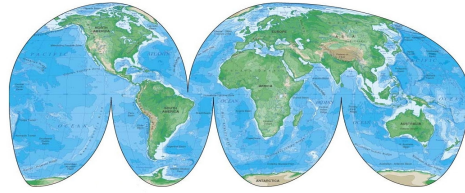


MOUNT VERNON

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AMATEUR RADIO CLUB November 2004

MEETINGS: SECOND MONDAY OF THE MONTH AT THE BIG BROTHERS OUTER LIMITS 7:00 PM
REPEATER FREQUENCIES: 146.790 (-) K8EEN 444.750(+) KC8YED
SPEED DIAL #S 7770=AAA (Howard St. Garage) 7771=Sheriff 7773=Police 7776=Highway Patrol
7778=MV Fire 7779=Report Repeater Problem # to shut off Auto Patch

FROM THE PRESIDENT

My Fellow Hams,

Greetings! Hopefully all of you will be receiving this newsletter in a timely manner this month. Thanks to Phil (N1GTZ) and Don (WA8YRS) for taking the time to publish, print, and deliver the newsletter. I have faith that we will get our newsletters consistently each month.

Hopefully everyone is enjoying the nice fall weather we have had lately. If you're like me, however, you aren't looking forward to winter very much. Now is the perfect time to start thinking about emergency supplies for the winter. Items like candles, kerosene heaters, generators and extra gas, food and water can all come in handy should a bad storm arise or the power go out for extended periods of time. I certainly hope those things aren't needed, but it's nice to know you have them if you need them.

Thanks to Don (WA8YRS) for covering last month's meeting for me. I was able to get some important things done that I needed to finish. I urge all of you to try to come out to this month's meeting. We will be voting on officers for the coming year as well as discussing our Christmas Banquet. And now that I've mentioned the Banquet, it brings me to another point: We need dues money now! The money from your dues helps us pay for supplies, and to organize events such as the banquet itself. If you have not renewed already, please consider doing so soon. If you know anyone interested in joining the club, please give them our information as well.

You may have noticed that our club website (<http://www.mvarc.net>) has changed. I finally have an update in place and plan to keep it updated. We will be adding more to it as time permits. Please take a moment to visit the site and register. Once registered, you will have access to members-only information and be able to post in our forums. Enjoy the site; it's for you!

That's about all for now. I hope to see you all at the meeting; if not, have a great month!

73's

Ruben Clark

KB2SAI

MVARC President

Letter from the Editor

Not much to add this month. In regards to October's newsletter being late: Don, WA8YRS, said it all in his article so no need to repeat it here.

The only other thing I have to add regards the crossword puzzle: Steve, KC8YED, continues to have technical difficulties with his puzzle generating software. He has contacted the writer so hopefully he will have it working in time for December's newsletter. Once again I'd like to thank the ARRL website for this month's crossword.

Phil
N1GTZ

Attendance October 11, 2004 Monthly Meeting

Name	Call	E-mail (if not already on record)
1. Phillip Buble	N1GTZ	
2. Jeff Butz	N8SMT	
3. Emily Bain	KC8YAE	
4. Dave Rankin	K4AWO	k4awo@juno.com
5. Jerry Walker	KB8JAA	
6. Don Russell	WA8YRS	
7. Dan Crowthers	KB8TEX	dan.crowthers@ecr.net
8. Harold Rush	AB8BI	ab8bi@arrl.net
9. Steve Dick	KC8YED	stephen.dick@core.com
10. Mike McCardel	KC8YLD	emike@mccardel.net
11. Bob McBride, Sr	N8QPM	
12. Bob Bruff	N8PCE	bruff13@yahoo.com

Minutes October 11, 2004 Monthly Meeting

Meeting called to order at 7:06 pm local time.
Treasury Report: 1004.13 in savings (repeater fund) 173.95 in checking.
Old News:

Issue 1: SET exercise was held this month. MVARC does not generally hold a separate SET exercise.

Issue 2: The latest word is we will probably be able to stay in the B.B.B.S. building even after it is sold. This, of course, is contingent on the rent being asked by the new owners.

