



The Airwaves Journal

Volume 23

Issue 02

October, 2006

Upcoming Scheduled Meetings..

October 29th – Time Change. Turn your clocks back 1 hour

November 3rd – IARC Meeting - Madison Township Hall – 7:30pm

Guest Speaker will be a surprise..

**The Journal for Amateurs
World – Wide..**

LINKS - Inside This Issue

Ohio Hamfest Section Conference Details	Page 2
Ohio V.E. Testing Locations	Page 3
Club Meeting Minutes	Page 4
Web Site Stats	Page 5
Local Stories	Page 6
National News	Page 8

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Deadline for articles is the 10th of each month, to ensure that it will appear in the next issue.

Articles submitted to this newsletter may be edited for length and/or content prior to publication.

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This newsletter is distributed world-wide, and it is published monthly with the combined efforts of the membership of IARC.

Ohio ARRL *Approved Hamfests for 2006..

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Dates	Event and Contact	Location
29 Oct 2006	Hamfest and Auction Massillon ARC http://www.marcradio.org Talk-In: 147.180+ (PL 110.9) Contact: Terry Russ, N8ATZ 3420 Briardale Circle NW Massillon, OH 44646 Phone: 330-837-3091 Email: truss@sssnet.com	Massillon, OH Massillon Boys & Girls Club 730 Duncan Street SW Div: Great Lakes Sect: Ohio
11 Nov 2006	Grant ARC http://www.garcoho.net/ Talk-In: 146.73 Contact: Alvin Norris, W8UJM 200 South Green Street Georgetown, OH 45121 Phone: 937-378-6041 ext. 222 Fax: 937-378-6041 Email: W8UJM@earthlink.net	Georgetown, OH ABCAP Building 200 South Green Street Div: Great Lakes Sect: Ohio

IARC Board of Directors

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	Scott Yonally, N8SY	n8sy

* Denotes repeater trustee

Ohio ARRL V.E. Testing Locations..

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Date	Contact Person	Telephone	City
21-Oct	RICHARD E FLETCHER	(419)886-2463	MANSFIELD
21-Oct	HOWARD W FULLER	(419)654-4044	ARCHBOLD
28-Oct	THOMAS L COPELAND	(419)826-7401	SWANTON
28-Oct	ROBERT E HIGH	(419)795-5763	VAN WERT
28-Oct	ROBERT C GAUSS	(330)562-3328	BENTLEYVILLE
29-Oct	GARY L KLINE	(330)837-2927	MASSILLON
29-Oct	KARL S ERBLAND	(419)447-0266	TIFFIN
31-Oct	RONALD D LIEVING	(330)724-5981	AKRON
4-Nov	DALE W PRITCHETT	(513)769-0789	CINCINNATI
5-Nov	STEPHEN B ECKARD	(740)499-3565	MARION
5-Nov	BRYSON R CARTER	(740)446-4193	RIO GRANDE
7-Nov	JAMES J AYLWARD	(330)297-7979	RAVENNA
11-Nov	THEODORE WILSON	(513)868-7012	HAMILTON
11-Nov	BRIAN C DE YOUNG	(859)635-3095	CINCINNATI
11-Nov	STEVEN L STALKER	(419)467-3734	MAUMEE
11-Nov	SCOTT A RYAN	(614)451-0113	COLUMBUS
12-Nov	GARY S DEWEY	(216)642-8705	INDEPENDENCE
12-Nov	HENRY W BUSSEY	(937)657-0464	DAYTON
16-Nov	JAMES T VIELE	(330)534-1394	YOUNGSTOWN
17-Nov	F E DEMPSEY	(740)286-3239	JACKSON
18-Nov	HOWARD W FULLER	(419)654-4044	ARCHBOLD
18-Nov	RONALD F WINKE	(419)332-9462	FREMONT
19-Nov	KARL S ERBLAND	(419)447-0266	TIFFIN
19-Nov	CHARLES S HALL	(216)433-3036	ELYRIA
19-Nov	TOM J ODELL	(740)380-3577	LOGAN
19-Nov	BRYSON R CARTER	(740)446-4193	RIO GRANDE
21-Nov	LUTHER T GANTZ	(419)684-7864	SANDUSKY
25-Nov	THOMAS L COPELAND	(419)826-7401	SWANTON
26-Nov	WILLIAM H SHOWERS	(330)872-1929	NEWTON FALLS

Murphy's laws..

