THE FRANKFORD RADIO CLUB
NEWSLETTER
PROFICIENCY THROUGH COMPETITION

CALENDAR

February 2004:

7	No. Amer. Sprint, SSB
7-8	Delaware QSO Party
10	**FRC Main Meeting, Phila**
10	**Rexy Meeting B**
13	**FRC West Meeting**
14	No. Amer. Sprint, CW
19	**T.I.T.S. Meeting, Noon**
21-22	**ARRL DX Contest, CW**
24	**Rexy Meeting B**
28-29	CQ 160 Meter Contest, CW

March 2004:

6-7	**ARRL DX Contest, SSB**
9	**FRC Main Meeting, Phila**
9	**Rexy Meeting B**
18	**T.I.T.S. Meeting, Noon**
20-21	Russian DX Contest
23	**Rexy Meeting B**
27-28	CQ WPX Contest, SSB

April 2004:

7-8	Japan Intl. DX Test, CW
13	**FRC Main Meeting, Phila**
13	**Rexy Meeting B**
15	**T.I.T.S. Meeting, Noon**
17-18	YU DX Contest
24-25	Helvetia Contest
24-25	Florida QSO Party
27	**Rexy Meeting B**

CHANGES

None this month

Deadline for March issue:

Tuesday, February 24, 2004

President's Message

With the first half of the contest season behind us, it is time to seriously look at winning the up coming ARRL CONTESTS. Remember, last year the YCCC only beat us by a small margin. If we can get our act together, we might be able to win this year. It will take all the members we can get to be on the air to work these two contests. Please take time now to mark your calendar so you remember to get on the air and help your fellow members win ARRL CW and PHONE.

The dates for the contests are Feb 21st and 22nd for CW and Mar 6th and 7th for phone. Try not to make any other plans for these weekends so you can support the FRC by participating in both contests. It's time we **all** give the club our SUPPORT and EFFORT. Do you remember when we could proudly say **FRC** was the BEST CONTEST CLUB IN THE UNIVERSE? If we all contribute some time, we will be able to say those words again. It is up to each of us to make this happen.

Another point to remember is that ARRL does not require meeting attendance to be eligible. Please do not let inactive status hold you back from working these contests and helping your club. Just let **K3WW** know that you plan to be active for the contests. Multis are only required to have 50% members for their entire score to benefit the club.

Nomination for Club officers will be accepted at the February meeting and elections will be held at the March meeting. Anyone with the desire to run for a club office should make their interest known at the next meeting. Please advise Alan, **N3AD**, who is head of the Election Committee.

The next club meeting is at the college on Feb. 10th at 8:00 PM. I hope everyone will attend. Remember, for the club to win the ARRL contests, it will be necessary for everyone to contribute as many points as they can in BOTH modes.

73, Joe, K3NM/V47NM

MEETINGS

Main Meeting

The main monthly meeting of the **Frankford Radio Club** will be held on Tuesday, February 10 at 8 PM. Location is Rosenburger Hall, Room 102 at the University of the Sciences in Philadelphia.

T.I.T.S. meeting

The Trexlertown International Transmitting Society meets on Thursday, February 19 at 12:00 noon. Location is the Hometown Diner on Route 222.

Rexy Meeting B

The Rexy's **FRC** Meeting B meets after the main **FRC** meeting on the second Tuesday of each month, and at about 8 PM on the fourth Tuesday of each month.

FRC West

The **FRC** West group will meet at the Silk City dinner on Route 272 South on Friday, February 13th at 8:00. Please plan to attend. This is the big pep rally before ARRL contest weekends. Time to ask all those questions on how to get bigger scores in this gang there is always some one who has a answer!!!!!!

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FRC DXpeditions

P40W by **W2GD.** ARRL DX CW SOAB Low Power - to challenge the LP world record held by **FRC**er K3IPK/6V6U. QSX 160 on the hour 0200 - 0900 UTC. QSX 80 on the 1/2 hour. QSL via N2MM

Equipment will be IC756ProII, C4, 80M/160M Inverted V Beverages North and Northwest

WP2Z - ARRL DX CW SOAB High Power by **K3MD**.

Report all ARRL DX scores PROMPTLY to **K3WW** (k3ww@fast.net)!!!

IRC and 160 meter tips

IRC

Had a couple guys ask about IRC recently and thought I would put the instructions out again since I have recently decided to go to a "keyword" access to keep the IRC loonies out. I will activate a system whereby you may invite your friends and teammates to the room.

We have a web portal on the website but I really want to get you to get the much more powerful mIRC software. You can try it at mirc.org. Download the current release, then I suggest reading, N6RT, Doug Brandon's, help file at <http://dx.qsl.net/cqdx/>

When you configure for our Chat room you specify the radiochat.org server and scroll down to perform in the options list and type in /join #FRC <password> and it will automatically send you to **FRC** Contest chat. Dial-up connection is no problem. Cable guys can hang around forever. This allows everyone in the club to maintain LIVE keyboard to keyboard contact with one another. Think of it as a 2 meter repeater that covers the club from end to end.

