



# CrossTalk

Issue 57:06

57 Years Of Service To Our Community

June 2016

## 2016 Club Officers

<b>President :</b>	<b>Jim Wright, N2GXJ</b>	<b>Trustees - 4 year term</b>	
<b>Vice President :</b>	<b>Michael Weldon, KB2UMJ</b>	<b>Ray Martin, W2RM</b>	<b>(2014-2016)</b>
<b>Treasurer :</b>	<b>Al Arrison, KB2AYU</b>	<b>Brian Jones, KD2BXD</b>	<b>(2014-2017)</b>
<b>Recording Secretary :</b>	<b>Bob Fields, KC6AOH</b>	<b>Bob Demola, KD2GFL</b>	<b>(2015-2018)</b>
<b>Corresponding Secretary :</b>	<b>Ron Block, NR2B</b>	<b>Mark Gottlieb, WA2DIY</b>	<b>(2016-2019)</b>

### Board of Directors - 3 year term

<b>Dan Tremolini, N2TXG</b>	<b>(2014-2016)</b>	<b>Bill Price, NJ2S</b>	<b>(2015-2017)</b>
<b>John Zaruba Jr, K2ZA</b>	<b>(2014-2016)</b>	<b>Jeffrey Garth, KC2WCS</b>	<b>(2016-2018)</b>
<b>Chuck Colabrese, WA2TML</b>	<b>(2015-2017)</b>	<b>Chuck Lanard, KD2EIB</b>	<b>(2016-2018)</b>

### *This Month's Calendar...*

**General Membership Meeting**  
Wednesday, June 1, 2016 @ 1930 Hours  
Pfeiffer Community Center

**Tech Saturday Forum**  
Saturday, June 4, 2016 @ 0900 Hours  
GCARC Clubhouse

**VE License Testing Session**  
Thursday, June 9, 2016 @ 1900 Hours  
Franklin Township Public Library  
Gary Reed, N2QEE  
*glreed49 <at> verizon <dot> net*

**Board of Directors Meeting**  
Wednesday, June 15, 2016 @ 1900 Hours  
GCARC Clubhouse

**GCARC 2M Ragchew Net**  
Thursday, June 16, 2016 @ 2000 Hours  
147.180 MHz Repeater

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

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# President's Message



What gets a Ham's attention better than the word **FREE**? Please join us at our June 1st club meeting to celebrate your membership in our club, while honoring GCARC's rich tradition of 57 years of service to our communities, at our ever-popular Pizza Night, Swap-N-Shop, Dayton Recap, and Field Day Finalization club night! Yes, you're welcome to bring a friend.

Following the business portion of the meeting, we'll finalize our field day plans for later in the month, hear all about the new goodies and experiences of Dayton from those who made the trip this year, and then enjoy some socializing over free pizza. Also, if you have any mid-year items you don't want to hold onto until our Hamfest in September to swap or sell, you are welcome to bring them to this meeting to put on a side table to show off, giving fellow club members a first chance to look at, to swap, and/or buy. What doesn't sell, you, as a club member, are welcome to get posted for free on our club's w2mmd.org web page, with pictures if you have them, under the "Swap Meet" tab. This is a great service offered by our club - thank you Jeff, KC2WCS, our web master (and new Amateur Extra – congratulations!), for setting this up!

It has been an amazing two years since the grand opening of our new Clubhouse out at the 4-H Fairgrounds during Field Day of 2014. Since then it has been a popular hangout for our monthly Tech Saturday events, Board of Director meetings, and as a special event station for both the ARRL's Centennial celebration and Original 13 Colonies On-The-Air events. A number of club members regularly visit the Clubhouse to use the setups there for DX chasing and contesting, both on HF and UHF/VHF. The alt/az antenna there has been used for satellite chasing. Signals have successfully been bounced off the moon from there. If you haven't been out to the Clubhouse in a while, we'd love for you to stop by during Field Day afternoon June 25 to say "hi" and take a look. You really should. Just this past Wednesday, I saw that the front and rear steps have been given a fresh coat of white paint, as had been the parking curbs in front of the clubhouse. Looks good! Thank you to Frank, W2FJM, who did this great work!

