THE FRANKFORD RADIO CLUB
NEWSLETTER
PROFICIENCY THROUGH COMPETITION

FRC Since 1927

CALENDAR

October 2003:
4-5	Oceania DX Test, SSB
4-5	California QSO Party
11-12	Oceania DX Test, CW
11-12	Pennsylvania QSO Party
14	**FRC Main Meeting, Phila**
14	**Rexy Meeting B**
16	**T.I.T.S. Meeting, Noon**
25-26	**CQ WW DX Test, SSB**
28	**Rexy Meeting B**

November 2003:
1-2	ARRL Sweepstakes, CW
8-9	WAE DX Test, RTTY
11	**FRC Main Meeting, Phila**
11	**Rexy Meeting B**
15-16	ARRL Sweepstakes, SSB
20	**T.I.T.S. Meeting, Noon**
25	**Rexy Meeting B**
29-30	**CQ WW DX Test, CW**

December 2003:
5-7	ARRL 160M Contest, CW
9	**FRC Main Meeting, Phila**
9	**Rexy Meeting B**
13-14	ARRL 10 Meter Contest
18	**T.I.T.S. Meeting, Noon**
23	**Rexy Meeting B**
27	RAC Canada Winter Test
??	**FRC Pizza Blast**

CHANGES

Address

WW2I
Peter Hutter
20 Oak Ridge Dr.
Belle Mead, NJ 08502
908-256-2569

Email

K3ANS
goodmancpa@enter.net

President's Column

Well, here we are with the first big contest of the year, CQ SSB from Oct. 24 to Oct. 26th, just 4 weeks away. As I have been saying, we need all **FRC** members to be on the air supporting the club as much of the time as possible. The Club needs every point each of us can contribute!!!

We are FRC members because we are contesters. So now is the time to do what we promised when we each became a member.

I know I have been beating this point to death lately, but I just want to inspire all of us to make **FRC** #1 again and that will require participation from all of us. We need to win this year and to do that we need your support as members of the best contest club there is.

I will not be at the next meeting as I will be with Alex on **V47KP** getting everything set up for this contest. One of the important things to do during the contest is work the DXpeditions. We have many club members going away for this contest, so make a list of them and try to work them on all bands.

Many of you know members that have been inactive in the contests the last several years. Please contact them and persuade them to support the club with their participation this year. If we each regain an inactive member, **FRC** could blow this contest out of the water with very little effort. Please help out and talk up this years CQ CONTESTS SSB AND CW. We can win this year if we ALL try harder. I wish all of you great scores and lets show the YCCC the we are the BEST.

Regards, Joe K3NM

More Changes

Address	**VP5JM**	
	Jody Millspaugh	
	5525A S. W. Woodham St.	
	Palm City, FL 34990	
Callsign	**AB3AH**	
	Ed Moyer	
	was KB3CBO	

CQWW DX SSB 2003 FRC DXPeditions

VP5T - K2WB, WA2VYA & N2VW will be at VP5JM's on Provo, Turks & Caicos Isl, from Oct 21-28, 2003 for the CQ WW DX SSB Contest. CW & WARC bands before and after contest. QSL VP5T to N2VW. VP5/xxx calls to CBA.

V26DX - Doug W3CF, Jay WX0B, Sharon N5CK, Irwin KD3TB, Andy KD3RF, Thomas DL2BO, and Zig KM9M will activate the Royal Antiguan Radio Club Station, V26DX M/2 low power, for the CQWW Phone Contest. Operators begin activity October 19 until November 1. QSL all V26DX QSO's via KU9C . QSL individual ops via on air instructions. Planned activity on 6m and the WARC bands before and after test.

AWARDS - Top Gun plaque will be given to the first single op station to work us on 6 bands. Top Gun T-Shirts awarded to next 9 fastest 6 band single op Q's.

V47KP - Multi/2 with Alex, W2OX and Joe, K3NM. QSL via K2SB

P40W - John W2GD Single Op. QSL via N2MM

WP2Z - N2TK, W3FV and K3NZ are running M/2. They'll be there form 10/22-29

CQWW Log Submission Guidelines.

The ideal way to enter CQWW, is by submitting your Cabrillo file directly to SSB@CQWW.COM for your phone log and CW@CQWW.COM for your CW log. The log should be named YOURCALL.LOG and you should put your call in the SUBJECT line. The robot will let you know if you provided all the proper information. Current versions of CT/NA/TR and Writelog should provide proper Cabrillo formats for submission. Be sure to include ALL the information, especially CLUB: **Frankford Radio Club**.

