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WAVEGUIDE

Lapeer County Amateur Radio Association



November

Published Monthly by the Lapeer County Amateur Radio Association

2006

*The next regular meeting will be held on
Tuesday, November 14 —7:30 p.m.
at the Lapeer County Central Dispatch Center (911)
2332 W. Genesee Street in the basement.*

The Prez Sez:

Gee two weeks and it is Turkey day!! Not like it used to be, two bites and I am almost full. Speaking of full are you feeling the same as I am about the annoying ads on the tube as well as the phone ringing off the hook wanting your attention and /or your vote?

Well as I write this I am trying to listen to CW on 3580.9 and no I do not pretend to be able to copy but it sure is a nice sound and break from the telephone.. Looking forward to seeing all of you at the meeting on the 14th. Think about what you want to have at the club meetings besides coffee and donuts ..Its your club and we the board try to provide an interesting program but it would be nice to hear from members ..What do you want??? My interests are not the same as others..

So lets hear from everyone See you on the 14th
73 Bob W8RAE

The VeeP Sez:

October has come, which means Elections have come and gone. It was a very tight race, however I was re-elected and able to keep my chair on the board as your Vice President for another year. Thanks for casting your vote.

Our 3rd Annual Christmas Party is being planned! If you have missed this event in the past then now is your time to partake in the Great Fellowship, Food and Fun! This is a **Free** Meal for you and your spouse with your paid membership dues. See Bill Miller (VD8VP) to pay your dues and save your seat. The Christmas Party is scheduled for December 12th at the Country-Side Banquet Hall located in Imlay City from 6pm-9pm. Mark Your Calendars!

73 – KC8TWL – Chris.

The Treasurer Sez:

Hello to one and all, this being the beginning of our 2006-2007 fiscal year I have to remind everyone to **RENEW YOUR MEMBERSHIP**. That said I will tell you that it has been a very good past year. Many of our members contributed much to our good name and to our treasury. We were able to get the leased tower painted, have a reasonably profitable Swap and Shop, and three successful Operation CAREs.

Since the club has done well this past year the members present at the September meeting voted to again this year have a Christmas Dinner at the Countryside Banquet Center, in Imlay City. This dinner will be free to only those members and their spouses that have paid their 2006-2007 dues by the night of the party, and reserve in advance. As you can see it will pay for you to renew your membership, as the party is a great time for all.

Thanks and 73 Bill Miller KD8VP

Club Name badges come to LCARA!

The LCARA members present at the September meeting voted to have the club pay half of the cost of name badges. A source was found that would make badges like the original ones at a cost of \$6.80 each in quantities larger than twelve at a time. Initially there were 14 members signed up for a new badge and those badges will be available for pick up at the October meeting. The cost to each member will therefore be \$3.40 each. Anyone else that wishes a new badge should sign up at the meeting or contact me KD8VP.

The EC Sez:

Howdy everyone, Happy November. Not too much to say this month, so here we go:

Ham Radio Classes:

A few people who have approached me with an interest in becoming licensed hams. Therefore, look for radio classes to be held sometime after the first of the year. Spread the word and let me know if you hear of anyone else interested.

Equipment update:

Most of the planned purchases are complete. There are only a few last minute items yet to pick-up, hopefully by months end. Next on the "To Do" list is to wire everything together, set-up the training material, then the training begins (early next year). The master plan is to have everything ready to go for the county wide SET in a few months.

Upcoming events:

November 11, 2006: EC Meeting at the NWS-Pontiac for our annual report card and info on what to expect this winter.

- The County SET is beginning to be put together – stay tuned for more details!
- Make-up exercise for the ARRL SET – some weekend between now and the end of December. It'll be a surprise, so listen to the repeater for a call-out. I will tell you it will be on a Saturday, between 9 AM and 5 PM.

