

The Zero Beat

THIS MEETING

May 8, 2013
7:30 P.M.
 (socializing begins at 7)
Hoover Elementary School
23720 Hoover Ave.
Hazel Park 48030

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GENERAL MEETING

The next meeting of the Hazel Park Amateur Radio Club will be held on Wednesday, May 8, at 7:30 PM. We'll elect officers for the 2013-14 year. Nominations will still be taken from the floor during the meeting. For the program, Larry Gauthier K8UT will talk about his experience visiting South Korea and operating as HL9A. Larry got to visit North Korea briefly, but only got on the air from the South.

Come early and visit with fellow hams. Everyone is welcome to come to the meeting and bring a friend. Coffee and donuts will be provided during the break.

Anyone wishing to join the club, please go to the website www.hparc.org. Fill out the membership form and bring a printed copy to the meeting. Membership forms can also be filled out onsite before the meeting.

PRESIDENT'S QRM

May is here and perhaps winter is finally past. At least I am ready for summer and tower climbing weather. Snow on field day would certainly be a bit of a drag. I certainly hope that the weather is good for our May meeting evening, without our club members getting pulled away by Skywarn call ups. Duty comes before meetings, after all.

As for other service opportunities, we have the Oak Apple Run coming up in just a few weeks, and Mike, WD8S has asked for more volunteers to help out with this event. The run was my initial introduction to ham radio volunteering. It

is one of the easiest and most pleasant ways that we can help out.

The actual work consists of being a ready-to-communicate person for a few hours on a Saturday morning, the "training" consists of a gathering at which we are fed good pizza and pop, and we listen to a description of what will happen at the years run. Then we get our assignments, which typically include both a map showing where we will be and a photo depicting the area in detail. The actual work part of the service usually consists of keeping our eyes open watching for problems to occur so that they can be reported

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Banquet Tickets

The annual banquet will be on Wednesday, June 12th, 2013 at 6:30pm at DeCarlo's Banquet and Convention Center in Warren, as it was last year. The cost will be \$20 per person. Tickets will be available from Rey W8REY at the meeting, or a check can be sent to: Kim Cox 5229 Mart Ct. Warren MI 48091. Any questions, call 586-219-6314.

OFFICERS

- **President:** Bill Ketel
N8QVS 248-544-2452
wkettel2@wowway.com
- **1st VP:** Jim Poehlman
K8ABZ 248-310-0086
K8ABZ@arrl.net
- **2nd VP:** Larry Koziel
K8MU 586-770-2545
k8mu@amsat.org
- **Secretary:** Walt Carter
KD8LWC 248-548-4645
pidge4645@aol.com
- **Treasurer:** Bob Lauer
KD8AMP 248 652-4211
rlau6@aol.com
- **Director:** Wes Plouff
AC8JF 248-420-9712
ac8jf@arrl.net
- **Parliamentarian:**
Ed Walton N8LBS
248-649-5851 wal-toned@sbcglobal.net

VOLUNTEERS

- **Technical Coordinator & W8HP Trustee :**
Murray Scott
KE8UM@arrl.net
- **W8JXU Trustee:**
Bill Ketel N8QVS
- **Education/VE Testing:**
Jerry Begel W9NPI
w9npi@comcast.net
- **Contest Mentors:**
Mike WD8S wd8s@arrl.net
Gerry K8GT k8gt@arrl.net
- **Public Information Officer:**
Jerry Begel W9NPI
w9npi@comcast.net
- **LoTW Manager:**
Murray Scott KE8UM
ke8um@arrl.net
- **Newsletter:**
Wes Plouff AC8JF
ac8jf@arrl.net
- **VUCC/WAS Awards Card Checker:** Sean Fleming
K8KHZ k8khz@yahoo.com
- **Siren Tests:**
Marsha Fleming N8FE
248-542-9573
Assist Ed Walton N8LBS
- **Meeting Coffee:**
Bernie Hildebrand W8NBC
- **Donuts:** Rey Bora W8REY
- **Sunday Net:** Bill Ketel
N8QVS 248-544-2452
wkettel2@wowway.com
- **Banquet:** Rey Bora W8REY
rey62@aol.com
- **Field Day Chair:**
John Teagardin, AA8UU
aa8uu@arrl.net
- **HPARC Official Cook:**
Bill Ketel N8QVS
- **Swap:** Swap Chair
Bernie Hildebrand W8NBC
bernieah@hotmail.com
- **Holiday Party:** The Board
- **Webmaster:**
Larry Koziel K8MU
k8mu@amsat.org
- **Oak Apple Run Royal Oak:**
Mike WD8S
- **MS Walk Chair:**
Phil AA8KR 586-838-4139
- **Walk for Babies Chair:**
Jim K8ABZ k8abz@arrl.net

QRM, CONT'D.

