

# The Zero Beat

## NEXT MEETING

February 8, 2006  
 7:00 P.M.  
 Hoover Elementary  
 School  
 23720 Hoover Ave.  
 Hazel Park

## CONTENTS

Around Town	9
Contesting Corner	2
Dayton Hamvention	5, 6
IRLP	8
MAP	10
Minutes	7
Nets	2
Oakland Co. ARPSC	3
Officers/ Volunteers	2
Presidents QRM	1
Repeaters	5
Skywarn Training	4
Swap	1
Upgrade Classes	7

## SWAP 'N SHOP

The swap went very well. Even though the swap seemed smaller there was a steady flow of hams throughout the hallways. Most people say that the swaps are dying out and concern is that we are losing people coming to the swap. How can we get more people to attend.

Start planning for 2007. Clean out your shack to bring to the swap. Other ideas for next year are: have test a session, seminars, and invite computer vendors. If you have Ideas or comments please send them to me as I am pleased to be the chairman again next year.

Also if you are part of another club invite them to meet at our swap. The swap needs to be a social event also, a place where clubs meet. Invite other hams (in or out of state) to visit us.

We should start now—before Dayton—to start hyping up our swap. You might mention that the time of the swap is also during the North American International Auto Show. Nothing like looking at new cars and antennas. How do I get that new Yeasu on my Porsche?

I want to thank everyone who helped out . Thank you. Sean K8KHZ

## PRESIDENT'S MONTHLY QRM

The swap is over and the results are in. All things considered we did very well at this year. A hearty thank you to, Sean K8KHZ and all of the other people that worked to make this years swap successful. Although we were shy a few vendors from the past, we had a good turn out at the doors. All of the hams attending had their equipment desires satisfied, which made the vendors happy. So we can look forward to a good swap again next year.

While on things economic, the budget for next year will be one of the

main topics on the agenda to be consider at the February meeting. This includes the repeater, so be there to make your thoughts count.

We have had some inquires from the city of Sterling Heights about holding ham radio classes for their CERTS group and we are in discussion with them. Also a fifth grade teacher from the city of Detroit has contacted us about helping, an after school group called "Hams and Eggs" get licensed, then to work with them to acquire radios

*(Continued on page 2)*

## OFFICERS &amp; VOLUNTEERS

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## Q R M . . .

*(Continued from page 1)*

and put them on the air. The teacher is very interested and is working on getting her license. She will remain with the group for some time. This could prove to be a very happy endeavor for the Hazel Park Amateur Radio Club. We have looked for a school to sponsor in the past; but we have been unable to get a teacher to sponsor a group of prospective hams.

This month we have also been in contact with the ARRL and have completed all of their requirements to recertify as a Spe-

cial Service Club (SSC). This should be official by the time you read this, a nice little touch to add to the clubs list of credits. Soon Sean K8KHZ will be certified as a HF awards manager, he then can satisfy your paper hanging request for the ARRL.

This month we have the honor of welcoming our very own Ken Krause AD8M who will demystify the common power supply. See you at the meeting and remember bring a friend. Phil AA8KR

## CONTEST CORNER

Welcome to this months edition on Contest Corner. I trust that everyone had a good time working the January contests including the ARRL VHF Sweepstakes, and the NAQP CW and SSB contest. Don't forget to send in your logs.

I would also like to mention that coming up on April 15 is the Michigan QSO Party sponsored by the Mad River Radio

Club. The Hazel Park ARC sponsors a plaque for this event and it is a lot of fun to operate. The Michigan QSO party would make a good first contest for someone that wants to try contesting and also participation from amateurs in State of Michigan help to make it a great contest.

Don't forget to check the rules for these contests and Happy Contesting.

