



The Mt. Vernon Amateur Radio Club



April, 2012 Newsletter

Meetings are held the 2nd Monday of each Month at 7:00 P.M. at the Knox County Chapter of the American Red Cross, 300 N. Mulberry Street, Mt. Vernon, Ohio



Local Ham Community

K8EEN Repeater: 146.790 Mhz (-600 Khz With PL of 71.9 Hz)
KD8EVR Repeater: 442.100 Mhz (+5Mhz With PL of 71.9 Hz)



Ham Radio Rocks!

Sunday Night ARES Net at 9:00 P.M. on The K8EEN Repeater

Weather Spotter Training April 5th

The annual Weather spotter training will be April 5, 2012 at the Memorial building, 117 East High Street, Mt. Vernon, Ohio beginning at 6:30 PM. All hams are encouraged to attend. In particular, those that have not attended a training session in the last three years can be recertified by attending this training.



In addition, anyone who is interested in being a weather spotter, whether or not you are a ham, may participate in this event and become a certified weather spotter. This training is open to all.

Earth Day Challenge April 22nd

Sunday April 22nd will be the 5th running of the Earth Day Challenge Marathon. MVARC/KCARES will again be supporting the communications for the event. We will be soliciting assistance from hams outside of Knox county as well.



The next meeting of the Mt. Vernon Amateur Radio Club will be Monday, April 9, 2012 at 7:00 P.M. in the Red Cross Annex Building, 300 North Mulberry Street, Mt. Vernon, Ohio.

Please remember to check into the long running Sunday Night ARES net at 9:00 P.M. on the K8EEN 2-meter Repeater.

Every Wednesday at 5:00 PM, MVARC club members meet at Wendy's, 522 South Main Street, Mt. Vernon, Ohio. Dinner Coordinator Dick Huggins, N8RDH, reports good turnouts for this event. Come share dinner with friends, or make new friends, by attending one or all of these events.

Join MVARC club members every second Saturday of the month for breakfast. Breakfast Coordinator Arlin Bradford, KD8EVR, reports good turnouts for this event.

****The next Breakfast will be Saturday, April 14, 2012 at 9:00 AM at Allison's Finer Diner, 11587 Upper Gilchrist Road, Mt. Vernon, Ohio****

Our intent for this year is to staff all stations and turns, including Gator, Race HQ and EMT units with two people. This will require participation of at least 20 personnel. This event is a great opportunity to learn tactical communications and introduce newcomers to emergency type communications. Please feel free to bring a friend.

Coordinates, maps and further information will be made available at the April Meeting and race day. Please check the club website and Facebook page for breaking information and links to information.

Next to Field Day I judge this to be the premier exercise of our club. Participation is always high and everyone walks away with the feeling of accomplishment. I look forward working with everyone again this year.

Sunday April 22, 2012:

Report at McBride Stadium, Kenyon College

Time line:

- Saturday Night, Tentative Trailer and EmComm 1 set-ups Times and places to be announced Sunday
- 06:30 Lead team arrives (Net Control, Gator Driver, Other volunteers.
- 07:00 Contestants can register and pick up packets, Communications with Race HQ at this time
- 07:30 General Communications Team check-in for assignments and Briefing
- 07:55 Station 1 should be staffed.
- 08:00 Race Start - Runners and Walkers, Full and Half Marathon Aid station 1, 2 and 3 should be staffed

- Note all times are approximate and based on the strongest runners times from past years ~ 5 minute miles
- Stations should be staffed at least 15 minutes prior to approach time.

- 08:10 First Runners approach Aid Station 1 (2 mile mark)
- 08:20 First Runners approach Aid Station 2 (4 mile mark) Aid Stations 4, 5 and 6 should be staffed
- 08:30 First Runners approach Aid Station 3 (6 mile mark)
- 08:40 First Runners approach Aid Station 4 (8 mile mark)
- 08:42 First Runners approach 1st Turn Around
- 08:45 First Runners re-approach Aid Station 4 (~9 Mile mark)
- 08:55 First Runners re-approach Aid Station 3 (~11 mile mark)
- 09:05 First Runners re-approach Aid Station 2 (~13 mile mark)

The Mt. Vernon Amateur Radio Club

President: Arlin Bradford, KD8EVR
kd8evr@mvarc.net
Phone: 740-627-0922

V. President: Matt Ware, KD8PSK
Mware11@msn.com
Phone: 614-580-7520

Secretary: Jeff Butz, N8SMT
jaylynn4@gmail.com
Phone: 740-965-9368

Treasurer: Barry Butz, N8PPF
N8ppf@mvarc.net
Phone: 740-397-7540

Trustee: Don Russell, W8PEN
W8pen@arrl.net
Phone: 740-397-0249

Directors:

