

CROSSTALK

Volume 55

Issue #11

Celebrating Our 55th Year

November 2014



President's Message



Happy Halloween everyone! Experiencing any “spooky” DX conditions lately? As this edition of Crosstalk goes to press, that great pumpkin in the sky, our sun, has been sporting a sunspot number of over 120 for a few days now, and is showing off a huge sunspot (AR2192) that has so far produced seven M-class solar flares of increasing intensity. But that’s not the only thing going on in the sky. For those who follow rocket launches visible from our South Jersey location, a commercial resupply services mission to the International Space Station is scheduled to be launched at 6:45pm (EDT) on October 27 from the NASA’s Wallops Island flight facility. Wallops is only about 110 miles South-South-West as the crow flies from here, making launches easy to see if the skies are clear. If it goes off as planned, it could be a great early evening show! For more information, go to : <http://www.nasa.gov/centers/wallops/>

Looking back at October, it was a month full of radio activities. On air activities included the NJ QSO party and the ever popular CQ World-Wide SSB weekend. Were you a NJ party animal or get a chance to get on the air during either of these events? At the October club meeting, GCARC was recognized for the level of communications support given to the MS 150 bike event this year. See the certificate of appreciation on the “*MS-150 City To Shore Bike Ride*” page on our website. It was most appreciated. The credit all goes to you, the members of GCARC, for making events like this happen! Thank you!

October was also the month for our club’s Fall Foxhunt. It turned out to be a wonderful, fun, warm and sunny fall day! Thanks to everyone who participated, and especially to Jeff and the “fox” crew for their deviously clever hiding spot for the transmitter – which turned out to be on a forest trail by a lake, and 10 feet up in the trees! Earlier in the month, the VE team was busy with another well attended licensing exam session, and the ARES/RACES team had their hands full with the Simulated Emergency Test. If that wasn’t enough, the ARES/RACES group was back helping in our communities again later in the month, providing communications support to the Pitman Crop Walk. Thank you to all club members who dedicate a portion of their time and talents to improving the quality of life in our communities in these ways.

Enough about October; it’s now on to November! Once again there’s lots going on and plenty to look forward to! For example, have you heard? We’re going to have a GCARC holiday party again this year! Look for news about this, and more, in this edition of Crosstalk, you club’s newsletter.

Respectfully, Jim Wright, N2GXJ



Down Jersey DXing **By Bill Grim, W0MHK**

Have you been "keeping up" with last year's DX QSL confirmations??? Before we move forward to better DX conditions this fall, check back to see if your previous DX QSOs have been confirmed. Don't neglect to check both electronic and hardcopy QSLs. QSL confirmations, especially foreign envelopes, have been known to go astray. You might have to repeat-QSL some QSOs where no results have been received.

I usually note what route/QSL manager I used in my QSO log when I QSL. I can then email the station or QSL Manager for information on the status of my confirmation. I also note whether I have sent IRC's, cash, foreign stamps or used the newer OQRS online method of confirmation. If you are an LOTW subscriber, all the better. Is your confirmation with the station complete on LOTW?

Re-QSLing can be a real pain.... But, if you really need the DX card, it might be easier to send another confirmation than to work that DXCC entity again, especially on a particular band or mode. It has taken me up to three tries to finally receive a card. Luckily we're only talking about a handful of DX QSO's.

Lots of sunspot activity lately has been raising solar flux levels to some tantalizing highs. Unfortunately, those wonderful pictures of aurora you may have seen lately are affording many of these high flux counts to be less than useful to us. In spring and fall, I look to hear YB's, JA's, and BY's if conditions are really popping. A lack of the before mentioned lowers my sights on what I can probably work that day. Presently, the unsettled nature of our geomagnetic fields, some Pacific and African DX stations are still workable despite our "iffy" space weather.

Although the low bands are still often noisy, 30 and 40 Meters in particular are starting to produce more DX possibilities. VK9DLX off the east coast of Australia has been heard often here during mornings on 40 Meters. Check these bands more often as the days get shorter.

Lastly, don't put off any antenna maintenance. In November, Down Jersey weather becomes a bit "dicey" for antenna work. Remember to check guy lines for fraying, for tautness, and be sure that you secure attachments to any stakes or posts you might be using. Do any antennas need a bit of "retuning"? Maximize efficiency with some antenna checks and "tweaking" where necessary. I keep a list of SWR's on my antennas to see if there are any subtle or radical changes in readings. A little TLC now will help to peak the efficiency of your station during what could be a harsh winter.

Our DX choices this month aren't quite as plentiful as last month. Don't forget there will be many opportunities for a "new one" during the CQ World-Wide CW DX Contest on Nov. 29-30. Check the following for possible additions to your DXCC totals:

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IS-317: Introduction to Community Emergency Response Teams

<https://training.fema.gov/EMIWeb/IS/courseOverview.aspx?code=IS-317>

This article was suggested by Tom Gorman, KE2ES.