## CONTEST CALENDAR

**February:**

- 4 FYBO (Freeze Your Butt Off) by Arizona SCORPIONS
- 5 SSB Sprint sponsored by NCJ
- 10-11 CQWW RTTY WPX sponsored by CQ magazine
- 12 CW Sprint sponsored by NCJ
- 13-17 School Club Roundup sponsored by ARRL
- 18-19 International DX Contest CW sponsored by ARRL
- 25-26 CQWW 160 meter SSB sponsored by CQ magazine
- 25-26 NAQP RTTY sponsored by NCJ

**March:**

- 4-5 International DX Contest- CW sponsored by ARRL
- 12 RTTY Sprint sponsored by NCJ
- 25-26 CQ WW WPX/CW sponsored by CQ magazine

**April:**

- 15 Michigan QSO Party sponsored by MRRC

## NETS

### Oakland County Amateur Radio Public Service Corp (ARPSC)

Every Thursday at 8 pm on 145.250 MHz/100pl With a Hospital Radio Net on the 4th Thursday of each month  
Web Site: [Http://www.qsl.net/w8oak](http://www.qsl.net/w8oak)

### Sunday Night 2-meter Phone Net

Every Sunday at 9:00 PM local time, (146.64 (-), no PL at net time) catch up on club news and information, and just to keep in touch. All amateurs are welcome to check in.

### NTS Traffic Nets (Alternate location)

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, WI8K.

### 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 KC (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. Joe, K8JRE [jc6otry@moa.net](mailto:jc6otry@moa.net) or Ed, KA8NCH [ed@ellisgen.com](mailto:ed@ellisgen.com) can provide more detail.

## C Q D X . . .

Places to get information on up and coming DX.

- The Daily DX, website of <http://www.dailydx.com/> done by Bernie McClenny, W3UR.
- The Ohio/Penn DX bulletin, see website to get email <http://www.papays.com/opdx.html>
- The 425 DX News from Italian sources—send an e-mail to [425server@425dxn.org](mailto:425server@425dxn.org) with subscribe 425eng. Their website is <http://www.425dxn.org>.
- As an ARRL member you can get mailed the DX bulletin from the ARRL.

Where is all the DX? Lately you may think that the bands are really bad. I have been able to work them on

## TALKING SPACESUIT

Don't be surprised if you hear a signal from a space suit beginning on February 3rd on 145.990 MHz FM. You will not be hearing things. It will be ejected from the International Space Station to test a telemetry and radio beacon system proposed by the Russian Space Agency.

The astronauts on that date will eject an EMPTY space suit containing three batteries, a radio transmitter and internal sensors to measure temperature and battery power. The little empty space suit will transmit to the world on 145.990 MHz as follows: SuitSat (the name of the little experiment) will send a 30 second transmit signal, pause for 30 seconds and repeat. Message is: "This is SuitSat-1 RSORS" followed by prerecorded greeting in five languages. English, French, Japanese, Russian, German and Spanish. Special words will then be sent for students to record and decipher. Awards will be given for students who decode the special words

Next will come telemetry giving temperature, battery power, mission elapsed time sent in plain language English. The space suit talks with a voice synthesizer and is really cool. Transmissions will end with a Slow Scan TV picture of a secret object which listeners and viewers can identify for a prize. (Will the space suit talk with a Russian accent since they created this little fun experiment?)

Find when the space suit is circling over your home area. Look for tracking software data on the [science.nasa.gov](http://science.nasa.gov) website. Click on "J-Pass" hyperlink to get to the Java program. Then, at the top of the page type in your zip code and the program will tell you times it passes over your coordinates.

Frequency is 145.990Mhz so 2 meter FM or police scanner will get the suit with an average to good directional antenna for that band. Tune in to listen for the space suit...it is expected that due to battery depletion and cold temperature in the unheated space suit the radio will die in 2-4 days and go to meet its maker by spiraling out of orbit and burn up in Earth's atmosphere in a couple of weeks or months afterward. Further details can be found at [www.SuitSat.org](http://www.SuitSat.org) or [www.Amsat.org](http://www.Amsat.org) or ARRL Headquarters, SuitSat QSL 225 main Street, Newington, CT 06111-1494

(Continued on page 9)

Gary Sklar KB8IKW

**LOCAL HAMS PREPARE FOR SPRING**



**SKYWARN**

Skywarn is an effort to save lives during severe weather emergencies by expanding networks of spotters and by encouraging the widest possible participation in tornado warning programs.

