



Hamtrix

Volume 55, Issue 9 September, 2010

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The President's Shack

by Howard Smith,
WA9AXQ

I am happy to announce the winner of the 2010 West Allis Radio Amateur Club's Dave Knaus, N9QA, Memorial Scholarship, is Eric Haskins, KC9JVH. Eric is from Elkhorn, WI, and will be a freshman at Milwaukee School of Engineering this fall. His major will be software engineering. Congratulations, Eric.

The WARAC 2Meter Repeater Net has a new home. We will be using the MATC RC repeater on 147.045. It has a PL of 127.3, and the offset is +600.KHz. This has been tried a couple of times, and has worked out very well. Remember, the net meets at 7:00pm on the first, third and fifth Tuesdays of the month. Why not stop by and say, "Hi".

The Annual Awards Dinner is on Sunday, November 14th, at 5:00pm at The Machine Shed in Pewaukee. The signup sheet is in this month's Hamtrix, and I encourage you to bring the form and your check or cash and give it to Chuck, WB9PUB, the club treasurer. Please mark

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Meetings & Events



September 14
Club Meeting
Home Brew Challenge

by Chuck Craven, WB9PUB
7:00 PM Church Basement

September 28
Board Meeting

7:00 PM Church Basement

October 3
Material Due for Next
Hamtrix

October 12
Next Club Meeting

November 14
Annual Awards Dinner

Home Brew Night—September 14

Bring a project to demonstrate at this club meeting.

To kick off the upcoming Home Brew Challenge, please bring a past home brew project to this meeting. Be prepared to give a short description of your project.

Also, start thinking about your project for this new Challenge. See Chuck's article on page 3 and talk to him about your plans.

2010 Scholarship Winner Announced

Congratulations to this year's winner of the WARAC's Dave Knaus Memorial Scholarship, Eric Haskins, KC9JVH. Eric is from Elkhorn, Wisconsin and will be a freshman this fall at Milwaukee School of Engineering, seeking a degree in Software Engineering. He was home schooled and has taken classes at Gateway Technical College. Eric has a Technician license and has 2 meter capability.

Stay tuned for more about Eric as it becomes available.

Important Meeting — October 12

Election of Officers - and -
Program by Dave Schank, KA9WXN
Digital TV - An Update



From the Minutes...

By Lynn Tamblyn, K9KR
Secretary

**Minutes of the General Meeting
August 10, 2010**

The meeting was called to order at 7:11 PM by President Howard Smith.

Visitor– Jim Kehoss, KC9RNY introduced himself. Members then introduced themselves.

New Member – the membership approved Jim Kehoss, KC9RNY, as a new WARAC member. Welcome aboard Jim.

Minutes – By motion, minutes were approved as published in the latest issue of Hamtrix.

ANNOUNCEMENTS

Fond Du Lac Radio Club Picnic – an announcement was made that the FDL ARC had extended an invitation to attend to members of WARAC. The picnic is to be held August 14. There is a map and information in August Hamtrix for those interested.

Awards Dinner – The WARAC annual dinner is going to be held November 14. Mark your calendars and plan to attend.

Nominating Committee – Howard indicated that he was still looking for a second person for the committee. He mentioned that the board representative was Chuck, W9WLX. Nominations will be needed for the October election meeting.

September Homebrew Night – Charles Craven, WB9PUB, encouraged club members to bring in homebrew projects for our September regular meeting. He also spoke about his “homebrew challenge project,” that is to kickoff at that meeting. He will be doing a Hamtrix article about the rules.

Two Meter Club Net - WARAC has been offered the use of a 2M repeater for the off-week 2M nets. The repeater is on 147.05. After discussion, it was decided to try

the repeater during the Aug 17 net.

Program – Desecheo Island DXpedition. Ron Gorski, N9AU, gave the membership a few background details about this DXpedition to this island, February 12 to 26, 2009. The uninhabited island was one of the most wanted locations for DXers. It is located 14 west of Puerto Rico, under control of the US Fish and Wildlife Service. The membership then viewed a video about the K5D operation. After the video, Ron spoke about some specific details, including physical properties of the island. He said that over the 12-day window of operations, the 22 operators made 115,787 total contacts, using 12M, 15M, 17M, 20M, 30M, 40M, 80M and 160M. Further information mentioned 23,835 CW contacts, 15,486 phone contacts, and 2,462 RTTY contacts. The highest number of Qs was on 20M, followed by 17M, 30M, 40M, 80M, 15M, 160M and 12M. There was some 6M operation. The DXpedition was lead by K4UEE and W0GJ. There was brief Q & A session to conclude the program.

