

The Zero Beat

THIS MEETING

October 8, 2008
7:30 P.M.
 (socializing begins at 7)
Hoover Elementary
23720 Hoover Ave.
Hazel Park 48030

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MHO AND SOLAR FLARES

Tom Hagen, NE9Y, will be the presenter for October. He is secretary of the McMath-Hulbert Astronomical Society. He will tell us about the McMath-Hulbert Solar Observatory ("MHO") and "Solar Flares and Their Effect on Amateur Radio" He will also be discussing a little about the history of MHO including a little about the K8MHO ham radio station. In the 1950's when U.of M. owned it, they did research on solar flares using signals received on the Hallicrafters SX-88 (tuned at 18MHz) and the "SEA" (Sudden Enhancement of Atmospherics") VLF receiver (tuned around 24-30 KHz). This continued well into the 1970's. Signal levels were integrated and plotted on one chart recorder and provided an indication of solar activity.

Hope to see you there. As always friends and spouses are always welcome. Come early and get the good raffle tickets.

PRESIDENT'S QRM

Hello again. I can't believe its October already. That means it's time to bring in the hoses and set the pumpkins out. Then there's the leaf thing. But, of course we all have our antennas up and ready for winter right? It's not too soon to think about holiday shopping and our radio want list.

The December meeting will be here soon so we need someone to chair the party. We will be asking for a volunteer at the meeting.

I made a suggestion to the board about a fundraiser to supplement our swap income, which I suspect may be down again this year. We could sell Entertainment books before the Holidays and at the swap. We would have no cash outlay, just income. If we do this we will need a volunteer to oversee it. If we do this we must sign up by October 30. This is only a

suggestion at this point. Maybe you have other ideas. One thing for sure we all need to promote our swap to vendors and attendees in a big way this year. We have already sent notices to the major publications.

The questionnaires are still coming in but we had hoped for a better response from the membership by now. It is not too late to turn yours in if you have not done so. This is a good chance to let the board know what you think and help improve the club. We will be happy with your suggestions at anytime. However, if you have any special skills that the club can use let us know and we will see if we can use them now or in the future. Skills like web pages, newsletters, repeater experience and test equipment, tower climbing, helping new hams and driving people to the meetings. Let us know if I've missed something here. If you have any

(Continued on page 2)

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- **Jackets/Shirts:** Terrill
K8MAR 248 528-3624
- **50/50 & Donuts:**
Rey Bora
- **Field Day :**
- **Banquet:**
-

NETS

Oakland County Amateur Radio Public Service Corp (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

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.

NTS Traffic Nets

the Southeast Michigan National Traffic System (NTS) net Normally held every night at 10:15 PM local time on 145.33. Net manager is Diane, W18K.

Rocking Chair Net

You don't have to be confined to a rocking chair to check in! A friendly group meets on 145.630 MHz simplex (FM phone) at 8:00 PM local time, weekdays + some Saturdays. Net control is usually Bill, N8QVS, or Bill, KB8NIH, both of whom are located in Royal Oak.

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.

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!

QRM . . .

(Continued from page 1)

needs let us know that also. Club members help each other, for example I could not have put my tower up without the help of club members.

We have good news. The board meetings are back at the Hoover School. The board now meets the third Wednesday of the month in the teachers lounge. It's good to be backing home and we have had our first meeting there. The permit for our meetings has been received subject to change if the school calendar needs the gym for a school function. The school calendar has not done yet. A school closing could also affect our meetings. I hope we don't have to make any changes.

The projector has been ordered and the board is in the process of making a set of guidelines for its use. This will make it easier to schedule programs. Club members will also be able to develop programs and present them to the club. Instructors could find it occasionally useful at the license classes the club gives. The second vice president Dave, K8TRF is in charge of scheduling programs this year. So he seems to be the logical choice to be the custodian of the projector at this time.

From now on the drawings will be held before the close of the meeting. I tried to do it after the meeting as had been done a few years ago. That obviously did not work out very well. We will be trying to improve the audio at the meetings.

See you at the meeting and keep having fun with your radios.

73Murray, KE8UM

Welcome New Member
Ralph KC8ZKA

MINUTES OF SEPTEMBER 2008 MEETING

Meeting Called to order at 7:36 PM. Present were all officers and 36 members.

