THE FRANKFORD RADIO CLUB
NEWSLETTER
PROFICIENCY THROUGH COMPETITION

FRC Since 1927

CALENDAR

December 2005:

2-4	**ARRL 160 Meter Contest**
10	**FRC Main Meeting, KofP 11AM**
10-11	ARRL 10 Meter Contest
13	**Rexy Meeting B**
15	**T.I.T.S. Meeting, Noon**
27	**Rexy Holiday Meeting B**
28	**FRC Pizza Bash**

January 2006:

7-8	ARRL RTTY Roundup
10	**FRC Main Meeting, Phila**
10	**Rexy Meeting B**
14-15	North Amer. QSO Party, CW
19	**T.I.T.S. Meeting, Noon**
21-22	North Amer. QSO Party, SSB
24	**Rexy Meeting B**
28-29	CQ 160 Meter Contest, CW

February 2006:

4-5	Delaware QSO Party
4	North American Sprint, SSB
11	North American Sprint, CW
14	**FRC Main Meeting, Phila**
14	**Rexy Meeting B**
16	**T.I.T.S. Meeting, Noon**
18-19	**ARRL DX Test, CW**
25-26	CQ 160 Meter Contest, SSB
28	**Rexy Meeting B**

CHANGES

Address

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Deadline for January issue:

Thursday, December 29, 2005

President's Column

I am writing this prior to the CQWW CW so I don't know what conditions were like or how the club score came out. But, I know the club put in its usual fine effort. We look pretty good after the phone weekend. Let's hope our efforts for CW put us over the top again.

I want to thank all those who took the time and expense to go out and put a DX location on. Those efforts really help the club score. I also want to thank all those who got on and made points for the club. Your work is greatly appreciated.

I am operating CW weekend from home for the first time in several years. I am trying to recover from a pinched nerve in my back so the work I wanted to do on the antennas here was cut short.

The December meeting will be at the firehouse in King of Prussia starting at 11:00. Barry, **W2UP** will talk about the CW competition he participated in last summer. We will also go over the CW scores and the club total for the contest. Hopefully, we will have word on how the YCCC did so we can see if we win again this year. I hope to see a lot of you there.

I want to pass along my family's best to everyone for a great holiday season.

73 - John - K3ZV

Holiday Greetings from the Newsletter Staff

Joe, KQ3F, Editor   Rick, W2RDS, Printer

MEETINGS

Main Meeting in King of Prussia

The main monthly meeting of the **Frankford Radio Club** will be held in **King of Prussia** on Saturday, December 10 at 11 AM. Location is the Firehouse at King of Prussia.

Program—Barry, W2UP discussing European High Speed CW Competition

T.I.T.S. meeting—The Trexlertown International Transmitting Society meets on Thursday, December 15 at 12:00 noon. Location is the Hometown Diner on Route 222 in Trexlertown..

Rexy Meeting B—The Rexy's **FRC** Meeting B meets about 8 PM on the second and fourth Tuesdays of each month.

FRC Pizza Bash— The bash will be at the Crossroads Hotel in Hellertown, PA at noon on Wednesday, December 28.

Rexy Holiday Meeting B

These holidays really come around fast! This year's holiday Meeting B is scheduled for Tuesday, December 27th at 7PM. If you would like to attend, I need your name, guest's name if you are bringing one, and dinner choices by December 23rd latest. Contact me at n2ss@n2ss.com or call home 856-227-4896, cell 609-221-4899 and let me know. Prices are the same as last year. I will collect monies the night of the dinner. Here are the details:

Place: Rexy's, Black Horse Pike, (Rt 168 below Walt Whitman Bridge)

Menu: Choice of Chicken Marsala, Baked Manicotti, Stuffed Flounder, Filet Mignon or Prime Rib

   Incl: Soup or salad, rolls and butter, coffee/tea and ice cream

Price: $21.50 for Chicken, Pasta or Flounder, $24.00 for Filet or Prime Rib (includes tax & gratuity)

Drinks: Cash bar on your own

Join us! It's always a great evening.

