



THE FRANKFORD RADIO CLUB NEWSLETTER

PROFICIENCY THROUGH COMPETITION

CALENDAR

December 2007:

- 8-9 ARRL 10 Meter Contest
- 11 FRC Main Meeting, Phila.**
- 11 Rexy Meeting B**
- 20 T.I.T.S. Meeting, Noon**
- 26 FRC Pizza Blast**
- 27 Holiday Meeting B**

January 2008:

- 5-6 ARRL RTTY Roundup
- 8 FRC Main Meeting, Phila.**
- 8 Rexy Meeting B**
- 12-13 North Amer. QSO Party, CW
- 17 T.I.T.S. Meeting, Noon**
- 19-20 North Amer. QSO Party, SSB
- 22 Rexy Meeting B**
- 26-27 CQ 160 Meter Contest, CW

CHANGES

New Member

N3EHY

Mel Bach III
242 Hemlock Rd
P.O. Box 632
Albrightsville, PA 18210
570-722-0488
melbach@ptd.net

More new members on page 2!

Deadline for January issue:
Saturday, December 29, 2007

From the Editor

I have been personally thanking each member who has posted their CQWW CW logs on the **FRC** Reflector, and it's pretty obvious that there are some excellent scores out there. The big scores are wonderful, but so are the little ones. They all add up to give us our final total. Hopefully the combined totals of this year's SSB and CW scores will put us ahead of YCCC. Time will tell...

Of course, sitting in the chair and making the points is only part of the deal. **DON'T FORGET TO SUBMIT YOUR SCORES!** I cannot emphasize this enough. If you have not sent in your score yet, **DO IT NOW!** Do it before you read any more of this newsletter! It would be helpful if you would also let Chas, K3WW know your totals (k3ww@fastnet.com). Imagine how you and your fellow club members will feel if we lose to YCCC and your score could have turned that loss into a victory. Every point counts!

I hope to see lots of you at the King of Prussia Firehouse on Tues, Dec 13. Dinner will be available there. We will be talking about the CW weekend, tallying up our totals, and talking about rumors from the north.

I want to take this opportunity to wish you and your loved ones a happy holiday season. **Go FRC!!**

73, John, W8FJ

Holiday Greetings from FRC



MEETINGS

Main Meeting

The main monthly meeting of the **Frankford Radio Club** will be held in King of Prussia on December 11 at 8 PM.

The firehouse is just off the King of Prussia exit of the PA. Turnpike. I-76 and US 202 intersect just 4 blocks west.

Follow signs for 202 N. to Allendale road. 4th light, I believe, including a flashing light from I-76. Turn Left. (McDonalds on right corner). Stay in right lane. Look for DOME building on right just past the small strip mall. Driveway alongside the DOME is the Fire house driveway. Hard to see unless you are looking for it. Turn Right and follow SLOWLY around the back of the building and park in the lower lot.

DO NOT GO OVER THE BRIDGE OVER THE TURNPIKE AND DO NOT TURN LEFT. YOU WENT TOO FAR.



T.I.T.S. meeting—The Trexlertown International Transmitting Society meets on Thursday, December 20 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

This year's **FRC Pizza Blast** is 12:00 Noon on Wednesday December 26th. Location is the Crossroads Hotel, 1443 Main Street, Hellertown,Pa.

New Members

A belated welcome to the following new **FRC** members who were voted in during the summer meeting at **K2AX**.