There is a small group of contesters who are there now and have been "founding fathers" of the room. You DO NOT have to stay and hang out. Just stop by and see if anything interesting is going on. If you want to join fine. If not no hard feelings. I just feel passionately about it as I see its merits in club camaraderie.

Contact W3CF for the "new" password

73, Doug, W3CF

Some tuning tips for the 160 meter contests

I run "SO2R" in the 160 meter contests. The Yaesu FT1000MP with Inrad filters is the main radio (right ear) and the old Kenwood TS940s with Kenwood filters is the second radio (left ear). My station is laid out with the computer monitor directly in front of me on the operating table, the MP just to the right of it, and the 940 just to the left. The keyboard is on a slide-out shelf below the operating table, and just above it is the Top Ten DX Doubler box. Beverage switching boxes are just to the left of the DX Doubler, to minimize the reach from the keyboard. My keyer paddle is on the shelf just to the right of the keyboard.

I use Heil Proset headphones and the DX Doubler switches the audio to one or both of the receivers. With the NA logging software, I also can switch radios from the keyboard, though for the 160 contest I only use the MP for transmitting.

I usually set the sub-VFO in the MP for the transmit frequency, and tune with the main VFO using the pair of Inrad 250-hz filters. I find these narrow filters especially helpful for sorting out the pileup of weak Europeans. I can usually identify several different calls as I tune across the pileup. The extra-narrow filters also enable me to copy weak DX signals right underneath some stateside station calling CQ.

I ran most of the contest with the MP attenuator set at 6 db or 12 db to help with the overload of contest signals. The external Ameco preamp that I sometimes use for DXing was off for the contest. The MP's internal preamp was left on while I was listening on the Beverages but was off the few times I found listening on the TX array better than the Beverages (this was mostly at our sunset and at European sunrise). Usually I had the RF gain backed off a bit too.

The 940 is in the left ear and, being broader, catches callers who are a bit off frequency. The stereo effect of hearing a station on slightly different frequencies sometimes makes it easier to copy them. Sometimes the double audio can be distracting and I just switch to one or the other.

The 940 also can select a Beverage in some other direction than the main radio so I can hear other stations calling in when I'm focused on Europe.

When the run slows down I use the main VFO in the MP to search the band in between CQs, and I keep the 940 on my TX frequency.

73, Jon AA1K

To the Editor

I have/had two incentives for getting Ed Hare W1RFI of the ARRL to deliver his presentation on the Broadband Over Powerlines QRN threat to the HF bands at the January meeting.

First was to drive home the realities of BPL as it relates to the core reason the club exists, the terminal damage BPL could very well do to HF DX contesting and the whole spectrum of investments FRCers have in the avocation. I think Ed accomplished that mission and then some; 'twas a great meeting from my seat.

My second and follow up objective is to pry MONEY out of the FRC membership to form a club donation to the ARRL anti-BPL fund. This is a special fund used exclusively for paying the bills the League runs up in it's efforts to get the FCC to disallow the implementation of BPL Club donations are being solicited, follow the link. The link is a bit stale at this point but the basics still stand.

<http://www.arrl.org/news/stories/2003/08/27/2/>

Most of the fund is used to pay legal expenses. Travel expenses is another one. Last I heard those expenses are projected to be in the 1/3-1/2 million dollar range in the near term.

"Why an FRC club donation?" you might ask. Because there are other clubs out there which have already donated up to $2K. Given the huge investments the FRC has collectively in HF ops and it's decades-long profile as one the premier Big Gun clubs in the country we'd come up looking *really* bad if some "Podunk Hollow Repeater and 40M QRP Ass'n" made the list of donating clubs with a kilobuck and the FRC didn't even make the list.

There have been doubts expressed about the effectiveness of the ARRL battle against titans like the power utilities who have been lobbying for the implementation of BPL. In this vein the following is snipped from a piece of e-mail Ed sent:

" . . . When this was first put on the plate (The BPL issue put before the FCC), it was clear that the FCC Commissioners considered it to be a slam dunk. It is clear from recent FCC speeches that they have a more reasonable view now. ARRL played a role in getting a number of the other major players on board, and even those that did not work directly with ARRL have seen ARRL's filings and have made good use of them . . . "

Per long-established club policy we normally leave making donations to "causes" in the hands of the individual members. But the fund drive I'm proposing here would not be a club donation in the usual sense; it would *not* involve the club treasury. I'm going to bring the matter up at the regular club February 10th meeting for discussion and decisions and here's the way I'd like to see it go:

The concept is approved.