ARRL Sweepstakes CW FRC Claimed Scores

Station	QSOs	Sect	Score	Class	Station	QSOs	Sect	Score	Class
W3AP	37	24	1,702	SOL	**AA3B**	1,074	80	171,840	SOH
K3CT	300	76	45,600		**AA2U**	242	69	33,396	SOQ
W2GD	1,110	80	177,600	MS	**K3WW**	801	80	128,160	SOU
	Ops. W2GD NO2R K2TW				**W8FJ**	800	80	128,000	SOU
N2NT	1,282	80	205,120	SOH	**W2YC**	552	79	87,216	SOU
	Op. N2NC				**NA2U**	137	79	21,646	SOU
W2RQ	1,140	80	182,400	SOH	**AB2E**	515	80	82,400	SOULP

Station	QSOs	Zones	Cntrys	Class	Score
AA1K	2,776	132	444	A	4,450,752
AA3B	1,427	117	436	AA	2,217,530
AB2E				AA	306,768
J7DM	5,799	112	373	MS	6,750,230

Ops AD4J K2DM K3ZM W4GKA

Station	QSOs	Zones	Cntrys	Class	Score
K2NG	2,145	150	548	AA	4,230,578
K2QPN				AA	162,306
K2SB	492	65	231	AA	410,552
K2UT				AA	225,000
K3ATO				AA	160,716
K3II	2,051	133	468	MM	3,465,366

Ops K3II K3CT K3IPK

Station	QSOs	Zones	Cntrys	Class	Score
K3LR				MM	17,534,454

Ops K3LR K3UA K5GO K8GL N2NC
N2NT N3GJ N3SD N5DX N9RV
VE2DWA W2RQ W8JV W9ZRX

Station	QSOs	Zones	Cntrys	Class	Score
K3MD	1,165	104	371	AA	1,548,025
K3OOO	2,001	133	473	MS	3,284,520

Ops K3OOO K3OO W7TDC

Station	QSOs	Zones	Cntrys	Class	Score
K3WW	1,885	133	520	AA	3,469,389
KC1XX	6,813	173	665	MM	15,700,000

Ops KC1XX K1DG K1EA K1GQ K1JX
K6AW KF3B NN1N W1FV WA1Z

Station	QSOs	Zones	Cntrys	Class	Score
KD3TB/VE2				M2	2,236,125

Ops K3FMQ KD3RF KD3TB

Station	QSOs	Zones	Cntrys	Class	Score
KG2MY				AA	312,390
KQ3F	1,551	117	401	AA	2,260,034
N1RK				AA	825,520
N2LT				A	2,548,824
N2MR				A	356,000
N2RM	1,540	98	326	A	1,871,536
N2VM				A	6,016
N3AD	3,851	155	547	MM	7,365,384

Ops N3AD K3ZV KD2HE N3DXX
N3NR W3CF

Station	QSOs	Zones	Cntrys	Class	Score
N3BNA				MS	821,008

Ops N3BNA WT3Q

Station	QSOs	Zones	Cntrys	Class	Score
N3KN	322	54	184	AA	209,678
N3KR	423	63	200	A	298,000
N3MX				AA	1,175,880
N3ONM				A	246,784
N3RS	5,265	158	604	M2	11,311,890

Ops N3RS K9RS N2SR N3NA N3RD
W8FJ WA3LRO

Station	QSOs	Zones	Cntrys	Class	Score
N3RW				A	196,272
N3ZA	953	115	415	AA	1,405,560
NA2U	1,304	116	403	AA	1,911,996
NE3F				MS	3,339,308

Ops NE3F K3ATO N3OW NT3V

Station	QSOs	Zones	Cntrys	Class	Score
NJ2BB				LA	174,724

Op W2OF

Station	QSOs	Zones	Cntrys	Class	Score
NN3Q	1,579	120	414	AA	2,424,894
NO2R	1,120	119	437	AA	1,901,520
NY3C				AA	525,162
P40W				A	10,414,404

Op W2GD

Station	QSOs	Zones	Cntrys	Class	Score
V47KP	3,693	85	237	A	2,508,380

Op K3NM

Station	QSOs	Zones	Cntrys	Class	Score
VP5T	5,443	112	354	MM	5,693,588

Ops N2VW WA2VYA

Station	QSOs	Zones	Cntrys	Class	Score
W1GD	1,230	115	428	AA	1,851,087
W2CG	683	256	71	AA	638,631
W2LE	925	78	303	A	1,000,125
W2RD				AA	1,002,122
W2TV				AA	502,365
W2UP	606	82	239	AA	533,823
W2YC				MS	1,600,092

Ops W2YC AA2WN

Station	QSOs	Zones	Cntrys	Class	Score
W2YR				AA	734,660
W3AP	221	45	119	A	96,432
W3BG				AA	780,735
W3BGN				A	3,459,880
W3CC				AA	1,161,632
W3FVT				A	302,940
W3GK				AA	669,294
W3GM	928	110	367	AA	1,242,585

Op K3ND

Station	QSOs	Zones	Cntrys	Class	Score
W3IZ	702	62	275	A	546,975
W3MF				MS	2,542,512