In the short term, we have a number of big events coming up:

1. Field Day 2016.
2. 2016 Summer Family Picnic.

**Field Day** is Saturday and Sunday, June 25 - 26. Stations go live on-air all across America at 1800 UTC Saturday (2pm our local time). Our set-up location is the grassy fields surrounding our Clubhouse in Mullica Hill, NJ. What is Field Day? It's simply the biggest on-air radio event of the year in North America. If you've never participated in Field Day before, it really is something different. With portable generators, antennas, and radios set up and operating in the field under less than ideal conditions, it's part emergency preparedness, part public relations, part educational, part contest, and a big part social event shared by you, your friends, and fellow radio club members. For many, it is a tradition, a highlight of their radio year. From helping to set up, to solving problems and getting the stations on the air, to the fun and challenge of attempting and completing 2-way contacts near and far across America through that incredible on-air radio wave chaos, to the Saturday evening dinner break, it's all good. Then, after the dinner break, yea, you know what happens then. That's when the "night shift", the "die hards", and the "iron men" settle into their seats, and take over on the low bands for some serious all night work. Come morning, as day

*President's Message - Continued on page 3*

light begins to break over the field, shadowy figures begin to emerge, crawling and staggering, out of operating shelters and tents, and makeshift beds in the back seat of their cars, to the smell of coffee and the joy of Wayne's early morning pancakes. Nothing ever is so welcome or tastes so good! Yum! Yes, there's always memories to be made, and stories to tell from field day each year. As a club member, this is your chance to share in the experience, to make some memories of your own, and help us get some points at the same time. Want to check it out? Come on out! There's lots of opportunities for bonus points, such as by operating a "free VHF station" and copying formal messages and W1AW bulletins while manning a welcome table, and things like that. We'll go over details at our next club meeting.

Ok, now on to our [2016 Summer Family Picnic](#)! The date is Saturday, July 23. The start time is 12:00 noon. The location is the fantastic Red Bank Battlefield Park here in National Park, Gloucester County right on the Delaware River. And you are invited! There will be one change, though. Our chairperson, Jennifer (KD2EYR) is now a resident of the Lone Star State! How about that? So, we'll be making this more of a "pot luck" event again. We'll miss you Jennifer! I'll have signups for what you might want to bring to share with others available at the July 6 club meeting.

Due to work travel, I missed John's presentation on D-STAR at the last club meeting. Thank you John for the presentation, and thank you everyone for covering for me on short notice! I also understand there was a demonstration of our new PA system that will be used at our Hamfest this year. Thank you to Michael, Sheldon, and to you, our members, for supporting this effort to ensure we have the best possible Hamfest experience for our guests. With such a great Hamfest tradition, and such a great venue, and now such a good audio system, perhaps we can talk about maybe using the stage in the center pavilion there for some guest speakers or presentations? It's nice to have options.

On the repeater front, our new 2M antenna is at the water tower site, but has still not yet been installed. A top-side survey has been conducted for mounting of our new 2M repeater antenna, but we do not have a scheduled date for when qualified climbers would come available to do the install. Yes, this has gone on for a while now. If things have not progressed by the next Board of Director's meeting, I'll start looking at what it would cost to hire an outside company to do the install work. I am told there is a firmware update for the repeater radio that our guys can install during the down time when it is off the air for the antenna install. We'll take care of that then too. And I've been receiving reports of intermittent behavior on the 220 repeater, though I was able to key it up the other day. Clearly that old workhorse has been showing signs of age and is probably due for a refurb/replacement. Recently there was a visit to that repeater site, but there's a padlock, and the person visiting did not have the keys to inspect further. We'll have to dig those up and take a better look ourselves before the repeater committee can make a formal recommendation.

Anyway, that's the quick summary for now. Looking forward to catching up with you more in person! Hope to see you for Free Pizza at our June 1 club meeting!

Respectfully,  
Jim Wright, N2GXJ







## Tech Saturday Forum : June 4, 2016

By John Zaruba Jr, K2ZA

0900 to 1200 Hours

### Free Transceiver Diagnostic Analysis

*Testing rigs (not just Field Day rigs, any rig) for proper transmitter operation.*

Bring your radios out this Saturday, especially if you are going to use it for Field Day. It does not matter if it is a base station, mobile, or HT. Do you have one of those Chinese radios, get it tested to see how close it is to being FCC compliant.

The Discussion Theme is a QSO starting point - a way to initiate a conversation. All Tech Saturday Forums are an open QSO of all subjects of Amateur Radio interest. All questions are welcome as well as a venue for members to show off their latest ham radio projects or gadgets. All are welcome - hams and non-hams, club members and non-club members. Take a guided tour of our clubhouse. View our HF and VHF/UHF Operation Facilities and our vast antenna farm.

The Tech Saturday Forum is held on the Saturday after the General Membership meeting. For more information, go to [www.w2mmd.org](http://www.w2mmd.org) on the Tech Saturday Forum page.