CALL	DATES	HIGHLIGHTS	DIFFICULTY (5=MOST RARE)	ENTITY
6W	11/01 - 11/06	160-10M/CW, SSB, RTTY, PSK	1	Senegal
E6	11/02 - 11/09	40-10M - 3 Modes?	3	Niue
V84YL	11/05 - 11/10	HF - YL Group	4	Brunei
KH8	11/05 - 11/18	80-10M - 3 Modes?	2	American Samoa
T88XC	11/07 - 11/16	HF/CW, SSB, Digital	3	Palau
VK0MH	11/08 - 11/22	Possible 6 Month Stint	5	Macquarie Island
VU4KV	11/15 - 11/30	160-6M/CW, SSB, RTTY/5 Stations	4	Andaman Islands
7QAA	11/20 - 12/02	160-6M/CW, SSB, RTTY	3	Malawi
V6	11/28 - 12/04	HF/3 Modes? - 2 Stations	3	Micronesia
	11/29 - 11/30	CQ World-Wide CW DX Contest		

Credits : NG3K ADXO



Our October Meeting - WOW!

By Cory Sickles, WA3UVV

October's program – which was intended as an informal set of Q&A roundtable discussions, quickly evolved into a vibrant evening of conversations that were too numerous to catalog. What this tells me is that you'd like to have some meetings without a formal program – simply to get to know each other better and have time to freely exchange ideas – face to face.

Maybe we should try this on a regular basis – perhaps quarterly to gauge interest. If so, the next opportunity would be January, so we “sync up” with June's pizza party.



This month's program is all about WWV. Sure, it's all the time – all the time, but there's more to this valuable resource than just ticking and tones.

NIST Station WWV, Fort Collins, Colorado
www.nist.gov

December's topic will be a short primer on SKYWARN – what it is and how you can be a part of it. www.erh.noaa.gov/er/phi/skywarn/index.html

Stay tuned for more...



Membership in the Gloucester County ARC

By Jim Wright, N2GXJ

(from the “Join The Club” pages of our www.w2mmd.org website)

Join The Club!

The Advantages of Membership in the **GLOUCESTER COUNTY AMATEUR RADIO CLUB**

Amateur (ham) radio is both a public service and a suite of hobbies that’s enjoyable, creative and downright fun. While hams enjoy communicating with others across the country and around the world, we also learned long ago about the importance of local friends that we could meet face-to-face. Whether you’re looking for help with a technical issue, understanding some new concept, just trying to avoid “reinventing the wheel” or looking for a place to help others by sharing knowledge you have, a club can be an extremely important resource.

For over 55 years, the Gloucester County Amateur Radio Club has grown and evolved into a successful organization that works to promote ham radio, further its enjoyment and provide communications resources to our community – for events and emergencies. Although our biggest asset is our diverse membership, we offer a few other things you might be interested in.

REPEATERS – The Club hosts four FM repeaters with coverage throughout South Jersey, Southeastern Pennsylvania and Northern Delaware. Three of our repeaters are located in Pitman. Our fourth is in Washington Twp. Our 2 Meter repeater is currently a Yaesu System Fusion C4FM FDMA repeater.

CLUBHOUSE STATION – Located on open space on the Gloucester County 4-H Fairgrounds in Mullica Hill, the Club maintains a stand-alone site with a variety of equipment and antennas, covering the range from our lowest frequencies to some of our highest. Our more competitive contest and DX enthusiasts often use the station. So do some other members that have more limited resources at home, or live in an area where homeowners associations discourage antennas. We’ve even bounced signals off the moon! The station is available to all our members. In addition, this is the location where we participate in emergency preparedness exercises, such as Field Day. In the future, we will be using the clubhouse to host training classes (i.e. Ham exam, electronic kit building, Morse Code, etc.).

NETS – Our members hold nets and roundtables at various times, such as the Thursday night “ragchew” gathering – where questions are discussed and answered. It’s amazing the wide variety of subjects that are discussed! Sunday nights at 2000 Hours, bring together those that are interested in formalizing their emergency communications capabilities through organizations like ARES and RACES. There is also a Skywarn net on Sunday nights at 1945 Hours. A digital mode roundtable is currently being formed, plus we encourage our members to create new ways for everyone to keep in touch.

ONLINE PRESENCE – The Club maintains a robust website : www.w2mmd.org , and a Facebook page at : www.facebook.com/W2MMD. Check out both sites for updates on club events and activities.

NEWSLETTER – Each month, “Crosstalk” is emailed to our membership and a copy is posted on our website. Considered one of the best ARC newsletters by many, it includes articles from contributing members that discuss technology, propagation, DXpeditions, club activities and events, and even articles of special interest.

GATHERINGS – Events like hidden transmitter “Foxhunting” result in a lively recap over lunch. Fri-

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(Continued from page 4)

days are another opportunity to break bread with friends at a local restaurant for brunch. Other opportunities pop up on occasion, too!

MEETINGS – Each month, members meet on the first Wednesday to socialize, handle Club business, make announcements and enjoy a featured guest speaker. The programs are educational and entertaining. A wide variety of subjects are covered throughout the year and members of other area clubs are encouraged to attend. Meetings are open to members and non-members. Stop in and see what ham radio is all about.

LEADERSHIP – Any organization needs leaders to help it grow and evolve into new directions and find ways to best serve its members. Along with officers and directors, we have committees and groups that help guide and support the Club. We welcome hams (and prospective hams) to join us and find ways to share their expertise. Together, we grow as an organization and as individuals.

We welcome you to learn more about us. Take a look at our website, Facebook page, and visit our meetings. If you're already licensed, join a conversation on one of our repeaters. If you have questions, please contact us so we can work to answer them. Just visit the "**Contact Us**" page on our website and submit your questions or comments.