W0MHK

Bill Grim
1288 Centerton Road
Pittsgrove, NJ 08318
(856) 358-4143
w0mhk7388@aol.com

WQ2N

Paul Whitman
57 Windsor Dr.
Pine Brook NJ 07058
973-882-0042
pwhit007@yahoo.com

W2VQ

Gary Whitman
57 Windsor Dr.
Pine Brook NJ 07058
973-882-0042
gary_whitman@prodigy.net

CONTESTING — TIPS, TECHNIQUES, RESOURCES

Station	QSOs	Zones	Cntrys	Class	Score	Station	QSOs	Zones	Cntrys	Class	Score
AA1K				A	3,246,250	N3GNW	669	80	276	AA	646,852
AA3B	1,474	110	429	AA	2,223,914	N3MX	578	83	262	AA	546,480
K2AX	1,927	120	438	M2	2,889,368	N3RD	1,800	29	139	A21	852,768
<i>Ops K2AX K3EGE N1RK W2OF W2RDS</i>						N3RJ	616	81	222	A	520,857
K2CJ				AA	315,060	N3RW	190	36	100	A	70,584
K2NG	2,068	141	544	AA	3,955,190	N3YW				A	227,306
K2PS	869	77	280	LA	874,293	N3ZA	1,100	108	394	AA	1,530,598
K2QM				AA	2,156,179	NE3F	2,153	121	450	M2	3,442,559
K2QPN	220	132	50	AA	107,380	<i>Ops NE3F N3OW NT3V W3CF</i>					
K2SQS	462			AA	331,906	NQ3X	342			AA	166,452
K2TTT	937	93	340	AA	1,139,223	P40W	5,595	130	444	A	9,384,575
K2UT				A	226,000	<i>Op W2GD</i>					
K3ATO				LA	25,098	V26B	12,502	149	570	MM	21,838,906
K3LR	8,456	169	666	MM	17,777,150	<i>Ops KM9M N2BA N3KS N3OC NIIN W2BZR</i>					
<i>Ops K3LR KIAR K3UA K8CX KI4MTU KL9A</i>						<i>WX3B</i>					
<i>LU7DW N2NC N2NT N3GJ N3SD N9RV</i>						V47KP				M2	7,500,000
<i>W2RQ W9ZR</i>						<i>Ops K3NM W2OX</i>					
K3OO	2,621	135	496	AA	4,595,573	VE2DXY	2,009	72	196	MS	1,094,780
K3PP	133	45	101	AA	51,830	<i>Ops K3FMQ KD3RF KD3TB</i>					
K3TEJ				A	488,748	VP2MDG	4,922	113	388	MS	5,895,414
K3WW	2,354	127	489	AA	4,077,304	<i>Ops K2DM K3ZM W4GKA</i>					
K9RS	2,819	138	499	MS	4,987,710	VP5T				MM	8,645,190
<i>Ops K9RS N3DXX NO2R</i>						<i>Ops K2WB N2VW W2WAS WA2VYA</i>					
KB3TS				Q	134,483	VP9I	3,553			MS	2,465,280
KC2NB				MS	825,120	<i>Ops K3YD W3TB</i>					
<i>Ops KC2NB W2FB W2VRK</i>						W1GD	1,458	118	441	AA	2,267,304
KD2I	656	88	265	MS	648,108	W2CG				M2	1,121,472
<i>Ops KD2I NQ3N</i>						<i>Ops W2CG W2EN</i>					
KQ3F	1,629	108	394	AA	2,293,136	W2IRT	1,052	105	389	AA	1,439,022
KV2M	393	54	172	LA	243,176	W2LE	800	83	284	AA	812,905
N2LT	1,946	114	337	A	2,705,901	W2RD				AA	690,669
N2MM	1,281	101	330	A	1,379,631	W2UP	936	91	327	AA	1,109,790
N2RM	2,949	117	417	M2	4,503,222	W2VQ				M2	635,360
<i>Ops N2RM K3ZV</i>						<i>Ops W2VQ WQ2N</i>					
N2SS				AA	410,895						
N3EHY				A	89,658						