Joe invokes his executive powers and dragoons some soul or another into being the collection point for the checks us members write in support of the League's efforts. The checks would be payable to the ARRL, *not* to the FRC. As an aside note that a number of members have already contributed to the fund.

At some to-be-decided cutoff date, say March 31, 2004, the pile of accumulated checks along with a cover letter goes off to HQ and we've done what should be done. I'm showing up at the meeting with my hundred-dollar contribution.

Brian W3RV

Climbing Safety Information

Reprinted with permission from the January 14, 2004 ARRL Contest Rate Sheet

Climbing safety is discussed in an article in Occupational Health &Safety magazine, Vol. 27, No. 3, pages 86-90, March 2003 by Weems and Bishop, titled "Will Your Safety Harness Kill You?" It describes possible post-fall trauma that can cause death in minutes and precautions and actions to take to lessen the risks of post-fall trauma. Every climber and potential rescuer (that's all of us!) should read and remember the article's plain English principles posted at http://www.cdc.gov/elcosh/docs/d0500/d000568/d000568.html. There is also a PDF file version. (Thanks, Bob AA0CY and others)

Contesting Tips and Resources

Reprinted with permission from the January 14, 2004 ARRL Contest Rate Sheet

Contest Hall of Fame software author Ken Wolff K1EA has released CT10 placed it on http://www.k1ea.com for download. The BIN file format has been changed to add additional information for each QSO. This allows support of NAQP and NA Sprint. Two new conversion utilities; 9TO10 and 10TO9 are provided to convert the program files between versions. Windows versions of these programs are packaged with CTWin and can be found in C:\Program Files\K1EA Software\CtWin. The MS-DOS versions have the same names and can be found in CT10_00.ZIP. Bugs still outstanding in version 9 will be fixed in version 10 only. (Thanks, Ken K1EA)

The complete list of Logs Received, including both paper and electronic submissions, for the 2003 ARRL November CW and Phone Sweepstakes has been posted at http://www.arrl.org/contests/claimed. If you find an error in your information, or you hold a numbered receipt and your score does not show up on the report, please contact N1ND at n1nd@arrl.org or by phone at 860-594-0232. (Thanks, Dan N1ND)

David N9KT contributes links to three useful freeware programs. Master.dta (http://www.netvampire.com/ham) is an editor to view and edit the Master Callsign Database file used in many contesting programs, import and export callsigns, auto-download announced DX operations. Audacity (http://audacity.sourceforge.net/) is an audio editor that handles recording and editing of WAV, AIFF, MP3 files and more. David uses it to produce files for my DVK. QuickMix (http://www.msaxon.com/quickmix/) allows you to store all or part of the current state of your audio mixer controls in a settings file, and to restore the mixer to that state whenever you want. Very useful if you are using a sound card DVK or RTTY, PSK31, or SSTV programs.

Congressman Ham asks FCC to Wait for NTIA Study Before Acting on BPL

US Representative Greg Walden, WB7OCE, has called on the FCC to put off any further action in its Broadband over Power Line (BPL) proceeding until the National Telecommunications and Information Administration (NTIA) releases the results of its BPL study and the public has had a chance to comment.

"I feel that it is important to give the NTIA study thorough consideration before proceeding further with BPL technology, in view of the importance of avoiding interference to federal government HF communications," Walden said in a January 15 letter to FCC Chairman Michael Powell. An Oregon Republican, Walden is one of two Amateur Radio licensees in the US House. The FCC released a BPL Notice of Inquiry in ET Docket 03-104 <<http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-03-100A1.doc>> last April.

In comments <<http://www.ntia.doc.gov/ntiahome/fccfilings/2003/bplcomments_08132003.htm>> filed last August, the NTIA expressed "broad concern" about BPL. The agency--which administers spectrum allocated to federal government users--has said the FCC "must ensure that other communications services, especially government operations, are adequately protected from unacceptable interference."

The NTIA, which is part of the US Department of Commerce, subsequently undertook evaluations of BPL field test sites, in part to gauge the technology's interference potential. Walden noted that the NTIA's field work was scheduled to wrap up this month, and that its observations and conclusions would be released sometime during the first quarter of this year.

Walden told Powell that, given its interference potential to federal and non-government radio services in the HF and low-VHF range, the issue of BPL is "of great concern to me." He did not indicate in his letter that he was an Amateur Radio licensee. "It is important that the commission give serious consideration to both the NTIA study and the subsequent round of public comment on the study results," Walden asserted. While agreeing with the goal of increased competition in broadband delivery, Walden encouraged the FCC to "give sufficient attention" to concerns raised regarding BPL's potential to interfere with other radio services. He also asked Powell to respond outlining how the FCC intends to proceed in the matter.