New News:

Issue 1: Dave Rankin and Dave Patton attended the EOC seminar. It was a well attended event but only two hams made it. It was noted that the radio room is separate from the EOC communications room. Communication between the two is by messenger. Nationwide radio coverage is also provided for by equipment in the same room. Testing the simplex range of EOC's antenna system should be planned for some weekend. Use of a simplex repeater to check range of both EOC and hospital antennas was discussed.

Issue 2: Morse Code class starts this Thursday in Library room C. Classes start at 7:00 pm local time. An all class exam session is being held in Mansfield October 16th. The ARRL website has the address.

Issue 3: The yearly Banquet Meeting will be at Ryan's at 5:00 pm local time Sunday, Dec 12th, 2004. All are welcome.

Issue 4: The radio giveaway will be discussed next month.

Issue 5: Sheriff's office has a ham radio setup to be used by two hams in an emergency. Radio room needs to be cleaned out.

Issue 6: The newsletter was late going out to the membership again. To correct this the club laser printer will be retrieved from Jeff. Don, WA8YRS, will take over printing and mailing the newsletter. I will continue to compose and edit it.

Issue 7: That time if the year has come to vote for club officers. Don, WA8YRS, volunteered to be considered for VP. Dave, K4AWO, volunteered to be considered for club president. I will remain secretary and Bob, N8PCE, will remain treasurer. No vote was taken at this time.

Issue 8: Don, WA8YRS, will co-chair with Jeff for Field day or will volunteer as "technical" adviser should Jeff accept the position.

Issue 9: Jack Parker has two antennas he needs taken down. An 80 foot tower can be had for free to anyone who will take it down. Contact Bill Riley (740) 392-7027, 533 Baldwin Hts Circle.

Meeting adjourned at 8:29 pm local time.

50/50 drawing was won by Don, WA8YRS.

Notice

Anyone having any club records from the past should bring them to the next club meeting. This includes anything that would appropriately belong in the secretary's records, such as meeting minutes, legal documents or correspondence. Barry N8PPF will attempt to organize whatever can be located.

REPEATERS AND STUFF **By Don Russell, WA8YRS**

Welcome to November. Boy, the year is fading fast isn't it? The 2-meter repeater seems to have settled down after a bout with desense and some funny noise on the audio line that I attribute partially to desense. The main problem was in the cables on the output side of the duplexer. Someone (not us) had left the top cap of the water tower open. Water was leaking down onto our repeater cabinet and working its way inside. I had to replace all the connectors on that side. I also tried replacing the coax cable on that side, though I thought I knew what length to make them, we still ended up with desense. Going back to the old cables cured the problem so I left it alone. I think the wet cables were causing us some audio problems for a while, but that seems to have cleared up. Maybe they finally dried out. I am going to research what length the cables need to be and try again later; especially if any of the problems come back. The repeater itself was not damaged by the water and continues to work perfectly. It was mostly wet cables and connectors causing all the problems.

At the October meeting, the membership addressed the problem of the Newsletter being mailed out late. I am now in charge of printing and mailing out the Newsletter. Phil will stay on as the Newsletter editor. As of the date I am writing this (10-18-04), the October Newsletter has not been mailed out. Phil put a lot of work into that newsletter and I feel it should be delivered even if a bit late. Here is how we will handle it:

Ruben will put the Newsletter on the web page. Phil will then e-mail everyone he has e-mail addresses for and inform them as to the location of the Web page. You can go to that location with your web browser, or you can download the file itself and read it, print it, or what ever. Then Phil is going to let me know whom he did not send an e-mail to. I will then snail mail a copy of the Newsletter to those not on Phil's e-mail list. This has already happened by the time you read this. I just wanted everyone to know what was going on. I have printed up 25 copies on my ink jet printer. That should be enough

to cover us, but I can print more. The quality is not the same as the laser jet, so with any luck I will have the clubs laser printer available for the November Newsletter.

For those members considering not renewing their membership to the club due to the Newsletter being delivered late, or never in some cases, please let me assure you that things will change. I am determined to mail the Newsletter the Monday or Tuesday before meeting night. You will be receiving your Newsletter the week before a meeting. We need your support to keep the repeater and autopatch running and also to pay other bills such as printing and mailing the Newsletter. Phil and I have been talking about starting to e-mail the Newsletter to everyone who wants it that way. We will follow the procedure outlined above and plan on testing the system with the November and December Newsletters. We will also send out hard copies those months. I am shooting for e-mail only to those that prefer it starting January, 2005. This save the club tons of money. An additional advantage to club members is that they will get to see the expanded version of the Newsletter on the web rather than mailed the five page limited edition. I also plan on having a few extra hard copies of the expanded Newsletter on meeting nights. I will start with five copies and if more are required, I will increase it the next month.