There is no way to stop tornadoes, and not all tornadoes show up on radar, but they can be seen.

Lives can be saved. Only one instrument can detect a tornado or funnel with complete certainty, the human eye.

We will offer ONE class, with BOTH Basic and Advanced with updated material. The class will last approximately 2 hours plus some time for questions and answers. While new technological and scientific tools have advanced our capability to predict severe weather, the

trained spotter remains essential to our warning process. It goes without saying that the more trained “eyes” we have in the field during a severe weather event, the better our service to you and the public will be. More concern, more spotters, more eyes are needed. Lend us yours - learn SKYWARN!

All interested parties (i.e. fire, police, EMS, security, volunteers, and citizens) are encouraged to attend.

The Oakland County Office of Emergency Response & Preparedness coordinates this program.

Limited space is available, so make your reservations now! Please call (248) 858-5300 to register or Send an email to: [ocem@co.oakland.mi.us](mailto:ocem@co.oakland.mi.us)

Please include your name, address and phone number.

**SPOTTER TRAINING CLASSES**

Wednesday	March 1st	7:00 p.m. - 9:00 p.m.	Oakland County Emergency Response and Preparedness
Tuesday	March 7th	7:30 p.m. - 9:30 p.m.	Covert Center, Waterford
Saturday	March 11th	10:00 a.m. - 12:00 p.m.	Oakland County Emergency Response and Preparedness
Saturday	March 11th	1:00 p.m. - 3:00 p.m.	Oakland County Emergency Response and Preparedness
Wednesday	March 15th	7:00 p.m. - 9:00 p.m.	Groveland Township Fire Department, Station #1
Tuesday	March 21st	6:00 p.m. - 8:00 p.m.	Southfield Civic Center Library

**Oakland County Emergency Response & Preparedness/**

IT Information Technology-Auditorium  
 Campus Drive South (West of Telegraph,  
 Behind Oakland County Farmer’s Market)

**Groveland Township Fire Department**

Station #1  
 14645 Dixie Highway at Grange Hall Road  
 Groveland Twp

**Covert Center**

1150 Scott Lake Road  
 Auditorium, Waterford

**Civic Center Complex**

City of Southfield Library  
 26300 Evergreen Rd / ½ Mile S of I-696  
 or ½ Mile N of 10 Mile Rd  
 Auditorium  
 Follow signs

## DAYTON PILGRIMAGE PLANNED

Join members of the Hazel Park Amateur Radio Club on their annual trip to the Dayton Hamvention scheduled for Friday, May 19-Sunday, May 21. This is regarded as the largest hamfest in the world. To give you an idea of how large it is, I start walking the aisles at 8:00 am Friday morning, and it usually takes until 4:00 pm before I reach the last aisle. (OK, I take a lunch break.) This doesn't include the indoor portion, where the main vendors (ICOM, Kenwood, etc) are located.

Club members receive a discount at the Troy, Ohio Hampton Inn if reservations are made through the club. Hotel reservations are available for the evenings of Thursday, May 18 thru Saturday, May 20 at \$93 per night total including tax. Please use the form, on page 6 and submit with payment to Steve Gladstein N8FH.

The club will have a flea market space (assuming someone volunteers to help me) with covered tent, table, chairs, and a cooler loaded with pop and water. Use it to rest or keep dry incase it rains (that never happens!). My van will be parked next to the tent, and purchases may be

placed in the van for transportation to the hotel so you don't have to carry them on the bus or to the nearby parking lot. Items placed in the van must be relatively clean, dry, and free of wildlife (insects and rodents) and chemicals.

Dayton Hamvention is a great opportunity to mix with club members, other hams you've met on the air, pick up those ham accessories you've been meaning to buy, see that vintage radio you first started with, and attend various ham radio forums.