A Look at the Sprint Contests

First in a series on "minor" contests by John Thompson, ***K3MD***

Chas, **K3WW**, has asked me to write a series on minor and domestic contests. First, you ask, "who is this strange prophet from the West who says there are other contests than the DX Contest? That thou shalt operate the DX Contests primarily was handed down in stone from the mountain." Actually, no it wasn't. The emphasis on the DX contest stems from the time in the 50's and 60's when each mode for each contest took 2 full weekends. There was much moaning on the part of **FRC**'ers when it was shortened to one weekend. Ninety-six hours was grueling. The "ratemeter" had not yet been invented. You were too exhausted to operate anything else. The famous contesters of the day (e.g., W9IOP) made their name in the Sweepstakes.

We will now cover the Sprint. This contest was thought up in the 70's by Rusty Epps, W6OAT. The intent was to get the best contest operators in the country on in a short contest that would not interfere with normal everyday activities. Who would not be able to spare 4 hours after the history of the unbelievable 96 hours per weekend for the DX Contest? No one, very simple answer.

This contest is held at the beginning of February *(see calendar on page 1)* and in September, as covered on the WA7BNM contest calendar. It traditionally attracts some of the very biggest and famous operators in the country, K1KI, K1AR, N2IC, N2NC, K3LR, K3WW, AA3B, K3ZO, W4AN, K5XD, N6TR, etc.

This is a very intense and fun contest. I have done a controlled study of this contest, and find that one beer sometimes increases the overall QSO count. (I know this is against the rules, but this contest does not count anyway.) The contest runs 7- 11 PM EST, always on a Sat. night.

The most annoying part of the contest is probably the best characteristic. In order to avoid the bigger stations just calling CQ, there is the QSY rule. After making a contact, you must QSY 1 KHz before making another contact, or 5 KHz before calling CQ. This makes for a very rapid exchange. The process is easier on CW than SSB. There is a great deal of interference with the contest on 75M, therefore, the contest is less popular on SSB. The contest is not large enough to take over the entire band, so the 75M stalwarts defend their frequencies.

The name is part of the exchange. In order to defeat the use of databases, some operators change their names for this contest. In one contest there were around 10 operators with different spellings of the name derrick. This was during the first Sprint ever computer cross-checked, and there were a large number of logs docked because of misspelling of the copied derrick exchange.

The top operators in this contest are breaking 400 QSO's, using SO2R technique. Only simple antennas are required. A triband beam and wires are more than adequate. The contest does have low-power and QRP entry categories. The contest is strategically timed so that is acts as a warm-up for the intense fall contest season and as a picker-upper in between the major DX contests. This calendar placement was intentional and works very well.

It could be argued that this is not a good warm-up for the DX contest, as all the major multi's and single ops do a lot of CQ'ing, but what the heck, we are flexible, aren't we? I am always amazed at how the really top operators do a lot of hunt-and-pecking, and how fast they are at this. If you haven't followed some of the top operators around the band and observed how they operate, this would be a good project for you.

Results are available on the website or in printed form in NCJ. It is very interesting to look up old contest results for this contest and to observe how rates and scores have jumped up over the years.

Team competition is available, up to 10 members on a team. There is no geographic restriction or club restriction, so some of the teams amassed are literally unbeatable. However, in recent years the teams have tended to be contest-club oriented, with NCCC, YCCC, NCC, and Dead Lizards CAN talk taking the highest honors. Registration can be easily made up to minutes before the contest, and there are usually several last-minute teams.

More Contesting Tips and Resources

Reprinted with permission from the January 28, 2004 ARRL Contest Rate Sheet

CQ WW 160 Log Submission Info

For those of you gearing up to send your CQ WW 160 log to the sponsor, "I am using the restrictive Cabrillo robot at kkn.net starting this year. Make sure your log is in Cabrillo format. I found in testing that the name must be correct (CQ-160-CW or CQ-160-SSB) and check the category. If mode (CW or SSB) is shown then edit this out SINGLE-OP 160M HIGH is correct and SINGLE-OP 160M HIGH CW is not. Several logging programs add mode and are incorrect according to Cabrillo specs. The correct e-mail addresses are 160cw@kkn.net and 160ssb@kkn.net - use of the old cq160 or cq160cw or cq160ssb addresses will cause the e-mail to be kicked back." (Thanks, Dave K4JRB CQ 160 Contests Director)

New Super Check Partial Database Available

Randy K5ZD has released a new set of Super Check Partial database files dated 17JAN2004. The files can be downloaded from <http://www.k5zd.com/scp>. The data base was created out of 1,888,577 QSOs from 1183 logs. The full data set contained 92492 unique calls which were filtered to create the master files. The files are date-stamped in the format "VERyyyymmdd" so you can be sure to use the latest files.

