



THE HAMCALL



Volume 43

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February 2004

Inside this Issue...

» Bringing Down the Tower	1
» The Presidents Corner	2
» KCARC Officers and Meeting Dates	2
» Secretary-Treasurer Report	3
» Editorial Column	3
» 4th Dist ARES News	4-5
» New Code Free License	6
» The Right to Complain about the proposal	7-8
» FCC OK's BPL	8-9
» KCARC Member Profile	10
» Propagation Chart	11
» Ohms Slaw Puzzle	12
» Contest/Hamfest Cal.	13-15
» Membership Application	17

February Program...

The program for February will focus on how to climb a typical Amateur Radio Tower properly and Safely. Our presenter will be Tim Harrington who is a professional Tower Climber and a very talented rope/knot expert.

See you there!

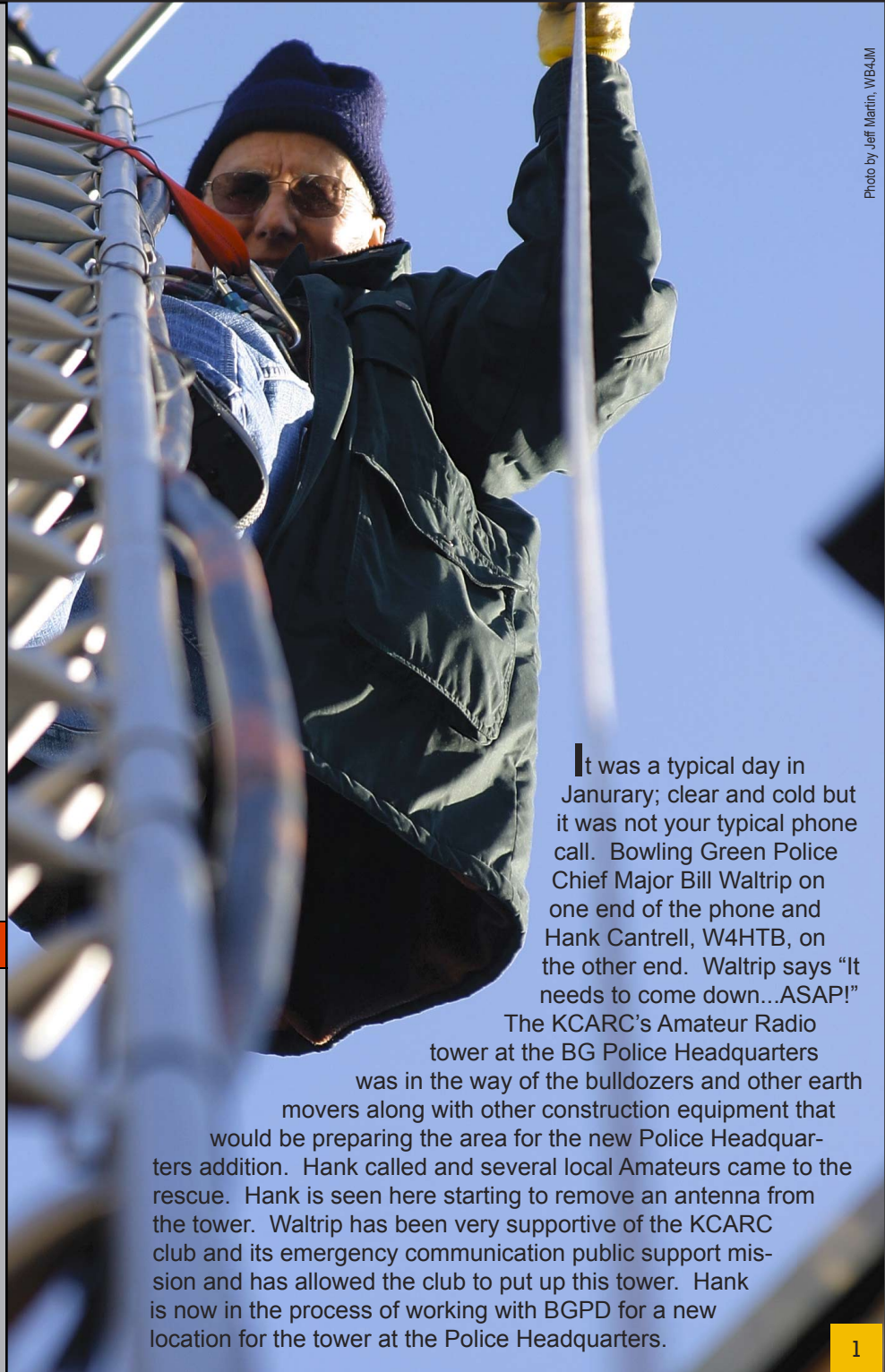


Photo by Jeff Martin, WB4JW

It was a typical day in January; clear and cold but it was not your typical phone call. Bowling Green Police Chief Major Bill Waltrip on one end of the phone and Hank Cantrell, W4HTB, on the other end. Waltrip says "It needs to come down...ASAP!"

The KCARC's Amateur Radio tower at the BG Police Headquarters was in the way of the bulldozers and other earth movers along with other construction equipment that would be preparing the area for the new Police Headquarters addition. Hank called and several local Amateurs came to the rescue. Hank is seen here starting to remove an antenna from the tower. Waltrip has been very supportive of the KCARC club and its emergency communication public support mission and has allowed the club to put up this tower. Hank is now in the process of working with BGPD for a new location for the tower at the Police Headquarters.

The Presidents Corner... By Michael Kallstrom, NU4Q



As of this writing, the class our club is offering leading to testing for the Technician Class license is going very well, indeed. The ARRL video course we are using is very professionally done, clear and concise. Even though the pace of the presentation is brisk, both the students and the instructors are responding favorably. After each video session, our instructors field any questions that arise. With any luck, we may have as many as ten new Hams by the end of February. Thanks to all the instructors and students!



Photo by Jeff Martin, WB4JM
Mike Kallstrom, NU4Q, New KCARC President at our first Meeting of 2004.

Speaking of the ARRL, if you haven't read about their proposal of restructuring the amateur radio licenses, I encourage to go to their website – www.arrl.org - to read their plan. I am sure they will be inviting comments on it and many of you may want to respond.

We have been contacted by another public agency seeking to consult with us regarding emergency communications. As we continue to develop our communications room in the Bowling Green Police Department, we are

bound to get more of these requests. Contributing to emergency preparedness could be a vital role our club might play in the community as well as a rewarding opportunity for club members. I hope everyone will consider participating in any plans that may unfold.

Whenever I get a bit bored with my radio activities, I always find it refreshing to work a band I haven't been on in a while. Even though some of the higher bands have not been in consistently good shape these days, they are occasionally open. I find that if I check 15, 12 and 10 meters from time to time, I can catch some great openings that lead to a DX contact or just a great QSO. I also hear there used to be a local 10-meter net in the evenings some time in the past. Would anyone have an interest in reviving such a net? At the other end of the spectrum, 160 meters has been in good shape and I'm pleased with

how well my quarter wave inverted "L" with 100 watts works on that band. There's a friendly net that meets on 1.895 at 0000UTC you might try. Most of the stations are in the Midwest. And for any early risers,

check out the 40 meter band for the Down Home Net on 7.173, which runs from about 5:00AM to 6:30AM Central Time. There are stations in Florida, New Mexico, Virginia, Tennessee and New York, to name a few, that check into this net. If you know of any interesting nets, please send the information to me and we will list a few of these in the newsletter each month.

See you at the next meeting!

Michael, NU4Q

2004 KCARC OFFICERS

President:

Michael Kallstrom, NU4Q

Vice President Elect:

Jeff Martin, WB4JM

Vice President:

Joe Durbin, W4BWG

Board of Directors:

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Tim Robinson, KF4MGU

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Jean Odum, KE4WVX

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2004 KCARC Meeting Dates (Third Friday)

January 16
February 20
March 19
April 16
May 21
June 18
June 26-27 (Field Day)
July 16
August 20
September 17 (Picnic)
October 15 (Elections)
October 30 ?? (Bridge Watch - Sat)
November 19 (Annual Dinner)
December 18 (Sat Morning)

Minutes - January 2004

By Claire Rinehart
Secretary/Treasurer

Hank Cantrell (W4HTB) announced a ham class to prepare for the technician no-code license would be held on the first four Monday evenings in February from 6-9 PM at the Bowling Green City Police station. The cost would be \$40 to cover the cost of a book, a 1 year KARC membership, and a patch. Ed Gann will direct the administration of a test following the course for \$12.