Ops W3MF K3PH

Station	QSOs	Zones	Cntrys	Class	Score
W3PP	3,444	155	538	MM	6,415,101

Ops W3PP KW3Z N3ME N4BAA N6ZO
NW3Y WB4FDT WV8RS

Station	QSOs	Zones	Cntrys	Class	Score
W6XR	486	75	252	AA	436,872
W8FJ				AA	225,000
WA3RHW				LA	367,380
WE3C	3,767	159	582	M2	7,653,048

Ops WE3C KQ3V N3FTI NM3E

Station	QSOs	Zones	Cntrys	Class	Score
WP2Z	8,383	139	465	MM	11,619,752

Ops K2TW N2TK W3FV

Only the a portion of multiop scores, based on the percentage of **FRC** members at the operation count for the club. Full scores are reported above.

The Loop Trick
by Jon Zaimes, AA1K

I've worked on hundreds of towers over the past 40 years, and the installation or removal of a tall mast with a gin pole has always been the trickiest job. The mast may be the heaviest thing you'll have to haul to the top of the tower.

It's a delicate balancing act to lift a 20-foot or taller mast with a gin pole that may only extend 10 feet above the tower. With the haul rope attached very close to the midpoint of the mast – or in some cases well below it – so the mast can clear the tower and be inserted into it, the top of the mast will, with the help of gravity, want to flip to the bottom. Sometimes the mast can be inserted while the tower is being constructed – down at the 20-foot level. That may take some of the fear factor out of the project, but the physics remain the same there or at 100 feet.

In a recent discussion on packet, Steve Sussman, W3BGN, gave me an idea for simplifying the handling of a tall mast – and making the whole project a whole lot safer – that he has used for years. The technique is to create a small loop at the top of the gin pole to accept the tip of the mast as it is hauled to the top of the tower. Steve said he usually made his loop out of scraps of aluminum beam elements, with the ends flattened and bolted together.

I made mine out of a spare beam boom-to-mast plate, with a scrap of heavy 3/8" guy wire going through the holes in the plate and bent back to form a loop about 6 inches in diameter (see photo). With its U-bolts, the plate was attached just below the pulley at the tip of the gin pole.

The mast we were installing was 20 feet long, weighing about 100 pounds. The haul rope was attached about 8 feet from the bottom of the mast. I had a muffler clamp there for some extra insurance to make sure the rope wouldn't slip.

I then used several short pieces of rope to wrap around the mast to secure the haul line to it at about 12 feet, 15 feet and 19 feet from the bottom (Steve said he would just use tape for these). Having the rope secured all along the mast assures the mast will be kept vertical as it is hauled up.

My son Adam, KB3FEE, was the ground man on this project, driving my Jeep to pull the haul line as we raised the mast. The rope from the gin pole came straight down the tower, then a pulley changed the direction so it was a straight-out pull for the Jeep. We used 2-meter HTs and hand signals for communication. I climbed the tower as Adam pulled the mast up, making sure I was at each guy-wire attachment point so the mast didn't hit the insulators there.

When the mast reached the top of the tower, I removed the uppermost tie-rope and had Adam continue raising the mast, then took off the next tie-rope. Then I guided the tip of the mast into the loop on the gin pole. As Adam raised the mast a bit higher, we had at least 2 feet of mast into the loop, and I removed the next tie-rope.

The mast was now supported simply by the haul rope attached at 8 feet from the bottom – and the wire loop at the tip of the gin pole. This neatly kept the mast vertical, without any hazard of tipping over.

The Loop Trick (continued)

Next Adam slowly hauled the mast up so it would clear the top of the tower. I had left the top-plate of the tower off to allow a wider orifice to insert the mast. Once the mast was lowered down into the tower, down into the hole in the rotor plate, I secured it so the haul rope could be removed. I had a come-along attached to the mast to use for raising and lowering it if necessary.

The haul rope was removed from the mast, and used to bring the top plate of the Rohn 55 up to the top of the tower. The TB3 bearing has already been installed in the top plate.

Oops, we discover the homemade gin pole isn't far enough out from the tower to clear the top plate, so I temporarily set the top plate on one leg of the tower while I lowered the gin pole, then finished installation of the top plate. Then we used the haul line to raise the rotor, a Tailtwister, and temporarily attached it to the side of tower at the rotor plate.

Next I reattached the haul line to the mast, and Adam slowly raised the mast as I guided it into the TB3 bearing. I then moved down to the rotor plate and slipped the rotor into the tower beneath the mast, lined up the holes in the bottom of the rotor plate and loosely inserted the bolts. Next, the mast was lowered into the rotor and the mast clamp was bolted down with the U-bolts. I do not use the through-bolt to "pin" the mast to the rotor, letting this be the weak point so in an extremely high wind the mast will slip rather than break the rotor.

