.

The digital bulletin times remain at 6 PM and 9 PM eastern, daily.

The Tuesday and Friday Keplerian data bulletins will continue to be sent using just Baudot and BPSK31.

Given time constraints and bulletin lengths, all three modes may not always be transmitted.

The new digital schedule can be found in teleprinter and packet versions of 2010 ARRL Bulletin ARLB005.

EAST NOT MEET WEST

The following ramps will be closed:

11 Mile entrance ramp to westbound I-94 until Sept 10
 Westbound I-94 exit ramp to 11 Mile until Sept 10
 M-3 (Gratiot Ave) entrance ramp to eastbound I-696 until
 June 24

The following two lane interchange ramps are now reduced
 to a single lane.

Eastbound I-696 to westbound I-94 until Sept 10
 Eastbound I-94 ramp to westbound I-696 until Nov. 25
 Eastbound I-696 to eastbound I-94 until June 24 at which
 time it will be completely closed until Oct. 15
 Westbound I-94 to westbound I-696 until Oct. 7

I-696:

In Macomb County, the following lane closure at the I-
 696/I-94 interchange is scheduled to begin at 7 a.m. on
 Saturday morning:

-The left lane of east- and westbound I-696 will be closed
 from Nieman Road to I-94 until October.

In Macomb County, weekend construction beginning at 6
 a.m. on Saturday until 5 a.m. on Monday will result in the
 following restrictions, weather permitting:

-The right two lanes of eastbound I-696 will be closed from
 Dequindre to Van Dyke.
 -The left three lanes of westbound I-696 will be closed from
 Van Dyke to Dequindre.
 -In conjunction, the Mound Road entrance ramp to west-
 bound I-696 will be closed during the same time frame.

In Oakland County, crews will begin preliminary work on the
 reconstruction of northbound and southbound I-75 at Nine
 Mile Road in Hazel Park. Beginning at 9 p.m. and ending by
 5 a.m. the following mornings, crews will close the left lane
 in both directions at Nine Mile nightly beginning Monday
 night (4/12) and ending Friday morning (4/16).
 Beginning Friday night (4/16), crews will then implement
 lane closures (two lanes open in each direction via traffic
 shifts) for reconstruction which is expected to last until late
 July.

A R O U N D T O W N

DAYTON BUS courtesy of the Arrow Club again this year
 leaving on Saturday May 15 @ 4:30A from Ann Arbor. The
 cost is \$60 + hamvention ticket contact President Dan-
 KB6NU @ 734-930-6564.

TRUNK SALES

USECA - July 25 & Aug 22 in the parking lot of the Elks
 Lodge in Mt Clemens.

GMARC - May 22, July 17 & a September TBD. This will be
 at Trinity Lutheran Church @ Van Dyke & Hall Road.

SKYWARN CLASSES

Macomb County RACES-ARPSC-SKYWARN

2 hour Skywarn classes -- April 21, 7-9 P. Pre-registration
 is required. Contact Paul at kc8bdk@kc8bdk.org or Keith
 @ 586-469-6392. Class is held at the Macomb County ISD
 building at Garfield & Hall Roads, Room #103.

SWAPS : Milford- April 17, Dayton- May 14,15 &16,
 Monroe- June 20.

Pre Field Day trial run on June 6,(Sun) @ the Metro Beach
 jet ski area organized by USECA. This is open to anyone
 who wants to test there station or just make contacts.

Packard Proving grounds Historic Site is looking for volun-
 teers to help with the restoration & their **1920's amateur
 radio station**. They are hosting an open house on April 25
 @ 1-5 PM. They are looking for guides, security and park-
 ing attendants, etc. Contact [Andy@ a1xdrew@yahoo.com](mailto:Andy@a1xdrew@yahoo.com).
 The site is located on Van Dyke, north of 22 Mile Road.

Plymouth historical museum has a complete ham radio
 station with past & present equipment. It is located at 155
 South Main Street, Plymouth, Mi., 734-455-8940, hours
 Wed, Fri, Sat & Sun, 1-4PM.

GMARC is looking for a 2 M repeater site, any ideas, loca-
 tions or information Email Jim at k8lfe@aol.com. Their
 April 20 meeting will be a show & tell about home brew
 projects .

INTER - CLUB LIAISON by Jim Stafford-K8LFE

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2010 DATES

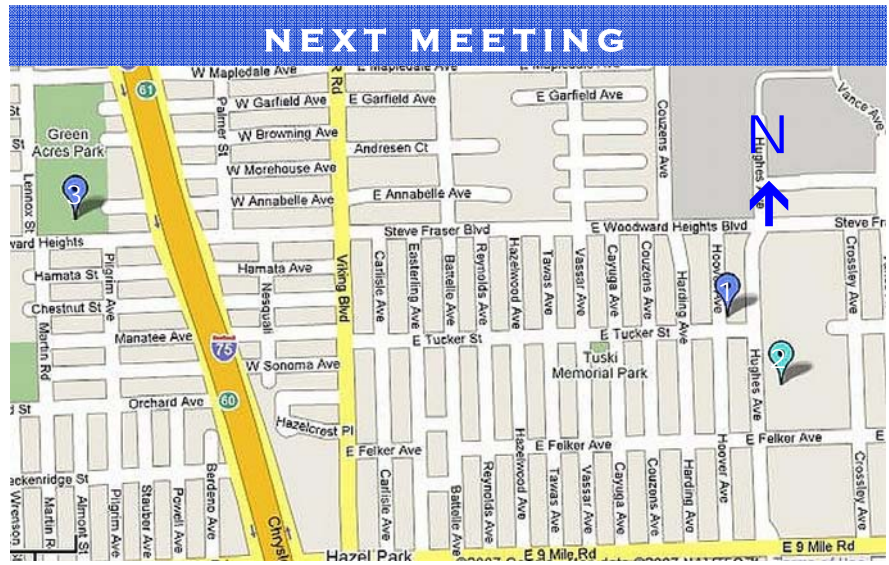
May 12
Banquet June 9
Field Day June 26-27
Picnic August 11

TIME

Socializing @7:00 P.M.
Meeting @7:30 P.M.

PLACE

Hoover Elementary
23720 Hoover Ave.
Hazel Park 48030



Locations: 1- Meeting 2- Swap 3- Picnic

We're on the Web
www.hparc.org



Hazel Park Amateur Radio Club
P.O. Box 368
Hazel Park, MI 48030



Please check mailing label — is your membership about to expire?