It may be a bit early to mention this, but I think the club should start planning for next year. If we wait until next year to plan, it will be too late. Looking back over 2004, the club had a really good year. The club sponsored a Morse Code class, a Technician theory class, had a very successful Field Day, and made some headway in being recognized as a viable group to provide emergency communications. Those that missed the meetings missed a lot of fun, as I think we always have a good time at our meetings.

I would like to see the club do better next year. Here are some things I would like to see the club involved in:

1. Organize a transmitter hunt and picnic. For those of you that have never been on a transmitter hunt, it is a lot of fun. Oh, I have never been on one myself, but I know I would love it.
2. Have another successful Field Day and picnic. Last year was a huge success. We could have had more members at the picnic though. Lets build on our success.
3. How about participating in the Scout Jamboree. I have done this before, but the club has never taken it on as a project. This event is in October. It is a chance to introduce lots of young people to the world of ham radio. Lets go for it.
4. I challenge our Emergency Coordinators to come up with a real SET (Simulated Emergency Test). We have not done one of these in years. Maybe invite the EMA and / or Red Cross to help develop a training exercise specifically to test our skills at communicating.
5. Continue our Code and Theory classes.

I could go on, but I think these items would be a real bonus for our club.

We would need a Chairperson for each event. Of course, Field Day is already covered. I will also continue on with the Code and Theory Classes unless someone else wishes to do it. The rest of it is pretty well open. Come to the meetings and lets talk about these things.

Another thing I would like to see personally is a group of club members get together and try our hand at EME (Earth to Moon to Earth, or Moonbounce). Several of us have most of the equipment already. Besides the 2-meter transceiver we would need a power amp of about 200 watts, and a minimum of a 4 bay antenna. I think it would be a lot of fun. Anyone interested in this let me know and we will meet somewhere and talk about it. Can you imagine inviting the Mt. Vernon News to witness our successful attempt at moonbounce communications?

Sorry that this article is so long. There were a lot of things to think about. I hope it held your interest. See you at the November meeting.

Vacuum Tube Daze

A Tongue-in-cheek look at the days when tubes ruled.

By Phillip Buble, N1GTZ

Episode 4: In a cat's eye.



I admit it, digital entry command tuning is cool. Punch in the number and there you are, no fuss, no bother, no guesswork - no "tuning." Old radio dials left something to be desired as far as determining exact frequency but what they lacked for in frequency readouts they gained in other areas. In fact they had three great advantages over cheap radios that still need to be tuned. For one they had a real dial; for two they often had a tuning indicator and for three that dial was geared down, no attempt was made to turn the tuning capacitor rotor or move the tuning slugs directly. This kind of "direct tuning" is the work of the devil and should be banned - burn them at the stake! Especially where FM is concerned direct tuning of this type is an exercise in futility for anyone over 45.

Why get so cheap? Even the radio on Gilligan's Island had a geared dial and that was just a AM set. Has the price of dial cord suddenly gone through the roof? If stringing dial cord is too labor intensive can't something else be devised? The same thing with tuning indicators. Now to be reasonable I can't expect to see the old cat's-eye indicator any more. Beautiful as it was it was a vacuum tube in its own right and as such used the same high voltages as the rest of the set. Those are long gone. Be that as it may can't something else be substituted? If Kodak can produce an entire camera complete with film AND electronic flash for 10 bucks is this asking so much of a 10 dollar radio? I don't thing so.

Car radios are another matter. They have to be tuff to take the heat and vibration so nearly all of them have already converted over to command tuning with digital readouts. But what happened to the 5 buttons along the bottom? OK engineers listen up. Those 5 buttons were damn convenient as was the method of setting them. Just tune the station, pull the button out and push it back in again. You can try for 100 years but no other form of setting the station into digital memory and retrieving it will be as easy or fast.