Then I tightened down the bolts in the bottom of the rotor to the rotor plate.

Next I climbed back to the top and tightened the three bolts in the TB3 bearing onto the mast. These each have a "keeper" nut to lock them in place.

The mast installation was complete.

7 tips for safer tower climbing

1) Never, ever climb without being 100 percent connected at all times. Use a second lanyard or carabiners to remain connected to the tower while moving around guy wires and beams.

2) Use a safety harness rather than a climbing belt. Your survival rate should you have a problem is much longer in a harness.

3) Wear a safety helmet with chin strap.

4) Shut off all RF and power going to the tower before climbing. Having 110 volts AC going through your body is no fun.

5) Do a safety inspection from the ground before each climb. Check the guy wires, the tower base and look above for any problems.

6) Take a notepad and pen on each climb. Make notes of any problems that need attention.

7) Have a helper on the ground if at all possible. If you must climb alone, take a cell phone or HT to call for help in an emergency. Let someone know you are going to climb.

CONTESTING — TIPS, TECHNIQUES, RESOURCE

Thanks to Blair, **K3YD**, for the following:

LogView is now online:<http://www.mapability.com/ei8ic/logview/>

LogView is a post-contest log-visualization tool, for analyzing contest performance. It plots the QSOs in a Cabrillo-format contest-log on to one of 8 different maps by finding the position of each QSO from an online database of about 970,000 W/VE callsigns.

You can step through the log manually, or animate the contest at a range of speeds and watch QSOs build up in the order that you made them. You can annotate each spot with a callsign-label, keep a running count of Multipliers worked, display all or selected bands, compare your QSOs with published contest results, highlight gaps in your antenna coverage, search the log and spotlight results on the map, see position, distance, and bearing information for each QSO, save the map for offline viewing and analysis.

The following contests are supported by LogView: ARRL-10 ARRL-160 ARRL-DX-CW ARRL-DX-SSB ARRL-RTTY ARRL-SS-CW ARRL-SS-SSB ARRL-VHF-JAN ARRL-VHF-JUN ARRL-VHF-SEP ARRL-UHF-AUG CQ-160-CW CQ-160-SSB CQ-WPX-CW CQ-WPX-RTTY CQ-WPX-SSB CQ-VHF CQ-WW-CW CQ-WW-RTTY CQ-WW-SSB IARU-HF NAQP-CW NAQP-RTTY NAQP-SSB RSGB-IOTA STEW-PERRY TARA-RTTY

Try it out now with your latest Sweepstakes log !! LogView also has a separate, dedicated Results-Viewer, that lets you create a map of the published contest results, and compare them to the results of other contests. See the 'Results' page for further details. There are currently 66 post-2001 contests that you can look at...

Reprinted with permission from the November 16, 2005 Contest Rate Sheet

Fans of the wonderful things programmers are doing with on-line mapping will enjoy the ham location application at <http://www.perconcorp.com/google_ham.html>. Apparently, the database used is a little dated, but the idea is fresh - enter a zip code and find out where the hams are in your area! (Thanks, Dick N6AA and Bob N6TV)

Those of you that like shortwave listening and scanning might want to check out a couple of magazines from the UK - SWM ShortWaveMagazine and radioACTIVE. (<http://www.pwpublishing.ltd.uk/>) I enjoy reading both for the perspective from "across the pond" and for good reviews of radios, antennas, and software. PW Publishing is also home for Practical Wireless, a popular UK amateur magazine. I really enjoy thumbing through radio magazines from around the globe - it's a great way to spend some club dues so that the members can share the expense.

Reservations are now open for the Headquarters Hotel for WRTC 2006. Go to the WRTC-2006 page <http://www.wrtc2006.com/> and click the "Costao do Santinho" banner for reservations. You also can go directly to the reservation Web address at <http://www.costao.com.br/versoes/ingles/reservas/reservas.php>. The rates are US $85 per person per day including 3 (three) meals, breakfast, lunch and dinner. In the window "package" you should choose your preferred option. As in past events, there will be a special package for the referees and teams.

In order to keep applicants and the contest community aware of the status of submitted applications an applications-received list is available on the WRTC-2006 home page, <http://www.wrtc2006.com/> or directly from PY2YP's Web site at <http://www.py2yp.ws/wrtcapp.htm>.