You can send K3WW@fast.net a copy of your Cabrillo log or AT LEAST your claimed score. Cabrillo logs are used to produce Master.DTA files, and held as back up should the sponsor have a problem.

If you prefer to use an older version of CT for contesting, that is fine. After the contest is over, save a copy in a safe place, then open a copy with the latest version (FREE from K1EA.COM). Be sure to answer all the questions to provide all the proper category and club info.

If you do NOT put **Frankford Radio Club** in the header under CLUB we will NOT get credit.

If you are having problems or have questions about submitting your log, you may send it to K3WW@fast.net and I will make sure the files are in the proper format and submit the log. If you send me a copy of a log you submitted, be sure to mention that you have successfully submitted your log.

If you do not have Email, get me your log on a disk or get me your paper log as quickly as possible after the contest. I will convert it to Cabrillo and upload for you.

Again, report all scores/operator lists, etc. to **K3WW**.

Please do not send your log to **K3WW** the day after the contest, or during the contest. Carefully review your log for typos, and completeness AFTER you rest for a day or two. If you are not too tired to look at your log, or read your Cabrillo header for completeness,at the end of the event, you didn't work hard enough in the contest!

73, Chas K3WW scorekeeper

More FRC CQWW SSB DXPeditions

TI5 - Harry/AC8G, Ron/WA8LOW, W8ILC/Ron, Brian/KA7KUZ, Kecko/TI5KD, Tony/VE3RZ, Jorge/CX6VM, Ed/K1EP, Tom/ZP5AZL, Juan/ZP5MAL, Dale/N3BNA and Dave/WT8R, will be manning the **TI5N** Contest station as a multi-multi entry in the CQWWSSB contest, 25-26 October. QSL TI5N via W3HNK.

For a day or two before and after the contest, the individual operators will be on the using TI5/own-callsign as time permits. Expect a higher level of CW and other non SSB modes on the contest bands due to the large SSB volume in the contest. Attention will also be directed to 6 meters and the WARC bands using various modes.

QSL's for the individual QSO's should go to the callbook address unless advised otherwise. IMPORTANT - do not mix the contest QSL with ones for the individual contacts.

Team Antigua will ride once again to activate V26B on the Beautiful Island Nation of Antigua and Barbuda in the 2003 running of the CQWW SSB Contest on October 24th & 25th 2003. Our plans are to enter the Multioperator/Two-transmitter category. For a complete station description, complete with Photographs and Rate charts of The Team Antigua, V26B, Superstation. Please visit our Web Page at http://www.frc-contest.org and click on the Dxpeditions page and then the Team Antigua, V26B Link!

Our Grid Square is FK-97 and IOTA Number is NA-100. Members of Team Antigua will also make special attempts to be active on RTTY, PSK31, 160 meters and the WARC Bands a few days both before and after the contest. There is also a possibility of some 6 meter with conditions permitting! Most likely our operators will make their presence felt on all bands starting on or about October 22th until about November 2nd.

The Members of Team Antigua and their Callsigns
V26B Sam, WT3Q QSL Via WT3Q
V26EW Ed, N2ED QSL Via N2ED
V26OC Brian, N3OC QSL Via N3OC
V26R Mike, KA2AEV QSL Via KA2AEV
V26U Bill, W2UDT QSL Via W2UDT

New Members!!!

Rodger Rehr - W3SZ
2 Merry Mount Road
Reading, Pa. 19609
610-670-8687 (home)
email: w3sz@comcast.net

Bob Nowicki - KD2I
1589 Partridge St.
Toms River, NJ 08753
908-929-4264 (home)
908-510-8759 (work)
email: kd2i@aol.com

Bob Ward - NQ3N
27 Alexandra Way
Cape May Court House, NJ 08210
609-624-7915 (home)
609-517-2566 (work)
email: wardbnj@comcast.net

Ray Higgins - W2RE
499 Pleasant Ridge Road
Poughquag, NY 12570
845-724-3497 (home)
845-206-2057 (work)
email: w2re@arrl.net

Returning Member

Art Hitchens - N3DXX

FRC Awards Program
Awards for Cumulative Scores
CQWW CW, SSB & ARRL DX CW & SSB

Top Gun: (highest total) Trophy & possession of Perpetual Trophy for one year.

Big Gun: (next highest) Special Plaque.

Top Ten: Plaque for each of the top 10 SO/SOA scores.