Speaker

Steve Gladstein, N8FH gave a presentation about PIC Controllers, how they worked, how circuits were designed around them, and how they were programmed. He demonstrated a simple code oscillator that was programmed to send "de W8HP." Steve is currently designing more Ham applications for PICs, and is willing to present them at a later meeting.

A coffee & donuts break followed by the Business Meeting called to order at 8:32 PM

Minutes

Moved to Approve May, 2008 minutes: K8MAR. Second: KD8AMQ; Passed Unanimously

Treasurer's Report

Treasurer K8UP presented his Report (attached). Moved to Approve Treasurer's Report: KJ8O. Second: K8Mar; Passed Unanimously

Budget

WD8S mentioned that the last Board had not approved a 2008 Budget, and that we were now presenting it. Treasurer K8UP presented the Current Projected 2008 Budget. Move to Approve 2008 Budget: N8FE. Second: KD8FUN; Passed Unanimously

Projector

KE8UM asked for Authorization to Purchase a ViewSonic Projector to use for Club Presentations. We are currently borrowing one from another club. There is an opportunity to buy a projector with spare lens for under \$600. Motion to Purchase Projector as described: KD8FVN. Second: KD8AMQ. After discussion, Pro-and-Con, Passed by Majority Vote.

Sunday Night Net

KE8UM Called for Volunteers for the NCS position—at present, only one person is working every week. The Club will have a Sign-In Sheet next month.

Public Information Officer

KE8UM announced that N8FE would assume the duties of Public Information Officer, as decided at the August Board Meeting.

Questionnaire

KE8UM called for more members to complete and forward the Club Questionnaire so we can improve our Club Activities and Programming.

Siren Test

K8UP advised that HPARC member Siren Volunteers reported on 26 sirens in the general area.

Licensing Classes

K8UP is now running one Extra Class, and is planning on General Class sessions next year. There may be an opportunity to run Technician Classes for CERTS Volunteers in Farmington Hills and Novi, about late October or November. He observed that 10-15% of the CERTS members join the HPARC after passing their tests.

KC8WPW announced that the September Technician Class had been cancelled due to low sign-up. He is planning another Technician Class in January, 2009.

Swap

WD8S brought fliers for our January 18, 2009 Swap. He encouraged members to take some and ask electronic stores to display them. K8UP observed that the Findlay, Ohio swap on September 7 had 1/3 fewer vendors. There was 1/4 of the past year's attendance, probably due to the weather. WD8S advised that the Peoria, Illinois, and Kalamazoo, Michigan Hamventions would have QSL Checking for DXCC. K8KHZ, locally, can Check for WAS.

Membership Prize

KE8UM advised that the Board has suspended the Monthly Membership Prize.

Board Meetings

KE8UM announced that Board Meetings would be held on the Third Wednesday of the month during the Club year. Location to be determined. (We will be using the Teacher's Lounge at Hoover School.) Interested members are encouraged to attend.

Programming

K8TRF announced that NE9Y, Tom Hagen, from the Solar Observatory, would be the guest speaker next month.

ARRL

K8TRF advised that the ARRL Archives of QST and other articles, dating back to 1915, are now freely accessible to ARRL members.

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MINUTES (CONT.)

(Continued from page 3)

Membership Manual

WD8S announced that a new issue of the Membership Manual would be available for distribution within the next two months..

Membership

K8ABZ encouraged members to use the Club Website (HPARC.org) to fill out their Membership Renewal Applications. Dues are now \$20. Annually, and include membership in the DART Repeater.

New Member

Ralph Augustiniak, KC8ZKA, submitted his Application and Dues. His membership to HPARC was approved by acclamation.

Prizes at Club Meetings

KE8UM advised that the Equipment raffle is independently maintained by K8ABZ, and ticket sales fund the prizes. Similarly, Proceeds from the 50/50 raffle, recently instituted, is split between the winning ticket holder and the Club.

Club Jackets

Terry, K8MAR has taken over this program. Contact him (248 528-3624) to purchase Jackets and Tee Shirts.

Coffee

N8QVS requested that someone else take over the job of supplying and making coffee at the meetings. This will be discussed at the next Board Meeting.