- *The speed with which components become obsolete is directly proportional to the price of the component.*
- *Software bugs are impossible to detect by anybody except the end user.*
- *The maintenance engineer will never have seen a model quite like yours before.*
- *It is axiomatic that any spares required will have just been discontinued and will be no longer in stock.*



IARC Minutes

October 6, 2006

The meeting was called to order by President Phil Ackerman N8PA. Around of self-introductions was given.

Motion to approve the minutes as printed in the newsletter with the exception noted that John Lehman Jr. wished it noted that he felt the minutes were inaccurate as to what reported that he said, was made by Jerry Miller N8GJ and Seconded by bill Reese.

The treasurer's report was given by Dean KB8MG. Motion to accept was made by Jack K8RT and seconded by Henry WD8Q.

Health and Welfare – Card sent to Larry N8DOT on the death of his mother and to Mike Bailey's wife who was hospitalized. Ron Thompson KB8QDA is at home now recuperating from injuries from a motorcycle accident.

ARES – Danny KB8STK reported that help is needed for the Halloween Parade on October 24th. See Rob or Danny. The Fall 'n' Leaf Bike Tour is October 15th. Anyone wishing to help be at the Ramada Inn at 7:30am. November 13th is the Veteran's Day Thank you at the Golden Corral. October 21st is SET at 10 am on 146.940.

Special Events – Bill W8WER- no report

Training – Henry WD8Q reported the next test session is October 21st at the senior citizen center on Illinois Ave. So far no one has called to attend. Henry also asked for someone to help organize and publicize the weekend as he is quite busy with house remodeling. Also people will need to read the book before they attend. There were no takers, so it will be discussed at the next board meeting.

Membership Services – John KC8GNO reported that we are carrying 128 members on the roster with 58 having paid their dues so far.

Old Business - Jay KC8GNL reported that the committee to revise the by-laws has meet once and will probably have a proposal for next meeting.

New Business- Dean KB8MG made the motion to make the Madison Township Hall our permanent meeting place due to parking problems on the square. Seconded by Mark KC8MKL. Motion carried.

Hamfest – The prizes will be an HF Rig and power supply, 1 HT and three \$50.00 drawings at 1, 2 and 3pm. We need to get the Hamfest sanctioned yet. That is being worked on. We will need to renew the bulk mailing permit also.

Our program was presented by Rick Swain – Digital Signal Contest.

The meeting was adjourned.

Respectfully submitted,

Cathy Swank, KC8SNP

IARC Web Site Stats..

Report: Summary - iarc.ws Date Range: 09/01/2006 - 09/30/2006	
Total Sessions	7,169.00
Total Pageviews	40,955.00
Total Hits	96,806.00
Total Bytes Transferred	1.89 GB
Average Sessions Per Day	238.97
Average Pageviews Per Day	1,365.17
Average Hits Per Day	3,226.87
Average Bytes Transferred Per Day	64.40 MB
Average Pageviews Per Session	5.71
Average Hits Per Session	13.50
Average Bytes Per Session	275.96 KB
Average Length of Session	00:03:33

Help Information

Summary

The Summary shows totals and averages for Sessions, Pageviews, Hits, and Bytes for the currently selected Date Range. Visitors information is not shown here because it is only available when UTM visitor tracking is employed.

Calculation Methodology

- Session: A series of Hits to your site over a specific period of time by one visitor.
- Pageview: A request to the web server by a visitor's browser for any web page; this excludes images, javascript, and other generally embedded file types.
- Hit: Any successful request to a webserver from a visitor's browser.
- Bytes: The quantity of network bandwidth used by the files requested during the selected Date Range.

Note

Because Bytes numbers can be very large, abbreviations are used as appropriate, such as MB for megabytes (~millions of bytes). The average length of Session is displayed as hours:minutes:seconds.

ALL THINGS IN DUE TIME

By, Richard L. Swain, KK8O

This is the second part of the story "The Day of My Test" and is written in a story telling fashion.