The WRTC-2006 committee has also released a Contest Results Checking System for all contests allowed for WRTC-2006 applications. It is not a automated submission Web page, only a score listing database with some special filters. The committee kindly asks the competitors to navigate through the tool and to submit any suggestions to the Web page's author SM0CXU at thomascarl@gmail.com or PY2YP at py2yp@py2yp.ws. On the WRTC-2006 home page <http://www.wrtc2006.com/> click on the banner "Contest Results Checking System". Ben DL6FBL reports that if Internet Explorer has trouble with the Web page or the application, try logging directly into the actual host location, <http://www.ictecsolutions.com.br/wrtc2006>.

CONTESTING — TIPS, TECHNIQUES, RESOURCE

Here's a Web site about an important shack accessory that foils the bad guys who might want to access your personal information. Be sure to check out the references as well, at <http://people.csail.mit.edu/rahimi/helmet>.

A few years ago, WE6W published some interested designs for resonant speakers that act as narrow CW filters. These designs are now on the Web at <http://www.io.com/~n5fc/res_spkr.htm> and <http://www.qsl.net/n5iw/RESONANT.htm>. Additional information and design notes are available in the QRP-L archives (<http://www.kkn.net/archives/html/QRP-L>) between 7 and 9 May 2000. (Thanks, Jim AL7FS)

One of my favorite catalogs to thumb through in amazement is that of Small Parts, Inc. (<http://www.smallparts.com/>) They have an astounding collection of mechanical doo-dads and gadgets. There is no minimum order and same day shipping is available causing techie tinkerers to think tantalizing thoughts! (Thanks, Garey K4OAH)

Ah - my favorite category of tip - "How to Do Hard Things Without Hurting Yourself". This time the subject is pulling ground rods out of the, um, ground. Roger K8RI says to start by using a pair of pipe wrenches to form a "T-handle" and try the "armstrong" method to twist and pull the rod out manually. If the rod still can't be pulled out by hand, put a jack (with suitable support) under each wrench handle. (This requires substantial wrenches.) The jack must be placed far enough out on the handles so the pressure will cause the wrenches to grip tighter. Pat K8PC suggests using a brass ground rod clamp on the rod. A car jack hooked to the clamp can then be used to pull the rod out of the ground.

Bill W4ZV provided the URL for a summary of the "slinky" coiled Beverage written by its inventor, Carl KM1H. These might be worth a try if you don't have space for a regular Beverage.

<http://lists.contesting.com/archives/html/Topband/1997-07/msg00150.html>

K5KA's CBS program analyzes Cabrillo format logs and outputs a text file of the analysis results. Download CBS from <http://www.kkn.net/~k5tr/software/Cbs.exe>. When you run CBS, you're asked for the input file name (include the .LOG suffix), and the output file - a new file to hold the analysis data. You can then look at or print the data using Notepad or any editor. (Thanks, Bob N6TV and George K5TR)

Reprinted with permission from the November 2, 2005 Contest Rate Sheet

Bruce WA7BNM reports, "The aggregate real time scores Web page WA7BNM posted during CQWW SSB was implemented by extracting scoring info posted by each of three contestants (N2IC, K1TTT, W9WI) who provided periodically updated scores during the contest Although this worked on a small scale, a standardized means of providing real time scoringinfo is needed. As a proposed solution, I've drafted an XML Document Type Definition (DTD) for periodically reporting contest results during a contest. Links to the DTD and example XML files can be found at <http://www.hornucopia.com/xml4contestresults.html> This would be the foundation for an interface through which real time contest scoring data could be exchanged between a competitor and a master data base or even between competitors. Just as the Cabrillo format took a big step towards automating log processing, a standard interface will enable logging software authors to design and build in new features. Bruce welcomes comments and suggestions at bhorn@hornucopia.com.

Dave G4GED reports that interference TO his DSL modem from his 160-meter operation was a consequence of the rest of the house phone wiring picking up the signal. (I have a similar problem on 80-meters.) He was able to reroute the phone wiring so that it runs from his service box to the DSL modem to the rest of the house. He then wound about 5-meters of phone line on a large ferrite toroid and that keeps the common-mode RF from getting to the DSL modem.

Cables, connectors, and adapters are literally everywhere in the ham shack. To that end, you may want to check out Wired Communications (http://www.wiredco.com - "We'll Get You Wired..." <http://www.wiredco.com - >).

NEWS FROM THE ARRL

Winners announced in contested Atlantic Division ARRL Director, Vice Director races

Current Atlantic Division Vice Director William C. "Bill" Edgar, N3LLR, of Bradford, Pennsylvania, will be moving into the Director's spot. He overcame a challenge from ARRL Western New York Section Manager Scott J. Bauer, W2LC, by a vote of 2,404 to 1,527. Edgar takes over from Bernie Fuller, N3EFN, who did not seek reelection.