President Michael Kallstrom (NU4Q) thanked those that helped remove the antenna tower at the police station in preparation for construction on the building. Plans are to relocate the tower to the roof and extend its height.

Club business included election of a new vice-president and the filling of committee assignments. Jeff Martin (WB4JM) nominated John Coe (KY4COE), nominations were closed and John was unanimously elected.

Fred Painter (KA4CFW) agreed to serve as the coordinator for field day again this year. Field day will be held on Reservoir Hill June 26-27 and Hank Cantrell (W4HTB) has cleared those dates with the city. Mike Kallstrom (NU4Q) will take care of the media and publicity for this event. Jean Odum (KE4WVZ) and Kitty Magard (KG4AJE) will head the picnic at field day and also the annual picnic to be held at Covington Park on September 17th. Hank Cantrell (W4HTB) has already reserved the shelter at Covington Park. The chairman for the Bridge Watch is (Ewell Scott (KF4TVZ), pending notification from Mike) and Hank Cantrell (W4HTB) has agreed to help out.

The Nominating Committee will be headed by (Ed Gann (N4HID) and Caroll Brooks (KC4HDG), pending

notification from Mike). Leon Garrett (K4CIT) will chair the Awards Committee again this year. Fred Painter (KA4CFW) informed the group that the nightly ARES net needs weekly control operators for Wednesday and Thursday evenings at 9 PM.

The program for the evening was a great historical tape narrated by Walter Cronkite, a long-time ham radio operator, showing a 1935 tour of ARRL Headquarters.

I would like to also thank those who have sent in their membership renewals and filled out the membership information sheet. This has allowed us to update the membership and interest records for the club. -CR

Editorial Column

By Jeff Martin, WB4JM,
HamCall Editor

What a month. We are growing as a club and we have several activities going on now as you read this. Our club membership is increasing, we are conducting our first license training class, we are working at the BG Police Station to improve our station setup and we are providing emergency preparedness consultation to the public. If you are not involved in one of these activities and want to be, please give Mike a call or visit with him at the next KARC meeting. Don't be left out!

The Tech Licence Class is going

great! It all started with a request from the Red Cross to have some of its members become licensed. This would facilitate the emergency communications that may be needed for a particular emergency. However, the Red Cross had some administrative changes and the class just did not get off the ground, for the moment anyway. That did not stop us, though. There were several others that wanted the training, eleven to be exact. It was Hank Cantrell's, W4HTB, idea to go ahead with the class, keep it small, and see how things go, similar to a beta test. Well, so far it has gone very well and I suspect that we will offer it again at least once, maybe twice finishing out 2004. Those involved are as follows:

Hank Cantrell, W4HTB - Chairman
Mike Kallstrom, NU4Q - Instructor
Jeff Martin, WB4JM - Instructor
Chris Scott, W4NEQ - Instructor
Fred Painter, KA4CFW - Instructor
Carroll Brooks, KC4HDG - Instructor
Leon Garrett, K4CIT - Instructor
Jean Odum, KE4WVX - Instructor
Ed Gann, N4HID - Tester



Photo by Jeff Martin, WB4JM

If you know of someone who would like to take the class in the future, let Hank Cantrell, W4HTB know.

One last item to mention...If you have not sent in your membership form and dues for 2004, please do so ASAP as next month's newsletter will only be mailed to the current membership.

See you at the meeting!
- Jeff Martin, WB4JM
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jeff.martin@wku.edu

Forth District ARES News

Submitted By Fred Painter,
KA4CFW
District Emergency Coordinator

Working With Event Sponsors and Public Safety Officials

Public service communications rendered by amateurs is based on a series of factors. Specifically, we must be accepted by event sponsors and once accepted, our continued ability to contribute in times of disaster is based on the efficiency and effectiveness of our performance. While acceptance, image, efficiency and effectiveness are all important to the ongoing working relationships between amateurs and event officials, it is the initial acceptance that is often difficult to achieve.

Event sponsors, police and fire officials tend to be very cautious and skeptical concerning those who are not members of the public safety professions. This posture is based primarily on experiences in which well intended but somewhat overzealous volunteers have complicated, and in some cases jeopardized, efforts in emergencies. The amateur operator or other volunteer who wishes to be of assistance must be aware of this perception.

The police have generally had their fill of groupies or hangers-on. They can ill afford to tolerate frustrated individuals who have always wanted to be police officers or firefighters, but for one reason or another have never reached that objective. There seems to be an abundance of people, especially during a crisis, who, if given any opportunity to assist in an official capacity, will quickly overstep the limits of their authority

and responsibility. In their zest, such persons often inhibit the actions of trained personnel; but worse yet, they make an already dangerous situation even more so by their reckless abandon. With rare exception, Amateur Radio operators do not fall into this category. The problem is, however, that police officers in the midst of stressful operations may have extreme difficulty in distinguishing between those volunteers who are problem solvers and those who are problem makers. Those very few hams who behave emotionally, are overzealous in offering their services or in describing their abilities, or who abuse the established limits of their authority, are doing the amateur community a disservice. The typical police officer or firefighter, like the typical civilian, does not understand the vast differences among various radio services, the types of licensing involved or the high level of expertise and discipline that is characteristic of the Amateur Radio Service.

Moreover, keep in mind that state-of-the-art technology, and the capabilities that technology affords hams, are foreign to most police officers or firefighters. When a ham arrives at a scene and jumps out of a vehicle with a hand-held in each fist and two more clipped to the belt, all squawking at once, officials simply don't know how to respond. They are either overwhelmed by equipment they don't understand, or so awestruck that they try to avoid what they perceive as threatening.

How Amateur Radio volunteers are accepted depends on their establishing a track record of competent performance in important activities. And it begins with convincing officials that amateurs offer a cost-effective (otherwise known as free) substitute for functions previously paid for by the taxpayer. Local radio amateurs also must



demonstrate that they are organized, disciplined and reliable, and have sincere interest in public event service. The most effective way to accomplish this is for you, as head of your communications group, to initiate the contact with public safety agencies and event sponsors in an official capacity. This is better than having individual amateurs, particularly outside an organized structure, making uncoordinated and poorly prepared contacts that often result in an impression that your group is disorganized.

? Approach that first meeting with event sponsors and public safety officials well-prepared, and give a concise presentation of Amateur Radio's capabilities. Illustrate accomplishments with newspaper clippings, QST articles, etc, highlighting Amateur Radio public service. Discuss the existing Amateur Radio structure, emphasizing that a certain number of qualified operators will be able to respond to public events needs.

? Demonstrate the reliability and clarity of amateur gear. Nothing is more impressive than asking for a roll call on a 2-meter repeater, using a hand-held radio in the police or fire chief's office and having amateurs respond with full-quieting signals from locations where municipal radios are normally ineffective. Such a demonstration a few years ago convinced officials in Laguna Beach,

California, to ask for the assistance of the South Orange County ARES, the wisdom of which became evident a short time later when that seaside resort community was hit by a series of local emergencies.

? Suggest specific ways in which amateurs can be of assistance. Indicate you are aware that police and fire radio frequencies are usually saturated with tactical or operational traffic in emergencies, and offer to provide an administrative frequency for use in overall management and coordination of the public event effort. More important, offer to demonstrate what you are capable of doing by supplying a demonstration of your communications capabilities. It is of tremendous importance that you

emphasize that the services supplied by your group will free public safety officers for other duties.

Demonstrate how easily amateurs and their equipment can interface with public safety efforts. Equipment that can be made operational quickly inside the headquarters building, in a mobile command post or in field units is ideal. Express your group's willingness to meet the needs of the sponsor or agency with which you are dealing.

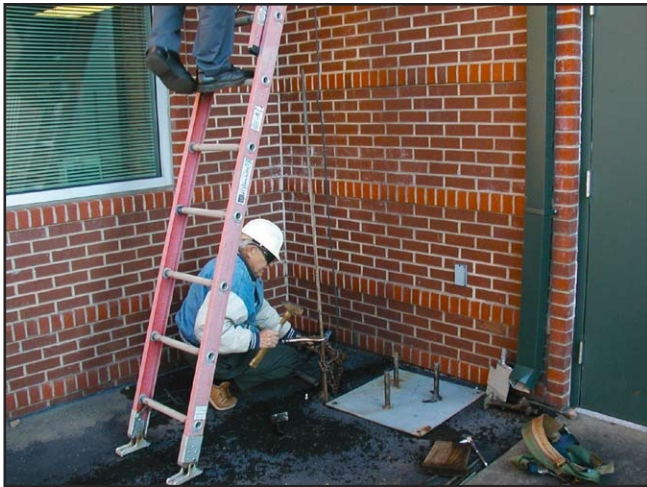
Show a readiness to provide training to your membership. Offer event sponsors and public safety officials the opportunity to have their own representatives appear before your group and provide orientation and

training they feel is essential.