(Continued from page 1)

over the radio. So you will need a 2-meter radio that can tune to the net control frequency, which is usually 147.520, but may be some other nearby frequency. And you will need a method to keep the radio powered for at least three hours or more.

Additional details will be provided by Mike in the near future. This is a good opportunity for new members to help out and get to hear the club in action, while gaining some good experience.

May is election month for the HPARC, and it will be interesting to see who the election candidate search team has selected. They have not told me who my opponent will be in the election so that I can start writing my campaign speech. It is not too late to let them know you want to be a candidate and have the chance to help run the club.

This has not been the very happiest time for some of us, though. In March we lost a member, Ralph, KA8YOH, and then in April I lost a friend, Jim, W8WAO, who I believe was a member of the USECA club. You may not have known Jim, but he had been a member of the Rocking Chair net for quite a few years. Then we lost another ham, who had been a member for many years, Bill, N8HFM. Unfortunately I did not get any information about his memorial service until after it had been held. One thing that I did find quite disturbing about Jim's passing was that when I mentioned to his wife that when the time came to sell his ham equipment I would be willing to help her set prices on it, she explained that somebody had purchased the entire collection two days after he died. Not for a whole lot of money either. What sort of vulture would do something like that? Then, making the thing even worse, I remembered this past week that I had loaned Jim a small oscilloscope to monitor his modulation with. That scope was part of what was already gone. I suppose that it should have had my name and call on it someplace, along with a note that it was only being loaned, but I did not think about that at the time. Perhaps if other club members have equipment loaned out they may choose to add some label to avoid this happening to them. I would recommend that.

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HPARC NETS

HPARC Official Sunday Night 2-meter Phone Net

Every Sunday at 9:00 PM local time on the DART repeater, 146.64 (PL 100), catch up on club news and information, and just to keep in touch. All amateurs are welcome to check in.

N8WYO CW net (Medium speed)

Named in memory of Al N8WYO. The net meets Tuesday night at 8:00 PM on **28.028 MHz**. All amateurs are welcome. CW speed fluctuates between 20-25 WPM, but Joe will slow it down if necessary. Listen in at 8 PM sharp!

Wolverine Net

The 75 Meter Wolverine Net meets on 3935 KHz daily at 7:00 PM local time, with pre-net starting at 6:00 PM. You can get details from <http://www.wssbn.com/>

Oakland County ARPSC

Every Thursday @ 8 pm on 146.90 (PL 100). Hospital Radio Net on last Thursday of each month @7:30. (W8OAK-3 will run packet on 147.56 MHz for those wanting to practice and test their equipment) <http://www.arpac.com/>

NTS Traffic Nets

The Southeast Michigan National Traffic System (NTS) net Normally held every night at 10:15 PM local time on the 146.76 (PL 100) repeater. New people are welcome.

Nearby Club Nets on HF

Mon @ 7:30 PM, LCARC 15M CW, 21.165
 Mon @ 8:30 PM, LCARC 15M SSB, 21.395
 Wed @ 7:00 PM, USECA 6M SSB, 50.140
 Fri @ 9 PM, USECA 80M CW, 3.570
 Fri @ 10 PM, USECA 10M SSB, 28.425

QRM CONT'D

(Continued from page 2)

I look forward to seeing everybody at the election meeting on Wednesday, May 8.
 73, from N8QVS

OAK APPLE RUN

The Oak Apple Run will be held on June 1st in Downtown Royal Oak. Pre-meeting will be held on Wednesday, May 29th at First Methodist Church at 7th and Washington at 6:30. I will be sending out Emails to all of last years helpers, so please respond to this email when get it. Also NEW this year is another race. A 5k race is starting at the same time as the 10k. So this means more ops are needed. Buddies, pals who may not be Hazel Park members are welcome.

Please help me get some more op's. Email me at WD8S@Comcast.net I will respond and I know you all will. If you have any question please ask. Also, I will do my best to put you in the same place you were last year. However, a lot of the corners may change. I need everyone's help.

Thanks!

Mike WD8S

RACES AND WALKS

4/28/2013 March of Dimes March for Babies - completed.

From organizer Jim K8ABZ:

I would like to thank the following operators for participating in the March for Babies Walk last Sunday the 28th. Although the walk was small, these operators filled in the gaps to make walkers and the Rest/Stops covered for any problems.