IARU HF Scores Available

The scores database for the 2003 IARU HF World Championship is now online, along with the Web Report for the contest at <http://www.arrl.org/members-only/contests>. (Some of the HQ stations scores were corrected, requiring the results to be off-line for a while.) If the classes in the scores database search engine form are confusing,here is their translation, courtesy of Ken WM5R.

Search Form Category

- - - - - - - - - - - - - - -

1 IARU HQ Stations

A Single Op CW Only

B Single Op Phone Only

C Single Op Mixed Mode

D Multi-Single Mixed Mode

R IARU Administrative Council Single Ops

Beacon Network Info

The beacon network operated by the IARU and the Northern California DX Foundation deserves a mention every once in a while. The 18 beacon stations operate all over the world on 20, 17, 15, 12 and 10 meters. Details are at <http://www.ncdxf.org/beacons.html>. The NCDXF website lists many software tools for use with the beacon network at <http://www.ncdxf.org/Beacon/BeaconPrograms.html>.

FCC CHAIRMAN TOUCHES ON BPL INTERFERENCE ISSUE IN PRESS CLUB SPEECH

FCC Chairman Michael Powell has cited the Commission's promotion of Broadband over Power Line (BPL) technology as an example of a government policy that supports expansion of broadband technology to all Americans. At the same time, Powell said, the FCC needs to ensure BPL doesn't interfere with licensed radio services. In his January 14 speech before the National Press Club, Powell mentioned BPL among "new emerging platforms" for broadband delivery.

"With BPL you theoretically reach every American with broadband to every power plug in America," Powell said. "Our goals of universal service will be substantially advanced if that service were fully deployed." Powell also acknowledged interference concerns that have been dogging BPL and raised by the Amateur Radio community and by at least two federal agencies: the Federal Emergency Management Agency--now a part of the Department of Homeland Security--and the National Telecommunications and Information Administration (NTIA), which manages spectrum allocated to government users.

"We will continue to explore ways to support this technology while protecting services from interference," Powell pledged. In the next breath, Powell pointed out that the FCC also is looking to increase the feasibility of broadband delivery via satellite. "Because satellite technology has the ability to reach the entire country," he said, "it holds tremendous potential as an effective Internet solution for many parts of the nation, especially rural and remote areas, at affordable rates."

When it issued its BPL Notice of Inquiry (NOI), ET Docket 03-104 <<http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-03-100A1.doc>>, last April, the FCC suggested that BPL technology would be one way to provide broadband service to rural dwellers. Some technology experts suggest that, because of the equipment needed to deliver BPL broadband to rural customers, BPL would not be cost-effective for such residents. In a bit of unintended irony, Powell's speech, "The Age of Personal Communications," bore the subtitle "Power to the People."

Since BPL applies high-frequency RF to parts of the power grid, one aspect of the NOI was to gather information on potential interference to authorized spectrum users. To date, the NOI has attracted nearly 5150 comments, many from the amateur community.

The FCC has indicated that providers of BPL equipment "are free to continue to deploy their networks in conformance with existing Part 15 rules." BPL providers already are setting up BPL systems in several communities.

NTIA Acting Assistant Secretary for Communications and Information Michael D. Gallagher recently told a gathering of the Power Line Communications Association <<http://www.plca.net/>> that the risk of interference to government or other spectrum users provides an incentive to BPL operators to "design and operate their systems to avoid such interference." He said the NTIA has been studying interference risks and the potential "for making risks more tolerable." He said the objective is "to accommodate BPL with acceptable risk." The ARRL anticipates completing an independent BPL engineering evaluation early this year. The study will explore how BPL might affect HF and low-VHF amateur operation as well as how Amateur Radio operation could affect BPL systems.

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/>>.

Austrian Authorities Pull Plug on BPL Pilot Project

The Austrian Amateur Transmitter Federation (ÖVSV--Österreichischer Versuchssenderverband) <<http://www.oevsv.at/index.shtml>> reports that a Broadband over Power Line (BPL) field test in the city of Linz has been cut short as a result of excessive radio interference. ÖVSV, Austria's International Amateur Radio Union (IARU) <<http://www.iaru.org/>> member-society, said in December that the Government Ministry for Commerce, Innovation and Technology closed down Linz Power Company's BPL pilot project because it was generating interference on the HF bands. Shortwave broadcaster Radio Austria's futureZone service <<http://futurezone.orf.at/>> says the case that brought the issue to a head was a Red Cross report that emergency services radio traffic during a disaster response drill last May was the victim of massive BPL interference.

"The Commerce Ministry Order not only means the end of the Linz BPL pilot project," the Radio Austria report said, "but the end of the deployment of this technology in Austria, especially given the interference to radio communication in places of business." According to the broadcaster, measurements were said to have indicated that radiation from the BPL system exceeded permissible field strength levels by a factor of 10,000. ÖVSV says radio amateurs in Austria have opposed deployment of all BPL experiments as neither legal nor compatible with "vital, worldwide shortwave radio communication." Among other problems with BPL, ÖVSV has cited its potential to disrupt emergency communications and safety-of-life services as well as military operations on HF and navigation and aeronautical communication.