Elected to succeed Edgar as Vice Director was Maryland-DC Section Manager Thomas J. "Tom" Abernethy, W3TOM, who outpolled Thomas G. Valosin, WB2KLD, 2,335 to 1,579. Abernethy and Edgar ran a joint campaign for their respective positions and had Fuller's endorsement.

Delaware to get new Section Manager

In Delaware, Frank T. Filipkowski Jr, AD3M, of Wilmington, was the only nominee to succeed Randall Carlson, WB0JJX, who decided not to run for another term. Carlson has served in the Section's top leadership post since December 1992. A native of Delaware, Filipkowski has been licensed since 1968. Trained in all three levels of the ARRL Amateur Radio Emergency Communications Course, he's an ARES and National Weather Service SKYWARN volunteer.

ARRL Files Regulation-by-Bandwidth Petition with FCC

The ARRL has formally asked the FCC to adopt the League's plan to segment the Amateur Radio bands solely by emission bandwidth rather than by mode. The Petition for Rule Making, filed November 14, recommends what the ARRL called "a shift in regulatory philosophy" that would encourage and facilitate the development and refinement of digital techniques and advanced technologies. At the same time, the League said, accommodating new technologies would not come at the expense of current operating modes, including double-sideband AM phone.

"This petition seeks for the Amateur Radio Service the flexibility to experiment with new digital transmission methods and types to be developed in the future," the League's petition said, "while permitting present operating modes to continue to be used for as long as there are radio amateurs who wish to use them." The ARRL said the changes it suggests will also update the FCC's rules and eliminate the need for "cumbersome procedures" to determine whether a new digital mode is legal under Part 97.

The ARRL's regulation-by-bandwidth plan is far from a done deal. In order for it to be adopted, the FCC first must put the League's Petition for Rule Making on public notice and invite formal public comments. A subsequent Notice of Proposed Rule Making would kick off a further round of formal comments. Ultimately, the FCC would have to issue a Report and Order putting the changes into place and setting an effective date.

The League conceded that its regulation-by-bandwidth regime would place increased responsibility on the amateur community to establish workable, accepted band plans, but it expressed confidence that such an effort would be successful.

The petition filed this week has been in the works for some time now. The ARRL Board of Directors adopted the petition's guiding principle in 2002 and invited comments from the Amateur Radio community in the summer of 2004. The proposal reflects expert input from the ARRL Ad Hoc HF Digital Committee as well as from ARRL staff. Comments from League members and an ARRL Executive Committee review led to further fine tuning.

The ARRL wants the FCC to replace the table at §97.305(c) with a new one that segment bands by bandwidths ranging from 200 Hz to 100 kHz. Unaffected by the ARRL's recommendations, if they're adopted, would be 160 and 60 meters. Subbands in other bands below 29 MHz would accommodate maximum emission bandwidths of 200, 500 or 3.5 kHz, with an exception of 9 kHz for AM phone.

NEWS FROM THE ARRL

The League's petition "seeks to facilitate and encourage the development, refinement and use of new digital technologies without the regulatory remnants developed at a time when the principal emissions used in the Amateur Radio Service were Morse telegraphy and single- or double-sideband amplitude-modulated telephony." Part 97 rules need to permit higher data rates between 1.8 and 450 MHz to encourage development of digital multimedia technology, "which has great promise for improving and fostering more effective emergency and disaster relief communications," the petition asserted. "This petition does not favor one mode at the expense of another," the ARRL concluded in urging FCC adoption. "It merely allows expansion of the repertoire of options that amateurs may pursue compatibly."

ARRL CEO David Sumner, K1ZZ, discussed the subject of regulating by bandwidth in three "It Seems to Us . . ." QST editorials: "Regulation by Bandwidth" in September 2004, "Narrowing the Bandwidth Issues" in April 2005 and "Self Regulation" in October 2005.

The text of the ARRL's Petition for Rule Making is on the ARRL Web site <

http://www.arrl.org/announce/regulatory/bandwidth/Bandwidth-Minute-64-Petit ion-FINAL.pdf .

FRC Annual Contribution Additional Listings

KB3TS, W2OX, N3RS, N2RM

Work Wanted:

Experienced tower climber immediately available to perform antenna and tower maintenance.

Install/repair/remove antennas, replace feedlines and cabling, rotator servicing, guy wire renewal, new tower installations (guyed and self-supporting), and tower removal.

Reasonable hourly rates and scheduling that meets your needs.

Contact: John Crovelli W2GD

w2gd@hotmail.com

(908) 996 3043 *NOTE: New EPA address and phone number by year's end.*

May everyone have a pleasant and happy holiday season.!

http://www.qsl.net/lz1jz

Notes From Your Editor

My best wishes for the Holiday Season to you and your family, and, for a healthy 2006. On Christmas morning when you come downstairs don't forget to look for that large, heavy gift wrapped box first: that will be your Icom 7800 or Yaesu 9000 from Santa!