Mike McCardel, KC8YLD
Kc8yld@arrl.net
Phone: 740-599-6614

Tom Evans, KD8HSA
tom65@embarqmail.com
Phone: 740-625-5138

Larry "Doc" Helzer, AA8WP
aa8wplarry@yahoo.com
740-392-8836

Ruben Clark, KB2SAI
Kb2sai@mvarc.net
Phone: 740-326-4151

Don Russell, W8PEN
W8pen@arrl.net
Phone 397-0249

Members are encouraged to send articles pertaining to Amateur Radio, with an emphasis on local activity, equipment reviews, and personal experiences to the Newsletter Editor. Articles are due on the Sunday before the first Monday of the month.

Newsletter Editor: Don Russell, W8PEN
w8pen@arrl.net
Phone: 740-397-0249

- Note at this point Half Marathoners will return to Track, Marathoners will continue on. After 11:00 all participants will be directed to track.
- 09:15 First Runners approach Aid Station 5 (15 mile mark)
- 09:25 First Runners approach Aid Station 6 (17 mile mark)
- 09:35 First Runners approach Aid Station 7 (19 mile mark)
- 09:40 First Runners approach Second Turn Around
- At this point participants will pass back through Stations 7 through 5 and station 2.
- 11:00 All participants must be through Duff Street Check point, those who aren't will be routed to finish.
- 14:00 COURSE CLOSES
- 15:00 Anticipated wrap up

E. Michael McCardel, KC8YLD, Phone: 740-599-6614
 Ohio Section Affiliated Club Coordinator, ARRL
 AMSAT-Edu Moderator
 Knox Count Ohio, ARRL PIO
 Knox County / MVARC VE Coordinator

Big Day for Mt. Vernon VE Test Session

The Knox County Volunteer Examiners met Saturday March 17 at the Mount Vernon Fire Department training center to administer license exams. This was done as a culmination activity for those who recently completed their Technician class. Knowing that at least two of the students wouldn't be available for the Saturday exam we were only expecting four or five for testing. We had a packed house instead. We had twelve people show up to take the exams. Most were walk-ins and all but one were from Knox County. At this session nine people came away with their Technician license and two qualified for their General ticket. There was only one person who failed the exam, but he walked in off the street on a whim to give it a try without any prep. Of those who passed, the lowest score recorded was a 29 with one student getting a perfect score. Those getting their Tech Licenses and Upgrades on St. Patrick's Day include:

MVARC Technician Course members:

Charles W Payne Jr	KD8RZR	Technician
Melody D Brent	KD8RZV	Technician
Brian A Bernicken	KD8RZT	Technician

Also congratulations go to Club members:

Ruben Clark	KB2SAI	General upgrade
David Byrd	KD8RST	General upgrade

And to Ruben's XYL:

Melinda L Clark	KD8RZZ	Technician
-----------------	--------	------------

Also being tested:

Kevin Lauth	KD8RZS	Technician
Christopher A Harmon	KD8RZU	Technician
Jerod S Untied	KD8RZW	Technician
Wesley E Shankland III	KD8RZX	Technician
Nicole M Berger	KD8RZY	Technician

Following Don Russell's, W8PEN, lead with his "Class isn't over until everyone passes." The team reconvened at the Library Thursday evening March 22 to test the two people who couldn't make the test Saturday. Results here were just as good. Both passed with scores of 34, earning their Technician License.

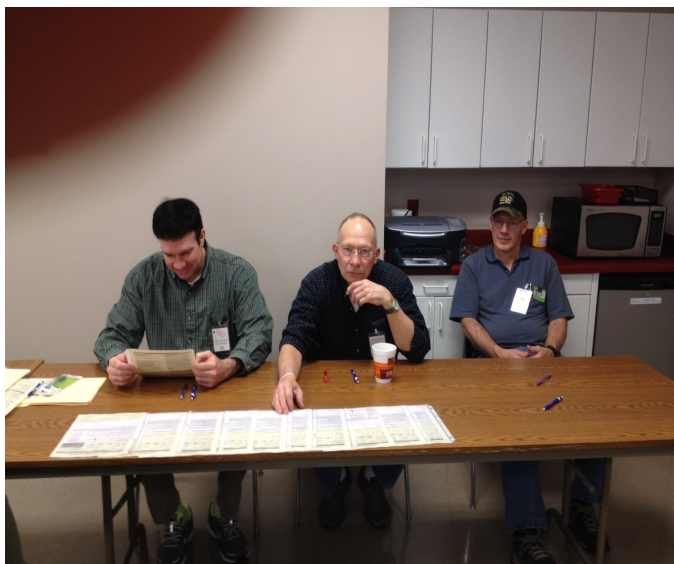
Daniel E Yoder	KD8SAO	Technician
Seth Lawhon	KD8SAQ	Technician



**VE Test Session at Mt. Vernon, Ohio
 Up front are Ruben and Melinda Clark**

The five that graduated from the clubs Technician Course are now official members of the MVARC for the balance of the year.