Last fall, ÖVSV representatives and Linz amateurs got together with power company representatives in an effort to resolve BPL's incompatibility with HF radio operation. The meetings followed news reports of interference to emergency service communications and QRM complaints from several area hams. "Because of the racket, expensive installations, such as a 20-meter monobander on a high-rise building, become totally worthless," ÖVSV said. The utility agreed to look into the possibility of a 100-meter protective zone around each amateur's location, notch filters for amateur frequencies, network system filters and the use of 5 GHz wireless local area networks.

Web Program Available to Create Cabrillo Format Logs

The ARRL Contest Branch has announced that a Web-based "applet" program <<http://www.b4h.net/cabforms/>> now is available that can create and e-mail contest logs in the Cabrillo file format ARRL requires for contest entries. "Thanks to Bruce Horn, WA7BNM, and the support of several other amateurs, it is now possible for all contest participants to create Cabrillo-format logs on the Web," said ARRL Contest Branch Manager Dan Henderson, N1ND. "These will allow participants who log on paper or whose logging software will not generate a Cabrillo file to create an electronic log to submit to the League."

The first ARRL contest for which the Web applet is available is the recent 2004 RTTY Roundup <<http://www.arrl.org/contests/rules/2004/rtty.html>>. Henderson says Horn is developing templates for additional ARRL contests, and these will also become available via links from Horn's Cabrillo Web Forms page. The Web routine first prompts users to provide the required information to create a Cabrillo file header. This includes basic information such as ARRL/RAC section, call sign used, call signs of operators for a multi-op entry, entry class, the operator's name and address and possibly other data. Where appropriate, drop-down boxes allow submitters to select the correct information.

A second screen allows users to input data for each QSO. Users may either manually keystroke the information for each contact or cut and paste it--band, date, time, call sign copied, received RST, received exchange--from another source. A space is necessary between each QSO data element, and each QSO belongs on a separate line.

Once QSO data have been entered, click on the "SUBMIT QSO INFO" button. The program checks for formatting errors, and, if everything is correct, will display the completed file. At that point, users can check their information one last time.Click the "SUBMIT CABRILLO LOG" button to e-mail the entry automatically to the correct address for the contest. This also will send a record copy of the Cabrillo-formatted log to the user.Applet-created logs will be processed just as all other log submissions are. If the contest robot finds problems, it will send the appropriate e-mail message to the submitter. If the log is okay, the robot will send a numbered receipt.

Users with questions about the Web applet routine should contact the ARRL Contest Branch via e-mail <contests@arrl.org>.

N2SS
FRC DX NEWS
Editor

FEBRUARY 19TH YEAR 2004

Notes From Your Editor

Band plan charts. I found the charts at the below website of interest and thought you might, as well. Go to: www.yankeecruisah.com/w1cgs/hfband.html and click on "Color".

UNDISPUTED KING OF WARC

It has been quite a battle between Jack, K2FL and Tony, N2TK at the top of the WARC Band Honor Roll listings. This month we can congratulate **Jack, K2FL** on his achievement as the KING OF WARC

DXCC RULE CHANGE

Board resolves to amend the DXCC rules by deleting IARU membership as a basis for determining a "political entity."

At its January meeting, the ARRL Board of Directors removed paragraph 1.c) ("The entity has a separate IARU member-society") from the DXCC Rules criteria for determining a DXCC entity. This provision, implemented in 1998 as part of the DXCC 2000 Program, had provided that "An entity will be added to the DXCC List as a political entity if it [...] has a separate IARU member-society."

Since then, the rule has allowed for the addition of four new DXCC entities and the retention of one existing entity. Unfortunately, the provision also had the unintended consequence of stimulating applications for IARU membership that do not further the objectives of the IARU, creating an unfortunate and unnecessary administrative burden.

The rule change will have no effect on entities created by or as the result of the rule. According to DXCC Rule II, 5. C), "A change in the DXCC criteria shall not affect the status of any entity on the DXCC List at the time of the change." The other two criteria for the determination of a political entity for DXCC continue in effect: 1.a) "The entity is a UN member-state." and 1.b) "The entity (except international organizations) has been assigned a call sign prefix block by the ITU."

CURRENT OFFICIAL ARRL DXCC STATISTICS

Active Count	335
Deleted Count	58
Last Addition	VP6/D
Last Deletion	STØ

4S – SRI LANKA

Frank DJ3FK, Rudi DK7PE, Bernd DK7TF and Karl DL4FP will be in Sri Lanka from March 3rd to 8th operating all bands SSB and CW. They also plan to try operating 160 Meters, as well.