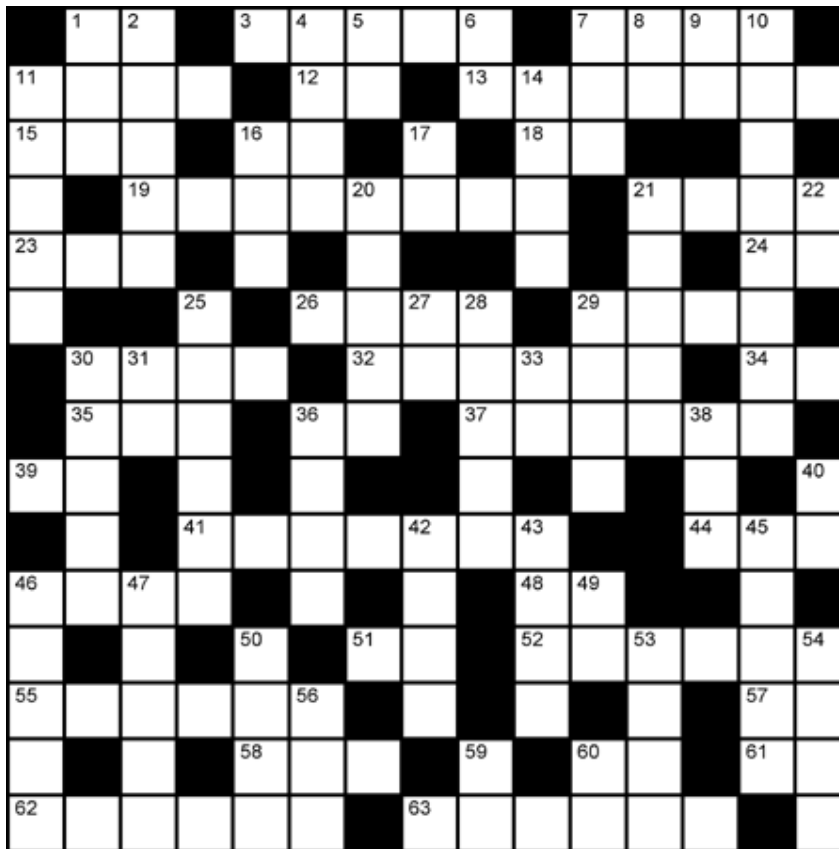
The End.





Last total Lunar Eclipse until 2007!

From the Ground Up



By H.
Ward
Silver,
N0AX
October 6,
2004

Across

- | | |
|--|---|
| 1. Vertical's counterpoise (abbr.) | 51. Number (abbr.) |
| 3. Following | 52. Holds the end of 45 Across |
| 7. Dry lubricant powder | 55. Sections inside each other |
| 11. Worn for safety | 57. Prefix for Zone 13 entity |
| 12. ARRL observer (abbr.) | 58. Type of microwave feedpoint amplifier (abbr.) |
| 13. Force in a cable | 60. End of message (CW abbr.) |
| 15. QRV and QRT can use this same abbreviation | 61. Home state of Ten-Tec (abbr.) |
| 16. Ham radio (abbr.) | 62. List of errors |
| 18. Impedance matcher (abbr.) | 63. Wheel and hook used for pulling with a rope. |
| 19. Used to form an end on guy cable | |
| 21. Certification that you passed a test (abbr.) | |
| 23. Protected by steel in your shoe | |
| 24. Controlled by radio (abbr.) | |
| 26. Deliver concrete | |
| 29. Speed of work | |
| 30. Line that carries antennas over guys | |
| 32. What you feel like after a boo-boo | |
| 34. The mode that uses RY for tuning | |
| 35. Workplace (abbr.) | |
| 36. Mark, as used in model names (abbr.) | |
| 37. Tightens with a turn | |
| 39. All is right (abbr.) | |
| 41. Short safety line | |
| 44. Stabilizing line | |
| 46. Where the concrete goes | |