Multi-Multi: Plaque for each of the top three domestic M/M stations and their operators. M2 scores will be combined with MM scores. Same thing for DXpeditions.

Multi Single: Plaque for each of the top 3 M/S stations and their ops. Same thing for DXpeditions.

Awards for Achieving Fixed Point Goals

Million Point Award: Plaque for SO/SOA for first time achieving one million points in a contest. One time per contest.

Tri-Meg Award: Plaque for M/S station for first time achieving three million points in a contest. Award goes to the holder of the call used. One time per contest.

Penta-Meg Award: Plaque for M/M station for first time achieving five million points in a contest. Award goes to the holder of the call used. One time per contest.

DXpeditions

Million Point Award: Plaque for SO/SOA DX-pedition for first time achieving one million points in a contest. One time per contest.

Tri-Meg Award: Plaque for M/S DX-pedition for first time achieving 3 million points in a contest. Award goes to the holder of the call used. One time per contest.

Penta-Meg Award: Plaque for M/M DX-pedition for first time achieving five million points in a contest. Award goes to the holder of the call used. One time per contest.

Grand Slam Award

Certificate awarded to every **FRC** member who participates in all four of the major contests in a given season.

Packet Spotting – Friend or Foe to Contesting?

Reprinted from the May 2003 issue of CQ Magazine with the kind permission of John Dorr, K1AR.

Every once in a while, there's a subject that needs to be discussed that not everyone is going to agree upon. In fact, with some hams that includes the very subject of contesting itself. Over the past few years I've observed the rapidly growing addiction towards the use of packet spotting in contesting. For those of you who don't understand the concept (and I suspect there aren't many at this point), packet spotting is nothing more than utilizing the widespread presence of PacketCluster™ (and other products) nodes throughout the world for the purpose of communicating the frequency and callsign of a contest multiplier and/or QSO. The idea seems simple enough on the surface. Yet, it has taken on a life of its own amongst our ranks in contesting. Indeed, it has become an obsession that has truly changed the face of contest operating—unfortunately, without particularly positive results.

The original concept of packet spotting has its roots in the late 1980's when Dick Newell, AK1A, brought his PacketCluster product to market. It seemed benign enough at the time. Local DXers and contesters utilized the tool to enhance their "spotting" capabilities. If a local group was more advanced in their thinking, they may have even linked one or two of the PacketCluster nodes together into a mini-network of sort.

Clearly in today's environment, the face of packet spotting has changed. The vast majority of users enter the packet world via the Internet. Huge, worldwide networks are in place with literally hundreds of nodes networked together. At peak times, it's not uncommon to see thousands of users connected from virtually every part of the world. Frankly, one should marvel at this achievement for ham radio from a technology point of view.

Unfortunately, the concept went bad somewhere along the way. As you'll discover in my commentary this month, I believe this may be less the case in casual DXing circles (although we have our moments in that world as well). However, it is absolutely the situation we face during high profile contest operating.

Packet Pileups
Newer contesters may find it hard to believe, but there once was a day in contesting when operators simply tuned the bands and found/worked rare multipliers/QSOs all by themselves. Before the days of packet, we would sometimes utilize two-meters as the multi-op tool of choice for DX spotting. I remember the old days of operating at W2PV's multi-op station where we had assigned two-meter spotting operating positions (much like ensuring coverage on the HF bands themselves), including the use of the local radio club in Schenectady, NY, to help us along.

Unfortunately, with the ubiquitous access to packet that exists in today's contesting environment, a new dynamic has been created. Now, when an interesting or needed station is spotted, the masses swarm on that station like a pack of hungry wolves. Instant pileups are created as a result and the operating skill now becomes that of "who can get there first." Computer logging programs contribute to this behavior as they have nicely integrated the packet environment with their software so that moving to a spot is nothing more than a keystroke away.

While it's fair to say that packet has perhaps increased the availability of needed multipliers, it has also facilitated unacceptable operating methods as well. It has become so easy to QSY to these spots that everyone does it. Often, callers don't even listen before they start calling. There's so much pressure to get there first that poor operating becomes the norm. I equate this operating environment to someone jumping into their running car and flooring the gas without first deciding where they're even going. It's just important that they're moving.