CONTESTING — TIPS, TECHNIQUES, RESOURCES

Station	QSOs	Zones	Cntrys	Class	Score
W2XT				MS	271,152
<i>Ops W2XT W2OZO</i>					
W2YC	1,200	106	389	MM	1,642,905
<i>Ops W2YC N2CQ</i>					
W2YR				AA	800,074
W3BGN				A	3,502,275
W3CC	905	106	400	AA	1,270,060
W3EA	895	100	346	AA	1,120,352
W3FVT				A	245,700
W3GK				AA	469,340
W3GM				AA	1,161,006
<i>Op K3ND</i>					
W3IZ	686	79	252	AA	640,816
W3MF	1,328	108	416	MS	1,931,464
<i>Ops W3MF K3PH</i>					
W3PA				A	378,914
W3PP	3,357	133	512	MM	5,990,760
<i>Ops W3PP K1RY K3JD K3WI KB3MJ N3RRR WB4FDT</i>					
W6XR	450	88	269	AA	437,325
WE3C	4,657	146	576	M2	9,330,406
<i>Ops WE3C KQ3V N3FTI NM3E NN3Q</i>					
WP2Z	8,284	138	502	MM	12,594,560
<i>Ops K2TW N2TK W3FV</i>					

FRC portion: 131,495,047

If your score is missing contact **K3WW** ASAP at k3ww@fast.net.

AARP Endorses Amateur Radio

Amateur Radio and the ARRL received a significant public relations boost from the AARP this week. Promoting life-long learning for their members, Susan Ayers Walker wrote "Finding Your Hobby Online" for the AARP Web site. What's the first and most prominent activity listed to keep the mind active and functional? Amateur Radio!

Here's what the article had to say: "Long before the internet was created, the Amateur Radio network was the way people from all over the world could connect. Amateur, or ham, Radio operators created vast social networks by talking long distances to other radio enthusiasts, making distant friends and exchanging calling cards. It is this linkage of radio enthusiasts that is ready to help communication flow in case of a disaster or weather emergency. The ARRL, the National Association for Amateur Radio, has an informative website with lots of news and information, plus info on getting started or finding a chapter in your area."

You can read more at

http://www.aarp.org/learntech/computers/life_online/finding_your_hobby_online.html

CQWW Contest Log Submission Guidelines

Please upload your CQWW CW Cabrillo log to cw@cqww.com. Send the score summary or a copy of the log to k3ww@fast.net. Chas, **K3WW**, will try to pick up **FRC** scores posted to 3830, but it's best to email him your scores a few days after the contest. If you need help uploading your log, contact Chas at k3ww@fast.net

CQWW scores are split evenly among all operators listed. All **FRC** members living within the home circle count for the club submission, no matter where they operate. Non-members and members living outside the circle do NOT count for **FRC**, no matter where they operate.

73, Chas **K3WW**

CONTESTING — TIPS, TECHNIQUES, RESOURCES

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Steve NN4X posted a link (<http://tinyurl.com/23hfh3>) to an interesting article on the movement of the Northern Magnetic Pole. It seems to be headed for Siberia and may actually be close to the geographical North Pole by 2020 or sooner! This will certainly affect the the western US and Canada to both East Asia and Europe. The location of the auroral oval, possibly improving polar propagation from South Magnetic Pole is also moving - also in a northerly direction, towards Australia. This link (<http://bbs.keyhole.com/ubb/showflat.php?Number=133295>) discusses both poles and has a very cool animated graphic showing the movement of the poles since the late 1500's.

The Army Foreign Science And Technology Center has recently made the classic book "Shortwave Antennas" by Ayzenberg, G. Z. available to the public as a 714-page 49 Mbyte PDF file. Antennex publisher Jack Stone has posted a copy (<http://guests.antennex.com/rooms/science/classics.htm>) in the Antennex Guest Rooms' "Antenna Science, Classic Works" section. It is also available for \$10 on CD from <http://tinyurl.com/23yfgk> The book covers many excellent antenna designs just as useful today as they were as solar cycle 19 was just a pimple of the face of the Sun. (Thanks, Steve K7LXC)

Jim AD1C has released (<http://software.ad1c.us/#Cabrillo> <http://software.ad1c.us/>) beta-test version 4.0 of his Cabrillo-to-CT BIN converter program. It allows you to use CT to create reports based on a Cabrillo formatted file from some other logging program. Cabrillo 3.0 and 2.0 formats are supported. The contest has to be one that CT supports, of course. Dave KA1NCN notes that 2-by-4 calls from VK (VK#xxxx) are beginning to show up in contest logs. (<http://www.geocities.com/vk4hvj/wafle.html>) Don't be nervous, don't be frightened, don't be scared...be prepared!

