



# The Zero Beat

## THIS MEETING

**February 14, 2018**  
**7:30 P.M.**  
**UFCW Hall**  
**876 Horace Brown Dr.**  
**Madison Heights, MI**

## CONTENTS

Around Town	4
Contests	4
General Meeting	1
Hamfests	4
Hamvention Bus	2
HPARC Swap Pictures	3
Meeting Minutes	6
New Member	3
Nets	4
Officers/Volunteers	2
QRM	1
Remote Operation	5
Siren Net	3

## GENERAL MEETING

The next meeting of the Hazel Park Amateur Radio Club will be held on Wednesday, February 14, at 7:30 PM. Socializing starts around 7:00 PM. We meet at UFCW Hall, 876 Horace Brown Dr, Madison Heights. The location is south of 13 Mile Rd, between John R and the I-75 freeway. Turn south at the stoplight at Barrington St, then just before the dead end sign, turn right onto Horace Brown Dr. Parking is in the first lot on the left. Enter the building on the east side.

This month we will have two short presentations. Bill Ketel N8QVS will show "How to Install a PL259 Coaxial Connector with Low Cost Tools." Bill is a long-time HPARC member with an Extra Class license. He is also the Chief Cook at Field Day and the DART Picnic. Les Shuman KF8UU will discuss "Attracting Youth to Amateur Radio." Les is active in HPARC and also holds an Extra Class license.

Come early and visit with fellow hams. Everyone is welcome to come to the meeting and bring a friend along. The coffee will be hot when you arrive. Donuts will be provided during the break.

Anyone wishing to join the club, please go to the club website, [www.hparc.org](http://www.hparc.org). Fill out the membership form and bring a printed copy to the meeting. Membership forms can also be filled out before the meeting starts.

## PRESIDENT'S QRM

## OFFICERS

- **President:** Jonathan  
"JD" Devine KD8VXZ  
248-821-3045  
[therealjd@live.com](mailto:therealjd@live.com)
- **1st VP:** Marsha Fleming  
N8FE [n8fe@arrl.net](mailto:n8fe@arrl.net)
- **2nd VP:** David Koch  
AA8IK  
[davidpkoch@comcast.net](mailto:davidpkoch@comcast.net)
- **Secretary:** Reuven  
Gevaryahu KB3EHW  
[kb3ehw@arrl.net](mailto:kb3ehw@arrl.net)
- **Treasurer:** Robert Lauer  
N8REL [rlau6@aol.com](mailto:rlau6@aol.com)
- **Director:** Bill Ketel N8QVS  
[n8qvs@arrl.net](mailto:n8qvs@arrl.net)
- **Parliamentarian:**  
Hugh Boyle KE8BED  
[photoink7@hotmail.com](mailto:photoink7@hotmail.com)

## VOLUNTEERS

- **Technical Coordinator & W8HP Trustee :**  
Joe Raznik WB2ADX  
[Joe.Raznik@nbcuni.com](mailto:Joe.Raznik@nbcuni.com)
- **W8JXU Trustee:**  
Bill Ketel N8QVS
- **Education/VE Testing:**  
Jerry Begel W9NPI  
[w9npi@comcast.net](mailto:w9npi@comcast.net)
- **Contest Mentors:**  
Mike WD8S [wd8s@arrl.net](mailto:wd8s@arrl.net)  
Gerry K8GT [k8gt@arrl.net](mailto:k8gt@arrl.net)
- **Public Information Officer:**  
(open)
- **LoTW Manager:**  
Murray Scott KE8UM  
[ke8um@arrl.net](mailto:ke8um@arrl.net)
- **Newsletter:**  
Wes Plouff AC8JF  
[ac8jf@arrl.net](mailto:ac8jf@arrl.net)
- **Webmaster:**  
Jim Haslett N8NZB  
[haslettj@gmail.com](mailto:haslettj@gmail.com)
- **Siren Tests:**  
Marsha Fleming N8FE  
248-320-9962  
[n8fe@arrl.net](mailto:n8fe@arrl.net)
- **Meeting Coffee & Donuts:**  
Brenda White KD8SGB
- **Sunday Net:** Bob N8REL  
Lee KD8TBC  
Bill N8QVS
- **VUCC/WAS Awards Card Checker:** Sean Fleming  
K8KHZ [k8khz@arrl.net](mailto:k8khz@arrl.net)
- **Banquet:** (Open)
- **Field Day Chair:**  
John Teagardin, AA8UU  
[aa8uu@arrl.net](mailto:aa8uu@arrl.net)
- **HPARC Official Cook:**  
Bill Ketel N8QVS
- **Hamfest Chair:** Hugh Boyle  
KE8BED (248) 755-6094  
[HazelParkSwap@gmail.com](mailto:HazelParkSwap@gmail.com)
- **Holiday Party:** The Board
- **Oak Apple Run Royal Oak:**  
Mike Van Buren WD8S  
[wd8s@arrl.net](mailto:wd8s@arrl.net)

## HAMVENTION BUS




It's not too early to start thinking about the Dayton Hamvention, scheduled for May 18-20 in its new home at the Greene County Fairgrounds in Xenia, Ohio. Tickets are already on sale at <http://hamvention.org/>, \$22 in advance or \$27 at the door.