Net Control Rotation for November/December:

November 6, 2006: Charlie (KC8JBK)

November 13, 2006: Bob (W8RAE)

November 20, 2006: John (KD8AWU)

November 27, 2006: Doug (KC8ZCF)

December 04, 2006: Charlie (KC8JBK)

December 11, 2006: Bob (W8RAE)

December 18, 2006: John (KD8AWU)

December 25, 2006: Merry Christmas – No Net Tonight

January 01, 2007: Happy New Year – No Net Tonight

This schedule can be changed as others are added to the rotation. We are still looking for a few good people who want to join the Net Control rotation. If you're interested, give me a call, send me an email or call me on the repeater. If you volunteer, I'll find you a spot!

Well, that's it from here. Till next month, 73 everyone,

Doug Jr., KC8ZCF

From the mailbag:

Phone Expansion on HF has arrived!

This is from the ARRL Letter dated Oct 13, 2006

[See the proposed frequency & mode allocations chart at the end of the Waveguide]

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

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 "refarm" 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.

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 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/wt04-140/Hambands3_color.pdf.
 (see below for a copy of this chart)

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 Submitted by W8RAE from the UP Net Bulletin

Why Some Hams Always Have A Radio

A known fact among experienced hikers states that flat rocks become slippery when wet and, further, that their slippage factor increases exponentially as their angle from level ground increases. Ed and I repeatedly proved this theorem correct. In fact, Ed now has a PhD in Rock Slippage Analysis. Somewhere the 10 mile point of our eleven mile hike for the day, I inadvertently challenged this analysis with my right knee, the result being that while I could hike pain-free on level ground and uphill – going downhill was a study in Pain 101. By the time we reached our first campsite in Brinks Shelter I was considering asking Guy and Ed if they could amputate my leg just above the knee to relieve me of the pain.

Instead, we put up tents & antennas and cooked dinner. It was still raining, so we cooked and ate in the shelter but chose not to sleep there in order to have protection from the mosquitoes. After dinner, we said goodnight and each of us went to our tents for a rainy night of well-earned sleep. I hooked up my rig, batteries, etc and heard John K3WWP calling CQ on 30

meters. I called him and we chatted for a while as the rain pounded the roof of my tent. After working a few other stations on 30M I decided to get some sleep, but my knee kept telling me that my chances of being able to hike tomorrow were somewhere between none and zero. After admitting this to myself, I turned the KX1 one more time.

K0RU – CW Operator and Good Samaritan Extraordinaire

Three miles from our campsite, the Appalachian Trail crosses Route 206 near Branchville, NJ. This is a wide spot in the road with a bakery, a tavern and a gas station. Not much else – no taxis, buses or any other means of escape for those with injured knee and no car. But this had to be my exit point from the hike somehow. Ed had a cell phone but we were well beyond coverage (in fact we wouldn't have cellular service until we were actually on the pavement of the road). I knew my wife had to work the next day and that she doesn't keep her cell phone with her at work & I don't have her work number memorized, so calling her from the road the next morning wasn't currently possible.

So I tuned 30 meters, looking for a strong station whose CW seemed to be conversational at a good clip in order to accurately copy what I was about to ask him to do. I was lucky in finding Bob K0RU who was working one DX station after another. After he finished with a Cyprus station, I called, knowing he wanted to keep chasing DX. I explained the situation to him about the hike and my knee and asked if he could call my wife and let her know that I would need her to pick me up the next day and to keep her cell phone handy so that I could call her with the directions. Rob instantly went from the DX mode to the Ham Samaritan mode and became everything that makes all of us proud to be involved in this hobby. I am now at home, safe and sound thanks to Rob, my wife and the Morse Code.

Rob copied my wife's name and number and gave her a call, explaining what was happening and telling her that I'd call her tomorrow when I reached the highway. He made the call in real-time, relaying questions from my wife to me and then my answers and requests back to my wife. She later told me that she could hear the dots and dashes in the background over the phone as Rob communicated with me in my tent. It was a dual-mode phone patch, half voice and half Morse! As Rob tapped out to me "she is very concerned, are you able to walk?" I would answer and ask him to tell her not to worry and, as Mayra later told me, Rob said that I was okay, just not able to continue the hike.

Guy, Ed and I made it to the highway around 12:30 the next afternoon. I called Mayra and she knew immediately why I was calling and dropped everything to come and get us once I told her exactly where we were. She arrived with Advil and ice – I picked a winner with her! By now, Ed had developed a limp and was also unable to finish the hike so we drove him to his truck at the destination trailhead, then Mayra drove me to Guy's house where I'd left my truck. We followed each other home while Guy continued on the trail to High Point.