? Finally, be realistic and objective in terms of what your group promises to provide to event sponsors and public service agencies. Be fully prepared to keep all promises you make. Remember to be organized and competent. Once you have implemented these suggestions, be patient. The requests for your services will be forthcoming, perhaps in a volume you had not anticipated!

Summary

Grass-roots action is the name of the game when it comes to achieving effective.



BGPD KCARC Tower Removal Photos



ARRL to Propose New Entry-Level License, Code-Free HF Access

NEWINGTON, CT, Jan 19, 2004--The ARRL will ask the FCC to create a new entry-level Amateur Radio license that would include HF phone privileges without requiring a Morse code test. The League also will propose consolidating all current licensees into three classes, retaining the Element 1 Morse requirement--now 5 WPM--only for the highest class. The ARRL Board of Directors overwhelmingly approved the plan January 16 during its Annual Meeting in Windsor, Connecticut. The proposals--developed by the ARRL Executive Committee following a Board instruction last July--are in response to changes made in Article 25 of the international *Radio Regulations* at World Radiocommunication Conference 2003 (WRC-03). They would continue a process of streamlining the amateur licensing structure that the FCC began more than five years ago but left unfinished in the Amateur Service license restructuring *Report and Order* ([WT 98-143](#)) that went into effect April 15, 2000.

The ARRL has addressed [frequently asked questions](#) (FAQs) concerning this proposal.

"Change in the Amateur Radio Service in the US, especially license requirements and even more so when Morse is involved, has always been emotional," said ARRL First Vice

President Joel Harrison, W5ZN, in presenting the Executive Committee's recommendations. "In fact, without a doubt, Morse is Amateur Radio's 'religious debate.'" The plan adopted by the Board departs only slightly from the Executive Committee's recommendations.

The "New" Novice

The entry-level license class--being called "Novice" for now--would require a 25-question written exam. It would offer limited HF CW/data and phone/image privileges on 80, 40, 15 and 10 meters as well as VHF and UHF privileges on 6 and 2 meters and on 222-225 and 430-450 MHz. Power output would be restricted to 100 W on 80, 40, and 15 meters and to 50 W on 10 meters and up, thus avoiding the need for the more complex RF safety questions in the Novice question pool.

"The Board sought to achieve balance in giving new Novice licensees the opportunity to sample a wider range of Amateur Radio activity than is available to current Technicians while retaining a motivation to upgrade," said ARRL CEO David Sumner, K1ZZ. "It was also seen as important to limit the scope of privileges so the exam would not have to include material that is inappropriate at the entry level."

As an introduction to Amateur Radio, the Novice license served successfully for most of its 50-year history. The FCC has not issued new Novice licenses since the 2000 license restructuring, however. Under the ARRL plan, current Novice licensees--now the smallest and least active group of radio amateurs--would be grandfathered to the new entry-level class without further testing.

Anticipating assertions that the new plan would "dumb down" Amateur Radio licensing, Harrison said those currently holding a ticket often perceive the level of complexity to

have been greater when they were first licensed than it actually was. "Quite frankly," he said, "if you review the questions presented in our license manuals throughout the years, you will be surprised how they compare to those of today."

Technicians and Generals

The middle group of licensees--Technician, Tech Plus (Technician with Element 1 credit) and General--would be consolidated into a new General license that no longer would require a Morse examination. Current Technician and Tech Plus license holders automatically would gain current General class privileges without additional testing. The current Element 3 General examination would remain in place for new applicants. ARRL already has proposed additional phone privileges for Generals in its "Novice reforming" petition, [RM-10413](#), but the FCC has not yet acted on that petition.

Morse Code Testing Retained for Extra

At the top rung, the Board indicated that it saw no compelling reason to change the Amateur Extra class license requirements. The ARRL plan calls on the FCC to combine the current Advanced and Amateur Extra class licensees into Amateur Extra, because the technical level of the exams passed by these licensees is very similar. New applicants for Extra would have to pass a 5 WPM Morse code examination, but the written exam would stay the same. The League's plan calls for current Novice, Tech Plus and General class licensees to receive lifetime Element 1 (5 WPM Morse) credit.

"This structure provides a true entry-level license with HF privileges to promote growth in the Amateur Service," Harrison said. "It also simplifies the FCC database by

conforming to the current Universal Licensing System (ULS) structure and does not mandate any modifications to it.”

Sumner concurred. “The Board started out by recognizing that three license classes was the right number when looking down the road 10 or 15 years,” he said. “We need a new entry-level license.”

“On the other hand, there’s nothing particularly wrong with the existing Extra class license,” he continued. “The change in the international regulations notwithstanding, the Board felt that the highest level of accomplishment in the FCC’s amateur licensing structure should include basic Morse capability.”

Sumner and Harrison say the current Technician entry-level ticket provides little opportunity to experience facets of ham radio beyond repeater operation. “The quality of that experience,” Sumner said, “often depends on the operator’s location.”

Among other advantages, Sumner said the plan would allow new Novices to participate in HF SSB emergency nets on 75 and 40 meters as well as on the top 100 kHz of 15 meters. The new license also could get another name, Sumner said. “We’re trying to recapture the magic of the old Novice license, but in a manner that’s appropriate for the 21st century.”

Proposal Includes “Novice Refarming” Band Plan

The overall proposed ARRL license restructuring plan would more smoothly integrate HF spectrum privileges across the three license classes and would incorporate the “Novice refarming” plan the League put forth nearly two years ago in a *Petition for Rule Making (RM-10413)*. The FCC has not yet acted on the

ARRL plan, which would alter the current HF subbands. The Novice refarming proposal would eliminate the 80, 40 and 15-meter Novice/ Technician Plus CW subbands as such and reuse that spectrum in part to expand phone/image subbands on 80 and 40 meters.

The ARRL license restructuring design calls for no changes in privileges for Extra and General class licensees on 160, 60, 30, 20, 17 or 12 meters. Novice licensees would have no access to those bands.

Proposed Phone/Image HF Subbands (Includes Novice Refarming Proposal)

80 Meters
Extra: 3.725-4.000 MHz (gain of 25 kHz)

General: 3.800-4.000 MHz (gain of 50 kHz)

Novice: 3.900-4.000 MHz (new)
40 meters

Extra: 7.125-7.300 MHz (gain of 25 kHz)

General: 7.175-7.300 MHz (gain of 50 kHz)

Novice: 7.200-7.300 MHz (new)
15 meters

Extra: 21.200-21.450 MHz (no change)

General: 21.275-21.450 MHz (gain of 25 kHz)

Novice: 21.350-21.450 MHz (new)
10 meters

Extra and General: 28.300-29.700 MHz (no change)

Novice: 28.300-28.500 MHz (no change)

Proposed CW/Data-Exclusive HF Subbands (Includes Novice Refarming Proposal)

80 meters

Extra: 3.500-3.725 MHz
General: 3.525-3.725 MHz

Novice: 3.550-3.700 MHz
40 meters

Extra: 7.000-7.125 MHz
General: 7.025-7.125 MHz

Novice: 7.050-7.125 MHz

15 meters

Extra: 21.000-21.200 MHz

General: 21.025-21.200 MHz

Novice: 21.050-21.200 MHz

10 meters

Extra/General: 28.000-28.300

MHz

Novice: 28.050-28.300 MHz

Source: ARRL Weg Site: <http://www.arrl.org/news/stories/2004/01/19/1/?nc=1>

THE RIGHT TO COMPLAIN ABOUT THE ARRL PROPOSAL

Submitted by John D. Meyers, NB4K

This article is not going to be about what NB4K thinks about the proposal but a look at how the Board of Directors (BOD) might have come up with their decision; right, wrong or indifferent, and it is only a PROPOSAL. I will also give details as to what you as an amateur might do later down the road. But remember folks we the members elect the Directors.

In the last election for Director or Section Manager did you vote? We the members have an obligation to ourselves and the hobby by voting in the elections for Director and Section managers. The old saying still stands that if you didn’t vote you don’t have a gripe. Voting is the first right given to us in a democracy and that is to pick our leaders.