Several have already been active on the repeaters, including checking into the ARES Sunday night net.



From left to right, VE's AC8FV, W8DEP, and W8PEN

A special thank you to Volunteer Examiners:

- Don Russell, W8PEN
- Dave Phillips, W8DEP
- Jim Jennessee, KD8UT
- Mark Bisenius, AC8FV
- Mike McCardel, KC8YLD

Also VE in Training Emery Bennett, W8TW; and club president Arlin Bradford, KD8EVR who help out.

Look for these folks on the air.

E. Michael McCardel, KC8YLD
Ohio Section Affiliated Club Coordinator, ARRL

50 Years in Space

April 18th is World Amateur Radio Day 2012 - 50 Years in Space

Every year on April 18th the IARU celebrates World Amateur Radio Day to note its anniversary starting in 1925.

This year's theme for the World Amateur Radio Day 2012 is Amateur Radio Satellites: "Celebrating 50 Years in Space" in remembrance the launch of OSCAR 1 on December 12, 1961, and the launch of OSCAR 2 on June 2, 1962.

MVARC

Mt. Vernon Amateur Radio Club Minutes for the March 12, 2012 Meeting.



By Jeff Butz, N8SMT

Attendees:

- | | |
|----------------------|--------|
| 1. Mark Bisenius | AC8FV |
| 2. Steve Barr | KD8GRM |
| 3. Emery Bennett | W8TW |
| 4. Steve Baughn | WD8NPL |
| 5. Jim Jennessee | KD8UT |
| 6. Tom Evans | KD8HSA |
| 7. Matt Ware | KD8PSK |
| 8. Scott Fields | K8AEC |
| 9. Jeff Butz | N8SMT |
| 10. Larry Helzer DVM | AA8WP |
| 11. Don Bunner | KB8QPO |
| 12. David Byrd | KD8RST |
| 13. Don Blizzard | W8UMH |
| 14. E. Mike McCardel | KC8YLD |
| 15. Don Russell | W8PEN |

Vice President Matt Ware opened the meeting at 7:05 P.M.

EC Report: Mark Bisenius, AC8FV

Mark reminded everyone that the Skywarn training is coming up at Memorial Theater, 117 E. High Street, at 6:30 P.M. on April 5, 2012. It is put on by the National Weather Service and is open to anyone that is interested.

Repeater Report: Don Russell, W8PEN

Don reported both the 2 meter and UHF repeaters are up and running fine. He has not heard the static that he has previously reported on. The Echolink on the 2-meter repeater still isn't working right. You can't control it with a radio so you can't connect with other Echolink repeaters. Don has spoken to Ruben about this and he thinks he will have to take the Echolink down until it is repaired. Don believes the problem lies with the sound card in the server.

Tech Class Report: Don Russell, W8PEN

The classes have gone very well He believes the students are ready to go. The last class is this coming Thursday and the test will be the subsequent Saturday. He has had three students that can't make it Saturday so they will be tested Thursday.

Field Day: Larry (Doc) Helzer, AA8WP

Doc announced that he is going to have cataract surgery but he doesn't know when. Someone may have to step in as Field Day Chairman if it happens shortly before Field Day.

Ham Activities: Mike McCardel, KC8YLD

Mike McCardel announced that the ARRL State Convention August 4, 2012 at the Aladdin Shriners Center, 3850 Stelzer Road, Columbus, Ohio. This is the first state convention to be held in Ohio. They are working with other clubs for show vehicles like EmComm #1 and with Universal Radio, AES, and R&L.

The Earth Day Challenge is coming up on April 22, 2012.

Old Business:

No old business.

New Business:

We have been receiving informal complaints about how we have been leaving the room after meetings although we have done our best to make sure we leave the room and furniture the way we found it. There was a general discussion about looking for another meeting place. Several locations were mentioned. It was the general consensus that regardless of whether we decide to move or not we will continue to support the Red Cross.