Barbra Hildebrand KD8SAA

Chuck Reed WB8DFU

Gary Lorenz KD8NYB

Many thanks to all!

6/2/2013 I Gave My Sole to Parkinson's 5K Run/Walk, Northville. From Jerry K9NPI:

Barry Kaufman WD8JWM is organizing Amateur Radio operations for this race. He is looking for 17 volunteers with Handi-Talkies. Contact him at kaufman-b@sbcglobal.net or 248-661-6965 for further details. Volunteers receive t-shirts, snacks and souvenirs. This is another early morning race, finishing around noon.

It's not an HPARC event, but it is well worth our support.

C Q D X

T05 Martinique – T05PX Rick will be active holiday from Martinique until 5/4. QSL via AI5P.

6W Senegal – 6V7T Luc, will be active until 5/5. He will operate SSB and PSK. QSL via F5RAV, direct only.

PJ2 Curacao – PJ2/DH2AK Anja and PJ2/DL1THM Torsten will be active holiday style from Curacao until 5/7. They plan to operate SSB on 15-20m. QSL via home calls.

5H Tanzania – 5H3MB Maurizio is still active to 5/8 from Ilembula, Tanzania, while doing volunteer work for the local mission. QSL via IK2GZU.

5U Niger – 5U9AM0 Pierre is active holiday style until 5/30 on 80-10m CW. See www.hb9amo.net/5u9amo.php

V2 Antigua – V25PM Paul will be active holiday style until 5/4. He will operate mainly CW, with some SSB and PSK31. QSL via KB4GYT.

V6 Micronesia – V6H Takio and V6S Keizo will be active from Pohnpei Is. until 5/5, operating 80-6m. QSL V6H via JH3QFL, V6S via JH3AZC. V63XG Haru will be active 5/3-5/11 on 160-6m. QSL V63XG via JA1XGI.

3V Tunisia – A large group of Italian and Tunisian hams will operate TS8TI from Djerba Is. until 5/5. Operation is all modes, all bands including 6 meters. See <http://www.mdxc.org/ts8ti/>.

9M Malaysia – 9M2/SP5APW Jacek will be active from Pulau Perhentian Besar until 5/7. He will operate holiday style 20-10m SSB with some digital. QSL via home call.

A3 Tonga – A35UD Vadym will be active from Tongatapu Is. until 5/7 on 40-10m CW, SSB and RTTY. QSL via UT6UD. A35JP Masa will also be active from Tongatapu 5/5-5/22. He will be active on 80-10m CW and SSB in his spare time. QSL via JAORQV.

VU7 Lakshadweep – VU7KV Krish will be active from the Lakshadweep Islands until 5/5. He will operate 80-10m SSB with some RTTY. QSL via W4VKU.

E5_S South Cook Is. – E51AAO Bruce will be active from Rarotonga 5/3-5/17. He will operate holiday style on 40-10m SSB. QSL via ZL1AAO.

OH0 Aland Is. – Club members from Lyly, Finland, will operate OH0/OI3V from Aland Is. 5/3-5/5. Operation will be on 80-10m. QSL via bureau to OI3V.

SU Egypt – An Egyptian team will be active as SU8N from Nelson's Island 5/3-5/10. QSL info in the QRZ.com listing.

VK9N Norfolk Is. – A team of ten VK hams will operate as VK9NT from Norfolk Is. 5/3-5/12, with four stations on 80-10m. See <http://vk9nt.odxg.org/>.

FR Reunion Is. – A group of local operators will operate TO1PF from the Piton de la Fournaise volcano on Reunion Is. 5/11-5/12. QSL via FR1GZ.

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

For details visit the [WA7BNM Contest Calendar](#) or the [ARRL Contest Roundup](#)

May 2013

4-5 Ten-Ten Spring CW Contest

4-5 ARI International DX Contest (contact Italian stns)

4-5 New England QSO Party

4-5 7th Area QSO Party

4-5 Indiana QSO Party

11-12 Alessandro Volta RTTY DX Contest

11-12 Armed Forces Communications Test, SSB-digital

11-12 CQ-M International DX Contest

11-12 Portugese Navy Day

11-12 Nevada Mustang Roundup (QSO Party)

11-12 EU PSK DX Contest

11-12 King of Spain Contest, CW

18-19 Baltic Contest

25-26 CQ WW WPX Contest, CW

27-28 MI QRP Memorial Day CW Sprint, CW QRP

June 2013

1 Maritime QSO Party

1-2 Alabama QSO Party

1-2 IARU Region I Field Day, CW

1-2 Six Meters Worldwide Club Contest

1-2 Ten-Ten Open Season, digital

1-2 SEANET Contest (Japan)

M O R E D X

9H Malta – A group of Dutch hams will operate 9H25 on 80-6m from Malta 5/18-6/5. They will also use individual 9H3 calls. QSL 9H25 via PI4KGL; for others, use QRZ.com lookups.