Have you taken time to sign up on the member only page to receive the Directors and Section Manager E-mails? Every member can go onto the internet under the member’s only page and sign up to receive the letters from the director and SM. If you don’t have internet access, you can have

someone do it for you by giving them a password to enter in when they enter in you callsign. Jim Weaver, K8JE sent many a request out via this means for the last 6 months asking different questions about our feelings on morse code, license class restructure and our feeling on the hobby as it now stands. If you had signed up, hopefully, you'll remember those letters.

Do you check the League's webpage everyday? Daily information is posted on the ARRL website telling what has been done lately and what to expect in the future. There is also an extensive amount of information that can be accessed from that site. Most, if not all, of our questions about our future can be found there and I will cover that later in this article.

Have you personally contacted the Director about the PROPOSAL? Jim is easily accessible by either calling him at 513-459-0142 or E-mail at k8je@arrl.org. I have found out by personal contact with him as to where the BOD were coming from when they did extensive research on this and where they expect it to go in the future. These questions you must answer honestly in order to have any complaints about the Directors or the League.

Here is what you have to look forward to in the future if the FCC accepts in whole or any part of the PROPOSAL. Knowing your "ABCs," or specifically, one's NOIs, NPRMs, and R&Os is the key to understanding the Commission's decision making process. Exactly what do these letters mean? Below is a guide to understanding the "alphabets" of the FCC.

Notice of Inquiry (NOI): The Commission releases an NOI for the purpose of gathering information about a broad subject or as a means

of generating ideas on a specific issue. NOIs are initiated either by the Commission or an outside request.

Notice of Proposed Rulemaking (NPRM): After reviewing comments from the public, the FCC may issue a Notice of Proposed Rulemaking. An NPRM contains proposed changes to the Commission's rules and seeks public comment on these proposals.

Further Notice of Proposed Rulemaking (FNPRM): After reviewing your comments and the comments of others about the NPRM, the FCC may also choose to issue an FNPRM regarding specific issues raised in comments. The FNPRM provides an opportunity for you to comment further on a related or specific proposal.

Report and Order (R&O): After considering comments to a Notice of Proposed Rulemaking (or Further Notice of Proposed Rulemaking), the FCC issues a Report and Order. The R&O may develop new rules, amend existing rules or make a decision not to do so. Summaries of the R&O are published in the Federal Register. The Federal Register summary will tell you when a rule change will become effective.

You may find more information at <http://www.fcc.gov/rules.html>. The rest is up to you to read, learn and understand. Every one of us has a right to complain, but only if we have practiced the above process.

73

John D. Meyers, NB4K

Kentucky Section Manager, Great Lakes Division



FCC OKAYS BPL PROPOSAL

The ARRL Letter
Vol. 23, No. 07
February 13, 2004

The FCC has unanimously approved a Notice of Proposed Rule Making (NPRM) to deploy Broadband over Power Line (BPL). The NPRM is the next step in the BPL proceeding, which began last April with a Notice of Inquiry that attracted nearly 5200 comments--many from the amateur community. The FCC did not propose any changes in emission limits for unlicensed Part 15 devices, but said it would require BPL providers to apply "adaptive" interference mitigation techniques to their systems. An ARRL delegation that attended the February 12 FCC open meeting in Washington later expressed disappointment in the FCC action.

"The Commission clearly recognized that the existing Part 15 emission limits are inadequate to stop interference," Sumner said, "but it's placing the burden of interference mitigation on the licensed user that's supposed to be protected," said ARRL CEO David Sumner, K1ZZ.

Sumner said that if the FCC really believed current Part 15 emission limits were sufficient, it would not have had to require that BPL providers institute interference mitigation systems. The FCC has not yet released the actual NPRM, and

a presentation by the FCC's Office of Engineering and Technology (OET) revealed only its broad outlines. Sumner said the League would not take a formal position until it reviews the full NPRM.

Anh Wride of the OET staff spelled out the scope of the NPRM, which only addresses so-called "access BPL"--the type that would apply radio frequency energy to exterior overhead and underground low and medium-voltage power lines to distribute broadband and Internet service. She said the OET staff believes that interference concerns "can be adequately addressed." Wride said the FCC's BPL NPRM:

* Applies existing Part 15 emission limits for unlicensed carrier-current systems to BPL systems. Part 15 rules now require that BPL systems eliminate any harmful interference that

may occur "and must cease operation if they cannot," she noted.

* Requires BPL systems to employ "adaptive interference-mitigation techniques, including the capabilities to shut down a specific device, to reduce power levels on a dynamic or remote-control basis and to include or exclude specific operating frequencies or bands."

* Subjects BPL providers to notification requirements that would establish a public database that would include the location of BPL devices, modulation type and operating frequencies.

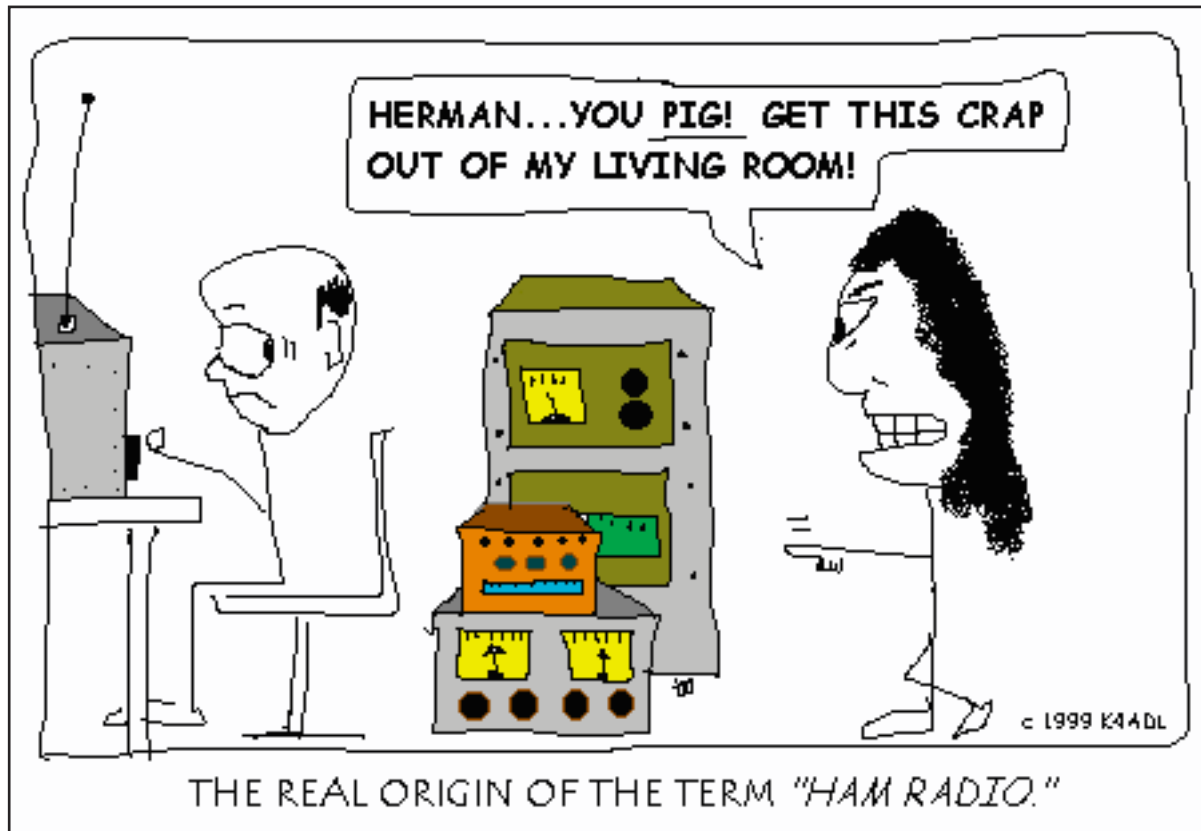
* Proposes guidelines to provide for consistent and repeatable measurement of the RF emissions from BPL and other carrier-current systems.

Mirroring his colleagues' enthusiasm, FCC Chairman Michael Powell called

BPL "tremendously exciting," although he conceded that BPL has "a long way to go." Powell also said the FCC's OET has worked very hard to try to "get their hands around" the issue of interference and that the FCC would continue its vigilance in that area.

The FCC has posted additional information, including a public notice <http://hraunfoss.fcc.gov/edocs_public/attachmatch/DOC-243879A1.doc> on its Web site. The Commission is expected to issue the complete Notice of Proposed Rule Making within a few days and will invite comments on it sometime after publication.