The meeting was adjourned at 8:35 PM, followed by refreshments and eyeball QSO’s.

Respectfully submitted,
Lynn Tamblyn, K9KR

**Minutes of the Board Meeting
August 24, 2010**

The meeting was called to order at 7:20 PM. by Chairman Howard Smith.

Board members present were: Charles Craven, Chuck Dellis, George Dunco, Frank Humpal, Tom Macon, Howard Smith, and Lynn Tamblyn.

WI QSO Party - Lynn asked if the Board wished him to remain as Chairman. No Board member spoke. Lynn then mentioned, that as Chairman, he did not anticipate any rule changes. He then discussed several suggestions he had received from participants that could affect the award part of WIQP. At this point, the WIQP Committee had not reached any decisions. The matter would be held over till the next Board meeting, to give the Committee and the Board members time to give some thought to how awards are handled, as well as “if” any changes will be

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WARAC Officers and Board			Hamtrix – Editor & Publisher
President	J. Howard Smith, WA9AXQ	414.425-5626	Submit newsletter material to: Tom Macon, K9BTQ 3547 S. 95 St Milwaukee, WI 53228 414 543-3878 tmacon@wi.rr.com
Vice President	Thomas W. Macon, K9BTQ	414.543-3878	
Secretary	Lynn C. Tamblyn, K9KR	262.534-9655	
Treasurer	Chuck Craven, WB9PUB	262.642-7628	
Director (2011)	Frank Humpal, KA9FZR	414.425-0794	
Director (2010)	George Dunco, AA9SR	262.782-6325	
Director (1 year)	Chuck Dellis, W9WLX	414.543-1134	
Board Chairperson	J. Howard Smith, WA9AXQ	414.425-5626	

HOMEBREW CHALLENGE

By Chuck Craven, WB9PUB

A homebrew challenge “club project” will start at this September’s Club meeting and run until the February Club meeting. At the February 2011 meeting, a final Show and Tell of each participating member’s project will complete the Challenge. Club members that wish to make a project can choose any project that meets the following guidelines.

Guidelines: Club members may choose any project they want to build that is Ham radio related. It may be a kit, something scratch built from any publication or from the Internet. The project may be a standalone device, receiver / transmitter / transceiver, an operator interface of any type, analog, digital or computer interface, test equipment or even a power supply. The project must have at least one active device but not more than 30 active devices. Note: See active device definition list. Any number of passive devices may be used. Note: See passive device definition list below. Be a little careful not to pick a large complicated project as it may be difficult to finish your project within the time limit. If you are a first timer, there are many small kit projects that can be built. If you need help in picking a project, just ask someone or ask me.

Projects that would be out of scope: Examples of projects not allowed would be pre-built assemblies, filter modules for an existing radio, an antenna without an active device or a manual antenna tuner. If you have any questions regarding whether your project meets the guidelines, just ask me. I am sure we can figure out a way to make it a conforming project.

Active device definition list: Any tube type, any transistor type, analog IC’s, digital IC’s including microprocessor chips, optical isolators and bridge rectifiers / rectifier diodes.

Passive device definitions list: Any capacitor type, any resistor type, any inductor / transformer, any diodes that are not used for rectifying AC power, switches, connectors, project boards and boxes and any type of front panel display (LCD, LED, incandescent, Nixie and florescent).

Registering your project: To participate in the “Homebrew Challenge project”, no matter how large or small, first timer or old construction-pro, please register your project with me Chuck Craven. I need this information mainly for the final presentation.

Getting help with your project: Ask Howard Smith, Chuck Craven or a buddy for help in getting your project started or with troubleshooting problems. If you need a piece of test equipment for troubleshooting, let us know. Don’t hesitate to ask even if you just need a part supplier for your project.

Join in on the fun!