OX Greenland – XP2I Henning will be active 5/23-5/27 from Kangerlussuaq Is. He will operate CW only and will participate in the CQ WW WPX CW Contest. QSL via OZ1BII.

YB Indonesia – Ops John and Anton will be on the air as YB8P from Banggai Is. 5/16-5/19, then as YE8P from Togian Is. 5/22-5/26. (No QSL information found.)

ZS8 Marion Is – ZS8C Carson and ZS8Z David will begin operating from Marion Island in mid-May. Both are working at the South African research station on this far south island, and will be on the air in their spare time. Look up QSL information on QRZ.com

FIELD DAY COMING

Here's a heads up for HPARC's annual Field Day operations. Much of this year's field day will be familiar. On June 22 and 23, we will operate multiple stations using generator power from Camp Hazel Woods, near Holly, MI. Setup will be on Saturday morning, followed by operation Saturday afternoon overnight through Sunday afternoon, then teardown at the end of the contest.

Everyone is welcome. Club members, other hams, and even interested non-hams can come out to see the club in action. Once again, there will be a Get On The Air station, so new hams and non-contesters alike will get a chance to participate.

Once again, John Teagardin AA8UU is leading the club's Field Day effort. John needs volunteers for all phases of the event. He will have signup sheets at the regular club meeting, and will no doubt be twisting arms. He promises incremental changes this year to make the event more lively.

The June *Zero Beat* will carry full details.

PROPAGATION TALK AT SEMDXA

The Southeast Michigan DX Association has invited HPARC members to attend its monthly programs. On Friday, May 10, the club will host propagation guru Carl Luetzelschwab K9LA. Carl writes on propagation for World Radio, QST and other magazines, and is a regular speaker at the Dayton Hamvention. He'll have some practical things to say about HF propagation.

SEMDXA meets at Jimi's Restaurant in Royal Oak, same place as our weekly breakfasts. Dinner (optional) is at 5:30 PM, and the meeting begins at 7:30. If you plan to attend, please RSVP to Gerry Treas K8GT, e-mail k8gt@arrl.net, so adequate seating will be available.

Be sure to bring a couple bucks worth of change, in case Jimi's lot is full. On-street parking costs 75¢ per hour, and Royal Oak has strict enforcement.

ON-AIR EVENTS

Stations commemorating special events. Work these for special QSL cards and certificates.

Until 5/24/2013 – PG6KING – Coronation of King Willem Alexander. Also several other special event calls in May celebrating the Netherlands' new king.

5/1-31/2013 – G75FOC – First Class CW Operators' Club 75th anniversary. Stations in the UK, USA and other countries will operate with special "FOC" call signs to celebrate the club's anniversary. Certificates available for working several stations, on CW, of course. See <http://www.4foc.org>.

5/3-5/2013 – W8FO – Battle of Fort Meigs, 1813. Operating from Toledo, OH, 1400-2200Z on 3.965 7.245 14.225. QSL via W8IQ.

5/4/2013 – W8VP – Hopalong Cassidy Centenary. Operating from Cambridge, OH in celebration of William Boyd a.k.a. Hopalong Cassidy, born 100 years ago. See <http://www.w8vp.org>.

5/18-19/2013 – Armed Forces Day – W2GSB Farmingdale, NY; W9DUP Wheaton, IL; W5I Sherman, TX; others. Celebrating our men and women in uniform.

5/20-26/2013 – W9IMS – Indy 500 Special Event. Indianapolis Motor Speedway ARC operating on 3.840 7.240 14.245 21.350. See <http://www.w9ims.org>.