Additional information about BPL and Amateur Radio is on the ARRL Web site <<http://www.arrl.org/tis/info/HTML/plc/>>. To support the League's efforts in this area, visit the ARRL's secure BPL Web site <<https://www.arrl.org/forms/development/donations/bpl/>>.



KCARC Member Profile of the Month



Chris Scott - W4NEQ

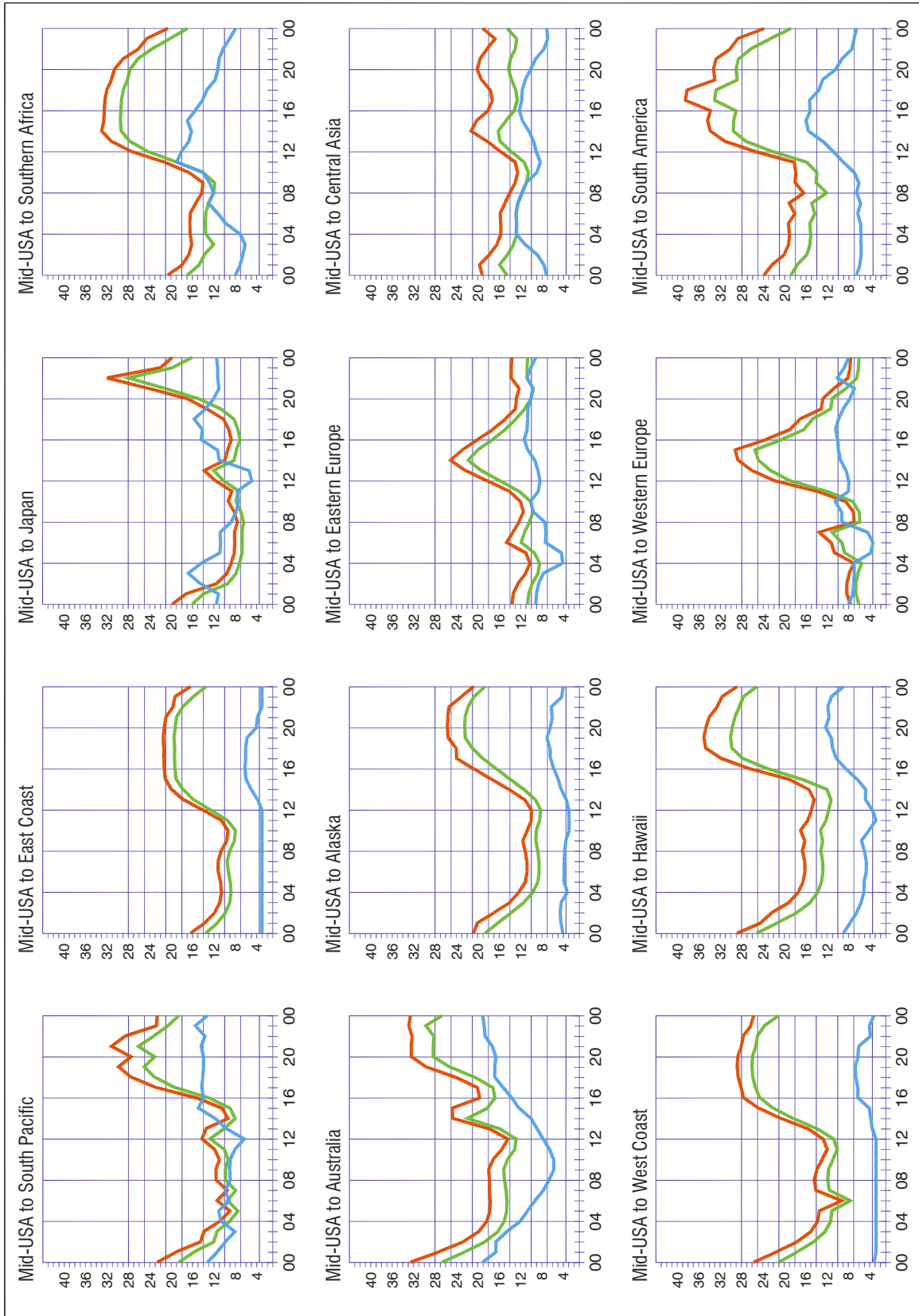
W4NEQ's station:

First licensed in Decatur, Illinois in 1973 as WN9NEQ, Chris began with a Ten-Tec PM2B CW rig with 2 watts on 80 meters. Six months later, he increased this to a whopping 12 watts with a homebrew 6JE6 amp - until the plate choke coil form (cardboard toilet paper tube) caught fire, greatly worrying his father. In early 1975, Chris became WB9NEQ, and built other amps with 811As and 813s.

These days, W4NEQ is sometimes heard on low band SSB and 2 meter FM. A Kenwood ts-870 drives a pair of 3cx800s for HF operation, and a trusty ole TR7400 still hangs in there for occasional FM use. A few years ago he was known to operate ATV from his airplane, along with W4HTB. He's a radio broadcast engineer at Western Kentucky University, audio software dabbler, and specializes in rf and antennas. If you're interested in these topics, Chris's ham website has more detail ... <http://www.scott-inc.com/w4neq.htm>

If you would like to see yourself in print let me know as there are only 10 spaces left!
- Jeff Martin, WB4JM

ARRL Mid-USA HF Propagation Charts. For more informations see:
<http://www.arrl.org/qst/propcharts/>



When are the bands open? These charts, generated using CAPman, show probabilities for average HF propagation in the month of **February 2004** for the paths indicated. The horizontal axes show Coordinated Universal Time (UTC), and the vertical axes frequency in MHz. On 10 % of the days of this period, the highest frequencies propagated will be at least as high as the upper red curves (HPF, highest possible frequency) and on 50 % of the days they will be at least as high as the green curves (MUJ, classical maximum usable frequency). The blue curves show the lowest usable frequency (LUF) for a 1500-W CW transmitter. For SSB or a lower transmitter power, the LUF will be somewhat higher than the blue curves indicate. See Oct 1994 QST, pp 27-30, and Feb 1995 QST, pp 34-36, for more details. The predictions assume an observed 2800-MHz solar flux value of 100. This is a **Medium** level of solar activity. See the detailed propagation tables on *The ARRL Antenna Book CD-ROM*.

There's always room for an extra helping of "Ohm slaw."

It is futile to resist! Allow me to dissipate your willpower as I conduct this examination on our favorite electronic component and concept—resistors and resistance.

1. What has the lowest resistance at room temperature?
 - a. silver
 - b. copper
 - c. gold
 - d. hamfest customers
2. In a "carbon comp" resistor, the "comp" is short for...
 - a. compensated
 - b. compendium
 - c. nothing, it's just "comp"
 - d. composition
3. If your car battery voltage drops from 13 V to 9 V when you key your 25-W mobile rig, you might have a bad...
 - a. headache
 - b. cable or connector
 - c. fuse
 - d. ground strap
4. If a resistor has a 10% tolerance, what does it have a tolerance of?
 - a. resistance value
 - b. bad design
 - c. power overload
 - d. badly written quizzes
5. Three known-value resistors are in a series connection. How many measurements does it take to determine the power dissipation of all three?
6. Certain materials, when cooled to very low temperatures, become...
 - a. extremely cold
 - b. irritable
 - c. superconductive
 - d. hypoallergenic
7. High-voltage resistors are made in long, narrow packages to increase...
 - a. power rating
 - b. inductance
 - c. voltage rating
 - d. visibility

8. The color-code sequence for resistor color bands is...
 - a. EGBDF
 - b. ROTFLMAO
 - c. ROTFLOL
 - d. BBROYGBVWG
9. A resistor with a single, black band is...
 - a. a wire jumper
 - b. in mourning
 - c. defective
 - d. wirewound
10. Wheatstone invented what type of resistive circuit?
 - a. bridge
 - b. rat-race mixer
 - c. subjunctive clause
 - d. toaster oven
11. Negative resistance is a key feature of which component?
 - a. dean drive
 - b. tunnel diodes
 - c. Channel Tunnel diodes
 - d. gyrotrons
12. What is the end-to-end resistance of 10 feet of 50-Ω coaxial cable?

Bonus: In the "old days", what common household item could be transformed into a stable resistor with a little whittling?

Total Your Score!

There are a total of 12 possible answers in this quiz, not including the bonus question. Give yourself one point for each correct answer.