Other

AA8OZ announced: The owner of the house that was occupied by K8NKB (SK) wants the tower and its antennas removed. Paul asked for volunteers to help him remove it. Paul needs some volunteers to accompany a Boy Scout Troop, which is going to tour Wright-Patterson Air Force Base in Ohio, and needs some volunteers to demonstrate Ham Radio at a January, 2009 Boy Scout function.

Adjournment

Move to adjourn: N8QVS; Second: KJ8O. Passed Unanimously

Meeting was adjourned at 9:25 PM

Respectfully submitted,
Jerry Begel, W9NPI
Secretary, HPARC

YOSQP

By now, most of the readers should have gotten the October issue of QST with its focus on Radiosport. There are three feature articles and an eight-page "pullout" section of resources and references, in addition to the regular editorial content. This is a nice vote of confidence for contesting as an activity that encourages operating and the advancement of one's personal skills and station capabilities. Is the ARRL trying "kill off contesting"--a comment heard now and then? I don't think so.

In the pullout is an announcement of the Year Of the State QSO Party during 2009. There is a nice certificate that can be downloaded and soon there will be another image for a sheet of self-adhesive labels to be printed with all of the 50 state flags. These stickers can be affixed to the certificate when each state is worked during its QSO party, either by state or region. For those states without a QSO party, a contact during an ARRL contest will suffice.

As of this issue, there are a few states for which no QSO Party exists: North and South Dakota, New York(!), Iowa, Alaska, and Kansas. Would your club like to sponsor a QSO Party for your state just this one time? Perhaps the sponsors of a neighboring state might want to run a "two-stater" this year, or make a state QSO Party into a Regional QSO Party. If you do decide to do so, let your editor or ARRL Contest Branch Manager Sean Kutzko KX9X know so that we can let everybody know. We can also put you in touch with other similar sponsors for advice on rules and log handling. Remember that the deadline for your contest to make the QST version of Contest Corral is two months prior to the month of the contest. (i.e. - for a September contest, the deadline for QST to receive information is 1 July)

What is the point of the YOSQP? It's to introduce more hams, particularly those new to HF, to contesting in a low-key and casual way and give them a nice incentive, to boot. Careful readers of the award rules will note that it is a requirement to not only make the contact, but to send in a log to the contest sponsors. We hope this little exercise will also encourage these same operators to get involved with "the majors" and send in a log there, too. Along the way, they'll find that contesting is fun and submitting a score is not difficult.

And you Big Gun veterans out there--this should be fun

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YOSQP (CONT.)

(Continued from page 4)

for you, too! Haven't you gotten enough plaques and certificates on the wall from those massive contests? Wouldn't you like something a little different to set them off properly? Of course you would! I know I hear K4BAI racking up the QSOs in just about every state QSO Party. I'll bet John's already made a spot on his Georgia wall for this new certificate! When you jump in to the world of State QSO Parties, you'll find interesting rules, mobiles in interesting locations to spot, neat prizes and certificates, and most importantly, a new challenge.

The YOSQP will hopefully be a winner for everybody—the sponsors with more participation, the entrants advancing WAS or the YOSQP certificate progress, and the regular contesters that might start hearing some new calls in the pileups. After a year of chasing states, perhaps we will see more stations sending Sweepstakes checks from the past few years in 2009. After all, contesting is a bit addictive, isn't it? With apologies to the Lay's Potato Chip folks, once you start, nobody can work just one!

73, Ward NOAX

QSL MANAGER WANTED

Do you have time on your hands? DX hams often look for a stateside operator to help them with QSLing. Recently one such person put out a request for some help. If you think you can help, just let them know.

J69KZ

Lionel James Ellis

Box 171

Castries, St. Lucia. Eastern Caribbean.

ST LUCIA - WINDWARD ISLANDS

OPERATORS NEEDED

I am working on a **DXpedition to Lesotho in 2009**. The dates will be 29th July till the 12th of August. Am looking for some good operators to come along.

K5LBU Frosty

www.k5lbu.com 281-682-6093 Cell

SUNSPOT IN CYCLE 24



Space Weather News for Sept. 22, 2008

NEW SUNSPOT: For the first time in months, a significant sunspot is emerging on the sun. It is a fast-growing active region with two dark cores, each larger than

Earth. The magnetic polarity of the sunspot identifies it as a member of new Sunspot Cycle 24. Because the year 2008 has brought so many blank suns, some observers have wondered if we are ever going to climb out of the ongoing deep solar minimum.