We have all heard the saying, "a watched pot never boils" and as April 1961 came and went after I was examined for the Novice class license, I can assure you that is true. After about two weeks of waiting I would run home from school every day to check the mail for something from the FCC. Back then when you took a test from a volunteer examiner, there was no sure way of knowing if you passed the written exam until they (the FCC) told you that you did. When they did, you would know by receiving a license in the mail and if not, you received a failure notice that was in the same size envelope as the license. There was no checking the FCC web site every day to see if your application had been processed. (No home computers) May went by in much the same way as did April only I was getting home a little faster because of all the running. I did, however need to have some radio equipment at my house in order to operate on the air and had no money, no job and as I saw it no hope. That is when one of my boyhood heroes came to my aid. Fred Clinger, now WA8KJJ who back then was just Fred, suggested that I (we) build a transmitter. He had a little shop behind his house on Primrose Street that he would allow Richard Shellquist, Bill Apals and yours truly to hang around in hopes that some of the totally astounding knowledge he had would rub off on us. Well anyway, Fred told me that if I gathered the parts, he would help me build a small crystal controlled CW transmitter that would get me on the air. Somehow, between the four of us (mostly Fred) we came up with enough parts to build a single 6L6 ten to twenty watt transmitter for 80 and 40 meters. It was built and tested in one evening. Transmitter out of the way the receiver was next. When not at Fred's house I was visiting Sid, K8ZES. Sid told me about a new ham in town by the name of Bob Zurker who was working for North Electric. He had some older equipment that he was not going to use anymore and maybe he would let me have some of it cheep. **CHEEP! CHEEP! What was cheep?** I met Bob about three days later and as luck would have it, he was living out South of town in a new development called Ketterman Estates, right next door to my Uncle. WOW, is that lucky or what? Bob had a converted BC-453 (WW2 aircraft receiver with receiving converter and AC power supply) on 80, 40, and 15 meters that he was willing to part with **CHEEP. WHAT THE HECK IS CHEEP?**

I found out. Cheep back then when you were a 14-year-old poor kid from Galion, Ohio's South end is \$5.00. I borrowed \$5.00 from my mother on a promise that I would mow as many lawns as necessary to pay her back starting 10 minutes after she gave me the money. I now have a receiver. Antenna is next. No problem. George Reahl, W8DQY gave me an old power transformer to remove the wire and use it for a dipole. Sid gave me 100 ft. of coax I think was donated by North Electric and Lafayette Radio had some good ceramic insulators for 15 cents each mail order. Now I have a radio station that would do. Not only would it do, it was constructed out of the true spirit of Ham Radio. During the month of May (as it was spring) I discovered a nice looking 14 year old girl living on Grand Street (about a block and a half from me) and was smitten. If she had not paid any attention to me I would not have given her a second thought. But, she did and for a few weeks, it was true love (the puppy type). May and the school year ended. Now with nothing to do but wait, SHE got most of my attention during the day. I did, however run home about 2:00 PM to check for my long lost Novice License. Now we were in to June and I had all but resigned to the fact that I had failed the written exam and would have to test again. On June 12, 1961 however, Andy Anderson (the mailman) handed me a three by five inch envelope from the Federal Communications Commission, Washington 25 D.C. He said to me "Is this the one you have been waiting for"? I smiled at him and said "yessssss"! I carefully opened it and found the license inside. I had been licensed since June 7th and did not know it. What is my call sign, **WHAT IS MY CALL SIGN?** K N 8 A I T. Huh? I ran over to Denny Popa's (K8QMC) house on Orange Street in about two minutes. As I arrived not even out of breath I was telling him that I got it and he was telling me to slow down, he didn't understand me. "My license, I got it in the mail today", I told him again. He said, "let me see it". "Why this isn't any good, come with me" he said and started for George Reahl's (W8DQY) house (next door) "Hay George" Denny said, "Rick got a useless license in the mail today". George looked at it and proclaimed as I was standing there trembling now, "that's right, no good " and handed it back to me. " You have to sign it before you can operate" George finally said to me with a laugh. I went back home and signed the license, turned on my transmitter for the first time and made my first "CQ" on 80 meters. But that took place right after George dubbed me KN8 Always In Trouble. Oh, that girl! She got lost among all the "dits and dahas" that went into space from my room that summer. The contacts I made and all the excitement even when W1AW called me can not be put into words. You must experience it yourself and most of you have.



*'Tis the Season..
From Phil Ackerman, N8PA*

No, I am not going to tell you it's only X number of days until Christmas. However, that's not all that far away.

I am not going to discuss hunting season either. Even though cleaning and oiling the artillery isn't a bad idea.

The season is Fall, and anyone who doesn't enjoy this time of year should consider moving South. Far South, like maybe Cuba. Fall isn't it either.

It's football season, although until it gets much colder, you can't really get into yelling your lungs out to keep warm. Wrong season.

It is the season for me to remind you as I have for many years to get that antenna work done. I am a month later than normal, which means if you were waiting for me to remind you, you're now as I am very late.

Its time to check out the SWR on you antennas, make sure the rotors are doing what they are suppose to, as well make sure they are pointing where the indicator is showing. Time to make sure the guy wires are in good shape; that they are tight and not rusted. Be sure that whatever the guys are hooked to at ground level is in good shape also. It's a great time to deal with tree limbs that may be getting to close to the tower.