To a large extent, we've created this monster. Frankly, some of the fun of contesting has left us as we move from one packet pileup to the next. It's become a rare event to find that useful multiplier first. The numbers are simply against you. It seems that contest weekends have become one of bouncing around the packet pileups that rapidly grow into dozens of callers as our contest machines lead us to water. If this is discouraging to operators of big stations, one can only imagine how the little pistol must feel over the course of a weekend. Think about it as you're trying to work that TG9 or FO5 on ten meters that decided to show up on Sunday afternoon and became subsequently spotted on packet. In some contests, this dynamic is not limited to rare multipliers. For example, in the last ARRL SSB DX Contest, I witnessed packet pileups on random JA stations, mostly due to the limited activity at the end of the contest. It was disconcerting indeed to join a pileup of 40 other stations all simply trying to log a contest QSO.

Busted Callsigns
It seems that as the use of packet spotting has increased over the years, our operating practices have declined. If you take a look at Table 1, you'll see some embarrassing evidence of this claim. Over the course of a contest weekend (and the analysis presented for

this column is just one example), literally hundreds of busted callsigns make their way into the packet system. Unfortunately, as I've seen first-hand from CQ WW log checking, they also make it into contest logs. Again, many of us just don't listen. We point and click on a spot, go work it and don't even bother to listen to the callsign of the station that was just worked. The result: bad QSOs make it into our logs. More important, we've just contributed to the growth of poor operating techniques.

I'm continually amazed at the number of bad calls that make it into the system. Frankly, it's nothing less than sloppy operating. This is all about taking the time to get it right, which includes one key attribute—listening. As with real life, if we spent as much time listening as we did transmitting, we'd be amazed at the increase in our operating accuracy and effectiveness.

Intimidation of Casual Operators
If you've ever operated from overseas, you have experienced packet pileups. For an experience operator, these are really not a big deal. It's all part of the game. However, it's another story if you're simply a casual operator trying to help out by giving the contest a bit of your spare time. The casual operator is not interested in large pileups. In fact, they're really not even interested in the contest itself per se. They're more interested in deciding whether they should operate their radio or go to the beach that day. As the packet wolves descend on these poor fellows, the endless calling often results in the casual operator hitting the off button on their radio. Contesting loses in this scenario.

Intimidation can even be a factor to the experienced operator. The worldwide nature of packet usage creates awareness of interesting stations that would normally not be noticed in certain geographies due to propagation. However, as that low band multiplier gets spotted after East Coast sunrise, we start calling away, creating a difficult copying environment for even the best of operators. Again, where have we benefited from this situation?

Reduction in Contest Fundamentals
I'll admit that I'm a traditionalist in most aspects of life. Believe it or not, in the early years, it took me a while to warm up to the notion of contest logging software. At the time, I was convinced that it would simply slow me down. As one who cut his contesting teeth in the late 60s and early 70s, I'm a product of the old school. I worked contest QSOs the old fashioned way—I found them by tuning the bands. Now, I'm not so rigid that I don't see the benefit that comes from packet spotting. In fact, as I type this, I have a TELNET window running in background connected to my local W1GQ packet node. However, when it comes to contesting, packet has created a serious decline in operating basics. It's as if without packet, we have become unable to work the contest by ourselves. Loss of the packet network can create a serious crisis in some operator's minds. When reading some of the soapbox comments after a contest, it seems that the subject of packet prevails over the events of the contest itself. I see it at club meetings, hamfests, local gatherings and many other places.

In many ways, packet spotting has become a dependency to us. And, for the newer contester, they have never truly learned the fine skill of tuning the bands and finding needed QSOs. The world of packet spotting is all they know. As an example, I recently read the comments of an aspiring contester on qrz.com. Strikingly, one of their remarks was to state a goal of gaining proficiency in the use of packet radio as a critical factor to their long-term success in contesting. Not once did they mention the notion of getting the basics of "operating 101" down pat.

Cheating is Inevitable
Whether we choose to admit it or not, packet spotting has created another dynamic in contesting—cheating. Over the years, I've subscribed to the concept that the vast majority of contesters are honest. And, I still do. However, as with any large group, there's always a small subset that see life differently. Fortunately, most of them eventually get caught. But, the availability of packet has become an irresistible factor for some of our ethically challenged members with the lines of single operating becoming blurred in their minds.

Perhaps of greater concern is what I would describe as the casual cheater. This is not the hard-core cheating single operator who uses packet spotting all weekend in a way to dramatically improve his score. Rather, it's the operator that chooses to pick his spots (pun intended). Over the course of a weekend, they may work 10 or 20 spotted stations as a way of adding a percentage point or two to their score. It's like the fellow that has quit smoking and only occasionally grabs one or two cigarettes when the urge hits them.