Today's new sunspot is an encouraging sign that the 11-year solar cycle is indeed progressing, albeit slowly. Visit <http://spaceweather.com> for sunspot photos and updates.

SUNDAY NET

HPARC Sunday night net is held every Sunday at 9:00 PM local time. This is where we get together on a weekly basis to chat on the radio and catch up on club news and see how we all are doing.

The net is run as a directed net as a way to train people to be a net control operator and net participant. However, it is no way a formal net.

All members are encouraged to set the DVR to record your favorite 9 PM program and check into the net.

Bill N8QVS is always looking for more control operators, if you want to do that, let him know. You can do it as often or as few times as your schedule will allow. You can contact Bill at wkotel2@wowway.com or call him on 2485442452.

TALK TO THE WORLD

via our IRLP node

Instructions at www.hparc.org

On the DART tab

ARRL AUCTION

The Third Annual [ARRL On-Line Auction](#) kicks off October 23, running until October 31 on the ARRL Web site. This is your chance to pick up one-of-a-kind Amateur Radio items. To see what the Auction will offer this year, be sure to check out the Auction preview that begins October 16. Last year, the Auction attracted more than 3000 registered bidders from more than 40 countries. While the majority of buyers were from the USA, Canada and the UK, there were buyers from Australia, Malaysia, Grenada, Vietnam and Tanzania.

According to ARRL Chief Operating Officer Harold Kramer, WJ1B, "Last year's on-line auction -- our second -- proved to be a successful and enjoyable event for both hams and ARRL staff members alike. When the bidding ended, we realized that we had sold 162 items and raised just over \$50,000." Proceeds from the auction benefit ARRL education programs including activities to license new hams, strengthen Amateur Radio's emergency service training, offer continuing technical and operating education, as well as creating instructional materials.

ARRL Business Services Manager Deb Jahnke, K1DAJ, encouraged everyone to come and peruse the wide variety of offerings: "Browse through the Web site frequently, as items will be added on a daily basis. We also encourage you to look through the 'Help' and 'About Us' sections. You'll find useful information about bidding, FAQs and a host of other facts. To ensure an enjoyable experience, please be sure to read all policies in the 'About Us' section."

This year's auction will again include many transceivers and other items that have appeared in the QST Product Review column and have thus been thoroughly tested by the ARRL Lab. There will be many vintage items offered, as well. Also, returning by popular demand will be four ARRL Lab unique "junque" boxes. These boxes have a starting bid of \$50 and have almost anything you could ever possibly imagine in them. No one -- except the ARRL Lab staff -- knows what exactly is inside each box, but each is guaranteed to be full of things that the Lab staff consider valuable (but keep in mind that they collect just about anything).

Jahnke said that due to many requests last year, "all product review items in the On-Line Auction include a link to a PDF file of the actual Product Review, as well as a reference to the QST issue that the review appeared in."

FREE TECH CLASS

HPARC will be offering a **Technician License class at the Southfield Township offices** located on 13 mile west of Southfield. The class will **start in January 2009** time and date will follow. The test will be conducted on the last class night. **The only cost for the class is for the study manual.** Students can buy the manual from the instructors the first class night. The class will be **taught by Jeff, N8WR, and Rich, KC8WPW.** If you know anyone please have them contact us. Morse Code is not required. .

To register contact:

Jeff at N8WR@arrl.net or

Rich at KC8WPW@arrl.net

DX ENG BUYS COMTEK

On September 24, [DX Engineering](#) announced it has acquired North Carolina-based [Comtek Systems](#). Comtek's manufacturing and customer service operations will move to DX Engineering's Akron, Ohio facility. "Comtek's products are highly regarded among Amateur Radio operators," said DX Engineering president Paul Sergi, NO8D. "The addition of these products to our popular line of antennas enhances our ability to supply complete, high quality, directional antenna systems.