*Ham radio is even more fun when we do it together – as the
Gloucester County Amateur Radio Club!*

Welcome New Club Member:

Marc Wade Bennett, KD2HIL, who has a Technician class license and lives in Mullica Hill, NJ.

We are glad to have you as a member of the Club and hope to see you regularly at Club events, activities, and meetings.



GCARC Holiday Party

Party, Party, Party! Last year's holiday party was so much fun, we're going to do it again! Once again, event organizer "extraordinaire" Phyllis, W2PDB, has volunteered to get the ball rolling for us to be held in early December. Stay tuned for more details!



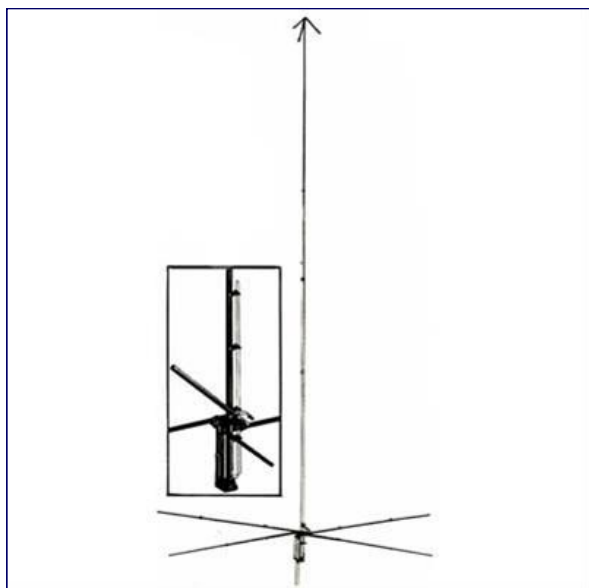
Ten Meter Transceivers – Techs Take Note

By Cory Sickles, WA3UVV

Alinco is now selling a multimode 10 meter transceiver for just under \$300. The DX-10 gives you 25W all across the band, with a form factor and front panel that looks more like something that operates about 1MHz lower. In fact, rumors are that a simple tweak can indeed, give you CB coverage.

If you have a Technician class license, remember that you do have some HF privileges. Ten meters allows you to explore SSB voice communications between 28.300 and 28.500MHz. If you plan to upgrade, then you may want to simply get an all-band HF transceiver. If not, then the DX-10 may be a good fit in your shack or car.

More information can be found at www.alinco.com or you can see it up close and personal at HRO in New Castle, DE.



BTW, the Hy-Gain SPT-500 is a nice vertical that can be used on 12, 10 and yes, 11 meters. It has some gain and a low angle of radiation – all for a reasonable price. I’ve had one for a little over a year and it has performed well.

Club Elections - 2014

By Jim Wright, N2GXJ

We will be accepting nominations again at the November 5 club meeting for open club leadership positions for 2015. After this meeting, nominations will close, with elections to be held at the December club meeting.

Note that in addition to elected positions, there are various volunteer committee opportunities available for next year, including positions in support of two major club events for next year:

- **2015 Field Day**
- **Planning for our 2015 hamfest**

If you have not already, let Jim Wright know how you might be able to “step up” and give back for the benefit of your club in 2015.



A Little Light Humour

I have been in many places, but I've never been in Cahoots. Apparently, you can't go alone. You have to be in Cahoots with someone.

I've also never been in Cognito. I hear no one recognizes you there.

I have been in tolerable, but they couldn't put up with me there. ((:-))-((:-))-

I have, however, been in Sane. They don't have an airport; you have to be driven there. I have made several trips there, thanks to my friends, family and work.

I would like to go to Conclusions, but you have to jump, and I'm not too much on physical activity anymore.

I have also been in Doubt. That is a sad place to go, and I try not to visit there too often.

I've been in Flexible, but only when it was very important to stand firm.

Sometimes I'm in Capable, and I go there more often as I'm getting older.

One of my favorite places to be is in Suspense! It really gets the adrenalin flowing and pumps up the old heart! At my age I need all the stimuli I can get!

I may have been in Continent, but I don't remember what country I was in. It's an age thing.

Author Anon A Moose

From CQ-DATV Magazine – Issue 14

Submitted by Cory Sickles, WA3UVV

Test Your Knowledge

The world of HF opens to those with a General class amateur radio license or higher. Are you already a member of the “HF” club? As a refresher for those that already have are, and as inspiration for those studying to become one, this month’s “Test Your Knowledge” section puts the focus on some basic Electrical Principals from the questions you will find in the General class license pool. For these 5 questions, answers appear later in this edition of Crosstalk. For study purposes, the full text of all questions (with answers) can be found for free via the “Get Your Ham Ticket” tab on the left side of our club’s website, www.w2mmd.org. Good luck!

- **G5C05:** If three equal value resistors in parallel produce 50 ohms of resistance, and the same three resistors in series produce 450 ohms, what is the value of each resistor?
- **G5C04:** What is the total resistance of three 100 ohm resistors in parallel?
- **G5C09:** What is the capacitance of three 100 microfarad capacitors connected in series?
- **G5C08:** What is the equivalent capacitance of two 5000 picofarad capacitors and one 750 picofarad capacitor connected in parallel?
- **G5C10:** What is the inductance of a 20 millihenry inductor in series with a 50 millihenry inductor?