Last year's Hamvention was a marked change, going from the dingy Hara Arena to the county fair atmosphere of Xenia, complete with fresh air, much better food and, yes, rain and mud. Attendance was over 29,000, the best in years.

For those not willing to drive 4-1/2 hours each way, and deal with scarce hotel rooms, two local clubs are again offering one-day bus trips on Saturday.

USECA has chartered a bus leaving from the Wal-Mart at 14 Mile and Van Dyke Rds, Sterling Heights, at 4 AM on May 19. The bus returns from Xenia at 5 PM. Cost is \$55 round trip, non-refundable. The vehicle will be a tour bus with comfortable seats and power at every seat.

To reserve a spot, go to <http://usecaarc.com/> and look for a registration form in the latest USECA Express newsletter. Alternately, contact Ken Coughlin N8KC at [n8kc@arrl.net](mailto:n8kc@arrl.net) or 248-652-1187.

The ARROW club has also chartered a tour bus, leaving at 5 AM from Pioneer High School, 601 West Stadium Blvd, Ann Arbor. The ARROW bus will feature a continental breakfast with coffee served enroute. Riders can also sell equipment at the ARROW table in the flea market. Tickets are \$55, rising to \$65 starting April 1. To purchase a seat, go to <https://w8rp.org/activities/dayton-bus-trip/>

Both buses offer no-hassle travel and luggage space to bring back goodies you buy.

## 2018 HPARC SWAP PICTURES



Despite worries about the numbers of buyers and sellers who would attend the January Hazel Park Swap in a down season for hamfests, our smaller space was crowded with tables and buyers. Good weather helped bring out a cheerful crowd. The biggest complaint heard was that everything was squeezed in too tightly.



The VE session was a success, with 15 people getting new or upgraded licenses.

Congratulations to Hugh KE8BED for pulling off another successful event!



### SIREN NET

*By Marsha Fleming N8FE*

Welcome spring!! Yes I know we have almost a foot of snow on the ground but we are starting the Siren Test season. First Siren Test is March 3 at 1300. If you are already on my list, I will be emailing you for the March siren test. I am assigning sirens near your house for this one. Please say yes.

The April siren test will be during Severe Weather Awareness Week, NOT the first Saturday. I will need anyone available to help with that siren test. Please let me know if you can observe a siren on Wednesday, April 11, 2018



**NEW MEMBER**  
**WELCOME**  
**BRIAN MOE**  
**K8MOE**

## CONTESTS

### February 2018

3 Minnesota QSO Party  
 3-4 Vermont QSO Party  
 3-4 10-10 Int. Winter Contest, SSB  
 3-4 British Columbia QSO Party  
 9-11 YLRL YL-OM Contest  
**10-11 CQ WW RTTY WPX Contest**  
 12-16 ARRL School Club Roundup  
**17-18 ARRL Inter. DX Contest, CW**  
 17-18 AWA Amplitude Modulation QSO Party  
**23-25 CQ 160-Meter Contest, SSB**  
 24-25 South Carolina QSO Party  
 24-25 North American QSO Party, RTTY  
 25-26 North Carolina QSO Party

### March 2018

3-4 ARRL Inter. DX Contest, SSB

## HAMFESTS

### 2/18/2018 Livonia Swap & Shop 8-12

Civic Park Senior Center, 15218 Farmington Rd (at 5 Mile),  
 Livonia  
 Talk-in: ??  
<http://www.livoniaarc.com/index.php?page=swapshop>

### Upcoming

3/17 Crossroads Hamfest, Kalamazoo  
 3/18 TMARA Hamfest, Perrysburg (Toledo), OH  
 4/29 GMARC Swap & Shop, Madison Heights

## AROUND TOWN

### HPARC Buddy Breakfast every Saturday @ 9:00 AM (or so)

**Star Family Dining**, *new location!*, 26623 John R Rd, Madison Heights, one block south of 11 Mile Rd. Come for the socializing – we're likely to be at the big tables in the back. Park in the restaurant parking lot.

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

**March through November** except in April. Contact **Marsha N8FE** at [n8fe@arr.net](mailto:n8fe@arr.net) to be assigned a siren to test.