It's a win-win for DX Engineering and Comtek Systems customers." James Miller, K4SQR, principal of Comtek Systems concurred: "DX Engineering will continue the tradition of top quality products and customer satisfaction that we have provided for years. DX Engineering and Comtek Systems have complementary product lines and the synergy created by combining the two companies will bring many benefits to the Amateur Radio fraternity."

NEW YOUTH PAPER

MI Assistant Section Manager Simon, KC8DYZ, has published the first [Youth Radio in Michigan newsletter](#). Included in this issue are articles by out SM Dale, WA8EFK; Corey, KD8BOQ; and Simon himself.

Another interesting part of the newsletter is a proposal for creating a website just for kids in ham radio. I like this idea a lot. Not only would it be great for kids who are hams in Michigan, but perhaps for kids all over the country.

C Q D X . . .**C O N T E S T C O R N E R****Bangladesh Radio Licensing Begin Again**

Amateur Radio Exams, Licensing Return to Bangladesh
 Since 2004, Amateur Radio operators in Bangladesh have not been able to get an Amateur Radio license or sit for an examination. But thanks to the efforts of the Bangladesh Amateur Radio League ([BARL](#)) – that country's [IARU](#) Member-Society – the Bangladeshi government will once again issue ham licenses; exams will also be given on a monthly basis beginning August 13, 2008.

On July 21, representatives from BARL – Belayet Robin, S21RB; Zahid Shipon, S21VA, and Saiful Huda, S21SH – met with members of the Bangladesh Telecommunication Regulatory Commission ([BTRC](#)) in what Robin called "a very fruitful meeting. BARL had finally been able to make the concerned authorities understand the significance of ham operators in a country with frequent natural disasters like floods and cyclones." BTRC Chairman Major General Manzurul Alam was present at the meeting, as were "almost all the senior officials, engineers and technical experts of the authorities," Robin said.

Robin, BARL's Assistant General Secretary, said that Alam "patiently listened" to the BARL team as they presented highlights of the activities of Bangladeshi Amateur Radio operators since BARL's origins in the late 1970s. In this two hour meeting, the BTRC and BARL agreed to resolve any problems arising from issues dealing with Amateur Radio, as well as promising to "promote ham radio as a scientific hobby in the country," Robin said.

The Bangladeshi government has only allowed ham radio operations since 1991, though amateurs have received special permission on a case-by-case basis to set up Emergency Communications infrastructures during natural disasters such as cyclones, tidal waves and flooding. BARL was formed in 1979 as a way to promote Amateur Radio, but on-air operations were banned due to the political climate of the region.

BARL will offer a class to prepare for the [exam](#). Exams will be computer based with 35 multiple choice questions. In order to receive an Amateur Radio license, examinees must achieve 18 correct answers. Examinees are given one hour to complete the test.

[source:arrl website]

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

October 2008

- 2 10 meter NAC - CW/SSB/FM/Digi
- 2 SARL 80 m QSO Party - SSB
- 3 German Telegraphy Contest - CW
- 3-5 [YL Anniversary Party \(YL-AP\) - CW](#)
- 4 [LoTW Contest - SSB](#)
- 4 The PSK31 Rumble - PSK
- 4-5 [California QSO Party \(CQP\)](#)
- 4 PRO-CW Contest - CW
- 5 ON Contest 6 m - CW/Phone
- 5 RSGB 21/28 MHz Contest - CW/SSB
- 5 DARC HF-HELL Contest (40 m) - HELL
- 10-12 [YL Anniversary Party \(YL-AP\) - SSB](#)
- 11 LoTW Contest - CW/Digi
- 11 The Makrothen Contest - RTTY
- 11-12 OCEANIA DX Contest - CW
- 11-12 [PA QSO Party - CW/SSB/PSK/RTTY](#)
- 12 ON Contest 80 m - SSB
- 15 MOON Contest - CW/Digi/SSB
- 18-19 ARTS WW RTTY Contest - RTTY
- 18-19 QRP ARCI Fall QSO Party - CW
- 18-19 Worked All Germany Contest - CW/SSB
- 18-19 [W/VE Islands QSO Party - All](#)
- 19-20 [Illinois QSO Party - CW/Digi/SSB](#)
- 20 Run For The Bacon QRP Contest - CW
- 20-24 [School Club Roundup - All](#)
- 25-26 ARRL International EME Competition - All
- 25-26 [CQ WW DX Contest - SSB](#)
- 25-26 The eXtreme CW World-Wide Challenge - CW
- 25-26 10-10 Intern. Fall QSO Party - CW/Digi