Answers on page 17

Clubhouse Replacement Project Audit

By Jim Wright, N2GXJ

As many will recall, we celebrated a grand opening for our new clubhouse in conjunction with field day earlier this year. What an accomplishment! As some may realize, even though we have made the transition from clubhouse replacement to clubhouse operations, there is still some work left to be done. For example, we need to keep the water pipes from freezing by installing electrical heating tape and insulation before winter sets in. But before progressing with further enhancements, it made sense to make sure everything was accounted for and we knew where we stood today before contemplating and prioritizing what might be next. The board of directors authorized an audit for the clubhouse replacement project, selecting former club treasurer Ken Newman, N2CQ, for this task. Though Ken was basically done with his audit over a month ago, we made a decision to waiting until all receipts were in and invoices paid, such as for the previously delivered trailer skirting, before closing out the books. I’m pleased to report that Ken says that has now happened, and the audit has been able to be completed.



In summary, it is all good news. The project came in under budget, with the club membership having authorized more money for the project than was actually spent, and we had receipts to cover more than all of the expenses. These are very positive results. This is a tribute to everyone who has been involved with this substantial club project over the past several years. Thank you everyone involved for your dedication, honesty, perseverance, and generosity in getting the job done right for the long-term benefit of our club. Thank you for this clubhouse that our club can now enjoy for many years to come!

Google to test millimeter wave transmissions in 71-76 GHz and 81-86 GHz bands

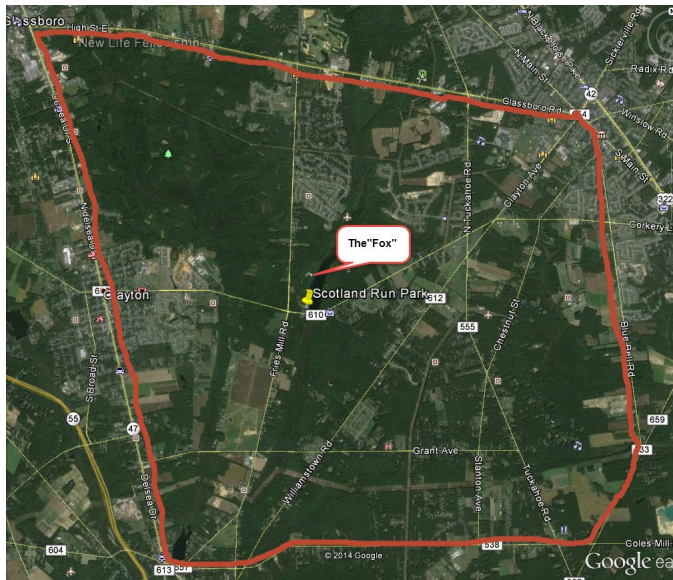
http://www.fiercewireless.com/tech/story/google-test-millimeter-wave-transmissions-71-76-ghz-and-81-86-ghz-bands/2014-10-16?utm_campaign=+SocialMedia

This article was suggested by Tom Gorman, KE2ES.

Fall Fox Hunt 2014

Hunt Area:

- East of Route 47 Delsea Drive
- West of Route 633 Blue Bell Road
- South of Route 322 Glassboro Road
- North of Route 538 Coles Mill Road



The "Fox" was taped on top of a 15 foot aluminum pole hidden in a stand of trees on a secluded forest trail next to Wilson Lake in the park



Pictured from left to right:

- Wade Bennett, KD2HIL with Max - 4th Place Winner
- Jeff Garth, KC2WCS
- Al Arrison, KB2AYU - 2nd Place Winner
- Mark Harris, KC2VEF
- Chuck Lanard, KD2EIB - 3rd Place Winner
- Dan Tremolini, N2TXG
- Jim Wright, N2GXJ - 1st Place Winner



The Fox Team: Jeff Garth, KC2WCS
Mark Harris, KC2VEF
Dan Tremolini, N2TXG



Hunt Location:
Scotland Run Park
Clayton, NJ



Regional Yaesu System Fusion Repeaters

Location	City	Callsign/Club	Frequency	Off-Set	PL Tone
Atlantic County, NJ	Atlantic City	K2ACY	447.575 MHz	Minus	156.7 Hz
Calvert County, MD	Sunderland	K3CAL/CARC	146.985 MHz	Minus	156.7 Hz
Camden County, NJ	Runnemede	WA2WUN	147.225 MHz	Plus	192.8 Hz
Camden County, NJ	Blue Anchor	KB2AYS	445.125 MHz	Minus	91.5 Hz
Centre County, PA	Philipsburg	W3PHB/PARA	146.430 MHz	Plus 1 MHz	173.8 Hz
Charles County, MD	La Plata	KA3GRW/CCARC	443.700 MHz	Plus	179.9 Hz
Gloucester County, NJ	Pitman	W2MMD/GCARC	147.180 MHz	Plus	131.8 Hz
Lancaster County, PA	Holtwood	KX3B	146.745 MHz	Minus	114.8 Hz
Ocean County, NJ	Toms River	W2DOR/JSARS	146.910 MHz	Minus	127.3 Hz
Philadelphia County, PA	Roxborough	W3QV/Phil-Mont	444.800 MHz	Plus	186.2 Hz