The meeting was adjourned at 7:39 P.M.

IKAROS III BALLOON LAUNCH

by Barry Butz N8PPF

Very soon we will be joining our son Craig KJ6DYP and his students for their third near-space balloon launch. It will be in the Black Rock Desert in northwest Nevada on April 11.

Two students and another teacher have recently earned their technician licenses. One of the students has participated in the project for three years and his newly issued call will be used on the ham radio carried by the balloon.

You can track the balloon on <http://aprs.fi/> by searching for KJ6VFJ-11. This will bring up a Google map showing

the position along with speed and altitude data. Two pursuit vehicles will also be sending APRS positions using calls KJ6DYP-7 and N8PPF-1.

Real-time updates will be sent over the Internet, as explained in Craigs article. Launch time is estimated as between 9:30 and noon Eastern time. The launch site is in a very remote area and I don't know if cell service or Internet will be available. Nevertheless, anyone interested should email me at n8ppf@mvarc.net beforehand and I will try to send last minute updates.

San Francisco High School Students Plan Near-Space Balloon Mission

Students in the space club at The Bay School of San Francisco have spent this school year planning a third near-space balloon mission. After several all-day meetings spent building the probe, the group plans to launch Ikaros III from the Black Rock Desert in northern Nevada on April 11, 2012 to recover images of the earth and the blackness of space along with atmospheric data from 100,000 feet altitude—three times as high as commercial airliners fly.

The group is lead by Craig Butz, KJ6DYP (son of Barry Butz, N8PPF, who plans to attend the launch) and Feroze Munshi, KJ6UTH. Two students passed their amateur radio license exams in preparation for the mission: Nolan Van Dine, KJ6UIM and Jesse Greenfield, KJ6VFJ.

Live updates on the mission and details about tracking the balloon and ground crew via APRS will be found on the project website: <http://ikaros.xrg.us/livestream.html> . Its APRS call will be KJ6VFJ-11.

Ikaros III will use an all-new Arduino-based flight computer to collect, record, and transmit GPS location and atmospheric pressure and temperature data. Arduino is an open-source microcontroller platform that makes interactive electronic and robotic projects accessible to hobbyists. Both the tracking and data-logging circuit boards were constructed by students. The data board is a kit from Maker Shed that records data to an SD card, with temperature and pressure sensors added by the team. The "Trackuino" APRS tracking board was designed by Javier Martin EA5HAV

and Kyle Crockett, KJ6KUV, both of whom have flown their own balloons. If all goes according to plan, Ikaros will also use the services of HAM social networking site 73s.com to send its own tweets with status reports from the edge of space under the handle @ikarosflight. Miniaturizing the equipment will also help the club meet its goal of getting the probe to even higher altitudes than previous missions.

Ikaros III will be a follow-up to previous successful missions on May 22, 2010 and April 15, 2011.

During a one-hour-thirty-three minute flight, Ikaros II flew from the hills east of the San Francisco Bay Area over the Central Valley, landing 57 miles away. It reached an altitude of 83,772 feet. During the flight, the payload got a taste of the harsh conditions beyond the protection of the Earth's atmosphere. Temperatures dropped as low as 76 degrees below zero and atmospheric pressure was 2% of what it is at sea level. Ikaros I reached 75,774 feet over Pinnacles National Park, and experienced 173 mile-per-hour winds in the jet stream.

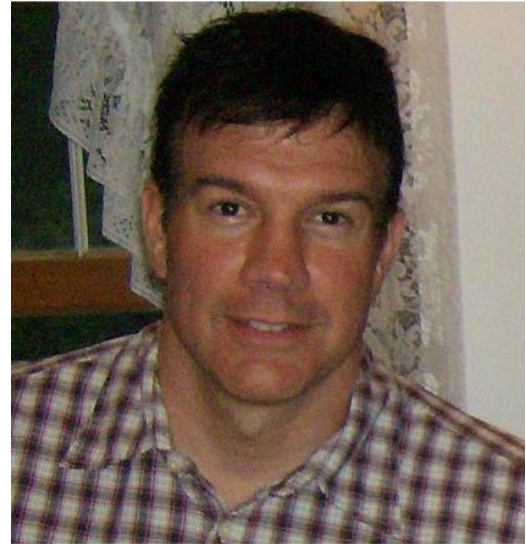


Students in the Bay School of San Francisco Near-Space Balloon Project prepare to launch their second probe into the upper atmosphere on April 15, 2011.



Ikaros II looks down on California from the edge of space on April 15, 2011. Taken from 83,000 feet.