When Mayra and I got home, she told me that Rob had been extremely courteous, helpful and professional on the phone and that she was glad it was someone like him who made the call.

Thanks again Rob, from both of us.

Back to High Point – The Easy Way

Since there was no longer a vehicle waiting at High Point to shuttle back with, I had told Guy I'd be there at his expected arrival time on Sunday. I got there a couple hours early to set up the KX1 and do a little operating while I waited, now that the rain had finally stopped. I had the pleasure of working Jim W1PID on 40M and then Pierre VE2PID on 30M! I wonder if these two have ever worked each other? I also worked Ed AE6TY way out in Californny. Then I turned on my HTX100 to see if I could hear my own 10M beacon from 70 miles away. I heard it and a lot of other beacons on 10 meters – the band was wide open and I was at the highest point in the state. So I worked a number of stations on 10M with a rig whose receiver has been silent for months.

Guy arrived right on time, along with Glen NK1N who had hiked south from High Point to Guy's final campsite and then back out with Guy Sunday morning. We met and exchanged "war stories" about the trail, weather, etc. Then I drove Guy back to his house, talking about DX and future hiking plans along the way. While the weekend didn't go as planned & the weather was consistently rainy, ham radio shined with a Good Samaritan on the air and good company on the trail.

From the EMCOMM MONTHLY - NOVEMBER 2006

BACKGROUND CHECKS

The American Red Cross has decreed that all Red Cross employees and volunteers must now undergo "background checks". This is an expansion of an existing program to check the backgrounds on all new employees hired since 2000 and all DSHR (Disaster Services Human Resource) members since October 2005. This is no doubt a result of an increased concern about pedophiles, thieves, scam artists, and other crooks gaining access to mass-care shelters where evacuees and disaster victims are most vulnerable. The background checks will likely be performed by a private contractor. (More private \$\$\$ out the window.)

It is unclear how this will affect emcomm operators or other providers and/or vendors (e.g. someone delivering supplies),

who may need to enter a Red Cross shelter or other facility who are not "Red Cross Volunteers". However (as we see it now):

Bill Frazier, W7ARC, WRRL 3, and long time ARC DSHR Volunteer says:

"If an EMCOMM operator is working under the existing MOU between the ARRL and the American Red Cross, there should be no reason for them to become a Red Cross volunteer unless they want that status also. This begs the question, who are you volunteering for? Are you a Red Cross volunteer who is a ham radio operator? Or, are you a volunteer EMCOMM operator who is helping the Red Cross?"

The current MOU between the ARRL/ARES and the American Red Cross states:

5. Volunteers from ARRL, ARES, and NTS MAY, under conditions and terms established by American Red Cross from time to time, also serve as American Red Cross volunteers for a mutually agreed upon task or function. Such volunteers shall have the responsibilities and be entitled to the privileges of an American Red Cross volunteer for the designated period in accordance with, and subject to, all American Red Cross standards and regulations."

That was the rule, at least up until now. Now, emcomm operators may be required to sign on as Red Cross Volunteers if they wish to work in a Red Cross facility. In that case, they would be working under Red Cross' supervision and direction, and may be asked to perform non-communication tasks.

All the ruckus and hysteria in some circles baffles us. In reality, there are very few valid reasons (if any) for an emcomm station to actually be located inside a mass-care shelter. There are, however, many reasons why it is better to locate emcomm stations outside (but nearby) a mass-care shelter. In that case, a background check of emcomm volunteers would not be necessary. (At least as far as the Red Cross is concerned.)

In my many years (about 40) with the American Red Cross, both as a staff member and volunteer, as Director of Disaster Services, Director of Nursing & Health Programs, Shelter Manager, Disaster Health Nurse and Supervisor, etc., I cannot recall a single incident where a Red Cross volunteer committed some crime. But I do recall several incidents where shelter occupants or other victims committed larcenous and other criminal and/or violent acts. (I know of one event where two parallel shelters were opened in order to segregate rival gang members from each other.) So far, I have not heard of any plans to require background checks on evacuees or disaster victims. Who knows? That may be next. We can just see it now...hundreds of evacuees standing out in the open waiting to have a security "clearance" before they can go inside to get a hot meal and a bed to sleep on!