100 Watts at the Clubhouse Station with an ICOM IC-751A

By Mark Gottlieb, WA2DIY

Date	Time	Call	Band	Freq	Mode	Grid	Country	Comments
10/19	01:55	TX7G	20M	14.197	SSB	BI91we	Marquesas Islands	Marquesas Islands Dxpedition 2014
10/19	01:02	DR60INN	40M	7.142	SSB	JN68je	Germany	Sylvia Wagner (DK9MW)
10/19	00:35	PF4T	20M	14.302	SSB	JO22um	Netherlands/Curaco	Tom Braam
10/18	23:54	JA8COE	15M	21.260	SSB	QN13er	Japan	TAKA Masaaki Takahashi
10/18	23:33	V55JOTA	20M	14.296	SSB	JG87mj	Namibia	Scouts of Namibia/Pfadfinder (JOTA)
10/18	23:20	K0LEW	20M	14.238	SSB	DN84jb	United States	Lewis W Rohrer
10/18	23:13	SU8JOTA	20M	14.192	SSB	JJ00aa	Egypt	JOTA - The 57 th Jamboree On The Air 2014





First Time Visit To ARRL Headquarters

By Jim Wright, N2GXJ

As you might know, I travel up to the Boston area on occasion. On a recent trip, my wife and I scheduled an extra day on the way up to spend doing touristy things in the Hartford Connecticut area. After seeing the road side sign on numerous trips and always wondering what it was all about, our main objective was to visit the historic Webb-Deane-Stevens house and museum in Wethersfield. But we had some extra time, so we were able to stop first at the ARRL headquarters in nearby Newington.

The GPS had no problems finding the address, and the buildings were unmistakable when we got there. On one side of the parking lot was the headquarters building, and on the other side is the iconic Hiram Percy station I'd seen in so many pictures. We started with the headquarters building, and were greeted at the entrance by volunteer tour guide Dan Arnold (W1CNI), that, despite his University of Michigan jacket he was wearing (boo!) turned out to be an OK guy.

The tour took us throughout the working office complex, offering a peek at the new product testing area (was empty this day, else they would not have shown us this room), an employee's-only ham radio station, a mini-museum of amateur radio equipment and heritage, and stops in various offices including the VEC office where all new license applications and upgrade requests are handled, and in the outgoing QSL service where thousands of QSL cards were being sorted to be distributed to different countries around the world.

The headquarters tour ended back where it started, at the entrance, where there was also a souvenir shop set up offering all the items ARRL had to offer through their online purchases including study guides, antenna books, logo shirts and clothing, and other ham radio merchandising. After visiting the main office, we stopped in briefly at the Percy station, but it was getting late, and I really didn't have the time to operate on this visit. Maybe next visit. If you're in the area, it's worth stopping in. It gave me a better appreciation for all that the ARRL has been, and continues to be involved in to make this amateur radio thing we enjoy possible.



(photo Rose Anne Lawrence, KB1DMW
ARRL QSL Bureau manager)



(photo with Maria Somma, AB1FM, VEC manager)



North Augusta Belvedere Radio Club prepares for Ham Radio Field Day

By Bill Szkromiuk, W4WCS



**A couple of plaques
recently won by
Kenny Denson,
WB2P**



**Jim Wright,
N2GXJ
at the ARRL
Headquarters**



W1AW Portable Centennial QSO Party Operations

DATES	CALL	LOCATION
10/29 - 11/04	W1AW/1	Massachusetts
10/29 - 11/04	W1AW/7	Wyoming
10/29 - 11/04	W1AW/KP2	US Virgin Islands
11/05 - 11/11	W1AW/7	Washington
11/05 - 11/11	W1AW/0	Kansas
11/05 - 11/11	W1AW/KH8	American Samoa
11/12 - 11/18	W1AW/1	Rhode Island
11/12 - 11/18	W1AW/5	Mississippi
11/12 - 11/18	W1AW/KH8	American Samoa
11/19 - 11/25	W1AW/4	Florida
11/19 - 11/25	W1AW/5	Arkansas
11/26 - 12/02	W1AW/3	Delaware
11/26 - 12/02	W1AW/5	Louisiana
11/26 - 12/02	W1AW/KP4	Puerto Rico

November Birthdays

Congratulations to these
members celebrating birthdays

Clinton Beckett WB3EHB
 Fr. Brian Burgess KD4UTL
 Robert Durham W2RAD
 Robert Fields KC6AOH
 Jeffrey Griffin KB2M
 James Hannon KC2SNI
 Robert Harrison WA3KOL
 Ted Kiefer N2EBB
 Ernest Kraus KD2EAV
 Charles Lanard KD2EIB
 Howard Marder WA2IBZ
 Raymond Martin W2RM (President 1979)
 Anthony Otlowski KD2AFY
 Cory Sickles WA3UVV (President 1993)
 Martin Wilt W2ILT

Past Presidents:

Russel Glans N2ASV (1983) (SK)
 John Fisher K2JF (1988) (SK)

Silent Keys:

Henry Basch N2DJN
 Peter Butler WB2B
 Ernest Garside WA2TDI
 George Hankins N2CFW
 Eleanor Mattison N2JXS



Crosstalk Submissions

This is your Club newsletter. Make use of it.

Feel free to contribute general interest articles and ideas for articles.