ICS-213 Messages



By Mark Bisenius, AC8FV

The ICS-213 General Message Form is used by all of our served agencies. It has five parts: Header, Message, Message Signature Block, Reply, and Reply Signature Block.

ICS-213 is an inter-office memo consisting of four copies (white, pink, canary, goldenrod), with space for a reply.

GENERAL MESSAGE		
TO:	Roberta K. Jones	POSITION: Red Cross Director
FROM:	Anthony R. Smith	POSITION: High School Shelter Manager
SUBJECT:	Meals	DATE: 4/15/2012 TIME: 1357
MESSAGE:		
Will need 86 meals for dinner. Please advise estimated time of delivery.		
SIGNATURE:	Anthony R. Smith	POSITION: High School Shelter Manager
REPLY:		
86 meals will be delivered by Johnson Catering at 1800 hours.		
DATE:	4/15/2012	TIME: 1421 SIGNATURE/POSITION: Roberta K. Jones, Red Cross Director

Authorization is critical in the Incident Command System (ICS), so each message and reply is authenticated with a signature.

Full names including middle initials are used whenever possible, and are spelled out phonetically when sending. Each person's incident command position is included.

The full date and 24-hour local time are used, unless UTC time is indicated. ICS-213s are identified by date and time instead of a message number.

The National Incident Management System (NIMS) calls for plain language, so we do not use our Radiogram Preamble, ARL numbered texts, "initial X-Ray" for a period at the end of a sentence, or "73" when handling an ICS-213 message for a served agency.

Sentences in the Message or Reply ending with a period, are ended by saying: "PERIOD"

Since the receiving station may not be familiar with ICS-213 or have any blank forms, we say all the headings in brackets below as we send:

[TO:] ROBERTA K. JONES
[POSITION:] RED CROSS DIRECTOR
[FROM:] ANTHONY R. SMITH
[POSITION:] HIGH SCHOOL SHELTER MANAGER
[SUBJECT:] MEALS
[DATE:] 4/15/2012
[TIME:] 1357
[MESSAGE:] WILL NEED 86 MEALS FOR DINNER.
("PERIOD")
PLEASE ADVISE ESTIMATED TIME OF DELIVERY.
("PERIOD")
[SIGNATURE:] ANTHONY R. SMITH
[POSITION:] HIGH SCHOOL SHELTER MANAGER

[REPLY:] 86 MEALS WILL BE DELIVERED BY
JOHNSON CATERING AT 1800 HOURS. ("PERIOD")
[DATE:] 4/15/2012
[TIME:] 1421
[SIGNATURE:] ROBERTA K. JONES
[POSITION:] RED CROSS DIRECTOR

It helps to write the message out as you send it, so you don't go too fast for the receiving station. "When in doubt, spell it out."

We frequently handle ICS-213 messages over the radio between say, Incident Command and an Emergency Operations Center (EOC), or a shelter and an EOC, so the Reply is often transmitted without repeating the original message, by referencing the time stamp. The receiving station adds the Reply to the original message on file, for delivery back to the originator.

The ICS-309 form is the official ICS Communications Log used to keep track of all ICS-213 messages and replies, as well as logging "tactical" real-time command

and control communications, which are verbal. ICS-309 is almost identical to a Net Control Log, if blank forms are unavailable.

It is our responsibility as radio operators; to make sure the ICS-213 messages we send and receive have the required:

[TO:] Name, Position
[FROM:] Name, Position
[SIGNATURE:] Name, Position

For urgent "life or death" communications, such as requesting an ambulance, always break into the Net immediately with a tactical message, instead of using the much slower ICS-213.

MVARC - KCARES featured in Mount Vernon News

Mount Vernon news reporter, Pamela Schehl, interviewed club president, Arlin Bradford - KD8EVR, and the interview appeared on the front page of Thursday March 29th edition. In the article "Communication Key When Weather Strikes"

Arlin talks about how amateur radio operators in the club and around the county make themselves available during weather alerts and other emergencies. He goes on to give clear cut examples of how our systems work when others fail and the process of how we report to the National Weather Service.

He also points out how we are flexible and have tools like EmComm1 and how we can use the the EMA communications trailer.

Arlin portrayed the club and amateur radio in a very positive light. The article spanned much of the lower half of the front page and carried over to page three of the paper. A full color picture of Ruben Clark - KB2SAI and Mike McCardel - KC8YLD setting up radios at the 2007 Field Day was also featured.

The article also caught the attention of ARRL Media and PR Director Allen Pitts, W1AGP, who referred to it as "A Nice Hit" on his PR reflector which is read by most PIOs around the country.