EM and **WRRL** suggest we all stay focused on our mission of providing **EMERGENCY COMMUNICATIONS**. We advocate a "one size fits all" style of emcomm. In other words, "one-stop" emcomm stations serving any and all agencies (as well as the general public), even if they are located nearby, but outside a shelter, hospital, EOC, or other facility. They may be in a trailer, van, camper, tent, or nearby shed, shack or garage. – EMCOMM Editor

The Trustee Sez:

The repeaters are working fine as anyone that uses it will tell you. If you're not using it shame on you. You can't break it by using it so use it. While I am at it I would like to advertise for a new repeater trustee or helper trustee that is proficient in computer programming.

Your present trustee is not as knowledgeable as necessary in computer language programming and would like some help in order to make the repeater better than they are now. Please if you have any programming knowledge and would like to help, step forward and be recognized.

Thank you very much and 73 Bill Miller KD8VP

**Be Radio-Active
Participate**

The LCARA Christmas Party is December 12 at the Country-Side Banquet Hall located in Imlay City from 6pm-9pm. Free to members and a guest. Reservations required - Let Bill KD8VP know if you are going to attend.

Upcoming Swaps...

Fort Wayne Hamfest	Nov 18-19 2006	9:00 am	Allen County War Memorial Coliseum Exposition Center 4000 Parnell Ave. at Coliseum Blvd., Fort Wayne IN	146.88- http://www.fortwaynehamfest.com
Lanse Creuse Swap & Shop	Dec 3, 2006	9:00 am	Lanse Creuse High School on Reimold in Mt Clemens, MI	147.08+ www.n8lc.org Info:Marty K8HVI Phone: 313-665-4426 k8hvi@arrrl.net
Niagara Peninsula A.R.C. Amateur Radio Fleamarket	Feb 3 2007	9:00 am	NEW LOCATION Merriton Community Centre 7 Park Ave. St Catharines	VE3NRS 147.240+ PL 107.2

Lapeer County Amateur Radio Association

P.O. Box 12
Hadley, MI 48440-0012

Officers

President, Bob Erskine, W8RAE.....248-628-3401
Secretary, Jim Mazzola, KC8YMF.....810-796-2610

Vice-Pres., Chris Azelton, KC8TWL..810-245-0073
Treasurer, Bill Miller, KD8VP.....810-797-5329

Committees & Appointees.

Club Founder.....Hollis Hayes, W8ACD
Club Historian.....Bill Hetchler, KC8SHI
Skywarn Coordinator.....Pete Headrick KB8RSG
Field Day Chairman.....Bill Miller, KD8VP
Two Meter Net Mgr.....Charlie Whipp, KC8JBK
Public Information Officer...

Club Call TrusteeW8LAP.....Bill Miller, KD8VP
VE Coordinator.....Al Wilson, N8NPR
Swap & Shop Chairperson.....Bill Miller, KD8VP
Meeting Refreshments.....Bill Miller, KD8VP
Newsletter Editor.....Hank Kohl, K8DD

ARES Repeater Nets

Monday at 9:00 PM on 146.620-
Thursday at 9:00 PM on 442.750+
Mon—Sat at 9:30 PM on 147.300+

Meetings

LCARA meetings are held on the second Tuesday of each month in the Lapeer County Central Dispatch Center (911), 2332 W. Genesee St, Lapeer MI at 7:30 p.m. local time.

Board of Directors' monthly meetings are held on the first Tuesday of each month at Tim Horton's at 7:30PM (Check on the W8LAP repeaters).

Newsletter

Items for the newsletter may be called to the Editor at 810-721-0708, sent by Mail (Box 88, Attica, MI 48412), or as an ASCII or Word to k8dd@arrrl.net The deadline for submissions is the 20th of each month.