The bottom line is that cheating is cheating. And, whether you do it once in a weekend or make a career out of it, you and contesting both lose.

Out of Band Operation
I never thought that out of band operation was that much of a factor in contesting until the past year. While operating at PJ2T, I was amazed at the number of USA stations that called me outside of the band. At first, I assumed they were simply not looking at their

VFOs and making honest mistakes along those lines. Then it struck me—the culprit was packet spots. Again, in the "point and call" mode that has become so common, spots hit our computer screens and off we go, with little regard to whom we're calling or what frequency they're on. You would be amazed at the number of stations that called me from PJ2T while I operated on 21140. Little pistols and high profile multi-multi stations were all in there. It was truly an equal opportunity example of poor operating.

As an experiment during this past ARRL DX SSB contest, we spotted a legitimate DX station operating on 21190 just to see what would happen. As sure as the sunrise, US stations appeared on the frequency and worked him—again, small and large stations alike. It was a sad commentary on the negative effects of packet.

And Finally…
The reality of packet spotting is that the technology is out of the gate. Whatever your position may be on the subject, there's probably no turning back at this point. Or is there? As an experiment last year, N2RM participated in the ARRL DX CW contest as a Multi-2 entry with one notable change in operating strategy—no packet! Not only did they do well, they won the category, beating the likes of our K1AR operation from K1EA's station operating with the full support of the packet network. Did their multiplier totals suffer from lack of packet? No. In fact, we were virtually tied. Here's the comparison of multipliers:

Band	K1AR	N2RM
160	47	45
80	80	80
40	94	93
20	118	115
15	123	123
10	122	117
Total	584	573

If I seem a bit passionate about the subject this month, it's for good reason. Packet spotting, while offering perceived value to many contesters, has become a matter of serious concern. I work in technology and use it every day. Unfortunately, packet spotting is a great technology that has gotten out of hand. Of even greater concern is the fact that there doesn't seem to be any driving force to do something about it. All of us own a piece of this challenge. Would contesting's interests be better served if packet spotting simply went away? I spend very little time wondering what the answer to that question is anymore. What do you think?

Spotted Call	Correct Call	Freq
4L6GM	4L6AM	14185.0
5NOEVR	5N0EVR	24980.0
5Z2GT	5Z4GT	21215.1
6D2FM	6D2YFM	3760.9
6Y2DFM	6D2YFM	14237.0
6Y8X	6Y8Z	28555.0
9A2A	9A1A	14248.2
9A2A	9A1A	3755.6
9Y2TYG	9Y4TBG	28397.7
9Y4TB	9Y4TBG	28382.7
AP1A	8P1A	14228.0
AP1A	8P1A	14264.5
AP1A	8P1A	14274.4
BW3/UA3VCS	BW4/UA3VCS	3776.5
BY4BJB	BY4BZB	21289.7
C02TK	CO2TK	28428.2
CM6RCL	CM6RCR	1877.2
CN2	CN2R	21281.0
CO8T	CO8TW	28506.3
CQ0WW	CQ0BWW	14194.0
CQ2BWW	CQ0BWW	14193.0
CQ2BWW	CQ0BWW	14193.0
CT1BAP	CT1BOP	21390.0
CT1BO	CT1BOP	21234.1

Spotted Call	Correct Call	Freq
FY5K	FY5KE	21341.3
FY7KE	FY5KE	1852.0
P47KP	V47KP	3775.3
P47KP	V47KP	28535.0
P47KP	V47KP	28561.7
P47KP	V47KP	21318.7
V44KP	V47KP	21384.7
V47KD	V47KP	21318.6
V47KPZ	V47KP	1851.9
V74KP	V47KP	3772.0
V74KP	V47KP	28560.8
V74KP	V47KP	28560.0
V9/W6PH	VP9/W6PH	3794.2
VP8A	VP5A	28492.3
VP8A	VP5A	28492.3
VP9/26PH	VP9/W6PH	3784.5
W2LPL	W3LPL	14315.2
YV4FSM	YV4FZM	3773.8
YV4FSM	YV4FZM	3792.4
YY5JNN	YY5JMM	28470.0
YY5MM	YY5JMM	28355.6
YY5UMM	YY5JMM	28355.5
ZF3AH	ZF2AH	21310.6
ZL1BI	ZL1BX	28650.0

MEETINGS

Main Meeting

The main monthly meeting of the **Frankford Radio Club** will be held on Tuesday, October 14 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, October 16 at 12:00 noon. Location to be determined. Keep an eye on the **FRC** reflector for more info. *(Ed note: please let ye olde editor know when a permanent location is selected.)*

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 Contest DXPeditions

CQ WW DX CW 2003

V26K - AA3B will be active from Antigua & Barbuda starting 26 November 2003 through 30 November 2003, including the CQ WW CW contest. This will be a cw only, single op, all band, low power operation. QSL via AA3B.