A shortened version of the article appears online at <http://www.mountvernonnews.com/local/12/03/29/communication-key-when-weather-strikes>

KCARES Skywarn Net Activated for Tornado Warning

Friday March 30 Knox County, along with Delaware and Licking County were placed under a Tornado Warning by the National weather Service. at 19:33 the repeater was put into Weather Warning mode and the Skywarn Net was activated by Mike McCardel, KC8YLD. Checkins for the net included

KC8YLE, Zach McCardel
KB2SAI, EC, Ruben Clark
KD8RZU, Chris Harmon
KD8NGT, Matt Sturgeon
KD8PSM, Patrick Valentino
KD8OAA, Jason Bostic
KD8RZS, Kevin Lauth
KD8EVR, AEC, Arlin Bradford
W8PEN, Don Russell
KC8?GK?

Most stations were mobile. Because of a downed antenna Net Control KC8YLD was working out of his car. About ten minutes into the net he was hearing fine but could not connect through the repeater, because of a power connection issue. Zach McCardel, KC8YLE, took over and continued to control the net through its close. Nothing adverse was seen or reported. The warning advisory was cancelled by the NWS at 20:05 and NC, KC8YLE close the net at 20:10. Arlin, KD8EVR returned the repeater to PL mode.

It was great to see KD8RZU, Chris and KD8RZS, Kevin check-in. Both passed their Technician exam just 13 days prior and received their call signs just 8 days ago. Welcome aboard Old Men.

E. Michael McCardel, KC8YLD
Ohio Section Affiliated Club Coordinator, ARRL
AMSAT-Edu Moderator
Knox County Ohio, ARRL PIO
Knox County / MVARC VE Coordinator

Free Circuit Design Tools for Ham Radio

By Dan Romanchik, KB6NU

About a week ago, I started looking for a schematic capture program so that I could easily generate some simple schematics for my upcoming Extra Class study guide. Since I use a Mac as my main computer, I first asked on the Ham-Mac mailing list if anyone knew of a good one. I got several recommendations, including:

- Diptrac: <http://www.diptrace.com/>
- Eagle: <http://www.cadsoftusa.com/downloads/freeware/?language=en>
- McCad: <http://mccad.com/>

Eagle looked like a good choice, although several people mentioned that the user interface "left much to be desired."

Then, I remembered that I had OmniGraffle, which is a general-purpose diagramming tool. Googling around, I found several sets of electronic symbol libraries that could be used with OmniGraffle. I installed them, and generated a couple of figures for the study guide section that discusses T-network and pi-network filters. It was a reasonably good solution to my problem.

A Web solution A couple of days ago, though, someone on the local Maker mailing list, pointed me towards CircuitLab (<https://www.circuitlab.com/>), an online schematic capture tool and circuit simulator. I haven't tried the circuit simulation yet, but the schematic capture tool is really easy to use. It's much easier to use for drawing circuit diagrams than OmniGraffle.

Another benefit is that it doesn't matter what computer you're using. Because it runs in a Web browser, it doesn't matter whether that browser is running on a Mac or a PC or even a Linux box.

If you set up an account, you can save circuits to your "workbench." To get you started, there are some sample circuits, such as the 555 timer circuit shown in Figure 1. There's also some decent documentation and a forum where you can discuss circuits and get some help.

Finally, the price is right, too. It looks like using CircuitLab is completely free. I couldn't find any pages that required payment.

=====

When not searching the Web for circuit design tools, you'll find KB6NU working 30m CW and twittering away about his contacts. His Twitter id is @kb6nu. He would love for you to follow him there. If you don't tweet, you can still read his blog at www.kb6nu.com.

Emergency Reference Information for Amateur Radio Stations (Revised March 12, 2012)

Telephone Numbers

(List name and/or number)

State Police 397-5115

Sheriff 397-3333

Police 911 See Local Town

Fire Department 911 See Local Town

Ambulance 911 See Local Town

SM - Frank J. Piper, KI8GW – Home: 614-589-4641 ki8gw@arrl.org

SEC – Matt Welch, W8DEC– Cell: 440-336-0295 Work: 440-585-7388 w8dec@arrl.net

Ohio Section PIC – John W Sovik, KB8WPZ– Phone: 330-793-4058 Cell: 330-727-7881 kb8wpz@arrl.net

DEC – Jay Bookwalter, KC8GNL – Home: 419-529-3696, Cell: 419-610-4805 kc8gnl@embarqmail.com