BEAUTIFUL WAC AWARD EASY TO GET

On Friday, the ARRL Awards Branch unveiled a new design for two IARU award certificates: the [Worked All Continents Award](#) (WAC) and the 5 Band Worked All Continents Award (5BWAC). WAC is awarded to amateurs who have confirmed contacts on any band with Africa, Asia, Europe, South America, North America and Oceania, while 5BWAC recognizes hams who have made confirmed contacts with those continents on 10, 15, 20, 40 and 80 meters.

The WAC/5BWAC rules state that all contacts must be made from the same country or separate territory within the same continental area of the world. Contacts made on 10/18/24 MHz or via satellites are void for the 5-band certificate and 6-band endorsement. All contacts for the QRP endorsement must be made on or after January 1, 1985 while running a maximum power of 5 W output or 10 W input. US amateurs must be ARRL members to receive these awards; foreign amateurs must be members of their IARU Member-Society and should apply through their Member-Society.

According to ARRL DXCC Manager Bill Moore, NC1L, the WAC award – originally announced in April 1926 issue of QST – continues to be a popular award around the world with more than 6000 participants. "Besides the certificate design change, the WAC certificate will also display the award holder's name alongside their call sign. We do this already on the 5BWAC certificate."

Moore said there are a couple of ways that hams interested in applying for WAC or 5BWAC can do so. "They can download the [form](#) from the WAC Web site and send it via regular mail (along with QSL cards and payment) to ARRL, or DXCC recipients can send an [e-mail](#), referring to their DXCC award. We can look into your account to verify the contacts; just include your payment information in your

message," he said.

WAC is currently not supported in ARRL's Logbook of The World (LoTW), but Moore said that an upgrade to do so is currently in the planning stages. Any comments or questions regarding the WAC or 5BWAC program should be referred to the WAC Desk.

[source ARRL website]

SPECIAL EVENTS

At the ARRL [Special Events website](#) you can find a list of special events going on the air almost every day of any given month.

They are fun to work and collect QSL's and certificates. They also count for WAS and/or DXCC. To obtain a certificate from any of the special-event stations offering them, send your QSO information along with a 9x12 inch self-addressed, stamped envelope to address listed in the announcement. To receive a special event QSL card (when offered), be sure to include a self-addressed, stamped business envelope along with your QSL card and QSO information.

Winter Spotter Training

Saturday, October 25, 2008

Oakland County Executive Office Building (41W),
10:00 am. – 12:00 p.m. (You must register)

To Register call 248-858-5300

Oakland County Emergency
Response & Preparedness

SIREN SCHEDULE

Siren tests are The **first Saturday of each** month at 1:00 PM starting in March continuing through November.

The HPARC subnet covers sirens located between 8 Mile to South Blvd and Dequindre to Inkster to the west.

We use the DART repeater on 146.640 [100 Hz PL].
To volunteer call John K8UP 248-542-9573 or email him at john@fleming-photo.com

T-SHIRTS / JACKETS

HPARC T-shirts and Jackets available for purchase via Terrill K8MAR. Terrill will take your pre-paid order and then place the order. New members still get \$10 off their first jacket. T-shirts are still \$7.

Catch Terrill at meetings or by phone at 248 528-3624 to place your order.

A R O U N D T O W N . . .

12 Oct 2008 Michigan State Convention

Kalamazoo ARC & Southwest Michigan AR Team

<http://www.kalamazooamfest.com>

Talk-In: 147.640/147.040 (PL 94.8)

Contact: Ruth Bates-Hill, WB8VEV

Phone: 269-665-7419 (H); 269-207-9955 (C)

Email: ruthbateshill@hotmail.com

Kalamazoo County Fairgrounds

2900 Lake Street, Kalamazoo, MI

Email: k8hvi@arrl.net

L'Anse Creuse High School

38495 L'Anse Creuse Street

Mount Clemens, MI

18 Oct 2008 The Great Lakeshore Super Swap

Holland ARC

<http://www.hollandarc.org>

Talk-In: 147.06+ (PL 94.8)