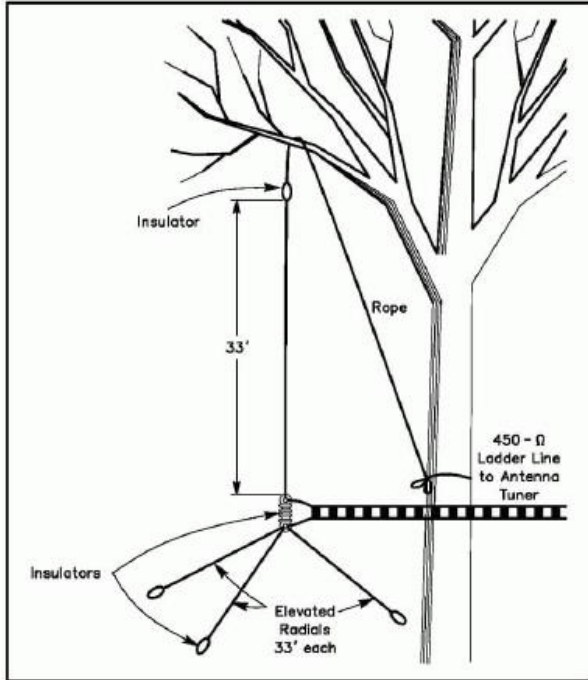
6/1-2/2013 – Museum Ships Weekend. Over 80 ships, memorials and ship museums will be active, including USA, Canada and DX. Michigan stations include K8F SS Edmund Fitzgerald, K8M SS Daniel J. Morrell, W8AGB Cutter Mackinaw, K8B SS Carl D. Bradley, N8LST LST-393, W8CJQ SS Milwaukee Clipper, KS8B SS City of Milwaukee and N8SUB USS Silversides. See <http://www.nj2bb.org/museum/index.html>.

The 3830 contest score reporting service has changed again. Originally a 75 meter net, then an e-mail mailing list, it has now moved to its own web site: <http://www.3830scores.com/>. It now includes a 10 year searchable archive of scores.

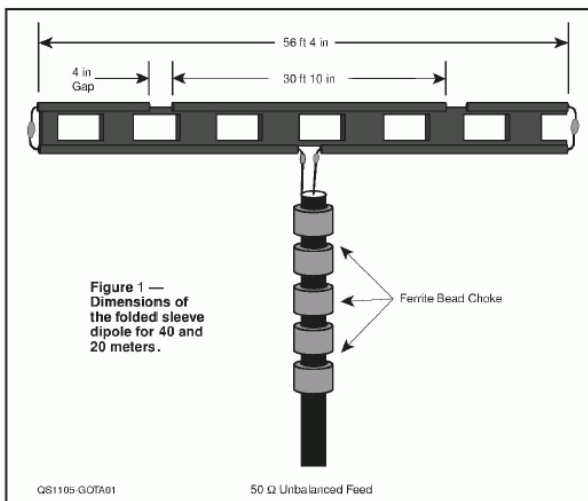
SOME SPRING ANTENNA PROJECTS

By Wes Plouff AC8JF

With warm weather finally here, it's time to get outdoors and work on antennas! The existing ones can get cleaned, tightened and perhaps retuned. There's always room for one more antenna, though. Here's a roundup of five projects that caught my eye.



Above: W1AB 40 meter vertical. Below: W1ZR Folded Skeleton Sleeve antenna for 40 and 20 meters. QST illustrations copyright ARRL, reprinted by permission.



40 Meter Vertical

Getting the nice, low radiation angle of a vertical antenna need not involve lots of aluminum and a thousand feet of buried radials. Al Brogdon W1AB built what he called "A Simple Killer Antenna," published in the June 1999 issue of QST. The idea is simple: get a rope over a tree branch at least 45 feet up, then haul up a 33 foot vertical wire. The antenna is completed by three 33-foot horizontal radials as a counterpoise, tied off well above ground level. Al used 450-ohm ladder line and an antenna tuner to feed the vertical; it could be improved with a matching circuit at the base of the antenna.

Two-Band Folded Dipoles

Joel Hallas W1ZR found a good use for 450-ohm ladder line: two-band antennas. As shown in the diagram, the lower wire and the outer parts of the upper wire serve as a partially folded dipole on the lower band. The center section of the upper wire acts as a parasitic radiating element on the higher band. Because the antenna is folded, the antenna is shorter than a simple wire dipole. In his first QST article, Joel shows a 40/20 meter dipole only 56 feet long. Response to this idea prompted him to write a second article with dimensions for other bands. An 80/40 meter dipole built this way measures only 111 feet, while 17/12 and 15/10 are 24 feet and 20 feet respectively.

Both articles (and a correction) were published in QST and have "Skeleton Sleeve" in their titles. ARRL members can retrieve them and the vertical article by going to <http://www.arll.org/qst>, then searching the "print archive" for title keywords.