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Ham Happenings

Around the area

Ozaukee Radio Club

Wed, September 8
7:30PM

Grafton Senior Center
1665 7th. Ave.
Grafton

CQ3TUE Lunch

Tues. September 21
11:15AM

Old Country Buffet
16750 W Bluemound Rd

Wisconsin Amateur Radio Club

Wed. September 29
7:30PM

Germantown Police Dept
N112 W16877 Mequon Road
Germantown

Milwaukee Radio Amateur Club (MRAC)

Thurs. September 30
7:00PM

Redemption Lutheran Church
4057 N. Mayfair Rd

South Milwaukee Amateur Radio Club

Wed. October 6
7:00PM

Legion Post 434
9327 S Shepard Ave
Oak Creek

Amateur Radio Testing

Saturday, September 25
9:30AM

Amateur Electronic Supply
5720 W. Good Hope Rd.
Milwaukee, WI
www.w9rh.org/testing.htm

NOTE

Please do not contact meeting places for information.



John Westimayer, N9LGD, shows off his home brew Pixie transceiver at WARAC's 40-meter Transmitter Challenge back in 2004

WARAC David Knaus Memorial Scholarship

This scholarship is available to licensed Amateurs who are Wisconsin residents pursuing an Associate, Bachelor's or Graduate degree in any course of study. The next application deadline is March 31, 2011.

Visit the [FAR website](#) for additional information and application forms.

WARAC 2-Meter Net has Moved!

We have been offered the use of the MATC repeater on 147.045 for our off-meeting night nets on 2 meters. Thanks to Dave, KA9WXN, for inviting us to use this repeater.

- 7:00 PM
- 1st, 3rd and 5th Tuesdays
- 147.045, standard offset
- 127.3 Hz CTCSS

Everyone's Welcome!

Thanks!

Thanks and a tip of the editor's hat to the following contributors to this month's issue of **Hamtrix**



Chuck Craven, WB9PUB
Rich Regent, K9GDF



Write an Article
This means
You!
Please??

Upcoming Meeting Programs

September 14

Home Brew Show and Tell
by Chuck Craven, WB9PUB

October 12

Digital TV - An Update
By Dave Schank, KA9WXN

Program suggestions?
Let us know - Contact a Board member!

Scuttlebutt...

- Not only has Jim Kehoss, KC9RNY, recently joined our club but he also upgraded to General in August. Congratulations, Jim, and welcome to WARAC.
- Another new member is Terry Schima, KC9SMT. Terry is also a relatively new to ham radio and is a General class licensee.
- For some really classy Home Brew vintage radios, check out the web pages of club member Tom Nickel, KC9KEP:
www.bignick.net/TubeRadio.htm
www.bignick.net/Morgan_Radio/Radio_1.htm
www.bignick.net/Morgan_Radio/Radio.htm
- Chuck, W9WLX, and Tom, K9BTQ attended the Fond du Lac club's picnic and, along with Leon, K9GCF, were treated to a guided tour of the lodge and John Deere tractor museum by Phil Majerus, owner of the Eden Game Preserve and also Amateur Electronics.
- We have members that are traveling internationally. Dick, W9JBE, is going to Germany and Howard, WA9AXQ, is visiting Costa Rica. Gentlemen, we'll expect some good stories when you get back.
- The tower that Howard, WA9AXQ, has been storing for some years is now vertical. Will it have a rotator and antenna before the snow flies? Anyone taking bets?
- QSO parties for Arkansas, South Carolina, Washington and Texas are coming up in September. For details, see the listing of state QSO parties on our website at www.warac.org/qp-list.htm

Do you have news that isn't listed here? It won't be if ye editor doesn't know about it - call or email Tom, K9BTQ!

HOW RADIO PROGRAMMING HAS CHANGED

AND

JONATHAN GREEN IS RETIRING

by Rich Regent, K9GDF

Forty years ago, Radio Broadcasting needed at least two people to put on a live program, a Broadcast Engineer and an Announcer. Nowadays it can be handled by an announcer, called a Radio Personality, and a computer. Times have changed.

When I first worked at the WTMJ stations in 1963 as a Broadcast Engineer, there were still a few commercials on 78-rpm records that were played on the air. At that speed they would spin very fast on the turntables and they had a high-pitched audio hiss besides the audio.