## Congratulations Michael!

By Jim Wright, N2GXJ

As you read about in last month's Crosstalk, our club's Vice President, Cory Sickles, WA3UVV, has relocated back to Pennsylvania. He hopes to be back to visit when he can, but will not be able to serve out the remainder of his term this year as our club's Vice President. He has given so much to our club in service and for the advancement of our hobby over the years. We are sorry to see him have to go, and wish him the very best. We want him to know he's always welcome to stop by whenever he's back in town.

As the remainder of Cory's term is less than one year, our Club's Constitution requires me, as President, to appoint a member to fill the unexpired term of that office, subject to the majority approval of the Board of Directors. With both the Board of Director's and Cory's approval, I am pleased to now be able to announce the promotion of **Michael Weldon, KB2UMJ**, to serve as our club's new Vice President for the remainder of this year.

Please join me in thanking Michael for his service to our club in this capacity, and congratulating him on his new position!



[www.facebook.com/W2MMD](http://www.facebook.com/W2MMD)

w2mmd.org



Facebook Page



## Field Day 2016

By Al Arrison, KB2AYU

GCARC members, please have a look at the band chairman chart below. Vinnie, N4NYY, will be on 10M Phone on Saturday only. Maybe someone could do it on Sunday? If nobody wants 10M CW and 15M CW, I would like to see someone run Digital in place of CW on those bands. Maybe Gloucester City can do 80M Phone if no club member steps up. At this time we will not be running Digital on 80,40, and 20 because of interference issues.

Wayne, WA2LET, and Frank, W2FJM, have again agreed to handle the food facilities this year. But we would all appreciate if some of our club members would volunteer to help them out. Either your time and/or bringing some side dishes, etc. would be gratefully welcomed.

Remember, everyone is invited to come out and operate for whatever amount of time you can spare. If you just want to observe and learn a few things, that's fine too.



### Field Day - June 25-26, 2016 - Band Chart

Band	Operator	Mode
2 Meters		Phone
		CW
6 Meters		Phone
		CW
10 Meters	Vinnie Sallustio, N4NYY (Sat. only)	Phone
		CW
		Digital
15 Meters	Jim Wright, N2GXJ	Phone
		CW
		Digital
20 Meters	Dan Tremolini, N2TXG	Phone
	Merrill Brown, WK2G	CW
40 Meters	Mark Gottlieb, WA2DIY	Phone
	Harry Bryant, AA2WN Sheldon Parker, K2MEN Gene Schoeberlein, AA2YO	CW
80 Meters	Gloucester City ARC ??	Phone
	John Zaruba, K2ZA	CW

# CQ Field Day, CQ Field Day, CQ Field Day!

By Jim Wright, N2GXJ

As you read about in the President's Message for this month, Field Day is June 25-26 this year. Because we want to be ready to go on the air at 18:00 UTC Saturday (2 pm local time), in accordance with Field Day rules, we allow stations to start their setup any time after 00:00 UTC Friday (8 pm Thursday, local time). Some stations will start their setup Friday afternoon. In the past, some folks have had breakfast at the Harrison House before starting setup Saturday morning. Others will just go straight to the site when they are ready, and start setting up. The Field Day Chairperson is responsible for the overall field setup. Each band chairperson is responsible for their own station setup. That includes setup time, and all equipment including shelter and operating positions, laptops and logging programs, radio, antennas, grounding rods, etc. The club has some folding tables and chairs available in the shed, in case you didn't want to bring your own. New for this year, field day safety officers will be appointed, and asked to inspect each station and complete a checklist to certify that a series of safety concerns have been adequately addressed. While one of the purposes of the event is to have fun, all participants need to practice safety as well. We are likely to have a number of visitors on site this year, making this even more important. A copy of the checklist appears on page 9. The actual cumulative setup time is less than 24 hours. Because we start setup before 18:00 UTC Saturday, we are allowed to operate 24 consecutive hours of the entire 27-hour Field Day period. For us, this means we pull the plug on stations and start collecting their logs on USB stick from their computer/laptops by 2 pm local time on Sunday.

As described in the ARRL's Field Day 2016 Rules, the object is to work as many stations as possible on any and all amateur bands (excluding the 60, 30, 17, and 12-Meter bands) and in doing so to learn to operate in abnormal situations in less than optimal conditions. A premium is placed on developing skills to meet the challenges of emergency preparedness as well as to acquaint the general public with the capabilities of Amateur Radio.

A successful field day radio contact requires each station to transfer their field day operating class and ARRL/RAC section information with each other. I'll talk about our operating class first.