Volunteer Exam Session:

The next ARRL Volunteer Exam (VE) session will be **December 9, 2006** at 10:00 a.m. in the 2nd floor meeting room at the Port Huron Branch of the St. Clair County Library, 210 McMorrin Blvd, Port Huron, MI.

Pre-registration is NOT required. Bring picture ID, the original and a copy of your present license and the original of any Certificate of Successful Completion (CSC) you may hold. The current fee is \$14.00. For further information call Bob Herbert, K8WMW, at 982-1561

The following are the dates scheduled for the 2006 Port Huron Volunteer Exam Team sessions:

December 9, 2006

Dates are being firmed up for 2007 – VE exams will be held every month, BUT only when there are pre-registered testees!

For Sale For Sale For Sale For Sale:

I want to buy your old ham/electronic/tube gear. I'm particularly looking for the Heathkit Mohawk that I built and sold to Dave Burch four decades ago.

Contact Mike, AA8K, at: stepsisters@comcast.net or 810-987-8873

For Sale

HW-8 Handbook—covers HW-7, 8 & 9 \$15

Ten Tec Construction boxes sold out!

K7QO Code Course CD \$ FREE

COM port boards, ISA, 2 ports \$3.00 ea

100' Rohn 45 tower with antennas, house, large garage, dipoles, vertical & wire antennas. Will not split. \$negotiable.

Contact Hank K8DD at k8dd@k8dd.com or 810-721-0708

Contesting and DXing:



October found your editor and three other couples on the Isle of Man in the middle of the Irish Sea in the United Kingdom. We were there for 6 days and although the 4 hams thought it was a Ham Radio expedition, the 4 wives thought there should be time for site-seeing! We operated 80, 40, 30, 20 and 17 meters from the 5 bedroom chalet that we rented and the stations were active on CW, SSB and PSK31. The group made approximately 1300 CW, 300 SSB and 200 PSK31 contact among the four operators – Stan AC8W, Dick G0BPS/GD0BPS, Hank K8DD and Ken W4DU. Approximately 60 – 70% of the QSO's were QRP. The locals that I remember working were Stan N8HN and Ian K8MM on 40M CW.

After leaving the Isle of Man we visited Liverpool England and went to the *Beatle's Experience* museum. It was a two hour trip through the life of the Beatles group. Then, just by coincidence we got to attend the G-QRP Club's Mini QRP Convention in Rochdale England. Those people know how to run a hamfest / swap & shop – it opened for vendors about 8:30 AM.

Lunch was not the hot dog, chips and pop like we have here, it was catered steak pie with pickled cabbage sprinkled on top of it (it was an exciting taste to say the least!). Instead of everyone packing up at 11:30 AM, the crowd was still there at 4 PM when they had the prize drawings. And there were seminars and forums all day in the main hall of the church. There were approximately 30 – 35 tables set up for vendors and there were 300 to 350 hams who attended the Mini QRP Convention! The place was packed with people bartering at the tables, sitting around talking and visiting the lunch counter. There were hams (and a lot with their wives) from England, Scotland, Ireland, Sweden, Denmark, Germany, France and the USA at the hamfest – a very interesting and diverse group, to say the least.

**Be Radio-Active
Participate**

N2CQ QRP CONTEST CALENDAR

October 27 - November 30, 2006

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Zombie Shuffle (CW) \*\*\* QRP CONTEST \*\*\*

Oct 27, Local Sundown to Local Midnight (Any 4 hour period)

Rules: <http://www.zianet.com/QRP/>

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EXtreme CW World-Wide Challenge (40 M CW)... QRP Category

Oct 28, 0000z to Oct 29, 2359z

Rules: <http://www.alg.demon.co.uk/xcw/2006rules.htm>

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CQ WW DX Contest (SSB) ... QRP Category

Oct 28, 0000z to Oct 29, 2400z

Rules: <http://www.cqww.com/>

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Ten-Ten QSO Party (CW) ... QRP Category