Individual chassis punches can be pretty expensive, but Ocean State Electronics sells a nice chassis punch kit (http://www.oselectronics.com/ose_p64.htm) for \$53.95. The sizes are the common ones for ham use, such as UHF feedthrough holes and such. (Thanks, Joe KH6/W3GW)

After experiencing RFI from compact florescent bulbs (CFB) installed on a dimmer-controlled circuit, Phil KB9CRY discovered that not all CFB's will work properly with a dimmer! He replaced the trouble-causing bulbs with dimmer-rated bulbs and the RFI disappeared.

Here are a couple articles about running networking cable outdoors: <http://tinyurl.com/2zdfw9> and <http://tinyurl.com/a3tou> thanks to Roger Fulton.

Dave N6NZ writes to let us all know about "rope grabs". "These are wonderful devices. They are lightweight, secure, and less cumbersome than the usual belts and rebar hooks. A rope grab attaches to a life line, and has a spring-loaded clutch mechanism such that the rope grab will follow you up the tower, but must be held in release position in order to descend. Here is a URL to a lifeline system similar to the one I use <http://www.guardianfall.com/product.php?id=102> and many others are available. I have a second rope grab of a different design that I use as a clutch on my haul rope. Very convenient."

Lee K7TJR has updated his popular Receiving Antenna Comparison Web site (<http://www.k7tjr.com/rxlcomparison.htm>) with new information. This includes Ezrec file downloads for all the antennas in the chart and azimuth plots for each. Just right for the bands open now!

CONTESTING — TIPS, TECHNIQUES, RESOURCES

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'Tis Sweepstakes season and with its extra-long exchange, we are all working hard on improving our copying accuracy! Or are we? Emails flit through my Inbox asking, "Does anyone have the latest exchange database?" Or, "Let's all make sure our databases are up to date!" Or, "I want to make sure my prefill function works."

People, people, people! Why is it that we have contests? Think, please...I will wait...and the answer is? Fun? BZZZZT! So that Podunk Radio Club can challenge the superiority of Bandsweepers Anonymous? DOUBLE BZZZZT!

Let's take a look at the Basis and Purpose of the FCC rules. These are the reasons we get to play with a zillion dollars worth of HF spectrum, telling each other our precedence, check, and section. Where does 97.1 say anything about fun? Or internecine rivalries? It doesn't! The purpose of contests, like everything else that happens on the air in ham radio, should line up with one of those five basics. If the activity happens to be a tremendous amount of fun (like contesting), so much the better because that encourages people to take part. That it happens to be fun, however, is secondary.

Contesters are fond of telling non-contesters that contesting improves operator skill, technical know-how, trains us for emergency operation, advances the radio art, and (at least for DX contests) fosters international goodwill.

So tell me, how is it, exactly, that GUESSING at what is sent by using a database with check and section from previous years advances any of those? What is it about short-circuiting the need to actually copy what is sent that makes us better operators? There is a fine line between using a computer as a tool to facilitate the transcription of information from the airwaves to a log and lazily letting the computer help you make a guess at what might have been sent. While experienced contesters may know how to manage this camel's nose in their tent, I am not sure new contesters do.

"Database disease" causes "accuracy rot", the bete noire of high-performance operating. Most contesters want to improve their skills, and accuracy is one of the most important. If you look at the amazing accuracy figures of the operators that fill out the Top Ten, it's not unusual at all to see error rates of less than one percent over thousands of calls. How did they get to be that accurate? I can tell you for sure that it did NOT involve letting a database prefill the exchange field for them.