The field day rules define a number of different classes for stations. The operating class consists of a number and a letter (e.g. "A", "B", "C", "D", "E", "F"). Special designations of "A-battery" or "B-battery" are used when all contacts are made using an output power of 5 watts or less, and the power source is other than commercial power mains or motor-driven generator. That's not us. We intend to operate as a Class "A" club station. The letter "A" will be our operating class in all of our radio exchanges. We qualify for this by having a group of 3 or more persons set up specifically for field day, using portable equipment in the fields surrounding our clubhouse, with all stations and antennas lying within an imaginary circle whose diameter does not exceed 300 meters (about 1000 feet), and without using facilities installed for permanent station use or using any structure installed permanently for Field Day. That means all our contacts must be made with transmitter (s) and receiver (s) operating independent of commercial power mains. Depending on output power, our total points get adjusted by a multiplier. So that we can get a "2x" power multiplier applied to our score, all of our transmitters operate with a maximum output power that does not exceed 150 watts. There is a "5x" power multiplier defined for if no contact from any station is made above 5 watts output power. That is not us. There is no "5x" bonus to any of our stations making a QRP contact in this configuration when there is any other station operating above 5 watts, so for maximum QSO counts and points, we encourage all our band chairmen to operate above QRP output levels, if they can, during this event.

*CQ Field Day - Continued on page 8*

I've talked about the letter part of the operating class, so now, back to the number part of the operating class. The number represents the maximum number of transmitters that you have set up for field day that could simultaneously be transmitting on the air. The minimum is 1. The maximum for bonus points is 20, though you could (in theory) have a number higher than that. That's not us! Typically we set up with somewhere between 5 and 7 transmitters at our field day site. Occasionally, we have exceeded 10. It just depends. Per the rules, when counting stations, a 'Get-On-The-Air' or GOTA station, if we have one, does not count in the total. Similarly, if we have a bonus VHF station, and/or a dedicated satellite station, neither of those count in the total. Our actual number is determined by the field day chairman sometime after lunch on Saturday, and then communicated to each of the band chairmen, so that all stations are using the same number value in all of our radio exchanges for the duration of field day.

And then that brings us to ARRL/RAC section. There's a printed list of two/three letter abbreviations for these. In most cases, they match the state's abbreviations. For example, "DE" is Delaware, "VT" is Vermont, "MDC" is Maryland/DC, etc. However some states are bigger than others, and some areas of the country are more densely populated than others, so there are a number of cases where the ARRL has split a single state into two or more ARRL sections.

Such is the case for us here in New Jersey and for other stations in NJ and NY that have "2" in their call signs (e.g. W2MMD). New Jersey is split into Northern NJ "NNJ" and Southern NJ "SNJ". We're in Southern New Jersey, so our ARRL/RAC section is "SNJ". New York is similarly split, but into 4 pieces (NYC/Long Island "NLI", Eastern NY "ENY", Western NY "WNY", and Northern NY "NNY"). Still following me?

The other split states include Massachusetts (EMA, WMA) = typically "1" in their callsign, Pennsylvania (EPA, WPA) = typically "3" in their callsign, Florida (NFL, SFL, and West Central FL "WCF") = "4", Texas (NTX, STX, and West TX "WTX") = "4", Washington State (EWA, WWA) = "7", and then there is the most sectioned state, California and the callsign region "6", which has 10 different section identifiers (East Bay "EB", Los Angeles "LAX", Orange "ORG", Santa Barbara "SB", Santa Clara Valley "SCV", San Diego "SD", San Francisco "SF", San Joaquin Valley "SJV", Sacramento Valley "SV", and Pacific "PAC"). Depending on your band and frequency, you might hear a bunch of these.

Putting it all together, if our number is 6, and our letter is "A", our exchange will be "6A SNJ". Phonetically, that would be "Six Alpha, Sierra November Juliette". Make sense? Don't worry. After hearing a couple exchanges, you'll get the hang of it pretty quick. Hope to see you at our site for Field Day 2016!





# ARRL Field Day Safety Officer Checklist

By Jim Wright, N2GXJ

To qualify for the 100-point Safety Officer bonus, a group must appoint a qualified person/s who are present at their site from the beginning of set-up until the end of break-down. The Safety Officer must certify in writing all of the points below. A completed, signed copy of this checklist must be included with the group's supporting documentation.

- Fuel for generator properly stored.
- Fire extinguisher on hand and appropriately located.
- First Aid Kit on hand.
- First Aid, CPR and AED trained participant/s on site for full Field Day period.
- Access to NWS alerts to monitor for inclement weather.
- Tent stakes properly installed and marked.
- Temporary antenna structures properly secured and marked.
- Site secured from tripping hazards.
- Site is set up in a neat and orderly manner to reduce hazards.
- Stations and equipment properly grounded.
- Access to means to contact police/fire/rescue if needed.
- Safety Officer is designated point of contact for public safety officials.
- Minimize risks and control hazards to ensure no injuries to public.
- Safety Officer or a qualified designated assistant was on site for the duration of the event.
- As necessary, monitoring participants for hydration and ensures an adequate water supply is available.