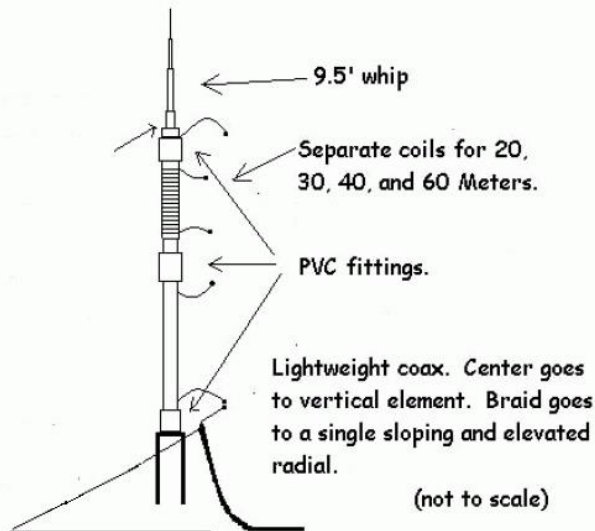
Homebrew Buddistick

Budd Drummond W3FF invented the Buddipole family of portable antennas. What may surprise people is that he has published plans for homebrew versions. A good antenna for setting up anywhere is the Buddistick, a 10 foot loaded vertical with a single wire counterpoise. In different configurations, it covers 10 to 60 meters. The counterpoise coils up on a kite string winder for storage. Budd recommends using a fiberglass painter's pole as a collapsible mast under the antenna. Full details can be found by going to

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ANTENNA PROJECTS CONT'D

<https://sites.google.com/site/w3ffhomepage/>, then clicking on "Homebrew Buddistick Plans." Budd is happy to help homebrew builders by e-mail.



Above: homebrew Buddistick. Illustration courtesy W3FF, reprinted by permission

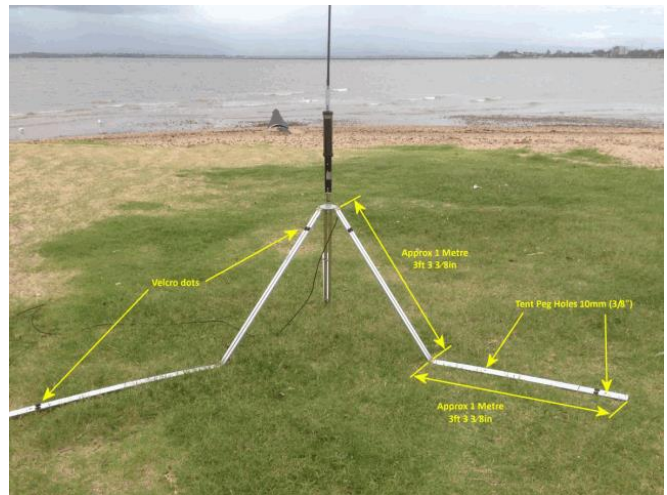


Phil AD5X holding his vertical antenna in collapsed form, ready for storage. Photo courtesy AD5X, reprinted by permission.

Collapsible Vertical

How about a multiband vertical that collapses for easy transport? Phil Salas AD5X devised a 15-foot vertical that collapses into 20-inch pieces, small enough to haul around in a bag. Building the antenna requires working

with brass rod and fittings. When finished, it features a built-in lawn spike and a matching section for a 50-ohm feed. Phil operates the antenna with six 15-foot radials he just lays on the ground. For details look at <http://www.ad5x.com/images/Articles/VerticalRevH.pdf>.



VK4ICE portable tripod in use, ocean view optional. Photo courtesy VK4ICE, reprinted by permission.

Collapsible Tripod

Marsha N8FE recommends this tripod base from Down Under, by David Tavener VK4ICE. The tripod allows portable operation of a mobile antenna raised about three feet off the ground. It's built using aluminum flat and angle bar stock and brass door hinges. The assembly collapses into a bundle three feet long. The legs are held in their folded position by Velcro dots. There's a little bit of metalworking needed for the center mounting plate. In use, the legs of the tripod are staked into the ground for stability. David claims no radials or counterpoises are needed, but also has not tried using ground radials. Plans can be found at

http://www.vk4ice.com/pdf/Homebrew_Outpost_Tripod.pdf.

While all of these look intriguing, my first choice will be to use up some of that open wire line bought at hamfests, getting a signal out on 17 and 12 meters. These "WARC" bands are promising — lots of DX, no contests, and a more relaxed pace than 20.

MEETING MINUTES – MARCH 2013

The meeting was called to order by the President, Bill N8QVS at 7:30 PM.

There were no license upgrades reported.

The club welcomed 3 visitors, Ronald Carrier KD8SBL, Giuseppe Molinaro KD8TXN and Penni Wood.

Introduction of all attendees was conducted.