### Amateur Radio License Testing

HPARC and the City of Oak Park offer amateur radio license testing on the **first Tuesday of even-numbered months** at the **Oak Park, Michigan Community Center** (14300 Oak Park Blvd, Oak Park, MI 48237) beginning at 7:00 PM. Contact Jerry W9NPI at [w9npi@arrl.net](mailto:w9npi@arrl.net)

## 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.

### Oakland County ARPSC

Every Thursday @ 8 pm on 146.90 (PL 100). Hospital Radio Net on the 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.arpdc.com/>

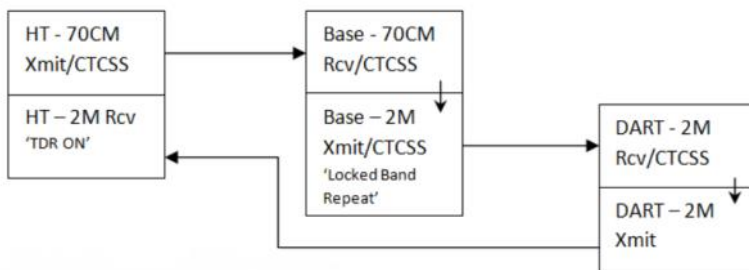
## REMOTE BASE OPERATION WITH AN HT

By David Koch AA8IK

Do you like the idea of accessing the Dart Repeater with your dual band hand held transceiver to free yourself from sitting at your dual band base station? Can you hear the Dart Repeater but your five watt handy talkie transmit signal is too weak to effectively bring up the Dart Repeater? If you have these conditions, a solution, i.e. remote base operation, may be waiting for you to utilize. The 'remote base' solution provides a 'wireless microphone' to your operation.

One implementation of a 'remote base' requires a dual band 70cm/2m handy talkie and a dual band 70cm/2m base station capable of 'locked band repeat' mode. This solution allows utilization of the antenna and full power of your base station at a significant distance between your handy talkie and your base station. The repeater is activated by the 70cm transmission received by the base station and then repeated by the base station on the 2m band set to the Dart Repeater input frequency. The Dart Repeater output is heard on your handy talkie on the 2m band.

The RF Signal Flow Diagram



Some logistics to consider:

The handy talkie transmission is an auxiliary transmission to a remote base that needs to be identified by your call sign. Your call sign is heard on the 70cm output of your HT and the 2m output of your base station.

A remote base operates under the rules for remotely controlled stations. The operator is the control operator and must be able to control and shut the station down if there is an issue. An auxiliary station is a closed system

and may be put on the air by all hams except Novices. An auxiliary station may only transmit on frequencies 2 m and shorter wavelength bands, except the 144.0-144.5 MHz, 145.8-146.0 MHz, 219-220 MHz, 222.00-222.15 MHz, 431-433 MHz, and 435-438 MHz segments [97.201 (b)].

For additional information -

<http://www.arrl.org/auxiliary-station-faq>

Ensure the 70cm HT transmission does not cause interference and the 70cm base station input is under your control. To do this, use a low power setting and a 70cm frequency with a receive mode CTCSS tone that is not used by the local repeaters.

Example HT and Base Station Pictures:



Enjoy the Dart Repeater with your 'wireless microphone'!

**JANUARY 2018 MEETING MINUTES**

Meeting called to order at 7:30pm by President, JD KD8VXZ.

Pledge of allegiance said

Introductions were made

3 new licenses—Cort Halmi KE8IHS, Dana Lester KE8IHT and Brian Moe K8MOE

Marsha N8FE—check if you owe dues, the list is at the sign-in table.

David Koch AA8IK (& son, who was unable to make it)- presentation on Arduino

Coffee & doughnut break

Treasurer report: We are doing a lot of swap spending, so got \$900 in income but spent \$4200. It is expected to be like that. Also spent more money than the past on repeater repairs/upgrades. Also money for Great Lakes swap. Usually we are in the black after our swap. Still have \$5813 in bank, and have half the year to go.

Education - Jerry W9NPI- 3 classes, got good sign-ups for tech & extra but light for general (1 signup so far- spread the word!). Last year gave exams to 70 people. 44 technicians, 14 generals, 8 extras. We plan an exam at the swap and 1st Tuesday in February in Oak Park as usual.

JD - Ken's AD8M wife passed; memorial at Edward Swanson on Friday 2:30 - 8pm. Moment of silence.

Hugh - Swap update- we are behind last year on table registrations, and might end up losing money. All the swaps have been down this year. Should we cancel and reschedule? Or maybe do another time of year? Or have half the facility?

Discussion - Various people gave their opinions of whether to cancel/reschedule or continue as planned. If we change date in the future we would need to talk to vendors and other clubs. Also antique radio swap overlaps our weekend- gets 1500 people. Same with Winter Field Day. Perhaps combined clubs swaps in the future, if this downward trend continues? Murray KE8UM — Motion we have the swap as scheduled with half the room, Steve N8FH seconded, passed.

Board meeting at high school next Wednesday

David AA8IK - Next month presentation on grounding/bonding. (Secretary note- This has changed)

Meeting closed 8:57

Radio raffle- Winner - KE8CEH

Respectfully submitted,

—Reuven KB3EHW

Secretary

MARK YOUR CALENDAR

**2018 Meetings**

- February 14
- March 14
- April 11
- May 9

**TIME**

Socializing @ 7:00 PM  
Meeting @ 7:30 PM

**PLACE**

UFCW Hall  
876 Horace Brown Dr.  
Madison Heights 48071



**Meeting and Swap location**



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



Scan this QR code to visit the HPARC web site

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