Contact: John Seidelman, WD8BWK

46 West 21st Street

Holland, MI 49423

Phone: 616-394-9821

Email: swap@hollandarc.org

West Ottawa South Campus

3600 152nd Avenue

Holland, MI

26 Oct 2008 USECA Hamfest

Utica Shelby Emergency Communications Association

<http://www.usecaarc.com>

Talk-In: 147.180 PL 100)

Contact: Larry Logarta, W8NIC

PO Box 46331

Mt. Clemens, MI 48046

Phone: 586-864-4563

Email: w8nic@yahoo.com

American Polish Century Club

33204 Maple Lane Drive

Sterling Heights, M

7 Dec 2008 L'Anse Creuse Amateur Radio Club Swap

<http://www.n8lc.org>

Talk-In: 147.08 +600 (PL 100)

Contact: Marty Folz, K8HVI

40360 Ryan Road

Sterling Heights, MI 48310

Phone: 586-268-0544

18 Jan 2009 43rd Annual Hamfest

Hazel Park Amateur Radio Club

<http://www.hparc.org>

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Hazel Park High School

Hazel Park, MI

A R R L A R T I C L E S N O W O N L I N E

The ARRL announced a new membership benefit. This new benefit – a service of the ARRL Technical Information Service (TIS) – provides PDF copies of all QST articles from December 1915 through December 2004, enabling members to view and print their favorite article, project and more. Access to the new online digital QST archive is free for ARRL members

"Having access to every issue of QST through 2004 is absolutely incredible!" said ARRL Lab Manager Ed Hare, W1RFI. "The best of the best of QST from every era is now at the fingertips of every ARRL member with a keyboard and an Internet connection. Members can research articles on any subject that interests them, or just browse the past issues.

The ARRL Periodicals Archive and Search lists every article for QST from 1915 to the present, QEX from 1981 to the present, Ham Radio from 1968 to 1990 and NCJ from 1973 to the present (please note that beginning in 1998, each issue of QEX covers two months). Only ARRL members will be able to download and print copies of the QST articles.

An interest in Amateur Radio is the only essential qualification of membership. ARRL membership is \$39 per year in the US. For a complete list of membership benefits and dues, please visit the ARRL Membership Web page.

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2008-9 DATES

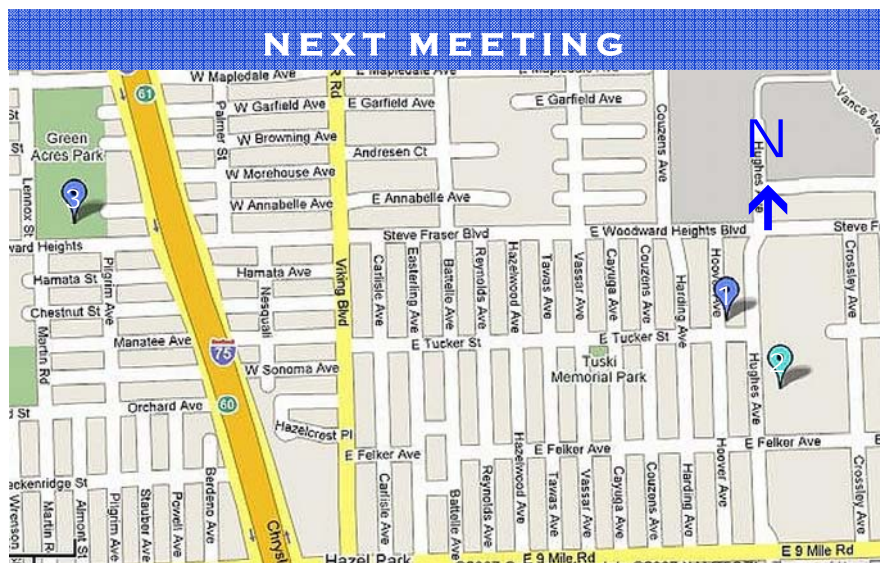
- November 12
- December 10
- January 14
- February 11
- March 11
- April 8
- May 13
- June 10

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



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P.O. Box 368
Hazel Park, MI 48030



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

FIRST CLASS MAIL — Dated Material