The proposed FY 2014 budget was presented by Bob KD8AMP. After a short discussion, a motion was made by Marsha N8FE to accept the budget. The motion was seconded by Rey W8REY. The motion passed by voice vote.

Candidates for club officers were solicited by Murray KE8UM.

Mike WD8S made a brief announcement about the Oak Apple Run to be conducted 1 June 2013 from 6:00 to 10:00 AM.

A break was held.

A presentation about Arc Flash Management was made by Ken AD8M. Ken's presentation was nothing short of outstanding and very informative. Ken's slides and animations were excellent and combined with his knowledge of the subject held everyone's attention throughout the presentation.

A motion was made and seconded to accept the minutes of the March meeting as posted in the Zero Beat newsletter. Motion passed by voice vote.

Treasurer's report was presented by Bob KD8AMP. Motion made and seconded to accept the report subject to audit. Motion passed by voice vote.

ANNOUNCEMENTS:

A donation was solicited for the Hoover Elementary School Kindergarten Library Fund. Contributions amounted to \$55.30 which will be presented the Kindergarten teachers.

Gerry K8GT made an announcement about the Southeast Michigan DX Association organization.

Rey W8REY made an announcement requesting more members to attend the club banquet.

Field day will be 22 and 23 June this year at Hazelwood. More info will be available in the Zero Beat.

Murray KE8UM presented the club with a Worked All States Certificate for W8HP.

First VP Jim K8ABZ gave the following statistics about

club membership: Average age, 64; oldest, 91; youngest, 36. Licenses by class: 3 Advanced, 68 Extra, 26 General and 7 Technician. Total membership is 104.

Jim also request help for the walk to be held Sunday 28 April at Oakland University Campus.

Jon KE8CU will be starting CW class/practice soon, details will be in the Zero Beat.

Tony N8VR gave an update for the Repeater Board. Details are available on the club forum.

The radio drawing was won by Larry K8MU

HPARC board meeting is 7:00 PM Wednesday 17 April 2013 in the teacher's lounge at Hoover Elementary School.

Club officers present: President Bill N8QVS, 1st VP Jim K8ABZ, Treasurer Bob KD8AMP, Parliamentarian Ed N8LBS, Secretary Walt KD8LWC, Director Wes AC8JF. 2nd VP Larry K8MU excused due to out of town business commitment.

Respectfully submitted, Walt KD8LWC

BILL WADDELL N8HFM-SK

HPARC has learned that long-time member N8HFM, of Fraser, Michigan, passed away in April 2013.

Bill Waddell, sometimes known as Grumpy, had been a member of the HPARC for over 25 years, but due to health issues, dropped out as an active member a few years ago. Bill was one of the Elmers that did the Novice training and testing in the 80s and 90s. A wounded veteran of the Viet Nam war, Bill suffered most of his life from back pain, and in the last few years had to give up his passion, golf.

Bill is survived by his son. No service is planned.

John Lewandowski WD8R

H A M F E S T S

5/04/2013 Cadillac Hamfest 8-12

Cadillac Jr. HS, 500 S. Chestnut St, Cadillac, MI

<http://www.wexaukeearc.org/>

Talk-In: 146.98 (no PL)

5/17-19/2013 Dayton Hamvention 8-5, Sun. 8-1

Hara Arena, 1001 Shiloh Springs Rd, Dayton, OH
Free parking at Salem Mall, 5200 Salem Rd, Dayton
(+ paid shuttle bus); some paid parking near arena

<http://www.hamvention.org>

Talk-In: 146.94, 146.64 (both PL 123.0), 7.258 SSB

6/01/2013 IRA Grand Rapids Hamfest 8-12

Hudsonville Fairgrounds, 235 Park Avenue, Hudsonville

<http://www.w8ira.org/2013%20Hamfest.pdf>

Talk-In: 147.16 (PL 94.8)

6/02/2013 Chelsea Radio Swap 'n Shop

Chelsea Fairgrounds, 20501 Old US Highway 12

(I-94 to M-52 Chelsea exit, then north 3/4 mile)

Talk-In: 145.45 (PL 100)

Dayton Stories Wanted for Zero Beat

Going to Hamvention? Send your stories to the editor at ac8jf@arrl.net for the June *Zero Beat*. Let the club know what you saw that was good, bad, oddball or really nifty. Items should be one sentence to a few paragraphs long. Photos are welcome, too!

A R O U N D T O W N

HPARC Buddy Breakfast every Saturday @ 9 AM (or so)

Jimi's Restaurant, 714 South Washington Ave, Royal Oak
(across from OCC). Lots of spaces in Jimi's parking lot, and street parking is free until 11 AM.