EC – Ruben Clark, KB2SAI – H: 326-4154, Cell: 501-8106, W: 392-9246 kb2sai@mvarc.net

AEC – Arlin Bradford, KD8EVR – H: 397-5908, Cell: 263-0473 W: 627-0922

AEC – Mark Bisenius, AC8FV – Cell: 602-794-6262 ac8fv@hotmail.com

KCARES Net Mgr - Ruben Clark, KB2SAI – H: 326-4154, Cell: 501-8106, W: 392-9246

MVARC, K8EEN, Repeater Trustee – Don Russell, W8PEN, 740-397-0249

National Weather Service (SKYWARN) 1-800-262-9683 — Cleveland

Red Cross 397-6300, 300 N. Mulberry St., Mount Vernon, OH

Salvation Army 392-8716, 206 E Ohio Ave., Mount Vernon, OH

National Guard 397-4330

Skywarn 1-800-262-9683

Knox ARRL PIO - E. Michael McCardel, KC8YLD, Cell: 599-6614, W: 427-5352

Official Observer Coordinator -- Richard L Swain, KK8O, 419-468-6050

Local Official Observer – Tony Spiegel, KC8UR, 392-7586

		<i>Frequency</i>	<i>Local Time</i>	<i>Days</i>
KCARES Net	K8EEN	146.790 MHz	9pm	Sunday
MVARC Net	KD8EVR	442.100 MHz	9pm	Wed
RACES Net	SEE KCARES			
SKYWARN Net	K8EEN	146.79 MHz	As Needed	As Needed
SECTION/LOCAL NETS				
OSSBN		3972.5 KHz	10:30am, 4:15, 6:45pm	Daily
Ohio Slow Net (CW)	OSN	3708 KHz	6:10pm	Daily
D8RN (SSB)		3865 KHz (7240 KHz)	12:30pm, 4:30pm	Daily
Red Cross/ARES Frequency		147.42 MHz	As Needed	As Needed
SATERN		14265 KHz	As Needed	As Needed

(Salvation Army Team Emergency Radio Network)

ARES Section Wide Emergency Assignments

Administrative 3.8750 MHz
7.240 MHz

Emergency 3.9870 MHz

Traffic 3.9725 MHz

DATA 3.6050 MHz

CW 3.5770 MHz

Local Frequencies for Monitoring

WWG57, Butler, OH NWS Radio 162.4500 MHz

Knox County Fire 154.3250 MHz

Knox County Law Enforcement Repeater 159.3300 MHz

Mount Vernon Fire 159.0450 MHz

Mount Vernon Police 154.7400 MHz

WX District Net Cleveland District 3 146.9400 MHz

National Red Cross Radio Agency Frequencies 47.4200 MHz

155.1600 MHz

National Amateur Calling (Wilderness) 52.5250 MHz

146.5200 MHz

National APRS 144.3900 MHz

What to report:

Caller's name
Location – Situation
Injuries: number, extent
Fire?
Traffic blocked?
Need assistance?
Weather conditions?

Skywarn Frequencies

Knox 146.79
Richland 146.94
Licking 146.88
Ashland 147.105
Holmes 146.67
Coshocton 147.045
Morrow 146.775
NWS Backbone 52.68
Monitor Only!

KD8EVR Repeater 442.100 MHz PL71.9 +5MHz

Echolink Codes for W8PEN link via KD8EVR/R

00 Connect to a Random Node
01 Connect to a Random Link
03 Connect to a Random User
08 Echolink Status
09 Reconnect to the last Node
79 K8EEN-R: Mt. Vernon, Ohio
80 K40BX-R: Hatteras Island, N.C.
82 KG8FV-R: Polk, Ohio (Ashland County)
84 W8DF-R: Battle Creek, Michigan
100: KD8EVR: KD8EVR'S Computer

CXXXX Connect to a known Node where XXXX is the Node Number.

Node Number to the KB2SAI link is: 83753

Node Number to the W8PEN link is 376872

Ohio Section, District 6 (and more) Net Schedules

Central Ohio Traffic Net (COTN) – Daily at 7:15pm on **147.240** (K8DRE, Capital City Repeater Assoc. Worthington)

Burning River Traffic Net – Daily at 9:30PM on **147.150** (Cleveland and North Central Ohio)

Ashland ----- Club net Tuesday night at 7:30PM on **147.105** (71.9pl) [except 2nd Tuesday which is club meeting night.]