WP2Z will be activated in CQWW CW again by ironmen AB2E and K3TEJ in Multi-Two (#9World Finish in 2002). Efforts will be made to exceed last year's 44 hours operating by each op in the contest. The goal is to maximize per operator score in this 100% FRC operation! QSL WP2Z via KU9C. QSL KP2/AB2E and KP2/K3TEJ via home calls. We will operate as much WARC before the contest and Low Bands after the contest as possible.

ARRL DX CW

WP2Z - Operated by **K3MD**, Single Op High Power

ARRL Announces Contest Rule Changes

The ARRL Contest Branch has announced rule changes governing ARRL-sponsored operating events. The changes become effective November 1, 2003.

In any contest that requires off-time, any claimed off-time period must be at least 30 minutes long. "Remember that listening time counts as operating time when calculating off-time," said ARRL Contest Branch Manager Dan Henderson, N1ND.

Second, the Northwest Territories (NWT) multiplier has been renamed "Northern Territories"--abbreviated NT--for contests that use ARRL and Radio Amateurs of Canada (RAC) sections as part of the exchange."While not an official RAC section, the VE8, VY1 and VY0 (Northwest Territories, Yukon and Nunavut) are grouped together as a multiplier in the ARRL November Sweepstakes and the ARRL 160-Meter Contest," Henderson explained. "The new name and abbreviation will more accurately describe their makeup."

Henderson said use of the NWT abbreviation was inconsistent to designate a multiplier that also included Yukon and Nunavut. Awards for ARRL-sponsored contests will continue to be issued to the VE8, VY1 and VY0 together as the Northern Territories section.

Finally, in contests using geopolitical entities as multipliers--the ARRL RTTY Roundup, the ARRL International DX Contest and the ARRL 10-Meter Contest--the official abbreviation for Northwest Territories is NWT. "This change brings the multipliers for those events into a consistent form," Henderson said. ARRL encourages contest participants to update the necessary files for their logging software.

For more information, contact Henderson <n1nd@arrl.org>.

The 2003 DX Magazine "most wanted" survey under way:

The 2003 DX Magazine "most wanted" survey <http://www.dxpub.com/dx_survey2003.html> is under way. The deadline to respond is October 15. The survey helps DXpeditioners decide where to go next. DX Magazine Publisher Carl Smith, N4AA, says not all DXCC entities are listed--just the most likely ones. Respondents are asked to select entities they do not have confirmed for DXCC. There's an opportunity to comment, where respondents may list needed countries not appearing on the list. The results will be released in early 2004.-

W1AW 160-meter transmission to QSY slightly

Starting Monday, September 29, W1AW shifted its 160-meter code practice and bulletin transmission frequency from 1818 kHz to 1817.5 kHz, starting with the 4 PM EDT (2000 UTC) code practice run. The change not only brings W1AW's Top Band frequency in line with those the station uses on other bands, it also should help to eliminate possible interference from broadcast station harmonics and birdies--something that's more likely on an integer (ie, whole number) frequency. W1AW has been conducting code practice and bulletin transmissions on 1818 kHz since 1982. Prior to that, W1AW transmitted both CW and phone bulletins on 1835 kHz.

Notes From Your Editor

Fall cleaning of the shack! Before I go out and post on the internet, I thought I would post it all here. See my list below of stuff for sale.

FOR $ALE
* **YAESU FT-817** 160 thru 440 5W QRP radio - used just twice
* **LDG Z-11** QRP automatic antenna tuner - new, never used
* **12V Int'l Power Supply** 100-240 VAC input, 13.5VDC output
* **Rigblaster Nomic** PSK31 interface
* **Miracle Whip** collapsible HF antenna
* **ATX Walkabout** collapsible HF whip antenna
* **KENWOOD TM732A** 2M/440 transceiver – never used mobile
* **YAESU FT51R** 2M/440 handie-talkie w/several extra battery packs
* **MFJ 1278B** Multimode TNC and data terminal
* **Kenwood IF-232C** computer-radio interface
* **QST Collection** 1930 to present

If you are interested in any of the above, drop me an email at n2ss@n2ss.com or give me a call on my cell phone at 609-221-4899.