**Clubhouse steps with a new coat (many) of paint, plus a layer of sand on each step to prevent slippery surfaces.**

**Paint provided by the Club. The painter was Frank, W2FJM.**



## Regional Hamfests and Events

**June 5, 2016 :** Jersey Shore Amateur Radio Society Hamfest By The Shore, Riverwood Park, Riverwood Drive and Whitesville Road, Toms River, NJ. [www.jsars.org](http://www.jsars.org)

**June 11, 2016 :** Columbia-Montour Amateur Radio Club Bloomsburg Hamfest, Lime Ridge Community Center, 6405 4<sup>th</sup> Street, Lime Ridge, PA. [www.qsl.net/cm-arc](http://www.qsl.net/cm-arc)

**June 18, 2016 :** Raritan Valley Radio Club W2QW Hamfest, Piscataway High School, Lot #11/12, Hoes Lane & Behmer Road, Piscataway, NJ. [www.w2qw.org](http://www.w2qw.org)

**June 19, 2016 :** Baltimore Amateur Radio Club BARC Father's Day Hamfest, Arcadia Volunteer Fire Company Grounds, 16020 Carnival Avenue, Upperco, MD. [www.w3ft.com](http://www.w3ft.com)

**June 19, 2016 :** Old Virginia Hams Amateur Radio Club Manassas Hamfest, Prince William County Fairgrounds, 10624 Dumfries Road, Manassas, VA. [www.manassashamfest.org](http://www.manassashamfest.org)

**June 23 - 25, 2016 :** Mid-Atlantic Antique Radio Club RadioActivity 2016, Holiday Inn Hotel, 9615 Deereco Road, Timonium, MD. [www.maarc.org](http://www.maarc.org)



### Museum Ships Weekend 2016 0000Z June 4 through 2359Z June 5, 2016

The Battleship New Jersey Amateur Radio Club is sponsoring the annual Museum Ships Weekend Event.

As of May 14th, 98 ships had signed up to operate.

Go to [www.nj2bb.org/museum/](http://www.nj2bb.org/museum/) for more details on ship's QSLs and event certificates.

**Saturday, May 7, 2016**

**Mark, WA2DIY, doing a test run for Field Day**





## April 2016 South Jersey Section Manager's Report

By Skip Arey, N2EI

Our Section currently has 1,272 Full Members and 33 Associate Members

On Sunday, April 10 members of the [Gloucester City Amateur](#)

[Radio Club, NJ2GC](#), participated in the Gloucester City community clean-up program. From the left; Bob KD2EIL, Chuck KD2EIB, George WA2IHE - club VP, Ralph-no call and Frank W2JFM. Photo by Jay, KB2ADL



It's not too early to mark your calendars for the annual [Gloucester County Amateur Radio Club \(W2MMD\) Hamfest](#). This is our Section's biggest get together so you will want to join in the fun. This year's Hamfest will be held on Sunday, September 11, 2016. As always, at the Gloucester County 4-H Fairgrounds, 235 Bridgeton Pike (Route 77) Mullica Hill, NJ 08062. Gates will open for vendors and tailgaters at 6AM and to the public at 8AM. VEC testing and DXCC/VUCC/WAS Card checking will also be available. You can contact Sheldon Parker, K2MEN for more information at: [sheldonparker <at> comcast <dot> net](mailto:sheldonparker@comcast.net).

Sadly, I must report two recent Silent Keys in our Section:

Matthew L. Merry W2MAT (SK) age 87 of Moorestown passed away on April 11, 2016. Born in Lawrence, Kansas, he was a longtime resident of Moorestown. Matt was an Army Veteran serving his country during the Korean Conflict, and was a retired self-employed entrepreneur. He was a member of Maple-Shade Moorestown Lodge #281 F.&A.M., an avid ham radio operator, a member of [Burlington County Radio Club](#) and the [South Jersey Radio Association](#). Matt enjoyed dancing, fishing and hunting.

Harry Giglio, K2EQG (SK), who was a member of the [Cape May County Amateur Radio Club](#). I will be happy to post additional details about Harry if someone can provide me with the information.

Section Emergency Coordinator Tony Otlowski, W2WCC will be speaking at the [Audubon Amateur Radio Club K2AUD](#) on Wednesday, May 11, 2016 at 7PM. The Club meets at the Audubon Senior Center, Oak Street and Oakland Ave., Audubon, NJ.

By the way, congratulations to Tony W2WCC for upgrading from General to Amateur Extra Class license.

I will be heading out to the Dayton Hamvention again this year to assist in supporting the ARRL activities. Stop by the ARRL Tables and say hi if you get a chance.