Years later I noticed a cart full of 78-rpm records was being pushed down the hallway, on their final journey to be donated to the Milwaukee Public Library. So the 45 rpm and 33 rpm long playing records were next the broadcast standard. A record playing list for a particular program would give the title, number, side and track for

each tune and be written and attached to the top of a stack of records.

Reel-to-reel 1/4-inch tapes and commercials on records were being replaced with half-inch tape cassettes. This device was called the Automatic Tape Cassette machine. There were eventually several hundred recorded cassettes stacked in organized wall shelves always ready for airing in the ATC's.

Radio shows required teamwork between the announcer and broadcast engineer, who worked isolated in separate rooms. The engineer would be in a noisy control room, cueing up records, previewing feeds, getting transmitter readings and typing up trouble reports. There were newscasters and weather reporters asking questions or giving their agenda. Meanwhile, in the announce

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Minutes

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made.

Elections – Howard mentioned that the Nominating Committee still only had one member, and it was Board member, Chuck Dellis. No other club member has stepped forward. After discussion, Chuck mentioned he would do some phone calls before the next regular club meeting to see if he can get additional committee members.

Audit Of Club Books – After a lengthy discussion, Howard indicated that he and Tom Macon will meet to do a cursory overview of the 2008 and 2009 club books, to see if there are any problems. The Board will be advised. If no problems are found, the Audit Committee will be asked to meet to complete the audits for both years.

Two-Meter Net – The new frequency was tried on the last off-Tuesday, August 17. Everything seemed to work ok, although there were some questions about how well club members that live a good distance away could participate, i.e. could they access the repeater. The Board decided, that based on this test, the off-Tuesday club nets would be using the repeater system on 147.045. Off-Tuesday means those Tuesdays when neither a regular or Board meeting is being held (the 1st, 3rd and/or 5th Tuesday each month). The Board asks that club members try to participate, so a determination of access prob-

lems, if any, can be made.

Programs – September's program will be "Bring in a Homebrew Project" night. The tentative program for October is an HDTV update. The Board discussed a possible D-Star program for November. Charles Craven indicated he will be doing his homebrew project wrap-up at the February 2011 regular club meeting. No programs are in the works for December or January.

Club Awards Dinner – Howard, speaking for the committee, is still trying to get an interesting general audience type program. The dinner will be held November 14, 2010. The committee will meet after Howard returns from vacation, to finish the planning for the dinner.

Worked All Wisconsin Counties – Chairman Lynn was given an application for WAWC that came from the club POB.

Homebrew Challenge – Charles Craven shared his "rules" for the homebrew challenge club project with the Board. He is planning on having them printed in the next issue of Hamtrix. As noted above, he will be doing a program at the September regular club meeting, which will also double as the kickoff for this club Homebrew Challenge Project, that will run until the February 2011 regular club meeting.

The meeting was adjourned at 8:50 PM.

Respectfully submitted,
Lynn Tamblyn, K9KR

WARAC ANNUAL AWARDS DINNER

SUNDAY, NOVEMBER 14, 2010

5:00PM QSO TIME — 6:00PM DINNER

THE MACHINE SHED RESTAURANT
N14 W24145 TOWER PL
(I-94 & HWY J, EXIT 294)



<p>WARAC Activities <i>the year in review</i></p> <p>Swapfest WIQP</p> <p>Field Day <i>more</i></p>	<p>Presentation of:</p> <p>2010 Scholarship Certificate</p> <p><i>Years of Membership Awards</i></p> <p>Contest Awards</p> <p>2010 Member of the Year Award</p>
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Dinner Menu

Country Fried Chicken and Ol' Fashion Pot Roast

Served 'family style' with potatoes, vegetables, cole slaw, cottage cheese, bread, beverage and dessert. Tax and gratuity included in \$16.00 price. Cash bar.

Program

(To be announced)

Contact Phil Gural or Tom Macon if you need transportation

Sign-Up sheet below— Fill out and bring to the Club meeting!



AWARDS DINNER

RESERVATION FORM

SUNDAY, NOVEMBER 14, 2010

5:00PM QSO TIME — 6:00PM DINNER

Name _____	Call _____
Number of people attending _____	Amount (\$16 each) _____

Sign-Up Deadline: November 9

Bring form and money to club meeting or mail to:

Make checks payable to:
W.A.R.A.C, Inc.