CURRENT OFFICIAL ARRL DXCC STATISTICS

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

9M6 – EAST MALAYSIA
Look for Bob Schenck, N2OO, operating as **9M6OO** from the 9M6AAC station at Hillview Gardens Resort from October 19th to November 13th. QSL via to Bob's home QTH.

By the way, in case you're interested in an exotic dxpedition location with a beautifully equipped shack, take a look at the URL below: www.qsl.net/9m6aac

Pretty cool! Don't have to bring a thing but a change of clothes and your credit card.

BV9P – PRATAS
The DXpedition to Pratas Island by BV3BW, BV3FG, BV4FH, DL3DXX, DK7YY, JI6KVR, N2OO, OE1WHC and ZL4PO is on schedule and if all goes to plan the operators will start activity at 1000 UTC on Oct 7th and continue to 0100 UTC on Oct 16th. There will be five stations active on all bands and modes. QSL to KU9C. For the latest news you can check their web site at: www3.ocn.ne.jp/~iota/newpage64.htm

VK9X – CHRISTMAS ISLAND
VK9XYL will be the call used by VK3DYL, VK4SJ and VE7YL Oct 13th-27th. Operation will be on SSB and CW on 80 through 10 Meters. QSL via VK3DYL.

Oct 26th to Nov 8th will find WØYG as **VK9XG** with a focus on the low bands and RTTY. QSL direct.

XU – CAMBODIA
Oct 19th-28th will find ES1FB signing as **XU7ACE** from Sianoukville. While there he will make an IOTA side trip October 21st-23rd to sign portable from Koh Poah Is, AS-133. He will be handling the QSL's himself.

ZK2 – NIUE
JA2ZL will be signing as **ZK2ZY** from Oct 18th-24th on 75 through 12 Meters SSB. QSL via JARL or direct.

DX ALERT LEGEND
⇑ 160 METER ALERT
IOTA ALERT
RTTY ALERT
⊕ WARC BAND ALERT

For tracking purposes the top IOTA numbers currently are as follows:

Africa	AF-094
Antarctica	AN-018
Asia	AS-168
Europe	EU-188
North America	NA-225
Oceania	OC-263
South America	SA-093
Total IOTA's	1049

Upcoming
EU-128 DL1ZU/p will be on from Fehmarn Island October 18th-26th. Operation will be on CW, RTTY and PSK on 80 thru 10 Meters.

NA-037 AD5OZ will be active as KL7FBI from Shemya Island on October 8th-14th. Operation will be mostly CW on 80 thru 20 Meters.

"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
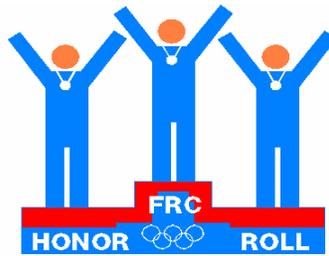
🌐 WARC BANDS 🌐

30 Meters		17 Meters		12 Meters	
K2FL	**.. 327**	**K2FL**	**...333**	**N2TK**	**..325**
N2TK	324	N2TK	 331	K2FL	 324
N2LT	309	N2LT	 329	N2LT	 316
W3BGN	300	W3CF	329	W3BGN	... 305
K2RW	290	K2RW	320	K2RW	 296
W8FJ	284	W3BGN	... 320	N2SS	 296
W2YC	281	N2SS	 316	W3CF	 282
K2PS	275	K2PS	 294	K2PS	 265
N2SS	272	WA2VYA	. 292	W3SOH	... 265
WA2VYA	..267	W2YC	 289	W2YC	 264
W3SOH	223	W8FJ	 286	WA2VYA	. 261
K3II	222	W3SOH	266	WT3W	 258
W2LE	205	WT3W	 264	KS3F	 232
W2UP	184	N1RK	 249	W8FJ	 222
KS3F	178	K3II	234	N1RK	 221
K2BU	175	W3OV	 234	K3II	 200
AA2WN	164	KQ3F	232	W2UP	 199
WT3W	162	KS3F	 215	KQ3F	 199
W3OV	150	W2UP	202	W2YR	 181
N3RD	144	W2LE	 196	N3KN	 174
KQ3F	141	W2YR	 194	K2NJ	 162
NZ3O	125	NZ3O	 190	W2LE	 161
W2YR	124	K2JF	168	W3OV	 160
K2JF	112	K2NJ	 145	NZ3O	 151
AB2E	111	N3KN	 143	K2JF	 135
K2NJ	97	K3ND	 110	AB2E	 82
N3KN	75	AA2WN	... 102	K3PP	 53
N2VW	71	N2VW	 65	K3GYS	 30
N1RK	69	K3GYS	 83	N2VW	 27
K3PP	68	AB2E	 82	AA2WN	 19
W3CF	55	K3PP	 60	K2WJ	 17
K2WJ	28	K2WJ	 40	KB3FEE	 3
K3GYS	8				
KB3FEE	1				