I need one person who is interested in helping me set-up and tear-down the tent. HPARC will pay your admission to Hamvention, plus we'll be done early, so we can beat everyone else to the good deals. Tent set-up is very easy for two people, but it does require being on-site by 7:00am Friday.

Contact Steve Gladstein, N8FH, for additional information.

## REPEATERS

Contrary to previous reports, the DART is still alive and active. True, the DART Board may no longer exist, but until you kerchunk 146.640 or 443.225 and hear nothing, the DART is still around.

Here's the latest on what is happening. Don/W8PDI is our project manager for the Canton remote receive. He has had this system installed since December, but it isn't quite operational yet. Murray/KE8UM, has to do some tweaking to get it operational. Not sure what is going on, but John/A8UU seems to think there is an issue with the UHF link frequency.

Thanks go out to John/A8UU, Don/W8PDI, and KC8IKW/Joe for their work in Canton. Check in with Murray to find out when he'll get it online.

We'd like to conduct an informal survey of which site you hear when you transmit. Remember, a dit (E) means East side, a dah-dit (N) means North, and a dah-dah (M) means Main. I only hear the east site respond back to me, unless I'm right in front of the main site. What do you

hear? Email your answers to K8DMR/Marsha ([craftygal@comcast.net](mailto:craftygal@comcast.net)), and let us know if you have different results.

The 440 is operating very well. IRLP (Internet Relay Linking Protocol) is still operational, simply by putting in the 4 digit code for the repeater or reflector you wish to connect to. [ed-instructions on page 8] Try the 9250 Las Vegas reflector--there's usually somebody connected there. Another is the 9450 reflector in Dallas, Texas; if nothing else, its fun to hear it id. Remember to ID yourself before and after using the IRLP connection, using 73 to disconnect. Everything you need to know about IRLP can be read at [www.irlp.net](http://www.irlp.net).

Next month I'll have more info on the remote status (I hope to tell you its working 100%), and the new Quantar Repeater Murray is testing our for the main site. Thanks again for using the DART and keeping it the friendliest repeater in town!

Tony N8VR

# HPARC 2006 DAYTON HAMVENTION RESERVATIONS

MEMBER'S COPY - KEEP FOR YOUR RECORDS

Please complete both sections identically, and return to Steve Gladstein.

Hampton Inn  
45 Troy Town Dr.  
Troy, OH 45373  
(937) 339-7801

Located off I-75 at exit 74

Name \_\_\_\_\_ Call \_\_\_\_\_

Thursday, May 18 2006     Friday, May 19 2006     Saturday, May 20 2006  
\$93/1 night \$186/2 nights    \$279/3 nights    Payment due April 12, 2006

Smoking     Non-Smoking  
(Check only if you have a preference - We have a limited number of each type, and I may ask you if the other type is acceptable - if your preference isn't available)

-----  
To be completed by HPARC Administration only:

Paid:     Check     Cash    Amount \$ \_\_\_\_\_    Verified \_\_\_\_\_

# HPARC 2006 DAYTON HAMVENTION RESERVATIONS

HPARC COPY - RETURN WITH PAYMENT TO STEVE GRADSTEIN N8FH

Name \_\_\_\_\_ Call \_\_\_\_\_

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Other Occupant \_\_\_\_\_ Call \_\_\_\_\_

Thursday, May 18 2006     Friday, May 19 2006     Saturday, May 20 2006  
\$93/1 night \$186/2 nights    \$279/3 nights    Payment due April 12, 2006

Smoking     Non-Smoking  
(Check only if you have a preference - We have a limited number of each type, and I may ask you if the other type is acceptable - if your preference isn't available)

-----  
To be completed by HPARC Administration only:

Paid:     Check     Cash    Amount \$ \_\_\_\_\_    Verified \_\_\_\_\_

## CLASSES

**Testing info** – Current charge is \$14. Bring current license and/or CSCE PLUS a copy of said documents, non programmable calculator (formulas stored in your head—no where else), pens, and pencils (with eraser).