It's almost Field Day time once again. If your club or group is planning on activating a station please remember to post operation at the ARRL Field Day site at: [www.arrl.org/field-day](http://www.arrl.org/field-day).

And while we are talking about Field Operations, if you or your club are planning an activation in support of the ARRL's National Parks on the Air Event, please let me know so we can tell folks throughout the

*SNJ Section Report - Continued on page 12*



Section. Don't forget to take a few pictures and send them along for our Section Facebook and ARRL pages.

New Hams in our Section for this month include:

Matthew A Williamson, KD2KTG

Andrew J Leahey, K9AJL (ex. KD2KTV)

James D Waterman, W2JDW (ex. KD2KQO)

Shiloh W Marlin, W2SHI (ex. KD2KPR)

Williams D Andrews, KD2KRV

Keith E Wallace, KD2KSK

Cynthia R Pacis, KD2KNV

Richard McBride, KD2KPP

James B Faunce, KD2KSP

Travis J Kelley, KD2KNW

William D Racko, KD2KNU

Kevin Leahey, KD2KTU

Robert F Scerbo, KD2KTT

Michael Breslin, KD2KSR

Andrzej Wojtynski, KD2KPT

Jeffrey W Smith, KD2KNT

David S Swantek, KD2KOA

Yong M Tan, KD2KNS

Edward R Majury, KD2KPS

License Upgrades in our Section for this month include:

Dean A Gross, N2AWJ to Extra

Nicholas J Dovgala-Carr, KC2UMI to Extra

William A Robinson, KD2JBJ to General

William G Mullen, KD2IPT to General

Tony Otlowski, W2WCC to Extra

73 de SKIP N2EI

**ARRL Southern New Jersey Section**

**Section Manager: T J Arey, N2EI**

**[n2ei@arrl.org](mailto:n2ei@arrl.org)**

**Field Day 1970**  
→



"HAM" OPERATOR Bill Frambes of Pitman, inside mobile trailer at the Pitman Nike missile base sends a message to another ham operator.

## Thanks to all the SNJ Hams helping out at the Air Show:

Bret KB2YJE  
Charles N2SRQ  
Chris KC2GNQ  
Chuck KD2EIB  
Dennis K2DCD  
Frank W2FJM  
Glenn KD2FFR  
John K2ZA  
Joseph KC2PHL  
Lance N2UUS  
Lee KD2DRS  
Martin W2ILT  
Mike N2MMC  
Nelson KD2DMA  
Rick N2PHI  
Robert WA3YRI  
Ross KC2YWF  
Steve W2ZXR  
Tim N2LTQ  
Tim WB9ULP  
Todd W7STR

and, of course  
**SNJ EC Tony W2WCC**

**ARRL Southern New Jersey Section**  
**Section Manager: T J Arey, N2EI**  
**[n2ei <at> arrl <dot> org](mailto:n2ei@arrl.org)**



**ARRL Ham Radio License Exam Practice Website**  
**[www.arrlexamreview.appspot.com](http://www.arrlexamreview.appspot.com)**



## Armed Forces Cross Band - how'd you do?

By Jim Wright, N2GXJ

For me, Saturday morning May 14 arrived with much anticipation. Before mid-day, I began to monitor the 60 Meter band for some of the scheduled Armed Forces stations, but all I heard were people calling the stations - not actually making QSOs with them. Frustrated, I left 60 Meters and systematically started to check each frequency in the tables from last month's Crosstalk until I found one. A ha! There was one! 7.360 MHz USB, clear as day - NWKJ calling CQ from the USS Yorktown, listening on 7.280 MHz LSB. I quickly adjusted the RX/TX frequencies split, then called. He knew someone was there, but couldn't make my callsign. Negative contact. Drats. Checking my radio settings, I realized I'd left it still on 25 watts from the night before, when I was playing digital with JT65. Easily fixed. Setting adjusted to 90 watts, and ready for his next call. He finished the QSO with another station, then called CQ again. Radio was already set, and this time he had no problem catching my call. The operator's name was Carl. He wasn't super busy at that time, so he asked me about where I was here in Southern NJ, and I was able to find out some about his operating conditions there onboard the carrier. Thank you Carl for the contact!