It's not justified either to say, "I only use it to confirm what I copied!" All that does is slow you down and remove that last little mental test that asks, "Am I sure I got it right?" You're just kidding yourself if you think that databases of any sort - exchange or call sign and even automatic zone identification - are anything but a crutch that prevent you from honing your radio skills.

If you don't have a top-level accuracy rate, then you shouldn't be using a database. It's that simple. TURN IT OFF! When you've trained your ears and brain to copy accurately and you can get it in the log accurately, and the number of errors starts getting down to the one percent level, then (and only then) should you think about turning on the prefill feature. You'll have reached the point where you can tell the difference between a tool and a crutch.

But by then, you won't need it, will you?

73, Ward N0AX

<http://www.lz1jz.com>



Reprinted from the November 10, 2007 ARRL Club Newsletter

Grow Your Club With New Hams

By Norm Fusaro, W3IZ

One of the most frequently asked questions that we hear from ARRL affiliated clubs is "How can we increase membership in our club?" On the surface the solution is a simple one - make more hams. A foundation of active Amateur Radio operators is required in order to maintain a healthy Amateur Radio club. If you lack a sufficient pool of licensed hams in your area then create some. Clubs that conduct licensing classes where they make recruitment part of the lesson continually increase membership. It does not matter if the course is an eight week program or a weekend crash course, a good instructor will pepper the syllabus with the advantages of membership in the local club and the Radio Amateur's national association -- ARRL.

Providing a license course for those people in the community who are interested in learning about Amateur Radio demonstrates the club's commitment to helping people. Reinforcing Amateur Radio's tradition of helping each other let's the new hams know that they are not just getting a license to operate a radio but that they are also earning a ticket to become part of a worldwide society whose existence is built on mutual contact. Whether on the air or in the community Amateur Radio has always been a two-way function.

From the moment the license class begins new hams need to know that your club is there to help them as they begin their Amateur Radio journey. This relationship begins not in the classroom but at the time of registration or when that first contact is made whether in person or on the telephone or through the internet.

As the class progresses the new ham is made aware of the reciprocal bond between hams and while the novice may not believe that he or she has something to offer at the moment, their attendance and a desire to belong is sufficient contribution. As long as the club maintains a friendly environment that encourages participation and supports activities the novice will soon become the Elmer to the next group of new hams and will eventually take on leadership positions in the club. However, a club is destined to fade away if they choose to adopt the attitude "build it and they will come."

Be sure to invite the new licensees to your next club meeting. Using written invitations is a nice touch and sends a message that you really want them to attend. The focus of this meeting should be on your new hams and getting them into the mainstream. Several clubs have organized the meeting following a license class using the "Ham Radio 101" format where the entire evening's programming is to show the novices the basics of operating. Have refreshments on hand and be ready to talk about the fun activities such as Field Day or a community activity that your club is involved in. This is not the meeting where want to discuss politics or topics that will embattle the membership. Keep it light and focused on the needs of the newcomers.

New hams are thirsty for information no matter how basic. When and where are the club meetings held? How do I get on the air? What does this or that term mean? Be prepared to answer the simplest questions and provide details when you do. The Mt. Baker club in Bellingham Washington has developed a great handout for new hams that helps answer some of these questions. With Mt. Baker's permission ARRL has made this booklet available to download and customize for your use. The modified version provides a place for your club to insert club and local information. <http://www.arrl.org/news/features/2005/03/06/1/MBARC-Info-Pack.pdf> Use this brochure or develop one of your own but in any case be sure to give your new hams something informative to take home with them.

A closing thought when working with new hams, one person's favorite activity is not all that ham radio has to offer. Meeting programs and mentor sessions should stimulate new hams to explore the many options offered to the licensed radio amateur. Organizing and teaching an Amateur Radio license class where the students are encouraged to be a part of the fabric of ham radio and invited to participate in club activities is guaranteed to increase your club's membership with active hams.