### Extra Classes license Class

John K8UP will instruct Extra Class License class beginning February 7, 2006. The class will run as long as it's needed. If you cannot make the first week, call John on 248-542-9573 and let him know. There is no charge for the class; however, you need to purchase (or borrow) the ARRL Extra Class License Manual for Radio Amateurs (Eighth Edition). ISBN: 0-87259-865-9

Oak Park Community Center , 14300 Oak Park Blvd.  
Oak Park, MI 48237 248-691-7555

Class will generally be in room 4 of the community center; however, a different room may be provided based on building needs. Check the building board (by the office) to make sure where it is on a particular night. The rooms are in the east end of the building by the library.

### Technician or General Class

If you or someone you know is interested in Technician or General classes, please contact a board member. They will collect names and let you know when there is enough for a class. Until then,

L'ANSE CREUSE ARC will hold 6-week classes beginning 2/13/06. [See "Around Town" for details—pg 9]

### Exam Help Online

#### Tips

<http://www.arfunk.com/amrad/passexams.html>

#### Practice Tests

<http://www.eham.net/exams/>

<http://www.qrz.com/testing.html>

<http://www.ah0a.org/AHOA.html>

<http://www.aa9pw.com/radio/resources.html>

#### Morse Code

<http://www.aa9pw.com/radio/morse.html>

Morse code trainer <http://www.g4fon.net/>

Load MP3 of code practice onto a flash drive to listen to while not at home

## MINUTES

### JANUARY 11, 2006 MEETING -

The meeting was opened at 7:30pm by Phil AA8KR. Roll call was the next order of business. Phil covered the assignments for our swap; including the set up day Saturday and the swap Sunday. Breakfast will be at Jimi's Restaurant at 9:30am. Everyone who works or attends the swap must pay the entrance fee of \$5.00. This is the only source of revenue we have of any substance each year.

Sean K8KHZ, who has overall supervision for the swap, gave a more in-depth report covering both day, Jeff N8WR is in charge of talk-in on the 146.64 machine (the club repeater). Willie KC8FNQ is in charge of the doors. Jim K8ABZ reminded the people working the doors to be at the school at 5:30am.

Rich N8MQU introduced our guest speaker, Dan KB8AMS. Dan gave an excellent talk and presentation about the military surplus R-390 series receivers.

Steven N8FN asked for reservations for Dayton Hamvention held on the weekend of May 19-20-21. John K8UP will start an Amateur Extra license class possibly in Oak Park, time and to be announced.

Marsha KA8DMR is our new editor for the Zero Beat and the first issues she put out was OUTSTANDING!!!!!! !!! She is asking for people to contribute some article for publication Lets all chip and give her a hand. George K8IKW gave a report about the Skywarn classes.

As a foot note, I would like to personally thank all the members who volunteered to help with the set up on Saturday and Sunday. This was one of the most successful swaps we have had despite less vendors this year.

Willie Neal KC8FNQ  
Secretary, HPARC

### Correction

USECA license tests on the 1st Saturday of each month at the Salvation Army, 55 Church St., Mt. Clemens. Registration is requested: Bill Chesney, N8SA, 810-468-8345.

## IRLP - GATEWAY TO THE WORLD

### HPARC IRLP Node 4502 443.225 (PL 107.2)

Key up on 443.225 and ID	This is [your call]	
When frequency is clear, ID and announce accessing link	This is [your call] accessing the link	
While keying, punch in the 4 digit repeater code for the repeater you want to connect  Allow time for link to connect, then listen for a conversation already in progress.	EXAMPLE: 6702 — BRISBANE QLD Australia 6506 — Gold Coast (440 input) QLD Australia	
If clear, announce your call and location	This is [your call] calling from [home QTH]	
When finished, ID, then clear link by keying 73	This is [your call] clearing the link (press 73)	

**6702 146.700 -600 0 Australia QLDGold Coast VK4WIG**  
**6406 146.575 0 0 Australia QLDBrisbane VK4ACN (or your favorite node)**

#### **Guidelines:**

Nodes vs. Reflectors – Nodes are individual repeaters like ours; reflectors allow multiple repeaters to connect simultaneously. You can connect to a node or reflector and not find anyone. Do not connect to a reflector and then have a local QSO! The point of connecting to remote repeaters is to speak with others who are not local.