Double-check the tower and antenna grounds, which isn't maybe so important in the winter, but will be in the spring. Make sure the coax isn't flapping in the breeze, it's a real bear climbing a tower in the wintertime to fix coax or anything else for that matter. Make sure there's a good seal around the coax where it enters your house. No sense in letting the cold air in. For years I have used expanding foam for this purpose. However, I have found a product called seal and peel, which is pretty neat if think you will have a reason to pull out the coax sometime in the future. It makes a good solid seal and hangs on to most anything, but takes a very small amount of affort to remove. Its intended purpose is to seal around windows.

So, there you have it! Your annual notice to "git-rrr-done.

Phil Ackerman N8PA



From Me..

Hi Gang,

On the following pages are lots of changes from the FCC.. Some good, and some very interesting. Make sure that you take the time to read them. They do effect you!!

Don't forget to set you clocks back 1 hour on October 29th.. Yes, time is changing again.

We will have a surprise guest speaker for November's meeting. Make sure that you attend, you won't want to miss this one.

Hamfest is starting to come alive again. We now have the 'fest sanctioned by the League and are well on the way.. Mark your calendars for Sunday, February 11th.. Saturday, February 10th will be setup day with the day starting around 11:30am.

That's it for this month.. 73 all..



FCC RELEASES LONG-AWAITED "OMNIBUS" AMATEUR RADIO REPORT AND ORDER..

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Ending a protracted waiting period, the FCC's Report and Order (R&O) in the so-called "omnibus" Amateur Radio proceeding, WT Docket 04-140, was adopted October 4 and released October 10. In it, the FCC adopted nearly all of the changes it had put forth in its 2004 Notice of Proposed Rulemaking (NPRM) in the proceeding. The R&O the FCC released this week does NOT include action on the Commission's proposal to eliminate the Morse code requirement. A Report and Order in that proceeding, WT Docket 05-235, is pending. ARRL President Joel Harrison, W5ZN, expressed the League's gratitude to the FCC for acting this week in the wide-ranging proceeding.

"On behalf of the ARRL and the Commission's licensees in the Amateur Radio Service I want to express appreciation for your release yesterday of the Report and Order in WT Docket 04-140 (FCC 06-149) amending Part 97 of the Commission's Rules," Harrison wrote October 11. "The Commission's action in clearing this pending proceeding will assist the Amateur Radio Service in meeting its objectives, particularly with regard to providing emergency and public service communications."

The new rules are expected to become effective later this year. Among the highlights in the October 10 Report and Order, the FCC:

- * "refarmed" the current Novice/Tech Plus bands to expand certain phone subbands;
- * agreed to allow Novice and Tech Plus licensees to operate CW in the General class CW subbands on 80, 40, 15 and 10 meters.
- * implemented rules to discourage multiple vanity call sign filings on the same day from the same applicant;
- * permitted auxiliary stations to transmit on portions of the 2 meter band;
- * permitted amateur licensees to designate a specific Amateur Radio club to receive their call sign in memoriam;
- * eliminated certain restrictions governing the manufacture, marketing and sale of external RF power amplifiers intended for Amateur Radio use;
- * clarified that "amateur stations may, at all times and on all frequencies authorized to the control operator, make transmissions necessary to meet essential communication needs and to facilitate relief actions";
- * deleted the requirement to publicly announce Amateur Radio examination locations and times, and
- * deleted the frequency bands and segments specified for Radio Amateur Civil Emergency Service (RACES) stations.

In response to an ARRL Petition for Rule Making, the Commission agreed to "reform" the HF segments currently authorized to Novice and Technician Plus licensees. The reallocation will expand the phone subbands for General, Advanced and Amateur Extra licensees, although not all commenters agreed with the idea.

"We are persuaded, however, by ARRL's contention that increasing the amount of spectrum for voice communications will reduce interference among stations using voice communications," the FCC said in its R&O, "thereby benefiting all licensees." The FCC said authorizing more phone spectrum would "more closely reflect licensees' operating preferences" and mean more efficient spectrum use.

Continued on page 9

"OMNIBUS"

Continued from page 8

On 75 meters, the FCC went well beyond the modest expansion the ARRL had proposed and the FCC had tentatively adopted in its 2004 NPRM. Generals will be able to operate on phone from 3800 to 4000 kHz, Advanced class licensees from 3700 to 4000, and Amateur Extras from 3600 to 4000 kHz -- greatly reducing the amount of 80-meter spectrum available for RTTY and data (the only segment where automatically controlled digital stations may operate on 80 meters is 3620 to 3635 kHz).