- 9—12 Your knowledge is *irresistible*
- 5—8 Better hit the books again
- 1—4 Too many insulators in your neural circuits

Answers

1. a
2. d—The resistive material is a mix, or composition, of carbon and other binding materials.
3. b—It only takes 1-Ω of total resistance in a cable to cause a 4-V drop at 1 A.
4. a—A resistor's tolerance is the maximum variation above and below its nominal value.
5. Only 1. Measure either voltage or current across the entire string, calculate total power dissipation for the summed resistance value as if it was a single resistor, then allocate to each resistor its share of the heat in proportion to its fraction of total resistance to current flow below a critical temperature.
6. c—A superconductor loses all resistance to current flow below a critical temperature.
7. c—High-voltage resistors are specially made to keep applied voltages from arcing across them or leaking across them from terminal to terminal.

8. d—Black/Brown/Red/Orange/Yellow/Green/Blue/Violet/Gray/White from 0 to 9

9. a—These are often used on PC boards loaded by automatic assembly equipment.

10. a—The Wheatstone bridge is the basis for many sensitive instruments and strain-gages.

11. b—The tunnel, or Isaki, diode shows a negative dynamic resistance, decreasing forward voltage with increasing forward current, and makes a novel amplifier or oscillator.

12. Less than 1 Ω. A cable's impedance rating refers to its characteristics as a transmission line. (Tricky question!)

Bonus: A pencil! Many years ago, pencil leads could be pressed into service as high-value resistors and they were cheaper than the real thing.

Contests & Hamfests for February and March

ARRL CONTEST CALENDAR FOR FEBRUARY

Feb 9 – 13 School Club Round-up
Feb 21 – 22 ARRL International DX Contest (CW)

ARRL CONTEST CALENDAR FOR MARCH

Mar 6 – 7 ARRL International DX Contest (Phone)

SERA HAMFEST CALENDAR FOR FEBRUARY

6-7 MS St ARRL Conv – Jackson, MS
7 Charleston ARS HF - Charleston, SC
8 Mansfield Mid-Winter - Mansfield, OH
7-8 Dade RC Tropical HF - Miami, FL
13-15 OARC HamCation - Orlando, FL
14-15 DixieFest Hamfest - Memphis, TN
21 Hernando Co. Hamfest - Brooksville, FL
22 FrostFest - Richmond, VA
28 Dalton ARC Hamfest - Dalton, GA
29 Hamfest - Fayetteville, WV

SERA HAMFEST CALENDAR FOR MARCH

6 AR River Val. Hamfest - Russellville, AR
6 Kerbel HF at Temple - Knoxville, TN
12-14 Acadiana ARA Hamfest - Rayne, LA
13-14 Hamfest/Computer - Charlotte, NC
13 Mam Cave ARC HF - Cave City, KY
20 PARC HF Ft. - Walton Beach, FL
20 Coonskin Armory - Charleston, WV
20 GARC HF - New Port Richey, FL
20-21 MTARS Hamfest - Tullahoma, TN
21 Toledo MRA Hamfest - Maumee, OH
21 DownEast Hamfest Kinston, NC
28 Lake Cty ARA Hamfest - Madison, OH
27-28 Baltimore ARC HF - Timonium, MD

ARRL HAMFEST CALENDAR FOR FEBRUARY

10-15 Feb 2004
Operating Specialty Convention
ARC of Wally Byam Caravan Club
<http://www.rvweb.net/club/wbcciarc/index.html>
Richard Stroud, W9SR
3139 South Main Street, PO Box 73
Liberty Center, IN 46766
Phone: 260-694-6660
Email: dikw9sr@citiznet.com

13-15 Feb 2004
Southeastern Division Convention
Orlando ARC
<http://www.oarc.org>
Cindy Radice, KD4NLV
PO Box 547811

Orlando, FL 32854-7811
Phone: 407-273-1406
Email: hamcation@oarc.org

14 Feb 2004
Algonquin ARC
<http://www.qsl.net/n1em/>
Ann Weldon, KA1PON
PO Box 258
Marlborough, MA 01752
Phone: 508-481-4988
Email: KA1PON@amsat.org

14 Feb 2004
Augusta ARA
Bill Crowley, K1NIT
150 Maple Street
Farmingdale, ME 04344
Phone: 207-623-9075 (Mornings)
Email: k1nit@arrl.net

14-15 Feb 2004
Tennessee State Convention
DixieFest Committee
<http://www.dixiefest.org>
Ben Troughton, KU4AW
3144 Ingleside Drive
Bartlett, TN 38134-3610
Phone: 901-372-8031
Email: bktrough@bellsouth.net

15 Feb 2004
Aurora Repeater Association
<http://www.qsl.net/n0ara/>
Wayne Heinen, N0POH
PO Box 471802
Aurora, CO 80047-1802
Phone: 303-699-6335
Email: n0poh@arrl.net

15 Feb 2004
Livonia ARC
<http://www.larc.mi.org>
Bill Johnston, W8WSJ
PO Box 51532
Livonia, MI 48151-5532
Phone: 248-486-6443
Email: swap@larc.mi.org

21 Feb 2004
Hernando County ARA
<http://www.hcara.org>
Contact:
John Nejedlo, WB4NOD
15430 Waxweed Avenue
Spring Hill, FL 34610
Phone: 727-856-2568

Email: wb4nod@gate.net
21 Feb 2004
Highlands County ARC
<http://www.strato.net/~hamradio>

Ben Wilbanks, KA6R
2003 Flower Terrace
Sebring, FL 33875
Phone: 863-314-0963
Email: ka6r@arrl.net

21 Feb 2004
Salem Repeater Association
<http://www.qsl.net/w7sra/>
Denis Miller, WC7M
PO Box 17803
Salem, OR 97305
Phone: 503-507-6523
Email: wc7m@arrl.net

21 Feb 2004
Black Hills ARC
<http://www.w0blk.org>
Frank Shaw, NU0F
PO Box 94
Rapid City, SD 57709-0294
Phone: 605-923-4877
Email: nuzerof@rushmore.com

21 Feb 2004
Bastrop County ARC
<http://www.austinhams.org/bcarch>
Lynn Fisk, K5LYN
167 Hudson Road
Smithville, TX 78957-9579
Phone: 512-360-4809
Email: bcarchams@yahoo.com

22 Feb 2004
Virginia State Convention
Richmond Amateur Telecommunications Society
<http://www.frostfest.com>

Pat Wilson, W4PW
PO Box 14828
Richmond, VA 23221-0828
Phone: 804-932-9424 or 804-330-3165
Email: w4pw@frostfest.com

28 Feb 2004
Naval Postgraduate School ARC
<http://www.radiofest.org>
Brian Broggie, W6FV1
PO Box 7368
Carmel, CA 93921-7368
Phone: 831-626-1501
Email: w6fvi@arrl.net

28 Feb 2004
Dalton ARC
Marvin Cooper, N2MC
144 Danny Circle
Calhoun, GA 30701

Phone: 706-629-1480
Email: n2mc@pointlink.net

28 Feb 2004
Cabin Fever Hamfest
La Porte ARC
<http://k9jsi.org>
Neil Straub, WZ9N
PO Box 30
La Porte, IN 46350
Phone: 219-324-7525
Email: nstraub@worldkey.net

28 Feb 2004
St. Cloud ARC
<http://www.w0sv.org>
Scott Hall, KA0DAQ
3001 8th Street North
St. Cloud, MN 56301
Phone: 320-252-4498
Email: lscotth@aol.com

28 Feb 2004
Central Dakota ARC
Dennis Murphy, K0GRM
PO Box 7162
Bismarck, ND 58507-7162
Phone: 701-258-6747
Email: georgerv@bis.midco.net

28 Feb 2004
El Paso ARC
<http://www.qsl.net/w5es>
Clay Emert, K5TRW
109 Pasodale Road
El Paso, TX 79907
Phone: 915-859-5502
Email: k5trw@elpn.com

28 Feb 2004
Orange ARC & Jefferson County ARC
Joan Lexa, WA5LFT
PO Box 232
Orange, TX 77630
Phone: 409-886-1892
Email: WA5LFS@pnx.com

28 Feb 2004
Brazos Valley ARC
<http://www.hal-pc.org/~bvarc/>
Contact:
Ross Lawler, W5HFF
PO Box 1630
Missouri City, TX 77459-1630
Phone: 281-342-3340
Email: w5hff@juno.com

28 Feb 2004
Vermont State Convention
Radio Amateurs of Northern Vermont
<http://www.RANV.org>
Mitchell Stern, W1SJ
Phone: 802-879-6589
Email: w1sj@arrl.net

THE HAMCALL

Volume 43

Number 2

February 2004

29 Feb 2004
Long Island Mobile ARC
<http://www.limarc.org/fest.htm>
Diane Ortiz, K2DO
PO Box 392
Levittown, NY 11756
Phone: 631-286-7562
Email: hamfest@limarc.org