Happy Holidays
(Photo taken in my backyard. N2SS)

! ANNOUNCEMENT !

HOLIDAY MEETING B REXY'S
This year's annual holiday Meeting B is scheduled for Tues, Dec 27th at 7PM. If you would like to attend, I need your name, guest's name if you are bringing one, and dinner choices by Dec 23rd. Contact me (see below) and let me know. I will collect the night of the dinner. As in past years I expect our President will designate this as an official FRC meeting.

Details:
Place: Rexy's, Black Horse Pike, (Rt 168 below WW Bridge)
Menu: Choice of Baked Manicotti, Chicken Marsala, Stuffed Flounder, Filet Mignon or Prime Rib
Incl: Soup or salad, rolls and butter, coffee/tea and ice cream
Price: $21.50 for manicotti, chicken or flounder.
$24.00 for Filet or Prime Rib. Price includes tax and tip and has not increased for a number of years now!
Drinks: Cash bar on your own.

POSTAGE INCREASE

The Postal Rate Commission has approved a 2 cent increase in First Class mail and a 1 cent increase in the Post Card rate effective January 1, 2006. At this writing the increase still has to be approved by the Postal Board of Governors but that is expected to be a 'rubber stamp'. So, if you are sending QSL cards out with SASE's in the next few weeks, it is probably a good idea to put 39 cents postage on the return envelope.

CURRENT OFFICIAL ARRL DXCC STATISTICS

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

5H – TANZANIA
Now thru December 18th DL7CM signing as **5H1CM** on all bands 160 thru 6 Meters on CW, SSB and RTTY. Part of the time operations will be from Zanzibar, IOTA AF032. QSL to Hans via his home call.

TR – GABON
F8EN will be on as **TR8CR** from December 12th to January 12th. Operation will be on 40, 20 and 10 Meters, mainly CW. Check 7005 and 14005 kHz CW and 14170 kHz SSB.

V5 – NAMIBIA
From December 11th-22nd IK1RAE will signing as **V5/IK1RAE**. Planned frequencies ± are: 7070, 14270, 18160, 21270, 24970 and 28470 kHz. QSL to home call direct or via the bureau.

ZA – ALBANIA
SP5EAQ signing as **ZA/SP5EAQ** now thru December 16th. (Remember when ZA was really rare?!) QSL via SP5EAQ's home call.

DX ALERT LEGEND
160 Meter Alert
IOTA Alert
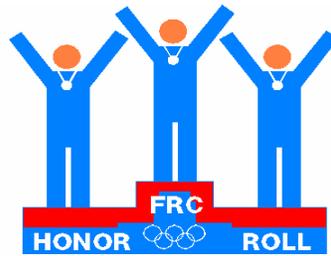RTTY Alert
WARC Band Alert

"S"pecial "S"alute
Have you made your contribution yet? Contribute to your Newsletter and get the "S" "S".
©

73, Tony N2SS

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

🌐 WARC BANDS 🌐

30 Meters	17 Meters	12 Meters
K2FL .. 332	**K2FL...335**	**N2TK ..328**
N2TK 328	**N2TK ..335**	K2FL........ 326
N2LT 318	N2LT 332	N2LT 321
W3BGN 315	W3CF 331	W3BGN... 313
K2RW 296	W3BGN ... 327	W3CF 303
W2YC 296	K2RW...... 324	N2SS 302
N2SS 290	N2SS 320	K2RW 300
W8FJ........287	W2UP...... 304	W2YC...... 273
K2PS........284	K2PS 303	K2PS........ 268
W2UP 270	W2YC 300	W2UP 257
N3RD........251	W8FJ 291	W8FJ........ 228
N2MM 233	N2MM...... 268	N1RK 218
K3II..........229	N1RK 253	KQ3F 217
W2LE.......212	KQ3F....... 252	K3II.......... 202
KQ3F 195	K3II 240	N3KN 191
NZ3O 188	NZ3O 233	K2NJ........ 190
AA2WN....171	W2LE 202	NZ3O 188
W2RQ.......144	W2YR 202	W2YR...... 187
AB2E 128	K2NJ 179	N2MM 185
W2YR.......132	K2JF 168	W2LE 176
K3CT 126	N3KN 168	NA2U 154
N3KN........119	NA2U 162	K2JF 135
K2NJ........113	W2RQ 142	AB2E 92
K2JF..........112	K3ND 124	K3CT 76
NA2U........105	AA2WN ... 116	W2RQ....... 62
N1RK..........97	AB2E........ 108	K3GYS 30
K3ND..........85	K3CT.......... 91	N2VW........ 28
N2VW.........76	K3GYS....... 85	AA2WN..... 20
W3CF..........61	N2VW 67	W2CG.......... 1
K3GYS 17		