V8 – BRUNEI

Jim G3RTE, Phil G3SWH and Ray HS0ZDZ/G3NOM will be operating from the QTH of V85GD from March 8th to 15th. They will be signing as **V8JIM** and during the RSGB's Commonwealth Contest use the call **V8NOM**. Activity is planned for all bands from 160 through 10 Meter and will include CW, SSB and digital modes. Plans are to have three stations on the air each day for as many hours possible. QSL V8JIM via G3SWH and V8NOM via GM4FDM.

VK9L – LORD HOWE ISLAND

DL7AFS and DJ7ZG will be signing as **VK9LB** from February 16th to 27th. Operation will be 80 thru 6 Meters on SSB, RTTY and PSK31; QSL via DL7AFS. For latest info: www.qsl.net/dl7afs/Index_VK9.html

VK9N – NORFOLK ISLAND

From February 29th to March 13th DL7AFS and DJ7ZG will be on Norfolk signing **VK9NB**. See previous for details.

XU – CAMBODIA

Look for NO2R signing as **XU7ACY** from February 2nd to 9th from Sihanoukville. This will be a low band operations on 160, 80 and 40 Meters. QSL to K2NJ.

ZK3 – TOKELAUS

I2MOV, I2YSB, IK1AOD and IK2DIA will be putting on an all band SSB and CW Dxpedition from ZK3 on February 13th to 25th. QSL to M5AAV for bureau cards. For direct QSLs, mail to I2YSB at:

Silvano Borsa
Viale Capettini 1
27036 Mortara ITALY

For the latest info on the DXpedition and for log checks once the operation starts visit their web page at: www.qsl.net/i2ysb/zk3/index.htm

DX ALERT LEGEND

- 160 METER ALERT
- IOTA ALERT
- RTTY ALERT
- WARC BAND ALERT

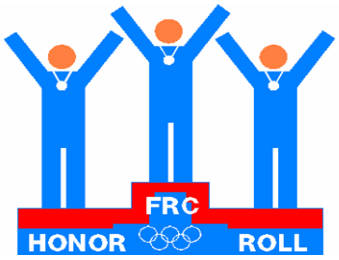
"S"pecial "S"alute

Have you made your contribution yet? Contribute to your Newsletter and get the "$" "$".

©

73, Tony N2SS

You can reach me as follows:
H:856-227-4896 C:609-221-4899
n2ss@n2ss.com
argargano@comcast.net



FEBRUARY conducted by N2SS 2004

WARC BANDS

30 Meters		17 Meters		12 Meters	
K2FL	**329**	**K2FL**	**334**	**K2FL**	**326**
N2TK	324	N2TK	331	N2TK	325
N2LT	309	N2LT	329	N2LT	316
W3BGN	303	W3CF	329	W3BGN	308
K2RW	290	W3BGN	322	N2SS	298
W8FJ	286	K2RW	320	K2RW	296
W2YC	283	N2SS	318	W3CF	282
N2SS	276	K2PS	294	W2YC	270
K2PS	275	WA2VYA	292	K2PS	265
WA2VYA	267	W2YC	292	W3SOH	265
W3SOH	223	W8FJ	290	WA2VYA	261
K3II	222	W3SOH	266	WT3W	258
W2UP	212	WT3W	264	KS3F	232
W2LE	205	N1RK	253	N1RK	230
N3RD	184	W2UP	249	W8FJ	226
KS3F	178	K3II	234	W2UP	223
K2BU	175	W3OV	234	K3II	200
AA2WN	164	KQ3F	232	KQ3F	199
WT3W	162	KS3F	215	W2YR	186
NZ3O	150	NZ3O	214	N3KN	176
W3OV	150	W2LE	196	NZ3O	167
KQ3F	141	W2YR	194	K2NJ	162
W2YR	130	K2JF	168	W2LE	161
AB2E	115	N3KN	147	W3OV	160
K2JF	112	K2NJ	145	K2JF	135
K2NJ	97	K3ND	110	AB2E	85
N3KN	85	AA2WN	102	K3PP	53
N1RK	71	N2VW	65	K3GYS	30
N2VW	71	AB2E	85	N2VW	27
K3PP	68	K3GYS	83	AA2WN	19
W3CF	55	K3PP	60	K2WJ	17
K2WJ	28	K2WJ	40	KB3FEE	3
K3GYS	8				
KB3FEE	1				

Congratulations to K2FL on being the undisputed **KING OF WARC**

Rules for FRC Honor Roll Listings. Provide me with your total IOTAs worked, or countries (including deleted) worked for: WARC Bands, 160 Meters, Digital modes, Mobile, 6 Meters or your total for 80,40,20, 15 and 10 for 1.5K Club. Countries do not count until HQ Awards Committee takes action and announces a start date for a new country.