Oakland Co. ARPSC Siren Testing, 1st Saturday @ 1 PM

Pre-net on the DART Repeater, 146.640, around 12:30 PM. Contact Marsha N8FE for assignments.

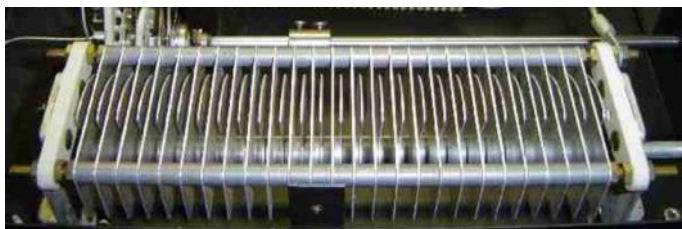
Macomb Community College Electronic Lab

Now 4th Wednesday of each month from 7-10 PM.

12 Mile & Hayes Rd. (Bldg "S" - Room S135) Extensive collection of equipment to use/learn plus a ham radio station to use and a big 3 element HF Yagi antenna on the roof of the building. Hams are invited from all clubs.

Amateur Radio License Testing

HPARC and the City of Oak Park offer amateur radio license testing on the first Tuesday of even months at the Oak Park, Michigan Community Center (14300 Oak Park Blvd, Oak Park, MI 48237) beginning at 7:30 PM.



U S E F U L W E B S I T E S

Which direction should I point my beam? These web sites produce information customized to your location.

Your latitude/longitude: Go to <https://maps.google.com/> and zoom in on your QTH. Right-click and select "Drop LatLng Marker" to see your coordinates. For instance, the HPARC meeting site is located at 42.467N, 83.092W.

Beam Headings: North Jersey DX Assn, <http://www.nidxa.org/dx-tools/beam-headings.php>. From southeast Michigan, 3A Monaco should have a short path heading of about 54 degrees, and 3D2 Fiji 263 degrees.

Great Circle Maps: http://www.wm7d.net/az_proj/az_html/azproj_form_short.shtml
<http://ns6t.net/azimuth/azimuth.html>

Also, here are some location aids not centered on any one place.

Ham Prefix Maps: <http://www.mapability.com/ei8ic/maps/prefix/>

Prefix Assignments: <http://www.ac6v.com/prefixes.htm> is a comprehensive list with details down to the state and province level.

MARK
ROY
CROSS
ROADS

2013 DATES

May 8

TIME

Socializing @ 7:00 PM

Meeting @ 7:30 PM

PLACE

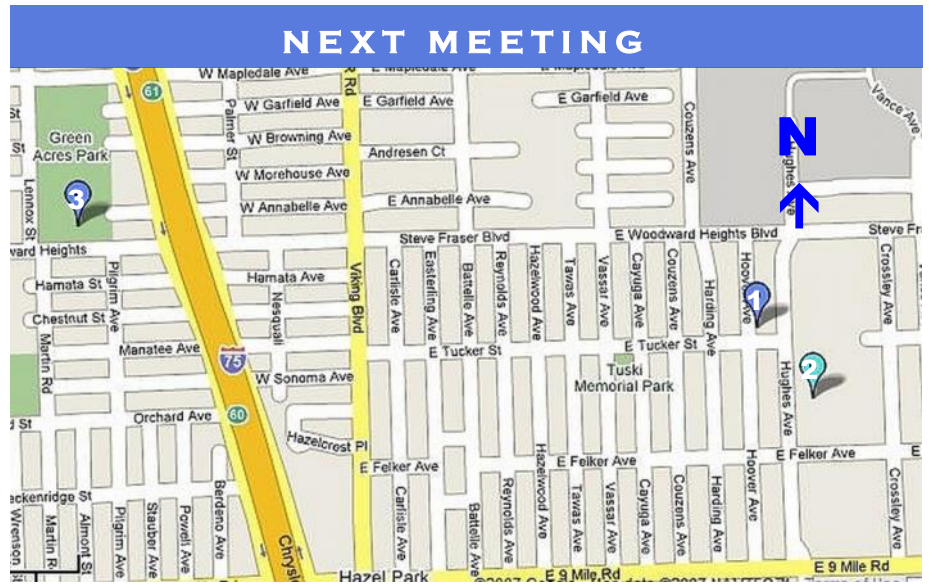
Hoover Elementary School

23720 Hoover Ave.

Hazel Park 48030

BANQUET

June 12

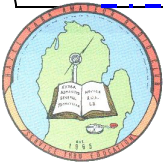


1 Meeting 2 Swap 3 Picnic



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?