*Always pause 1 or 2 seconds after keying/before speaking, and between transmissions. There is a slight delay in digitizing and transmitting the repeater audio to the Internet.*

Be courteous and polite.

Be aware of who you are talking to and what is appropriate discussion, especially with hams in other countries.

Ask questions of the other operator and learn about them.

Try: Reflectors 9250/Las Vegas, 9070/Alaska, 9450/Dallas

Nodes 3592/Nome, 5600/London, 8200/Tokyo, 1000/Vancouver

For a complete list of IRLP repeater nodes, go to [www.irlp.net](http://www.irlp.net).



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

### 4 Feb 2006 **H.A.R.A. Swap and Shop**

Hiawatha Amateur Radio Association Negaunee, MI  
Negaunee Township Hall 42 Hwy M-35

<http://www.gsl.net/k8lod/>

Talk-In: 147.27 (PL 100) Contact: Robert Serfas, N8PKN  
Phone: 906-225-6773 Email: [N8PKN@aol.com](mailto:N8PKN@aol.com)

### 11 Feb 2006 **Annual Swap-n-Shop**

Cherryland Amateur Radio Club Traverse City, MI

Immaculate Conception Middle School

218 Vine Street <http://www.carc.tc>

Talk-In: 146.86 Contact: Joe Novak, W8TVT

Phone: 231-947-8555 Email: [jjnovak@charter.net](mailto:jjnovak@charter.net)

### 13 Feb 2006 **Technician license theory class**

L'ANSE CREUSE AMATEUR RADIO CLUB

Six classes at 7:30 P.M. room 100

L'Anse Creuse High School

38495 L'Anse Creuse Road

Harrison Township, MI 48045-3483

Call L'Anse Creuse district on 586-783-6330 to register  
for free class. Bring a pen or pencil and paper and the  
ARRL Now You're Talking! 5<sup>th</sup> edition study guide.

### 19 Feb 2006 **Livonia Amateur Radio Club**

Livonia, MI Livonia Community Recreation Center

15100 Hubbard Road <http://www.larc.mi.org>

Talk-In: 145.350 (-) Contact: William Johnston, W8WSJ

Phone: 734-673-5071 Email: [swap2006@larc.mi.org](mailto:swap2006@larc.mi.org)

18-19 Feb 2006 **2-day Technician theory class** and  
test and In conjunction with Civil Air Patrol and USECA  
amateur radio club.

Macomb Community College Center campus

44575 Garfield Road, Clinton Township.

Pre-registration required. Class free. Read and bring the  
ARRL Now You're Talking! 5<sup>th</sup> edition study guide.

Saturday class starts at 9:00 A.M. to 5:00 P.M.

Sunday class starts at 9:00 A.M. to 2:00 P.M.

Contact: Scott [wn1b@k8uo.com](mailto:wn1b@k8uo.com)

### 18 Mar 2006 **Crossroads Hamfest**

Southern Michigan Amateur Radio Society, Marshall, MI

Marshall High School, 701 North Marshall

<http://www.gsl.net/w8df> Talk-In: 146.660 (no tone)

Contact: Billy W. Booth, KD8CDS

Phone: 269-965-1415 Email: [SQJUMPER@aol.com](mailto:SQJUMPER@aol.com)

### 8 Apr 2006 **Milford Swap and Shop**

Milford Amateur Radio Club, Highland, MI

Milford High School

2380 Milford Road <http://www.gsl.net/w8ydk/>

Talk-In: 145.49 MHz (PL 67)