K2FL and N2TK still duking it out for that elusive, 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 293		K2PS 106
AA1K 287		K2RW 93
WT3Q...........254		AB2E 90
N2LT 248		N2VW............ 85
N2TK............245		W2CG............ 85
K3SX 229		W2YR 81
NO2R............218		N2SS 79
W8FJ 207		NA2U 78
W2UP 190		W3CF 77
K3JJG 190		K3NL 70
N2MM 182		K3CT 63
K3NZ.............172		K2NJ............. 59
W2YC...........171		KQ3F 57
K3NM...........156		NZ3O 55
N3RS 156		N1RK............ 42
K3II 149		AA2WN........ 36
K2FL 143		K2JF 34
K3ND 136		W2LE 28
W2RQ...........123		N3KN 28
....		K3GYS 12

W3BGN continues as the undisputed Top of Top Band.

⌨️ RTTY Digital

W2UP............337	W2YR 139
N1LT 332	KQ3F 132
K2PS.............287	K2JF............. 113
K2RW...........266	W2LE............ 85
W2YC...........242	N2SS 53
K2NJ.............235	N1RK 39
AA2WN........187	K3GYS 15
N3KN 179	W8FJ............. 12

🚗 MOBILE DX

W2YC 276	K3GYS 143
AA1K 270	AA2WN....... 131
N2SS.............234	W2YR 21
K2JF 150	

🏋️ 1.5K Club

K2FL...........1708	KQ3F..........1453
W3BGN 1696	K2NJ..........1406
N2TK 1688	W3CF 1403
N2LT.........1684	AA2WN......1369
W2UP 1665	K2JF 1350
W2RQ.......1623	NA2U 1335
K2RW........1610	W2CG.........1305
N3RS..........1603	N1RK.........1287
W8FJ 1593	N2VW 1270
K3II 1573	K3CT 1229
W2YC 1542	W2YR.........1148
N3RD 1530	W2LE 1141
NO2R.........1527	N3KN 1111
N2MM 1524	K3NM........1107
K2PS..........1521	NZ3O 1088
N2SS 1521	AB2E..........1164
K3ND.........1501	

🌴 IOTA Islands On The Air

K2FL............989	NZ3O............317
N2SS 822	N2VW 261
W2YC 604	W3CF 253
W8FJ 592	W2YR...........234
N1RK 540	K3GYS 215
....	AB2E............205

🌎 6 Meter DXCC

N2LT..........106	N2SS...............55
K2NJ............100	N3KN 52
K2PS............100	K2RW.............42
AA1K 99	W2YR.............41
K2JF 94	W2YC.............19
K3OO 77	AA2WN..........15
K3SX..............75	N2TK..............11
N1RK 57	K3GYS 10

THE FRANKFORD RADIO CLUB

NEWSLETTER

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

Affiliated Club

The Frankford Radio Club

Club Officers
President, **K3ZV**, John Lindmeier ….856-768-5348   Email: k3zv@hotmail.com
Vice Pres, **N3DXX**, Art Hitchens ..…..   Email: art19703@yahoo.com
Secretary, **W2RDS**, Rick Stoneking…. 609-265-0885   Email: w2rds@arrl.net
Treasurer, **KQ2M**, Bob Shohet………..203-270-8456   Email: kq2m@earthlink.net

Committee Chairman
Repeater, **K3NL**, Nick Leipold ....… 610-449-8910
Packet, **N3RD**, Dave Hawes .....….…. 610-935-2684
Activities, **N3AD**, Alan Donziger ……610-581-7032
Awards, **K2QM**, Dan Marlow …....… 609-683-5633
Membership

Newsletter & Roster
Editor, **KQ3F**, Joe Stepansky ....… 717-657-9792   Email: kq3f@comcast.net
Printing, **W2RDS**, Rick Stoneking….. 609-265-0885   Email: w2rds@arrl.net

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
144.930 W2JT
144.950 K3ZV
145.010 N3ED
145.530 K3WW
145.530 AA1K
145.570 WT3Q
145.570 K2TW
145.590 N2NT
145.650 K2TD
145.670 W3PP
145.730 N2BIM
147.495 W3MM

Telnet DX Cluster

k2ut.gofrc.org
k3ww.gofrc.org 7300
kf3b-2.gofrc.org 7300
w3frc.gofrc.org 7300