I ended up traveling for the rest of the day, and was not able to get back to the radio until later in the evening. Checking the charts, most of the scheduled stations were already off the air by that point, but it looked like some of the West Coast stations might still be active - so I systematically checked for them. After about 10 minutes of hunting and listening, I finally heard voices on 14.441.50 MHz. It was very hard to copy, but it sounded like NIIW. A few more minutes and I'd pieced together his listening frequency as 14.347 MHz. Lots of fading, but occasionally the signal level would jump up. I timed my callback for one of the louder CQ breaks, and he got "N2?". I called a few more times, then he responded with a much louder signal. He was operating a beam and swung it around towards me here on the East Coast, not realizing there were still some of us out this way that might try to be getting his attention, now at 0412Z on May 15. His name was also Jim. NIIW is the military callsign of the USS Midway aircraft carrier CV-41 in San Diego, CA. Long time readers of Crosstalk might recall an article back in August of 2014 describing a visit to the radio room on the Midway. Really nice to make this contact! Thank you Jim!

So that was my experience with the Armed Forces Cross Band Test this year. Two stations in the log. And none on 60 Meters. Maybe next year. Anyone else try a QSO with one of these stations, and did anyone try to receive the Secretary of Defense Message Test in one of the digital modes? If so, I'd like to hear from you at the next club meeting!

DAD

Anyone can be a Father,  
but it takes someone very special  
to be a DAD.

Happy Father's Day

# Speaking of Field Day - The Club Needs Your Help

By Jeff Garth, KC2WCS

With Field Day fast approaching, the Clubhouse and the grounds around it could use a little sprucing up.

- The Clubhouse needs a good power washing, especially the back. So if any of you are willing and able and have a power washer, just come on out and get to work. If you are still willing and able, but don't have access to a power washer, I have one you can use. There is an active water hose on the front side of the Clubhouse.
- The grounds could use a good weed whacking. So, Mr./Ms Willing/Able Club Member, be our guest. Hopefully the 4-H will mow the grass before Field Day so we won't have worry about that.

Also, while at the Clubhouse site, look around, maybe there something else you can fix. Or offer some advice on how to fix something at the site.

## For example:

- The shed needs a lot of work: doors need to be fix and/or replaced, electrical wiring needs to be fix, lights fixed, siding to be replaced and painted.
- Clubhouse gutters and downspouts fixed.
- Moulding installed inside the Clubhouse.

There is a partial to-do list on the whiteboard inside the Clubhouse.

You don't have to be a master carpenter or electrician to do some of these things. We are all Do-It-Yourselfers', that's how we got into Amateur Radio to begin with.

Mr./Ms Club Member, this is YOUR Clubhouse. It does not belong to the Officers, not the Directors, not the Trustees, nor those imaginary SELECT FEW (the CLIQUE I have been hearing about for the past 6 years).

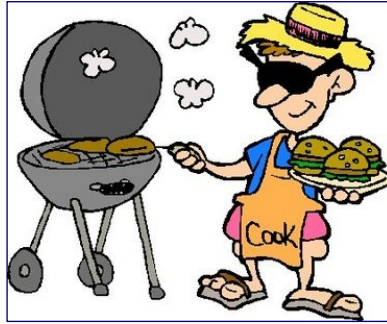
Take pride in what you have in this Club. Not too many clubs have a Clubhouse, nor even a plot of land as big as what we have. Your yearly dues helped pay for this Clubhouse.

Ok, it's time I got off this soapbox, my legs are getting a little wobbly anyway. Just come out to the Clubhouse and see what you have there, it might amaze you what has been accomplished so far and spur the D-I-Y in you to take it another step forward.

***Thanks From The Man Behind The Curtain!***

# Gloucester County Amateur Radio Club

## 2016 Summer Family Picnic



**WHEN:** Saturday, July 23, 2016  
**WHO:** All club members, spouses and family members  
**WHERE:** Red Bank Battlefield  
Hessian Avenue Pavilion  
100 Hessian Avenue  
National Park, N.J. 08063  
**TIME:** 1200 - 1600 Hours

We have reserved the Main Pavilion at Red Bank Battlefield in National Park, NJ, from 12:00 PM to 4:00 PM on Saturday, July 23, 2016. This park is located across the Delaware River from the Philadelphia airport and Navy yard. The park offers some historical interest, including the James and Ann Whitall House, and some remnants of the original Fort Mercer. Consider this an opportunity, as club members, for us and our families to “get out of the shack” for a while, to meet each other and socialize a bit in the sunshine of a great outdoor setting!

Just because we have the Main Pavilion rented for four hours doesn't mean you have to stay the whole time. You're welcome to drop in and stay for as long as you'd like while we have the pavilion rented.

As for the picnic, we'll have the basic hot dogs, burgers, buns, and standard items like catsup, mustard, and buns, along with paper plates, silverware, cups, napkins, and similar supplies covered by the club. If you'd like, you can bring a little something extra to share with others, helping to keep the costs down. We'll have sign-ups for things like coolers, ice, water and cola drinks (non-alcoholic only, park rules, please!), chips, salads, and deserts available at the June and July club meetings to help make sure we have everything covered without too much overlap.