Oct 28, 0001z to Oct 29, 2359z

Rules: <http://www.ten-ten.org/calendar.html>

HA-QRP Contest (CW - 80 Meters) *** QRP Contest***

Nov 1, 0000z to Nov 7, 2400z

Rules: <http://www.radiovilag.hu/haqrp2.htm>

Ukrainian DX Contest (CW/SSB) ... QRP Category

Nov 4, 1200z to Nov 5, 1200z

Rules: http://www.ucc.zp.ua/urdx2006rules_eng.htm

ARRL Sweepstakes (CW) ... QRP Category

Nov 4, 2100z to Nov 6, 0300z

Rules: <http://www.arrl.org/contests/calendar.html?year=2006>

High Speed Club Contest (CW) ... QRP Category

Nov 5, 0900z to 1100z and 1500z to 1700z

Rules: <http://www.dl3bzz.de/html/hscconte.html>

Adventure Radio Spartan Sprint (CW) *** QRP Contest***

EST: Nov 6, 9 PM - 11 PM

UTC: Nov 7, 0200z to 0400z

Rules: <http://www.arsqrp.com/>

80 METER FOXHUNT (Each Tuesday)

EST: Tue Nov 7, 9 PM to 10:29 PM

UTC: Wed Nov 8, 0200z to 0329z

Info: <http://www.qrpfoxhunt.org/>

40 METER FOXHUNT (Each Thursday)

EST: Thurs Nov 9, 9 PM to 10:29 PM

UTC: Fri Nov 10, 0200z to 0329z

Info: <http://www.qrpfoxhunt.org/>

WAE RTTY Contest (Digital)... 100W Category

Nov 11, 0000z to Nov 12, 2359z

Rules: <http://www.darc.de/referate/dx/xedcwr.htm>

Japan International DX Contest (phone)... 100w category

Nov 11, 0700z to Nov 12, 1300z

Rules: <http://jidx.org/jidxrule-e.html>

OK/OM DX Contest (CW) ... QRP Category!

Nov 11, 1200z to Nov 12, 1200z

Rules: <http://okomdx.crk.cz/>

Kentucky QSO Party (CW/Ph)

Nov 11, 1400z to Nov 12, 0600z

Rules: <http://www.arrl.org/contests/months/nov.html>

NAQCC Straight Key/Bug Sprint *** QRP CONTEST! ***

EST: Nov 15, 8:30 PM to 10:30 PM

UTC: Nov 16, 0130z to 0330z

Rules: <http://www.arm-tek.net/~yoel/contests.html>

YO International PSK31 Contest (80 Meters) ... 50W max

Nov 17, 1600z to 2200z

Rules: <http://hamat5.atw.hu/PSKrul2006en.html>

LZ DX CONTEST (CW/SSB) ... QRP Category

Nov 18, 1200z to Nov 19, 1200z

Rules: <http://www.qsl.net/lz1fw/contest/>

ARRL Sweepstakes (Phone) ... QRP Category

Nov 18, 2100z to Nov 20, 0300z

Rules: <http://www.arrl.org/contests/calendar.html?year=2006>

HOT Party (CW) ... QRP Category

Nov 19, 1300z to 1500z (40 Meters)

Nov 19, 1500z to 1700z (80 Meters)

(HOMEBREW & OLDTIME - EQUIPMENT - PARTY)

Rules: <http://www.qrpcc.de/>

RUN FOR THE BACON (CW) *** QRP CONTEST ***

EST: Nov 19, 9 PM to 11 PM

UTC: Nov 20, 0200z 0400z

Rules: <http://fpqrp.com>

CQ World Wide DX Contest (CW) ... QRP Category!

Nov 25, 0000z to Nov 26, 2400z

Rules: <http://www.cqww.com/>

QRP BARBERSHOP QUARTET CONTEST (CW QRP)... QRP Contest!

Nov 29, 9 PM to 11 PM EST

Rules: http://www.io.com/~n5fc/barbershop_contest.htm

QRP ARCI Topband CW & SSB Sprint *** QRP CONTEST ***

Nov 30, 0000z to 0600z

Rules: <http://www.qrparci.org/>

Thanks to SM3CER, WA7BNM, N0AX(ARRL) and others
for assistance in compiling this calendar.

Please forward the contest info you sponsor to N2CQ@ARRL.NET and
we will post it and give it more publicity.