160 Meters

W3BGN	**289**	KS3F	129
AA1K	282	WT3W	127
K2BU	260	K2PS	102
WT3Q	250	K2RW	92
N2LT	239	W2YR	80
N2TK	239	N2SS	78
K3NW	228	N2VW	77
K3SX	223	W3CF	77
W8FJ	195	K3NL	70
NO2R	181	K2NJ	59
W2UP	180	K3PP	59
K3JJG	178	N1RK	41
K3NZ	171	KQ3F	41
W3OV	163	KB3FEE	38
W2YC	161	K2JF	34
N3RS	156	W2LE	27
K3II	148	AA2WN	25
K3NM	146	NZ3O	13
WA2VYA	144	K3GYS	12
K2FL	140	W3SOH	12
K3ND	133	K2WJ	3

W3BGN continues as the undisputed Top of Top Band.

RTTY Digital

W2UP	**335**	W2YR	122
N2LT	326	K2JF	113
K2PS	275	W2LE	81
W3SB	268	N2SS	51
K2RW	231	WA2VYA	50
K2NJ	221	N1RK	42
W2YC	221	N2MR	28
N3KN	165	KQ3F	23
AA2WN	162	K3GYS	15
WT3W	155	K2WJ	12
K3PP	123	W8FJ	12

MOBILE DX

W2YC	**276**	AA2WN	131
AA1K	264	WT3Q	107
N2SS	234	KB3FEE	48
N2MR	196	K3PP	46
K2JF	150	W2YR	21
K3GYS	143		

1.5K Club

K2FL	**1706**	W3CF	1403
W3BGN	**1694**	WT3W	1395
N2TK	**1685**	K2NJ	1383
N2LT	**1658**	W3SOH	1378
W2UP	**1655**	K2JF	1350
K2RW	**1591**	AA2WN	1295
W8FJ	**1588**	N1RK	1278
N3RS	**1569**	N2VW	1258
K2BU	**1550**	K3CT	1177
W2YC	**1522**	WT3Q	1162
N2SS	**1510**	K2WJ	1161
K2PS	**1509**	W2YR	1138
NO2R	1494	W3SB	1132
K3ND	1488	W2LE	1115
N3RD	1477	K3PP	1110
WA2VYA	1435	K3NM	1107
KQ3F	1412	NZ3O	1069
KS3F	1407	N3KN	1065
		KB3FEE	231

Islands On The Air

K2FL	**971**	N2VW	259
N2SS	778	W3CF	253
W3SOH	762	W2YR	230
W8FJ	573	K2WJ	223
W2YC	565	WT3W	218
N1RK	531	K3GYS	193
KS3F	319	KB3FEE	23
NZ3O	259		

6 Meter DXCC

N2LT	**102**	K3OO	60
AA1K	97	N1RK	57
K2NJ	95	N2SS	55
K2JF	94	W2YR	41
K2PS	81	K3PP	30
WA2VYA	75	K2RW	36
WT3W	65	W2YC	16
N3KN	61		

THE FRANKFORD RADIO CLUB

NEWSLETTER

P. O. Box 431 Alburtis, PA 18011-0431

Affiliated Club

The Frankford Radio Club

Club Officers

President, **K3NM**, Joe Brue……..…….570-992-6890 Email: k3nm@ptd.net
Vice Pres, **W8FJ**, John Schrader ..…... 610-279-6097 Email: w8fj@aol.com
Secretary, **K3ZV**, John Lindmeier…….215-632-2919 Email: lindmeie@bellatlantic.net
Treasurer, **K2QM**, Dan Marlow……609-683-5633 Email: marlow@princeton.edu

Committee Chairman

Repeater, **K3NL**, Nick Leipold .....… 610-449-8910
Packet, **N3RD**, Dave Hawes .....…… 610-935-2684
Activities, **N3AD** ……610-519-7032
Awards, **K2QM**, Dan Marlow …...… 609-683-5633
Membership

Newsletter & Roster

Editor, **KQ3F**, Joe Stepansky .....… 717-657-9792 Email: kq3f@comcast.net
Printing, **K3ZV**, John Lindmeier ..…...856-768-5348

Repeater - 2 meters, 147.27/147.87 Output PL tone, 114.8
Home Page - www.gofrc.org

Meetings

Meetings are held on the 2nd Tuesday of each month (Sep through May) at 8 PM at the University of the Sciences, Philadelphia. Summer meetings are held at member homes (one Saturday/ Sunday per month).

Packet Cluster Contest/DX System

144.930 W3FRC
145.010 N3ED
145.650 K2TD
145.530 K3WW
145.530 AA1K
145.570 WT3Q
145.570 K2TW
145.590 N2NT
144.950 K3GYS
145.730 N2BIM
147.495 W3MM
145.670 W3PP
TBA W2JT

Telnet DX Cluster

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w3frc.gofrc.org