The ARRL is Looking for a Few Good Instructors

Teachers who have participated in ARRL's popular summer professional development workshops, the ARRL Teachers Institute on Wireless Technology <<<http://www.arrl.org/FandES/tbp/ti.html>>>, continue to spread the word about this exceptional experience and the unique value that Amateur Radio and the wireless technology curricula bring to their classrooms. The Teachers Institute is one outreach component of ARRL's Education & Technology Program, which has received strong donor support to bring Amateur Radio and the exploration of radio science to schools and classrooms. Building on our success, the League is making plans to expand the Teachers Institute next year, and needs instructors to lead the Institute sessions.

Contingent on funding, the ARRL plans to offer six four-day sessions in 2008 to provide opportunities for 72 teachers, and is looking for additional qualified instructors to support this expansion of the program. The Teachers Institute Instructor position is a part-time contract position that will require lead instruction at a Teachers Institute workshop during the Spring/Summer of 2008 as a paid associate instructor, under the direction of the Teachers Institute Program Manager. Successful performance may lead to a follow-on contract to provide continuing teacher support throughout the year, as well as instruction at future Teachers Institutes.

If you have an Amateur Extra class license as well as a current teaching credential or equivalent college/university teaching experience, the ARRL would like to hear from you. Applicants should also have experience using ham radio in a school curriculum and an extensive familiarity with electronics and wireless technology. Qualified applicants should also be able to connect with teachers working in a variety of classroom environments and with a variety of age groups.

If you are interested in applying for this exciting opportunity, please visit the information page <<<http://www.arrl.org/es/ti-instructor.html>>> to learn more about the positions and application instructions.



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73 Tim Brown NM3E 610-207-4865



Contest Season is Here!!!

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

New Reach Number: 908 391 5611 (Mobile)

Motorola to Acquire Controlling Interest in Parent Company of Yaesu

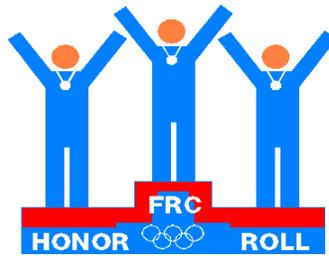
Motorola issued a press release earlier this week stating that its subsidiary, Motorola USA, will "launch a tender offer to acquire a controlling interest in Vertex Standard Co., Ltd." Vertex Standard is the parent company of Yaesu. Upon successful completion of the tender offer and subsequent restructuring process, Motorola will own 80 percent of Vertex Standard; Tokogiken, a privately held Japanese company, controlled by current President and CEO of Vertex Standard Jun Hasegawa, will retain 20 percent, forming a joint venture. The total purchase price for 80 percent of the outstanding shares on a fully diluted basis will be approximately 12.3 billion yen (approximately US \$108 million). The bid will start November 6 and end on December 26. If the bid succeeds, shares of Vertex would be delisted from the Jasdq Securities Exchange in Japan.

According to Dennis Motschenbacher, K7BV, Yaesu's Executive Vice President for Amateur Radio Sales in North America, "I thought that the happiest and proudest day of my 45-plus years in Amateur Radio was when I was offered the opportunity to lead the Yaesu North American sales effort; however, being able to now announce this news to my fellow Amateur Radio operators takes over as the top life thrill for me! I am certain the good fortune that put me in this leadership chair at Yaesu now promises opportunities for me to do more for the technological future of Amateur Radio than I ever dreamed possible. I do not pretend to know the full extent of the positive impact this Motorola/Vertex Standard business arrangement will have on Amateur Radio -- I just know it is going to be terrific for all of us who love Amateur Radio for its public service and entertainment value, as well as its potential for us to make lifelong friendships in our neighborhoods and around the world."