Contact: Rose Mary Moore, KC8NQJ

Phone: 810-632-5174 Email: [mboard3106@aol.com](mailto:mboard3106@aol.com)

6 May 2006

### **Cadillac Amateur Radio and Computer Swap**

Wexaukee Amateur Radio Club Cadillac, MI

Cadillac Junior High School

500 Chestnut Street

<http://members.fortunecity.com/wexaukee>

Talk-In: 146.98 - (no tone) Contact: Brian Polk, KC8TXT

Phone: 231-743-6860 Email: [bandb@netonecom.net](mailto:bandb@netonecom.net)

W8HVG Phone: 616-455-3915 Email: [abra@i2k.com](mailto:abra@i2k.com)

If you have any other information, please contact Marsha  
KA8DMR at [ka8dmr@arrl.net](mailto:ka8dmr@arrl.net).

## C Q D X . . .

*(Continued from page 3)*

17M about 10AM EST.

**Awards you can earn —**

**DXCC** - award for working 100 countries. Why not  
show off your hard work and station by submitting your  
contacts to the ARRL.

Submitting them can be done online using the [LOTW](http://www.arrl.org/lotw)  
uploading your log and having QSO's matched up within  
the database, or you can also use your QSL card and have  
them checked by a DXCC checker. In our area AC8W, Stan  
is available to do this.

If you cannot get on the HF bands, you can also get  
your **VUCC**. Check out the criteria for this nice award at  
<http://www.arrl.org/awards/vucc/> I am the Hazel Park  
Radio Club VUCC Card Checker.

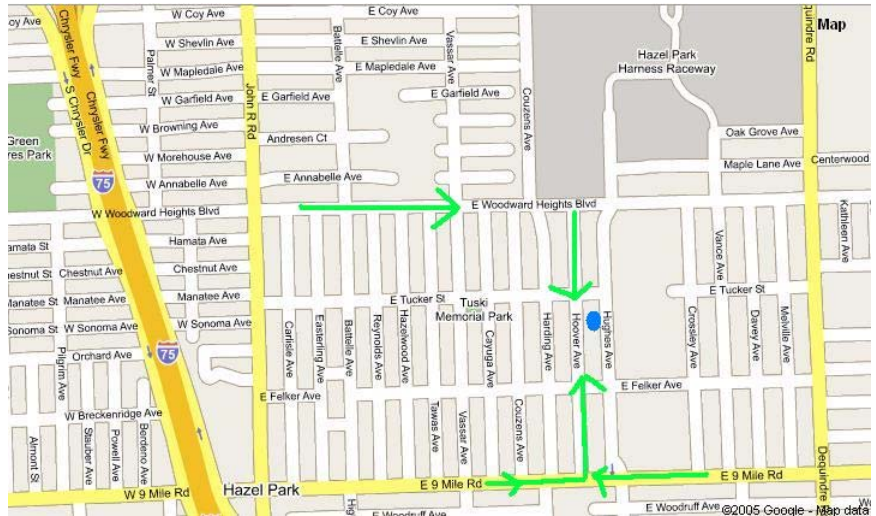
Available from CQ magazine you can earn the **IDX**  
**award**. Read all about it at [http://www.cq-amateur-](http://www.cq-amateur-radio.com/IDX%20Award%20June.pdf)  
[radio.com/IDX%20Award%20June.pdf](http://www.cq-amateur-radio.com/IDX%20Award%20June.pdf) .

Thank you for your time this month.

Sean Fleming K8KHZ

NEXT MEETING

February 8, 2006  
 7:00 P.M.  
 Hoover Elementary School  
 23720 Hoover Avenue  
 (at Tucker Rd.)  
 Hazel Park  
 Between 9 Mile &  
 Woodward Heights  
 (East of I-75)



WE'RE ON THE WEB  
[WWW.QSL.NET/W8HP](http://WWW.QSL.NET/W8HP)



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

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

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