Chuck Craven, WB9PUB
W2292 Beulah Hgts Rd
East Troy, WI 53120



September 13 - Leroy Hass, KC9NSJ
 September 15 - Bob Pirkel, WA9RUX
 September 16 - Louie Golembiewski, W9GSV
 October 5 - Chuck Dellis, W9WLL



www.warac.org

*Wedding
Anniversaries*

September 15 - Bob and Stacy Scrip
 September 25 - Ken and Betty Rogers
 October 7 - Greg and Therese Hudziak

President's Shack
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your calendars for this event.

Club elections are next month. This is the one meeting that you want to attend. The Nomination committee will be making phone calls to ask if you would consider being an officer or a board member. This is your opportunity to serve on the management team for the club. Please give this some serious thought.

The upcoming meeting is about your Homebrew Projects. Each of you need to bring one of your projects, and tell us about it. You do not need to make a fancy presentation; just tell us what you did, why you wanted to do it, and how it came out. I'm sure you will get a

couple of questions from other club meetings. This should make for an interesting meeting.

Also, be sure to read the article in this Hamtrix by Chuck, WB9PUB, about the Homebrew Challenge. He will also answer questions that you may have at the meeting. I have also volunteered to be a mentor to anybody who has a project, but needs a little technical assistance.

Unfortunately, I will be visiting my daughter and her family in Costa Rica, so I will not be at the meeting this month. One of the other officers will handle the meeting in my absence.

Howard, WA9AXQ

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Jonathon Green Retiring
(Continued from page 5)

room it was dead quiet. Only the red light and on-the-air sign indicated being on the air.

Between the two rooms was a large double glass window and both team members faced each other. There was an intercom (electrically locked out when the announce microphone was on the air) for discussing changes and revising plans. While in our separate rooms and airing a program, we used plenty of hand signals, like: *cut, fade, change volume, OK*, and especially *cue*. *Cue* means to start something like a record, tape, switch to the Green Bay Packer's feed, or go to network news. For live programs, obviously the announcer gave most of the cues.

In 1969 I met newcomer announcer Jonathan Green, who had plenty of red hair, wore a bright green jacket and was full of energy. Now, 41 years later, I saw an article in the newspaper about Jonathan retiring this December.

That same morning I decided to go to Wisconsin State Fair. As I came to the Journal building I saw Jon standing outside talking to his radio fans. He now had a shaved head and wore a comfortable black tee shirt with the Radio 620 WTMJ logo. There was a lady who

thanked and hugged him and a man gave him retirement advice. Jon said, "I took off a few days this summer to get used to retirement."

It was my turn. I shook Jon's hand, "Jonathan Green. I'm Richard Regent, a Broadcast Engineer at WTMJ in 1969. I was the first engineer to put you on the air after you gave me a cue."

We talked about the changes at WTMJ. Jon claims, "Those turntables are now hard to find except in a museum." He tells me about his collection of 300 sound effects originally put on cassettes. The station eventually bought a \$3,000 system designed to hold all these sounds in a more convenient manner. With current technology, Jon now easily stores them on a tiny flash drive that he can use at work or take home. "Everything is now on the computer," he says.

There were people behind me waiting to talk to Jon, so I said, "You did good."

Jon looked at me, lifted his right hand upward, and then quickly pointed toward me. He said, "For old time's sake." I recognized his cue and quickly started an imaginary record on a turntable. We both laughed together.

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West Allis Radio Amateur Club, Inc.
Tom Macon, K9BTQ
3547 S. 95 St
Milwaukee, WI 53228



WEST ALLIS RADIO AMATEUR CLUB, INC.

PO Box 1072
Milwaukee, WI 53201
W9FK
<http://www.warac.org>

***See our Web Page or contact us
for more information on***

- WARAC Memorial Scholarships
- Wisconsin QSO Party
- Midwinter Swapfest
- Worked all Wisconsin Counties Award
- Amateur Radio Classes

WARAC holds meetings on the second Tuesday of each month and board meetings on the fourth Tuesday of each month. Meetings are held at 7:00 PM at:

**St Peter's Episcopal Church
7929 W. Lincoln Avenue
West Allis, WI**

Entry is off the alley at the rear of the church.
A wheel chair ramp and chair-lift are available.