All submissions, queries, comments and editorials should be addressed to
Jeffrey Garth, KC2WCS at [jeff.garth <at> comcast.net](mailto:jeff.garth@comcast.net).

Submission deadline for the December issue: Wednesday, November 19, 2014

Club Website <http://www.w2mmd.org>
 Club E-Mail Reflector: gcarc@mailman.qth.net

**New York QSO Party
October 18, 2014**

Call: N2CQ
Operator (s) : N2CQ
Station: N2CQ

Class: SOCW LP
QTH: SNJ
Operating Time (hrs):
Location: Out of State/Province

Summary: Compare Scores

Band	CW Qs	Ph Qs	RTTY Qs	PSK31 Qs
160:	0	0	0	0
80:	18	0	0	0
40:	57	0	0	0
20:	12	0	0	0
15:	0	0	0	0
10:	0	0	0	0
6:	0	0	0	0
2:	0	0	0	0

Total: 87 0 0 0

Mults = 39

Total Score = 6,786

Club: Frankford Radio Club

**Pennsylvania QSO Party
October 11, 2014**

Call: N2CQ
Operator (s) : N2CQ
Station: N2CQ

Class: Single Op CW QRP
QTH: SNJ
Operating Time (hrs): 3
Location: Out of State/Province

Summary: Compare Scores

Band	CW Qs	Ph Qs	RTTY Qs	PSK31 Qs
160:	0	0	0	0
80:	30	0	0	0
40:	35	0	0	0
20:	0	0	0	0
15:	0	0	0	0
10:	0	0	0	0
6:	0	0	0	0
2:	0	0	0	0

Total: 65 0 0 0

Mults = 34

Total Score = 10,440

Club: Frankford Radio Club

Comments: 8 QSOs with W3TDF

**New York QSO Party
October 18, 2014**

Call: WB2P
Operator (s) : WB2P
Station: WB2P

Class: SOSSB HP
QTH: NJ
Operating Time (hrs):
Location: Out of State/Province

Summary: Compare Scores

Band	CW Qs	Ph Qs	RTTY Qs	PSK31 Qs
160:	0	0	0	0
80:	0	14	0	0
40:	0	141	0	0
20:	0	0	0	0
15:	0	0	0	0
10:	0	0	0	0
6:	0	0	0	0
2:	0	0	0	0

Total: 0 155 0 0

Mults = 52

Total Score = 8,060

Club: Frankford Radio Club

**Pennsylvania QSO Party
October 11, 2014**

Call: WB2P
Operator (s) : WB2P
Station: WB2P

Class: Single Op LP
QTH: SNJ
Operating Time (hrs):
Location: Out of State/Province

Summary: Compare Scores

Band	CW Qs	Ph Qs	RTTY Qs	PSK31 Qs
160:				
80:				
40:				
20:				
15:				
10:				
6:				
2:				

Total: 0 253 0 0

Mults = 67

Total Score = 18,751

Club: Frankford Radio Club

Comments: Total score includes bonus points. My first PA County Sweep!!! CMB was last county needed.

**Pennsylvania QSO Party
October 11, 2014**

**Call: W2YC
Operator (s) : W2YC
Station: W2YC**

**Class: Single Op HP
QTH: SNJ
Operating Time (hrs): 9
Location: Out of State/Province**

Summary: Compare Scores

Band	CW Qs	Ph Qs	RTTY Qs	PSK31 Qs
------	-------	-------	---------	----------

160:	0	0	0	0
80:	22	61	0	0
40:	84	129	0	0
20:	1	0	0	0
15:	0	2	0	0
10:	0	1	0	0
6:	0	0	0	0
2:	0	0	0	0

Total: 107 193 0 0

Mults = 67

Total Score = 272,690

Club: Frankford Radio Club

**California QSO Party
October 04, 2014**

**Call: W2YC
Operator (s) : W2YC
Station: W2YC**

**Class: SO Fixed HP
QTH: NJ
Operating Time (hrs): 15
Location: Out of State/Province**

Summary: Compare Scores

Band	CW Qs	Ph Qs	RTTY Qs	PSK31 Qs
------	-------	-------	---------	----------

160:	0	0	0	0
80:	2	0	0	0
40:	35	33	0	0
20:	85	57	0	0
15:	91	126	0	0
10:	40	32	0	0
6:	0	0	0	0
2:	0	0	0	0

Total: 253 248 0 0

Mults = 57

Total Score = 71,535

Club: Frankford Radio Club

**CQ Worldwide DX Contest
September 27, 2014**

**Call: W2YC
Operator (s) : W2YC
Station: W2YC**

**Class: SOAB HP
QTH: NJ
Operating Time (hrs): 18
Location: USA**

Summary: Compare Scores

Band	QSOs	State/Prov	DX	Zones
------	------	------------	----	-------

80:	54	31	5	7
40:	165	39	43	14
20:	250	42	56	18
15:	449	34	91	28
10:	157	16	62	23

Total: 1075 162 257 90

Total Score = 1,338,670

Club: Frankford Radio Club

Happy Thanksgiving



Regional Hamfest and Events

November 2, 2014 : Washington Amateur Communications - WACOM 2014 Hamfest; Washington County Fairgrounds, 2151 North Main Street, Washington, PA. www.wacomarc.org

November 15 - 23, 2014 : 151st Anniversary of Lincoln's Gettysburg Address; 24.945, 18.150, 14.260, 7.185 MHz; East Berlin, PA. www.qrz.com/db/wo4l or www.qrz.com/db/w1g