Anyone may use this "N2CQ QRP Contest Calendar" for your website,
newsletter, e-mail list or other media as you choose.

(Include a credit to the source of this material of course.)

72 de

Ken Newman - N2CQ

N2CQ@ARRL.NET

Don't stop here!

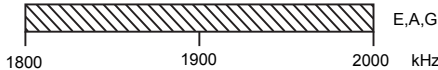
**The next page has the projected band allocations. They
will become law 30 days after they are published in the
Federal Register.**

And ...

**The LCARA Christmas Party is December 12 at the Country-Side
Banquet Hall located in Imlay City from 6pm-9pm. Free to members and
a guest. Reservations required - Let Bill KD8VP know if you are going to
attend. You read it right – Free to members Bill is writing the check!**

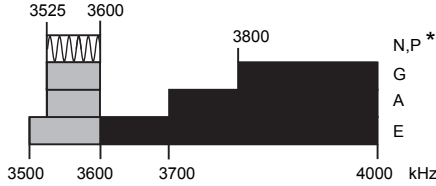
Note: The bar at the Christmas Party is a cash bar – that's your cash, not Bill's!

160 METERS

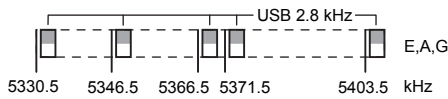


Amateur stations operating at 1900-2000 kHz must not cause harmful interference to the radiolocation service and are afforded no protection from radiolocation operations.

80 METERS

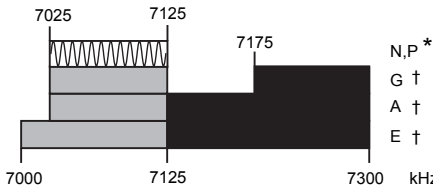


60 METERS



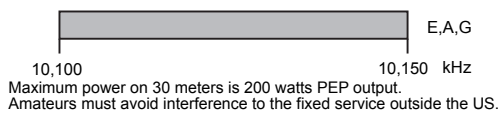
General, Advanced, and Amateur Extra licensees may use the following five channels on a secondary basis with a maximum effective radiated power of 50 W PEP relative to a half wave dipole. Only upper sideband suppressed carrier voice transmissions may be used. The frequencies are 5330.5, 5346.5, 5366.5, 5371.5 and 5403.5 kHz. The occupied bandwidth is limited to 2.8 kHz centered on 5332, 5348, 5368, 5373, and 5405 kHz respectively.

40 METERS



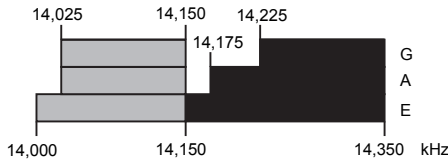
† Phone and Image modes are permitted between 7075 and 7100 kHz for FCC licensed stations in ITU Regions 1 and 3 and by FCC licensed stations in ITU Region 2 West of 130 degrees West longitude or South of 20 degrees North latitude. See Sections 97.305(c) and 97.307(f)(11). Novice and Technician Plus licensees outside ITU Region 2 may use CW only between 7025 and 7075 kHz. See Section 97.301(e). These exemptions do not apply to stations in the continental US.

30 METERS

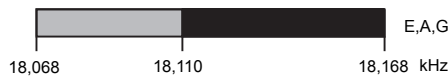


Maximum power on 30 meters is 200 watts PEP output. Amateurs must avoid interference to the fixed service outside the US.

20 METERS



17 METERS

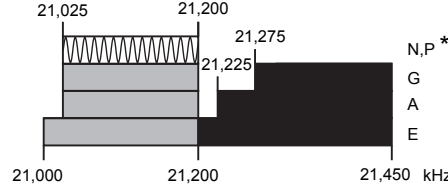


Effective Date Pending

This chart reflects changes in Part 97 of the FCC Rules that were adopted on October 4, 2006 and released on October 10, 2006. The changes have not taken effect and will not take effect until 30 days after publication in the Federal Register. The effective date is unknown and will be publicized as soon as it is known.

There are some apparent errors in the rules as released. The charts reflect ARRL's best understanding of what the FCC intended. Clarifications are being sought and the chart will be amended as required.