Saying that hams should not expect to see a line of Motorola Amateur Radio products, Motschenbacher said he sees the joint venture between Motorola and Vertex Standard "as a very good thing for Amateur Radio in general and Yaesu customers in particular. I hope our loyal customers will readily see this business venture for what it is, an opportunity to make a solid 50-plus year old Yaesu company even stronger and more formidable than is already the case. There is absolutely no reason to have the slightest concern about equipment warranties and the continuation of support for our products. I am really excited to see what the joint engineering capabilities of these two huge communications companies will bring in the way of new technology advancement for the Amateur Radio service."

Motorola said that the joint venture "will develop and sell Vertex Standard branded products and develop select Motorola branded products. The Motorola brand will continue to focus on higher featured, higher tier products and continue to utilize existing Motorola distribution channels. Vertex Standard's strength in the Amateur, Marine and Airband (Avionics) segments will also provide Motorola with access to new business opportunities. In addition, Vertex Standard's solutions are highly complementary with Motorola's products and will add greater depth and breadth to Motorola's Government and Public Safety business." According to Hasegawa, "The joint venture will give Vertex Standard access to Motorola's global distribution channels, presenting considerable opportunities for Vertex Standard to drive growth. We also expect to reduce costs, as we will benefit from Motorola's global scale and resources. With Motorola, Vertex Standard will be stronger and better positioned to deliver new and innovative 2-way radio solutions for professionals and consumers around the world." Motschenbacher said, "There is a unique aspect of business that comes with Amateur Radio. It's not just about a radio. It's the relationship between the ham, the radio itself and the company that makes that radio. This relationship in Amateur Radio is far different than it is, say, between a buyer of a HDTV, the TV and the TV manufacturer. The relationship in Amateur Radio is far more personal and 'bonding,' per se. I am certain that we will do our utmost to ensure that Motorola understands this delicate bond. Since Motorola is leaving the day-to-day management of Yaesu in the hands of my boss, Jun Hasegawa, President of Vertex Standard, we can expect our longtime relationship with hams to remain intact."

Calling the joint venture "a good thing," Motschenbacher said, "Before working in the business side of Amateur Radio, my old business partner and I purchased a number of small companies in our line of business. More often than not, we found that bringing these new acquisitions into our existing family of companies added more to the overall success of the total group than expected. Therefore, I believe that this joint venture is not just a $1 + 1 = 2$ equation -- I am positive that the outcome for our Amateur Radio customers is going to feel more like $1 + 1 = 3$ and that's a good thing!"



DECEMBER

conducted by N2SS

2007

WARC BANDS

<u>30 Meters</u>	<u>17 Meters</u>	<u>12 Meters</u>
K2FL.. 335	K2FL...339	N2TK..330
N2TK.....333	N2TK.....338	K2FL.....327
N2LT.....324	N2LT.....336	N2LT.....321
W3BGN...320	W3BGN...332	W3BGN...315
W2YC.....308	W3CF.....332	N2SS.....303
N2SS.....295	N2SS.....324	W3CF.....303
W8FJ.....293	W2UP.....318	W2YC.....278
K2PS.....289	W2YC.....312	K2PS.....269
W2UP.....286	K2PS.....310	W2UP.....267
N3RD.....272	W8FJ.....296	W8FJ.....233
K3II.....234	N1RK.....257	N1RK.....218
W2LE.....221	K3II.....256	K3II.....203
W2IRT.....212	W2LE.....244	W2LE.....198
W2RQ.....182	W2IRT.....241	N3KN.....191
AA2WN...174	W2YR.....202	W2YR.....187
AB2E.....146	K2AX.....192	NA2U.....156
N2VW.....144	W2RQ.....192	W2IRT.....122
K3CT.....134	N3KN.....171	W2RQ.....119
W2YR.....131	NA2U.....167	W2IRT.....105
N3KN.....126	K3ND.....127	AB2E.....92
N1RK.....116	K3CT.....126	K3CT.....83
NA2U.....110	AA2WN...122	K2AX.....69
K3ND.....91	AB2E.....121	N2VW.....36
W3CF.....61	N2VW.....101	K3GYS.....30
K3GYS.....17	K3GYS.....85	AA2WN.....20
K2AX.....15		