November 16, 2014 : Jersey Shore Amateur Radio Society - Fall Hamfest 2014; Riverwood Park, Riverwood Drive and Whitesville Road, Toms River, NJ. www.jsars.org

November 22, 2014 : New Jersey Antique Radio Club - Fall Swap Meet; Parsippany PAL Building, 33 Baldwin Road, Parsippany, NJ. www.njarc.org

November 28, 2014 : Fair Lawn Radio Emergency Service - Auction; Fair Lawn Senior Center, 11-05 Gardiner Road, Fair Lawn, NJ. www.flres.net

Interim Ebola Virus Disease Guidance for 9-1-1 PSAPs, EMS and Medical First Responders Now Available

<http://psc.apcointl.org/2014/10/03/interim-guidance-for-ems-systems-and-9-1-1-public-safety-answering-points-psaps-for-management-of-patients-with-known-or-suspected-ebola-virus-disease-in-the-united-states/>

This article was suggested by Tom Gorman, KE2ES.

Say Good Bye to the Last Vacuum Tube Product

<http://electronicdesign.com/blog/say-good-bye-last-vacuum-tube-product>

Answers (Test Your Knowledge)

- **G5C05:** If three equal value resistors in parallel produce 50 ohms of resistance, and the same three resistors in series produce 450 ohms, what is the value of each resistor? 150 ohms
- **G5C04:** What is the total resistance of three 100 ohm resistors in parallel? 33.3 ohms
- **G5C09:** What is the capacitance of three 100 microfarad capacitors connected in series? 33.3 microfarads
- **G5C08:** What is the equivalent capacitance of two 5000 picofarad capacitors and one 750 picofarad capacitor connected in parallel? 10750 picofarads
- **G5C10:** What is the inductance of a 20 millihenry inductor in series with a 50 millihenry inductor? 70 millihenrys

How'd you do?

Contest Calendar

For more information on the contests, please go to the WA7BNM Contest Calendar website:
<http://www.hornucopia.com/contestcal/>

November 2014

+ IPARC Contest, CW	0600Z-1000Z, Nov 1 and 1400Z-1800Z, Nov 1
+ Ukrainian DX Contest	1200Z, Nov 1 to 1200Z, Nov 2
+ Himalayan Contest	1200Z, Nov 1 to 1200Z, Nov 2
+ NA Collegiate ARC Championship, CW	2100Z, Nov 1 to 0300Z, Nov 3
+ ARRL Sweepstakes Contest, CW	2100Z, Nov 1 to 0300Z, Nov 3
+ IPARC Contest, SSB	0600Z-1000Z, Nov 2 and 1400Z-1800Z, Nov 2
+ High Speed Club CW Contest	0900Z-1100Z, Nov 2 and 1500Z-1700Z, Nov 2
+ DARC 10-Meter Digital Contest	1100Z-1700Z, Nov 2
+ ARS Spartan Sprint	0200Z-0400Z, Nov 4
+ CWops Mini-CWT Test	1300Z-1400Z, Nov 5 and 1900Z-2000Z, Nov 5 and 0300Z-0400Z, Nov 6
+ NRAU 10m Activity Contest	1800Z-1900Z, Nov 6 (CW) and 1900Z-2000Z, Nov 6 (SSB) and 2000Z-2100Z, Nov 6 (FM) and 2100Z-2200Z, Nov 6 (Dig)
+ NCCC RTTY Sprint	0145Z-0215Z, Nov 7
+ ARRL EME Contest	0000Z, Nov 8 to 2359Z, Nov 9
+ WAE DX Contest, RTTY	0000Z, Nov 8 to 2359Z, Nov 9
+ 10-10 Int. Fall Contest, Digital	0001Z, Nov 8 to 2359Z, Nov 9
+ JIDX Phone Contest	0700Z, Nov 8 to 1300Z, Nov 9
+ OK/OM DX Contest, CW	1200Z, Nov 8 to 1200Z, Nov 9
+ Kentucky QSO Party	1400Z, Nov 8 to 0200Z, Nov 9
+ CQ-WE Contest	1900Z, Nov 8 to 0500Z, Nov 10
+ CWops Mini-CWT Test (20 wpm)	1300Z-1400Z, Nov 12 and 1900Z-2000Z, Nov 12 and 0300Z-0400Z, Nov 13
+ RSGB 80m Club Sprint, SSB	2000Z-2100Z, Nov 12
+ NCCC RTTY Sprint	0145Z-0215Z, Nov 14
+ SARL Field Day Contest	1000Z, Nov 15 to 1000Z, Nov 16
+ All Austrian 160-Meter Contest	1600Z, Nov 15 to 0700Z, Nov 16
+ NA Collegiate ARC Championship, SSB	2100Z, Nov 15 to 0300Z, Nov 17
+ ARRL Sweepstakes Contest, SSB	2100Z, Nov 15 to 0300Z, Nov 17
+ Run for the Bacon QRP Contest	0200Z-0400Z, Nov 17
+ CWops Mini-CWT Test	1300Z-1400Z, Nov 19 and 1900Z-2000Z, Nov 19 and 0300Z-0400Z, Nov 20
+ NAQCC CW Sprint	0130Z-0330Z, Nov 20
+ NCCC RTTY Sprint	0145Z-0215Z, Nov 21
+ YO International PSK31 Contest	1600Z-2200Z, Nov 21
+ LZ DX Contest	1200Z, Nov 22 to 1200Z, Nov 23
+ CWops Mini-CWT Test	1300Z-1400Z, Nov 26 and 1900Z-2000Z, Nov 26 and 0300Z-0400Z, Nov 27
+ RSGB 80m Club Sprint, CW	2000Z-2100Z, Nov 27
+ NCCC RTTY Sprint	0145Z-0215Z, Nov 28
+ CQ Worldwide DX Contest, CW	0000Z, Nov 29 to 2400Z, Nov 30