29 Feb 2004
Wireless Association of South Hills
<http://www.washarc.org>
Steve Lane, W3SRL
897 Lovington Drive
Pittsburgh, PA 15216-1725
Phone: 412-341-1043
Email: w3srl@yahoo.com

29 Feb 2004
Vienna Wireless Society
<http://www.viennawireless.org>
Jim Parsons, W4JTP
11011 Moxleys Ford Lane
Bristow, VA 20136
Phone: 703-392-0150
Email: W4JTP@aol.com

29 Feb 2004
Plateau ARA
<http://www.qsl.net/kc8lob>
Wes Holstein, N8WBR
PO Box 96
Fayetteville, WV 25840
Phone: 304-574-0004
Email: n8wbr12@aol.com

ARRL HAMFEST CALENDAR FOR MARCH

6 Mar 2004
Arkansas River Valley AR Foundation
<http://www.cswnet.com/~arvarf/hamfest.htm>
Contact: Margaret Alexander, KC5MCS
1511 North Jackson Avenue
Russellville, AR 72801
Phone: 479-968-7270
Email: ealexand@cswnet.com

6 Mar 2004
Englewood ARS & Peace River Repeater Assn.
<http://www.fcrosby.com/hamfest>
Contact: George Shreve, KA4JKY
13591 Martha Avenue
Port Charlotte, FL 33981
Phone: 941-697-3445
Email: gshreve@ewol.com

6 Mar 2004
SWIARC "Hamorama"
South West Iowa ARC
Contact: Bob Conley, WOLYU
Phone: 402-451-0707
Email: RAConley@cox.net

6 Mar 2004
Splitrock ARA
<http://www.splitrockara.org>
Contact: Michael Greenfeld, K8BQ

PO Box 610
Rockaway, NJ 07866
Phone: 866-457-6687
Email: hamfest@splitrockara.org

6 Mar 2004
West Central Oklahoma ARC
Contact: Earl Bottom, N5NEB
PO Box 2023
Elk City, OK 73644
Phone: 580-821-0633
Email: n5neb@dobsonteleco.com

6 Mar 2004
Kerbela AR Service
Contact: Paul Baird, K3PB
1500 Coulter Shoals Circle
Lenoir City, TN 37772
Phone: 423-986-9562

6 Mar 2004
Mike & Key ARC
<http://www.mikeandkey.com>
Contact: Michael Dinkelman, N7WA
22222 148th Avenue SE
Kent, WA 98042
Phone: 253-631-3756
Email: mwdink@eskimo.com

7 Mar 2004
Lancaster ARC
<http://larc.hamgate.net>
Contact: Luke Caliano, N2GDU
1105 Ransom Road
Lancaster, NY 14086
Phone: 716-634-4667
Email: luke@towncountryflorist.com

12-14 Mar 2004
Acadiana ARA
<http://www.w5ddl.org/hamfest/>
Contact: Al Oubre, K5DPG
3011 Sugar Mill Road
New Iberia, LA 70563-8624
Phone: 337-367-3901
Email: k5dpg@w5ddl.org

13 Mar 2004
North Arkansas ARS
<http://naars.org/>
Contact: William Rose, N5VKF
1007 North Maple Street
Harrison, AR 72601
Phone: 870-741-7074 or 870-741-6968
Email: billrose@cox-internet.com

13 Mar 2004
Scottsdale ARC
Contact: Ed Nickerson, WU7S
902 North 73rd Place
Scottsdale, AZ 85257
Phone: 480-947-9343
Email: enickerson2004@aol.com

13 Mar 2004
Wabash Valley ARA
<http://www.qsl.net/k9dur/tailgate.htm>
Contact: Don Pine, K9DRP
56 Archer Avenue

Marshall, IL 62441
Phone: 217-826-1111
Email: donpine@abcs.com

13 Mar 2004
Mammoth Cave ARC
<http://www.ky4x.org>
Contact: Larry Brumett, KN4IV
108 Withers Drive
Glasgow, KY 42141
Phone: 270-651-2363
Email: lbrumett@glasgow-ky.com

13-14 Mar 2004
North Carolina Section Convention
Mecklenburg ARS
<http://www.w4fbf.org>
Contact: Tim Slay, N4IB
141 Queens Cove Road
 Mooresville, NC 28117
Phone: 704-948-7373
Email: hamfest@w4fbf.org

13 Mar 2004
Red River Radio Amateurs
<http://www.rrra.org>
Contact: Jody Krufft, KC0HIG
1220 Monte Carlo Drive
Fargo, ND 58102
Phone: 701-280-0700
Email: kc0hig@hotmail.com

13 Mar 2004
Cherryville Repeater Association
<http://www.qsl.net/w2cra>
Contact: Cherryville Repeater Association,
W2CRA
PO Box 308
Quakertown, NJ 08868
Phone: 908-788-4080
Email: w2cra@qsl.net

13 Mar 2004
Irving ARC
<http://www.irvingarc.org/>
Contact: Coleta Taylor, KD5QFH
PO Box 153333
Irving, TX 75016-3333
Phone: 972-579-9089
Email: kd5qfh@arrl.net

14 Mar 2004
Sterling-Rock Falls ARS
<http://www.sterlinghamfest.com>
Contact: Lloyd Sherman, KB9APW
PO Box 521
Sterling, IL 61081
Phone: 815-336-2434
Email: lsherman@essex1.com

14 Mar 2004
Orange County ARC
<http://www.bestweb.net/~ocarc/>
Contact: Ed Moskowitz, N2XJI
123 Harold Avenue
Cornwall, NY 12518
Phone: 845-534-3492
Email: n2xji@arrl.net

14 Mar 2004
Two Rivers ARC
<http://www.qsl.net/w3oc/hamfest.htm>
Contact: Bill Hetrick, N3LQC
696 King Street
McKeesport, PA 15132
Phone: 412-751-1937
Fax: 412-754-0562
Email: n3lqc@attbi.com

19-20 Mar 2004
Oklahoma Section Convention
Green Country Hamfest Committee
<http://www.greencountryhamfest.org>
Contact: Merlin Griffin, WB5OSM
PO Box 470132
Tulsa, OK 74147-0132
Phone: 918-520-7668
Email: info@greencountryhamfest.org

20 Mar 2004
Eastern Connecticut ARA
<http://www.qsl.net/k1muj/>
Contact: Paul Rollinson, KE1LI
182 Wrights Crossing Road
Pomfret Center, CT 06259
Phone: 860-928-2456
Email: KE1LI@arrl.net

20 Mar 2004
Playground ARC
<http://www.w4zbb.org>
Contact: Mahlon Haunschild, K4QOQ
PO Box 873
Fort Walton Beach, FL 32549
Phone: 850-243-4315
Email: parcfest@w4zbb.org

20 Mar 2004
Martin County ARA
Contact: Peter Lynch, W1MNY
7003 SE Cutler Trail
Stuart, FL 34997
Phone: 772-288-1048
Email: w1mny@arrl.net

20 Mar 2004
Kennehoochee ARC
<http://www.w4bti.org>
Contact: E. S. Kanter, W4PGI
1213 Pinehurst Circle
Smyrna, GA 30080
Phone: 770-815-1570
Email: w4pgi@arrl.net

20 Mar 2004
Southern Michigan ARS
<http://www.qsl.net/w8df>
Contact: Chuck Williams, WD8LJF
15202 Ackerson Drive
Battle Creek, MI 49014
Phone: 269-964-3197
Email: bevolin@msn.com

20 Mar 2004
HAM-EX 2004
Peel ARC
<http://www.peelarc.org>
Contact: Peter Taylor, VE3DRS

365 Vodden Street East
Brampton, ON (CANADA) L6V 1N5
Phone: 905-453-6096
Email: ham-ex@sympatico.ca

20-21 Mar 2004
Middle Tennessee ARS
http://www.mtars.org
Contact: Jimmy Floyd, NQ4U
PO Box 932
Tullahoma, TN 37388
Phone: 931-393-0095
Email: nq4u@bellsouth.net

20 Mar 2004
Brenham ARC
http://www.alpha1.net/~barc
Contact: Dan Lakenmacher, N5UNU
10312 Highway 36 North
Brenham, TX 77833
Phone: 979-836-8739
Email: llakenmacher@yahoo.com

20-21 Mar 2004
West Texas Section Convention
Midland ARC
http://www.w5qgg.org
Contact: Joe Coldewey, KK5ZG
4510 Fairbanks Drive
Midland, TX 79707
Phone: 432-697-7846
Email: kk5zg@caprok.net