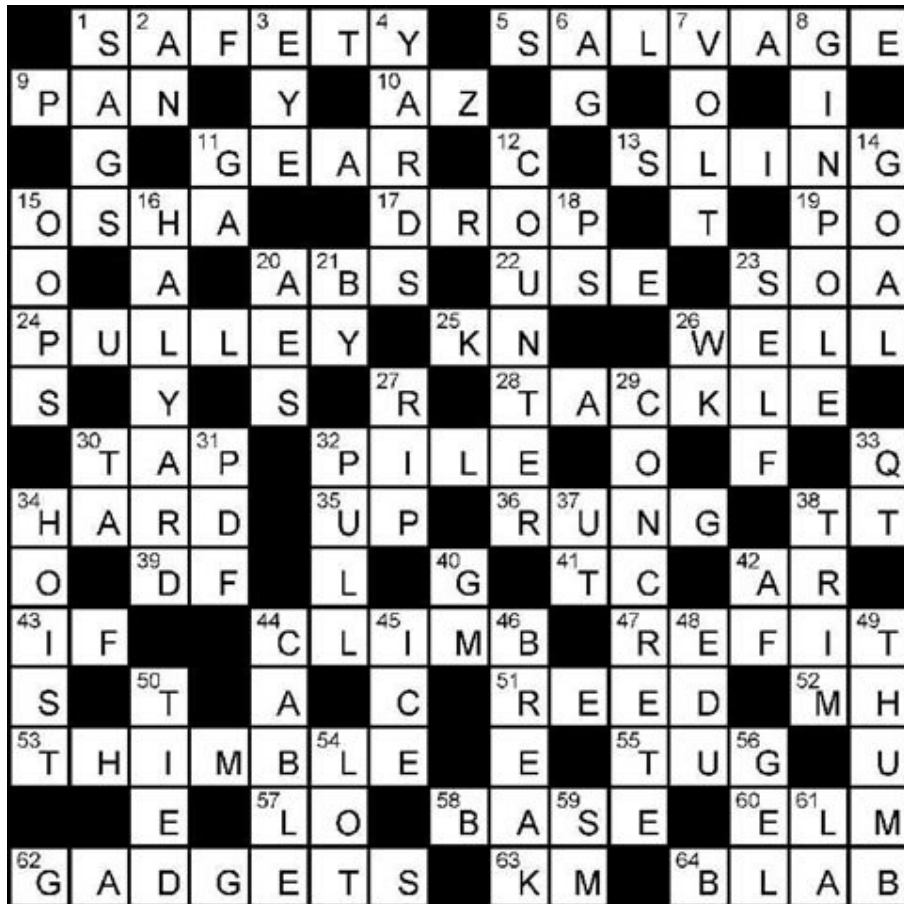
48. As an example (abbr.)
Down
1. Retrieve
 2. Flat piece of metal
 4. Wooden structure to hold concrete
 5. Take off (abbr.)
 6. Right (abbr.)
 7. Makes 47 Across in a hurry!
 8. Stand by (CW abbr.)
 9. Light metal used in batteries (Chemical symbol)
 10. Mixture that becomes a solid mass
 11. Threaded connector
 14. Not hard
 16. Strike
 17. Product safety test organization (abbr.)
 20. Prevent from sliding
 21. Offset handle to turn a shaft
 22. Local ARES leader
 25. Goes with block
 27. Your (CW abbr.)
 28. Metal rods used for strengthening
 29. Select
 30. Hi-Power Labs
 31. Causes burns on the microphone
 33. Appreciation (CW abbr.)
 36. These hands make light work
 38. What hold the tower up
 40. Adjacent to
 42. Unit of land area
 43. The side of a cable loop not saddled
 45. Double-threaded, holds round things to flat things
 46. Linear pivot
 47. Coherent light source used for surveying
 49. Good night (CW abbr.)
 50. Bump left after a blow
 53. The process of 10 Down becoming solid
 54. Cross-piece
 56. Carries the genetic code
 59. Pick up (abbr.)
 60. Most common antenna material

A Pause for Thought

“By any reasonable plan I’ll make you happy,
if I can; My own convenience count as nil;
It is my duty, and I will.”

W. S. Gilbert, “Captain Reece”

Solution to last month's puzzle.



UF
O
Inv
esti
gates
KC
8Y
ED
Re
peater!
26
OC
T
04
Photo by
Barry
N8P
PF



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Membership Form

Club dues run from Jan. 1 until Dec. 31 and are collected during the last quarter of the year. You can mail in the dues to the address below or bring them to a meeting.