Still looking for that 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	N2VW	 77
K3NW	228	W3CF	 77
K3SX	223	N2SS	 75
W8FJ	192	K3NL	 70
W2UP	178	K2NJ	 59
NO2R	176	K3PP	 59
K3JJG	176	N1RK	 41
K3NZ	171	KQ3F	 41
W3OV	163	KB3FEE	 38
W2YC	156	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	**...........334**	W2YR	 122
N2LT	326	K2JF	 113
K2PS	275	W2LE	 81
W3SB	268	N2SS	 51
K2RW	231	WA2VYA	 50
K2NJ	221	N1RK	 42
W2YC	212	N2MR	 28
AA2WN	162	KQ3F	 23
N3KN	160	K3GYS	 15
WT3W	155	K2WJ	 12
K3PP	123	W8FJ	 12

🚗 MOBILE DX

W2YC	**...........274**	AA2WN	 131
AA1K	260	WT3Q	 107
N2SS	234	KB3FEE	 48
N2MR	196	K3PP	 46
K2JF	150	W2YR	 21
K3GYS	143		

🏋️ 1.5K Club

K2FL	**...........1704**	W3CF	1403
W3BGN	**.....1691**	WT3W	1395
N2TK	**.........1685**	K2NJ	1383
N2LT	**.........1658**	W3SOH	1378
W2UP	**........1646**	K2JF	1350
K2RW	**........1591**	AA2WN	1295
W8FJ	**.........1577**	N1RK	1278
N3RS	**..........1569**	N2VW	1258
K2BU	**.........1550**	WT3Q	1162
W2YC	**........1511**	K2WJ	1161
K2PS	**.........1509**	W3SB	1132
N2SS	**..........1506**	W2YR	1125
NO2R	**.......**1489	W2LE	1115
K3ND	1488	K3PP	1110
N3RD	1464	K3NM	1107
WA2VYA	.. 1435	N3KN	1060
KQ3F	1412	NZ3O	945
KS3F	1407	KB3FEE	231

🌴 Islands On The Air

K2FL	**............959**	W3CF	253
N2SS	770	NZ3O	244
W3SOH	762	W2YR	226
W2YC	533	K2WJ	223
W8FJ	530	WT3W	218
N1RK	527	K3GYS	191
KS3F	319	KB3FEE	23
N2VW	259		

🗺️ 6 METER DXCC

N2LT	**............102**	N1RK	57
K2NJ	95	N2SS	55
AA1K	94	N3KN	45
K2JF	94	W2YR	41
K2PS	81	K3PP	30
WA2VYA	75	K2RW	36
WT3W	65	W2YC	14
K3OO	60		

THE FRANKFORD RADIO CLUB

NEWSLETTER

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

Affiliated Club

In This Issue

CQWW SSB FRC DXPEDS

LOG SUBMISSION GUIDE

NEW MEMBERS

PACKET SPOTTING
FRIEND OR FOE?

AND MORE!

**Deadline for November issue:
Tuesday, October 28**

The Frankford Radio Club

Club Officers
President, **K3NM**, Joe Brue……..…………...….570-992-6890
Vice Pres, **W8FJ**, John Schrader ……......….…..610-279-6097
Secretary, **K3ZV**, John Lindmeier …..…...……..215-632-2919
Treasurer, **K2QM**, Dan Marlow ....…..…........…609-683-5633
Committee Chairman
Repeater, **K3NL**, Nick Leipold ....… 610-449-8910
Packet, **N3RD**, Dave Hawes ....… 610-935-2684
Activities, **N3AD**, Alan Donziger ……………......610-649-7032
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 ....…......…........215-632-2919
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**

144.910 N2MT
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
445.525 W3EA
445.850 N3BNA
TBA   W2JT

Telnet DX Cluster

k2ut.gofrc.org
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w3frc.gofrc.org