The FCC said the amateur community wanted as much phone spectrum as possible. "Indeed, a number of commenters argue that the NPRM proposal to increase the amount of spectrum permitted for voice communications would still not meet the demand for voice communication spectrum in the HF bands, particularly in the 80 meter band," the FCC said.

On 40 meters, Advanced and Extra Class licensees will be able to operate phone from 7125 to 7300 kHz, and Generals from 7175 to 7300 kHz. On 15 meters, General class operators may operate phone from 21,275 to 21,450 kHz.

The FCC affirmed its intention to permit Novice and Tech Plus (or Technician with Element 1 credit) licensees to operate CW in the current General exclusive-CW allocations on 80, 40 and 15 meters and CW/data on 10 meters, where the FCC provided an additional 100 kHz for Novice/Tech Plus licensees.

Novice/Tech Plus licensees still may run no more than 200 W PEP, but the Commission has done away with Novice band power limitations for higher-class licensees.

The FCC revised its vanity call sign rules to discourage the filing of multiple applications for the same call sign on the same day, and many commenters supported this concept. As implemented in §97.19(d)(1), if the FCC receives more than one application requesting a vanity call sign from a single applicant on the same receipt day, it will process only the first application entered into the Universal Licensing System. "Subsequent vanity call sign applications from that applicant with the same receipt date will not be accepted," the rule concludes.

"We are persuaded that we should adopt rule amendments to discourage multiple vanity call sign applications," the FCC said in the R&O, "and we believe that a one-application-per-day-per-applicant rule, as requested by ARRL and others, will eliminate multiple applications requesting the same assignable call sign on the same day." The FCC concedes that its one-application-per-day rule "will not prevent an individual from requesting multiple vanity call signs per se," because an applicant may request up to 25 call signs at a time.

When the FCC receives multiple valid applications from several individuals requesting the same vanity call sign as a first choice on the same day, it uses a lottery system to decide which application to process first.

The R&O also affirms changes to Part 2 and Part 97 rules the FCC had proposed regarding the manufacture, marketing and sale of external RF power amplifiers. Current FCC rules prohibit commercial manufacturers from marketing RF power amplifiers capable of transmitting on the 12 and 10 meter bands. The rules were put in place as a way to prevent use of such amplifiers by CBers.

"We agree with ARRL that the requirements imposed on Amateur Radio operators by the current rule are unnecessary because, under the present rules, 'the equipment, once authorized, can be modified to transmit on all amateur service frequency allocations,' and that revising the rule 'will enhance use of the 12 and 10 meter amateur bands,'" the FCC said.

To prevent the use of Amateur Radio amplifiers by CBers, the FCC says manufacturers of Amateur Radio amplifiers must design their products to avoid operation between 26 MHz and 28 MHz. They also must certify that amplifiers are not easily modifiable to operate between 26 MHz and 28 MHz prior to a grant of equipment certification.

Continued on page 10

"OMNIBUS"
Continued from page 9

The various rule changes become effective 30 days after their publication in the Federal Register <<http://www.gpoaccess.gov/fr/index.html>>.

A copy of the R&O appears on the FCC Web site <http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-06-149A1.pdf>.

ARRL has posted a list of Frequently Asked Questions (FAQs) regarding the R&O <<http://www.arrl.org/announce/regulatory/wt04-140/faq.html>>.

A downloadable chart shows the band changes <http://www.arrl.org/announce/regulatory/wt04-40/Hambands3_color.pdf>.

*ARRL requests members' input on recent FCC "omnibus" Report and Order..
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The ARRL is requesting member input concerning the FCC's Amateur Radio proceeding, WT Docket 04-140, released October 10. The Report and Order will not take effect until 30 days after publication in the Federal Register. This publication date is not yet known.

The complete text is available for viewing as a PDF file on the FCC Web site, http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-06-149A1.pdf.

A summary is available on the ARRL Web site, <http://www.arrl.org/news/stories/2006/10/11/100/>.

The ARRL is specifically seeking member guidance on how the changes will affect current operating activities on 80, 40 and 15 meters (see the current ARRL band plans, <http://www.arrl.org/FandES/field/regulations/bandplan.html>, and an ARRL FAQ, <http://www.arrl.org/announce/regulatory/wt04-140/faq.html>, which includes a chart showing the band changes).

Comments may be submitted by e-mail to bandplan@www.arrl.org. All e-mails will be read and considered, but individual responses will not be possible due to the message volume expected. The deadline for comments is October 31.

Back to home page.. →