Dues Schedule:

\$20 regular

\$10 for second member in the same family

\$10 for over 65 yrs. of age

\$15 for those living outside Knox County

Mt. Vernon Amateur Radio Club

P.O. Box 372

Mt. Vernon, OH 43050

Name _____ Call-Sign _____

Street _____

City _____ State _____ Zip Code _____

Phone Number _____ License Class _____

ARRL Member (Y/N) _____ E-Mail _____

Extra Donation (Optional) _____

Members are entitled to a free MVARC E-Mail address. Would you like one? No _____ Yes _____

If yes please enter password _____

Other Comments _____

Classifieds

Only Need to Ask, Inc
3851 Columbus Road
Centerburg, Ohio 43011

740-625-6659
740-625-6649 fax

onlyneedtoask@core.com

2way radio Sales & Service

NEXTEL[®]

AUTHORIZED REPRESENTATIVE

Your total communication shop.

Nextel authorized representative

Special right now, Free Phone and Free car charger with every NEW activation of 2years.

=====
Stuff I need to sell.

I have all this stuff at my house except the antennas and related stuff.

I would like to sell this and all you need to do is make a good offer.

The Satellite antennas and stuff are up on the smaller tower and can be taken down.

E-mail me at bruff13@yahoo.com or call 379-3555 or cell 358-1169

KLM 34XA 6 element beam

2 Diamond 500 2 meter verticals

21_2_ mast pipe

Hygain Tail twister rotor

2 meter circular polarized beam of satellite work

440 MHz circular polarized beam for satellite work

Yeasu AZ/EL rotor for satellite work

2 meter preamp for satellite

Astron RS 35M power supply

Astron rs50 power supply

Yeasu YS500 140-525 Mhz. Swr and power meter

Mirage D3010 430Mhz. Power amp for Satellite station

Yeasu Ft-736R satellite radio

Yeasu desk mic

MFJ electronic keyer and Bencher paddles

Kenwood th-215a hand held 2 meter

Kenwood th-225a hand held 2 meter

2 Motorola extension speakers

Kenwood extension speaker

Alinco DJ-599 Dual band 2 meter mobile

2 Kenwood TM241a 2 meter mobiles

Kenwood TS440SAT HF radio with antenna tuner

Kenwood MC-60 Desk Mic

Kantronics Kamplus TNC
Old 386 computer and monitor for packet station
Quantum Ham Battery
Radio Shack frequency counter
MFJ swr analyzer for 2 meters
MFJ swr analyzer for 440 Mhz
MFJ swr analyzer for HF bands
Jar full of misc connectors
Aprox 1000_ of coax cable going up the tower
Rotor cable for both rotors.
Misc. ham books.
There are owners manuals for about all this stuff and some boxes that I haven't gotten from the other house. I have a lot of stuff so if you are looking for something just ask

Bob Burff N8PCE

=====
Yaesu FT-901-DM All Mode, SSB, AM, FM Transceiver 160 through 10M, use as stand alone fixed, mobile operation or exciter for linear amplifier and

Yaesu SP-901-P Combination matching speaker with built in phone patch.
\$350.00

Dentron MLA-2500 Full 2KW Linear Amplifier all bands 160 through 10M. Factory installed 10M band came with original purchase just before FCC made it illegal to sell linear amplifiers in the US covering 10 meters.
\$450.00

Matching Dentron 3000A all band combination antenna matching network and SWR Bridge with Dual Large Face Meters, 160 through 10M. Rated for full 2KW SSB input.
\$140.00

This equipment is fully operational, cosmetically like new, no modifications and includes all manuals. I am the original owner and purchased this equipment new.

Rhon 50ft Tower with commercial tower climbing safety belt. Good condition.
\$50.00

Wilson 6 element triband beam (20, 15, 10M) in reasonably fair condition including a complete set of brand new element loading coils.
\$30.00

Cornell Dublier model H-IV-CD-45 Controller and Heavy Duty Rotor
with brake. Reasonably fair condition.

\$30.00

If all equipment is purchased together I will sell for a reduced price.

Bruce Anderson W1VOT
112 Academy Ct.
Gahanna, OH 43230
Phone: 614-471-3899, Cell 614-208-6487
Email: Anderson.309@osu.edu