2014 Club Officers - 1 year term

President :	Jim Wright, N2GXJ
Vice President :	Cory Sickles, WA3UVV
Treasurer :	Al Arrison, KB2AYU
Recording Secretary :	Sheldon Parker, K2MEN
Corresponding Secretary :	Bart Conrad, KC2WVP

Board of Directors - 3 year term

Chuck Colabrese, WA2TML	(2012-2014)
Dave MacDonald, WB3JOY	(2012-2014)
Jeffrey Garth, KC2WCS	(2013-2015)
Mark Townsend, W2OCY	(2013-2015)
Dan Tremolini, N2TXG	(2014-2016)
John Zaruba Jr, K2ZA	(2014-2016)

Trustees - 4 year term

Ray Schnapp, WB2NBJ	(2011-2014)
Martin Wilt, W2ILT	(2012-2015)
Ray Martin, W2RM	(2014-2016)
Brian Jones, KD2BXD	(2014-2017)

Committee Chairs

Awards and Contests	Kenny Denson, WB2P
Budget	Al Arrison, KB2AYU
Clubhouse Replacement Project	Ray Martin, W2RM
Clubhouse Site	Al Arrison, KB2AYU
Club License Trustee	Darrell Neron, AB2E
Club Publications	Jeffrey Garth, KC2WCS
Community Outreach	Cory Sickles, WA3UVV
- Scout Liaison	Frank Simila, KC2SJ
Constitution and By-Laws	Ron Block, NR2B
Database	Ken Newman, N2CQ
DX	Bill Grim, W0MHK
Emergency and Public Service	Joe Shevlin, KC2PHM
- ARES/RACES	Joe Shevlin, KC2PHM
- CERT	Martin Wilt, W2ILT
Field Day Co-Chairs	Mark Townsend, W2OCY and Kyle Townsend, W2KBT
Hamfest	Tom Gorman, KE2ES
- Hamfest Contact	Cory Sickles, WA3UVV
Health and Welfare	Ray Martin, W2RM
Historian	Jeffrey Garth, KC2WCS
Hospitality	Dave MacDonald, WB3JOY
Membership	Cory Sickles, WA3UVV and Ray Schnapp, WB2NBJ
Nominations	Jim Wright, N2GXJ
Programs	Cory Sickles, WA3UVV
Publicity	Cory Sickles, WA3UVV
Repeaters	Al Arrison KB2AYU
Special Services	Darrell Neron, AB2E
Technical and TVI	Cory Sickles, WA3UVV
VEC Liaison and License Testing	Gary Reed, N2QEE



Facebook Page



w2mmd.org

The W2MMD Repeaters

Output: 147.180 MHz
Input: 147.780 MHz
Offset: +600 kHz - PL: 131.8 Hz
(Conventional FM plus C4FM Capability)

Output: 442.100 MHz
Input: 447.100 MHz
Offset: +5 MHz - PL: 131.8 Hz

Output: 1284.400 MHz
Input: 1272.400 MHz
Offset: -12.0 MHz
PL Tone: None

The above 3 repeaters are all
located in Pitman, NJ
GPS: 39.728481°, -75.131088°

Output: 224.660 MHz
Input: 223.060 MHz
Offset: -1.6 MHz
PL Tone: 131.8 Hz
Location: Sewell, NJ
GPS: 39.781382°, -75.099963°

GCARC 2M Ragchew Net
Thursday, Nov. 20, 2014 @ 20:00 Hrs

SkyWarn Net
Sunday 19:45 Hrs

ARES/RACES Net
Sunday 20:00 Hrs

All Nets on 147.180 MHz Repeater

VE License Session
Thursday, Nov. 13, 2014 @ 1900 Hrs
Franklin Township Public Library
Franklinville, NJ
Gary Reed, N2QEE
[glreed49 <at> verizon <dot> net](mailto:glreed49@verizon.net)

Meeting Calendar

General Membership Meeting

19:30 Hrs, Wednesday, November 5, 2014
Pfeiffer Community Center
301 Blue Bell Road
(Main Street and Blue Bell Road)
Williamstown, NJ

Board of Directors Meeting

19:00 Hrs, Wednesday, November 19, 2014
GCARC Clubhouse
Gloucester County 4-H Fairgrounds
235 Bridgeton Pike (Rt 77), Mullica Hill, NJ

Club Meeting Program

Wednesday, November 5, 2014

All About WWV

Do you have the time?



**GCARC 11:00 am Brunch
Every Friday @
The Seven Star Diner
1890 Hurffville Road, Sewell, NJ**

Gloucester County Amateur Radio Club - P. O. Box 370 - Pitman, NJ 08071