Crawford ---- Galion ARC – Tuesday nights at 8PM on **146.850** (71.9pl)

Holmes ----- Tuesday night —watch net! at 9PM on **146.670** (71.9pl)

Hancock ---- Wednesday Night at 8PM on linked **147.150** (88.5pl) & 444.150

Marion ----- Wednesday nights at 8PM on **146.300** (71.9PL) *If repeater is Down use 146.460 simplex*

Richland ---- Wednesday Nights at 9PM on **146.940** (71.9 pl)

Wayne ----- Wednesday night at 9PM on **147.210** (71.9pl)

SKYWARN – Wednesday Nights at 9 PM on **52.68** (Open *only* to registered Back-Bone operators.) Feel free to listen in.

Ashland ----- ARES net Thursday night at 7:30PM on **147.105** (71.9pl)

Huron ----- Sunday Nights at 6:30PM on **146.865** (110.9pl)

Wyandot ---- Sunday night at 7PM on **147.210** (107.2pl)

Knox ----- **Sunday Night at 9PM on 146.790 (71.9pl) *If repeater is Down use 146.790 simplex***

Knox ----- **Wednesday Night 9PM on 442.100 (71.9pl) *If repeater is Down use 442.100 simplex***

Seneca ----- Sunday Nights at 8PM on **145.450** (107.2pl)

SSTV NET – Sundays Nights at 8PM on **145.230** (NO PL)

Morrow ---- Sunday night at 9PM on **146.775** (71.9pl)

Crawford ---- B.A.R.C. – Sundays at 9PM on **147.165** (88.5 pl)

Northern Ohio Simplex Net – 4th Sunday Each Month at 4:30PM on 146.430. – They will use relay stations for the distant stations on this net, so please give it a try. It will originate from Tiffin with Karl Erbland K8ARL as net control.

NOTE: District 6 is made up of Ashland, Crawford, Hancock, Holmes, Knox, Marion, Morrow, Richland, Wayne and Wyandot Counties.

National Traffic System Nets (Local Time)

D8RN (Early) 12:30 PM 7240 KHz

D8RN (Late) 4:30 PM 3940 KHz

EAN (Mon-Fri) 2:30 PM 7240 KHz

DEAN (Sat, Sun) CW 2:30 PM 7050 KHz

8RN (Early) CW 7:45 PM 3530 KHz

8RN (Late) CW 9:30 PM 3530 KHz EAN CW 8:30 PM 3679 KHz

OSSBN Traffic Net 10:30 AM, 4:15 PM, 6:45 PM 3972.5 KHz

OSSBN Alternate Frequency 3968 KHz

BN (CW Net) 6:45& 0:00PM 3577 KHz

BNR (Teletype) 6:00 PM 3605 KHz

Ohio Section ARES Net 5:00 PM 3875 KHz

OSN (CW Ohio Slow Net) 6:10 PM 3708 KHz

COTN (Cent OH Traffic Net) 7:15 PM 147.240 MHz

Independent Net (Phone) 9:00 PM 3985 KHz

National Red Cross Frequencies

VHF - Low Band Operations

Channel	Description	FREQ
1 RED	Primary	47.4200
2 BLACK	Secondary	47.4200
3 TAN	Alternate	47.4600
4 Yellow	Backup	47.6600
5 Orange	Tactical 1	47.5400
6 BLUE	Tactical 2	47.6200
7 Purple	Tactical 3	47.5800
		43.0000

VHF - High Band Operations

Description	FREQ
Ch1 PRIMARY	155.1600
Ch2	155.2200
Ch3	155.2800
Ch4 BACKUP	155.3400
Ch5	155.4000
	154.5150
	154.6000

K8EEN Repeater 146.79 MHz PL71.9 -600KHz

GENERAL CODES

TRANSMITTED TONE:

- 367** Repeater in Weather Watch mode
- 368** Repeater in Weather Warning mode
- 369** Repeater in open operation
- 388** Repeater in net operation
- 377** Repeater in PL mode Normal Repeater Mode

TIME OF DAY: 17 (un-key)

DTMF PAD TEST: 16XXXXXXXXXX

(un-key)

SIGNAL REPORT FROM REPEATER: 24*

(un-key)

PL ACCESS: Tone required: 71.9 Hz.

For radios without PL, enter 15 on the keypad. After one minute of no activity, the repeater will reset to PL and require 15 to be entered again.

ECHO LINK CODES: (KB2SAI Link)

#8123 Echo Link on

#8159 Echo Link off

To access a known Echo Link node, enter #CXXXXX, where XXXXXX is the node number.

To disconnect from a node, press the # key.

Node Number to the KB2SAI link is: 83753

Node Number to the W8PEN link is 376872

Disconnect for a Station or Node.