20 Mar 2004
Charleston Area Hamfest & Computer Show
Contact: William Kibler, K8WMX
PO Box 916
St. Albans, WV 25177-0916
Phone: 304-722-3150
Email: k8wmx@juno.com

21 Mar 2004
Down East Hamfest Association
Contact: Jean DuPree, KB4OHX
212 East Capitola Avenue
Kinston, NC 28501
Phone: 252-523-2703
Email: jeanhd@icomnet.com

21 Mar 2004
Toledo Mobile Radio Association
http://www.tmrahamradio.org
Contact: Brian Harrington, WD8MXR
4463 Holly Hill Drive
Toledo, OH 43614
Phone: 419-385-5624
Email: wd8mxr@arrl.net

21 Mar 2004
Tri-County ARC
http://www.cmdline.com/tcarc/
Contact: John Satterlee, WA9SAB
213 Frederick Street
Ft. Atkinson, WI 53538
Phone: 920-563-6381
Fax: 920-563-9551
Email: jsatt@ticon.net

26-27 Mar 2004
Maine State Convention
Androscoggin ARC
http://www.mainearrl.org/convent.htm
Contact: Rick James, N1WFO
7 Judkin Avenue
Lewiston, ME 04240
Phone: 207-784-1266 (Home) or 207-740-1266 (Cell)
Email: n1wfo@adelphia.net

27 Mar 2004
Gulf Coast ARC
http://www.gulfcoastarc.org/
Contact: Donald Patee, AA4EK
4811 Rowan Road, Apt. 401
New Port Richey, FL 34653
Phone: 727-372-3811
Email: aa4ek@arrl.net

27 Mar 2004
Cy Harris W4MAQ Memorial Free Flea
Motorola ARC
http://www.geocities.com/bcepn/freeflea.html
Contact: Richard Block, KG4CHW
5080 SW 64th Avenue, Apt. 201
Davie, FL 33314-5214
Phone: 954-275-0652
Email: kg4chw@arrl.net

27 Mar 2004
Columbus ARC
Contact: Marion Winterberg, WD9HTN
11941 West Sawmill Road
Columbus, IN 47201-8000
Phone: 812-342-4670
Email: carc_in@yahoo.com

27 Mar 2004
Michigan City ARC
http://home.comcast.net/~w9ly/Hamfest.htm
Contact: Ron Stahoviak, N9TPC
5802 North 400 West
Michigan City, IN 46360
Phone: 219-325-9089
Email: rstahoviak@adsnet.com

27-28 Mar 2004
Maryland State Convention
Baltimore ARC
http://www.gbhc.org
Contact: Doug Wittich, N3VEJ
3607 Klausmier Road
Baltimore, MD 21236-4818
Phone: 410-256-0257
Email: info@gbhc.org

27 Mar 2004
Robbinsdale ARC
http://www.k0lrc.org
Contact: Jerry Dorf, N0FWG
PO Box 22613
Robbinsdale, MN 55422
Phone: 763-537-1722
Email: k0lrc@k0lrc.org

27 Mar 2004
ARC of Parker County
Contact: James Adams, AD5KG

4500 Old Springtown Road
Weatherford, TX 76085
Phone: 817-341-1979
Email: ad5kg@arrl.net

28 Mar 2004
North Shore Radio Club
http://www.ns9rc.org
Contact: Jacob Fishman, NE0NS
834 Bach Street
Northbrook, IL 60062
Phone: 847-291-4160
Email: jaf@lwt.net

28 Mar 2004
Framingham ARA
http://fara.org/fleamarket
Contact: Beverly Lees, N1LOO
PO Box 3005
Framingham, MA 01705
Phone: 508-626-2012
Email: b-blees@juno.com

28 Mar 2004
Contoocook Valley Radio Club
http://www.qsl.net/k1bke
Contact: Jim McElroy, NS1E
34 Rush Road
Henniker, NH 03242
Phone: 603-428-7436
Email: ns1e@arrl.net

28 Mar 2004
Lake County ARA
http://www.lcara.org
Contact: Robert Liddy, K8BL
7321 Enfield Drive
Mentor, OH 44060
Phone: 440-951-0283
Email: k8bl@ameritech.net

28 Mar 2004
Foothills ARC
http://www.W3LWW.org
Contact: Al Compton, N3LQX
555 Agnew Road
Greensburg, PA 15601
Phone: 724-523-3727
Email: Albert_555@msn.com

Mammoth Cave Amateur Radio Club announces:

The 28th Annual Cave City Hamfest
Cave City Convention Center, Cave City, KY
Saturday, March 13, 2004
Gates Open 7:30am CST
Talk-in on 146.34/.94 Glasgow, KY
444.925/449.925 Repeater KY4X-R
has full-time EchoLink

Cave City Convention Center is located just off Interstate 65 at Exit 53. Go to stoplight and turn left onto Highway 70, Fest is 1/4 mile on the left.

Admission \$6.00 (Children Under 12 Free)
Tables \$7.00

V.E. Testing (tell ticket sellers you are for testing)
9:00am CST No Code Tests
10:00am CST All Other Tests
Upgrades bring copy of license and photo ID

ARRL Forum
Door Prizes
3.960 Meeting
Navy Mars Meeting
DXCC Card Checking
FREE Coffee (limited supply)
Concessions Available

VENDORS SET-UP Friday March 12,
2004 6:00pm - 9:00pm CST
OUTDOOR flea market spaces available
- WEATHER PERMITTING

Hamfest Chairman
Tom Buchanan, KG4KGY
270 773 2408
tbuch@scrtc.com

Table Reservations (they usually sell out so please do reserve)
\$7.00 per table
Contact: Larry Brumett, KN4IV
270 651 2363
lbrumett@glasgow-ky.com

Exam Questions
Contact: Chappy Rice, KD4SS
270 659 3518
crice@glasgow-ky.com

ARRL Kentucky Section
Section Manager: John D. Meyers, NB4K
nb4k@arrl.org

THE HAMCALL

Volume 43

Number 2

February 2004

KCARC MEMBERSHIP INFORMATION FOR 2004

NAME: _____ CALL: _____ TYPE* _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

BIRTHDATE: ___/___/___ YEAR FIRST LICENSED _____
MO DAY YEAR

HOME PHONE _____ WORK/CELL PHONE _____

EMAIL ADDRESS _____

ARRL MEMBER? Y N NOVICE ___ TECH ___ GENERAL ___ EXTRA ___

PLEASE INDICATE YOUR INTEREST (check the following categories)

- | | | |
|---------------------------------|----------------------|---------------|
| ---Programs for meetings | ---Pumpkin Watch | ---Contests |
| ---Writing articles for Hamcall | ___Teaching a class | ---Amateur TV |
| ---Awards Dinner | ---Taking a class | ---Packet |
| ---Emergency Communications | ---Communications at | ---SSTV |
| | Community events | |
| ---Homebrew construction | ---Field Day | ---Satellite |
| ---Other(pls explain) | | ---DX |

What do you like the most about Ham Radio? _____

+++++

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All Past, Present, and New Mem-
bers must complete a member-
ship application for 2004.

Claire Rinehart, KF4IWX
755 Whitlock Rd.
Alvalton, KY 42122

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THE HAMCALL

Volume 43

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NEXT KCARC CLUB MEETING:
FEBRUARY 20, 2004 AT THE BOWLING
GREEN POLICE STATION COMMUNITY
MEETING ROOM. 911 KENTUCKY ST.

THE FORTH DISTRICT ARES NET MEETS
7 NIGHTS A WEEK AT 9:00PM LOCAL TIME.
REPEATER FREQUENCY 147.330 MHZ,
KA4CFW. SECONDARY REPEATER 147.165
MHZ, W4WSM.

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Local Repeaters

Two -Meters

147.060+	PL156.7	K4LOL (CLUB)
147.165+		W4WSM
147.330+		KA4CFW
146.655-		W4WSM
145.450-		KG4FEJ (Echo-link)

440MHz

444.100+		W4WSM
444.700+	PL136.5	WB4JM (IRLP 4678) (Use the # key before dialing any IRLP node number)
444.850+	PL179.9	KF4QZN (Horse Cave)

ATV

439.25 AM IN - W4HTB
1280.00 FM Out - W4HTB
421.25 AM Out (CH-57) - W4HTB

THE HAMCALL

The Kentucky Colonels Amateur Radio Club
C/O Claire Rinehart, KF4IWX
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Alvalton, KY 42122