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

W3BGN297	AB2E 100
AA1K294	N2VW..... 97
WT3Q.....272	W2CG..... 95
N2LT257	W2IRT..... 93
N2TK.....255	NA2U..... 83
NO2R.....243	W2YR..... 81
K3SX.....241	N2SS..... 79
W8FJ225	K2AX.....77
W2UP211	W3CF.....77
K3JJG.....215	K3NL.....70
W2YC.....201	W2LE.....64
W2RQ.....166	K3CT.....63
K3II160	N1RK.....51
N3RS156	AA2WN.....50
K2FL143	N3KN.....34
K3ND137	K3GYS.....12
K2PS.....109	

W3BGN continues as the undisputed Top of Top Band.

Digital

W2UP.....341	W2YR..... 132
N2LT337	KQ3F..... 132
K2PS.....297	W2CG..... 66
W2YC.....276	N2SS..... 53
AA2WN.....187	N1RK.....39
N3KN181	K3GYS..... 15
W2IRT.....159	W8FJ.....12
W2LE141	

1.5K Club

K2FL..... 1718	K3II 1449
W3BGN 1706	W2CG..... 1408
N2TK..... 1699	W3CF 1403
N2LT..... 1695	AA2WN..... 1379
W2UP 1680	NA2U 1365
W2RQ..... 1645	K2AX 1334
N3RS..... 1632	N2VW 1308
W8FJ 1607	N1RK..... 1300
W2YC 1584	W2LE 1193
N3RD 1565	AB2E 1185
NO2R..... 1556	K3CT 1180
K2PS 1539	W2YR..... 1153
N2SS 1537	N3KN 1120
K3ND..... 1508	W2IRT 1087

Islands On The Air

K2FL..... 1012	N2VW.....272
N2SS843	W3CF253
W2YC656	W2YR.....244
W8FJ623	W2IRT.....232
N1RK549	K3GYS232
WA3RHW...292	AB2E205

6 METER DXCC

K2PS..... 108	N3KN52
N2LT 107	W2YR.....44
AA1K 99	W2YC.....29
K3OO 90	K2AX18
K3SX..... 75	AA2WN.....15
N1RK 57	N2TK.....12
N2SS 55	K3GYS10

K2PS displaces long standing leader N2LT at the top of 6 Meters

MOBILE DX

AA1K.....296	K3GYS 143
W2YC.....276	AA2WN..... 131
N2SS.....234	W2YR..... 28

Jon moved up and is now our official D X H ell on W heels.



THE FRANKFORD RADIO CLUB NEWSLETTER

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



Affiliated Club

The Frankford Radio Club

Club Officers

President

Acting Pres, **W8FJ**, John Schrader ... 610-279-6097

Secretary, **K3ZV**, John Lindmeier..... 856-768-5348

Treasurer, **K2QM**, Bob Shohet.....203-270-8456

Email: w8fj@aol.com

Email: k3zv@hotmail.com

Email: kq2m@earthlink.net

Committee Chairman

Repeater, **K3NL**, Nick Leipold 610-449-8910

Packet, **N3RD**, Dave Hawes 610-935-2684

Activities, **N3AD**, Alan Donziger610-581-7032

Awards, **K2QM**, Dan Marlow 609-683-5633

Membership

Newsletter & Roster

Editor, **KQ3F**, Joe Stepansky 717-657-9792

Printing, **K3ZV**, John Lindmeier..... 856-768-5348

Email: kq3f@comcast.net

Email: k3zv@hotmail.com

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

144.950 K3ZV

145.530 AA1K

145.530 K3WW

145.570 WT3Q

145.670 W3PP

Telnet DX Cluster

k2ut.gofrc.org

k3ww.gofrc.org 7300

kf3b-2.gofrc.org 7300