15 METERS



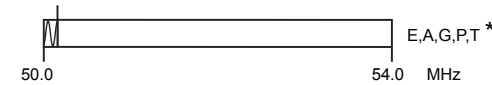
12 METERS



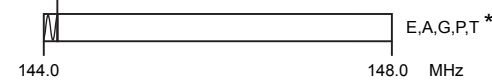
10 METERS



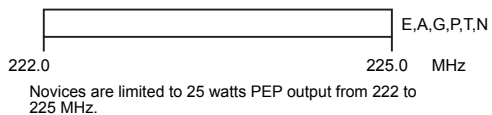
6 METERS



2 METERS

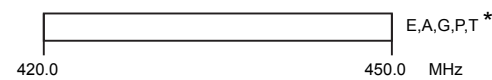


1.25 METERS ***

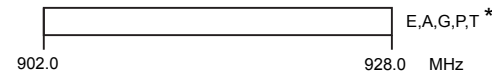


Novices are limited to 25 watts PEP output from 222 to 225 MHz.

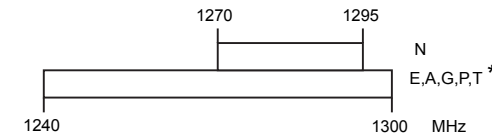
70 CENTIMETERS **



33 CENTIMETERS **



23 CENTIMETERS **



Novices are limited to 5 watts PEP output from 1270 to 1295 MHz.

US AMATEUR POWER LIMITS

At all times, transmitter power should be kept down to that necessary to carry out the desired communications.

Power is rated in watts PEP output. Unless otherwise stated, the maximum power output is 1500 W.

Power for all license classes is limited to 200 W in the 10,100-10,150 kHz band.

Novices and Technicians are restricted to 200 W below 28.5 MHz.

In addition, Novices are restricted to 25 W in the 222-225 MHz band and 5 W in the 1270-1295 MHz subband.

KEY

- = CW, RTTY and data
- = CW, RTTY, data, MCW, test, phone and image
- = CW, phone and image
- = CW and SSB phone
- = CW, RTTY, data, phone, and image
- = CW only
- = USB Phone only

- E** = AMATEUR EXTRA
- A** = ADVANCED
- G** = GENERAL
- P** = TECHNICIAN PLUS
- T** = TECHNICIAN
- N** = NOVICE

* Technicians who have passed the 5 wpm Morse code exam are indicated as "P".

** Geographical and power restrictions apply to all bands with frequencies above 420 MHz. See *The ARRL FCC Rule Book* for more information about your area.

*** 219-220 MHz allocated to amateurs on a secondary basis for fixed digital message forwarding systems only and can be operated by all licensees except Novices.

All licensees except Novices are authorized all modes on the following frequencies:

- 2300-2310 MHz
- 2390-2450 MHz
- 3300-3500 MHz
- 5650-5925 MHz
- 10.0-10.5 GHz
- 24.0-24.25 GHz
- 47.0-47.2 GHz
- 76.0-81.0 GHz
- 122.225-123.0 GHz
- 134-141 GHz
- 241-250 GHz
- All above 275 GHz



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2006-2007 L.C.A.R.A. MEMBERSHIP APPLICATION

PLEASE PRINT:

CALL SIGN: _____ NAME: _____

ADDRESS: _____

CITY ,STATE, AND ZIP: _____

PHONE : _____ LICENSE CLASS: _____

SKYWARN NO.: _____ RACES NO: _____

ARES MEMBER YES__ NO__ E-MAIL ADD.: _____

ARE YOU AN A.R.R.L. MEMBER: YES__ NO__

L.C.A.R.A. MEMBERSHIP IS \$12.00 PER YEAR, RENEWABLE EACH YEAR ON **OCTOBER. 1ST.** FAMILY MEMBERSHIP \$20.00. ASSOCIATE MEMBERSHIP \$4.00. IF YOU WISH AN AUTODIAL NUMBER FOR THE REPEATER THERE IS AN ADDITIONAL \$3.00 CHARGE. Financing available.

Lapeer County Amateur Radio Association

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