We'll post updates to the club website, and will have a chance to talk some more about the picnic at the upcoming June and July club meetings. If there are other questions, please see Jim Wright, N2GXJ, at the next club meeting or email him.

**Turn Over for Directions to Red Bank Battlefield**

**Directions to RED BANK BATTLEFIELD**  
**100 Hessian Avenue**  
**National Park, NJ**

***From Philadelphia & points North:***

1. Take the North-South Freeway (Route 42) to I-295 South.
2. Exit 23 "National Park" make right onto Hessian Avenue (County Route 64).
3. Approximately 2 miles Hessian Avenue ends at the Park entrance.

***From points South:***

1. Take I-295 North to Exit 21 "Woodbury".
2. Make left onto Delaware Street (County Route 640).
3. Delaware Street ends at Grove Road (stop sign), County Route 643. Make right.
4. First traffic light at Hessian Avenue (County Route 642) make left Hessian Avenue ends at Park entrance.

***From points East:***

1. Take 322 West into Glassboro.
2. Make right onto Route 47 (Delsea Drive).
3. At 5 points intersection, take jug handle and continue on Route 47.
4. Take Route 47 into Deptford, at the intersection of Cooper Street (County Route 640) make a left.
5. Follow Cooper Street through Woodbury past the County Court House Cooper Street becomes Delaware Street, but remain on County Route 640.
6. Follow Delaware Street till it dead-ends at Grove Road (County Route 643), at stop sign make a right.
7. At the first traffic light, make a left onto Hessian Avenue (County Route 642). Hessian Avenue ends at Park entrance.

**GPS Heading : 39.868170°, -75.189752°**

## **SNJ Section ARES report for April 2016**

Total number of ARES members: 272

Change since last month (+, -, same): +2

Number of DEC/ECs reporting this month: 9

Number of ARES nets active: 9

Number of nets with NTS liaison:

Calls of DEC/ECs reporting: N2MHO

WX2NJ

WJ3P

KB2JCG

KE2ES

N2SRQ

KC2GNQ

K2CSA

AC2NJ

Number of drills, tests and training sessions this month: 34

Person hours: 104.15

Number of public service events this month: 3

Person hours: 22

Number of emergency operations this month: 0

Person Hours: 0

Total number of ARES operations this month: 37

Total Person hours: 141

Comments: Cumberland County; Radiological Emergency Worker Training class

Report Submitted by Tony Otlowski, W2WCC SNJ SEC

**ARRL Southern New Jersey Section**

**Section Manager: T J Arey, N2EI**

**[n2ei <at> arrl <dot> org](mailto:n2ei@arrl.org)**



## eQSL Card for Field Day 2016



**Gloucester County Amateur Radio Club**

# W2MMD



**Gloucester County ARC, PO Box 370, Pitman, NJ, 08071**



CALL SIGN

DATE

UTC

MHZ

MODE

REPORT

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## Field Day 1970



PARTICIPATING in a massive communications test staged throughout the United States and Canada recently is Ron Blakeslee of Pitman, a member of the Gloucester County Amateur Radio Club.



FIELD DAY chairman John Stull of Clarksboro (left) and Rick Carter of Pitman check an electric generator used to power the club's two-way shortwave radios used during a 27-hour drill of an emergency communications network.



**TOWN APPRECIATION 6TH ANNUAL**  
**MUSIC**  
**FESTIVAL**  
**AND FIREWORKS SHOW**

**JUNE 4TH** RAIN DATE  
JUNE 5TH

**5:00 PM TO 10:30 PM**

**ALL NIGHT ENTERTAINMENT**

**MUSIC BY:**

**VERDICT**  
**RHAGAE BAND**

**SENSATIONAL**  
**SOUL CRUISERS!!!**

**SUGAR**  
**RUSH ROCKS**

**SEA SHORE AMUSEMENTS • OVER 70 CRAFTERS • FOOD COURT**

**MAGNIFICENT FIREWORKS SHOW @ 10:00**

**WORLD'S LARGEST SHAVING CREAM PIE FIGHT 5 PM**

**BMX BIKE STUNT SHOW 6:15PM • BEER & WINE GARDEN**

**HOT AIR BALLOON RIDES - PICKED BY LOTTERY: CALL 728-1372**

**OWEN'S PARK**

**690 TUCKAHOE RD. (NEXT TO THE WILLIAMSTOWN H.S.)**

**• PLENTY OF PARKING AND SHUTTLES SERVICE FROM THE MIDDLE SCHOOL •**

**SPONSORED BY: MONROE TWP. PARKS AND RECREATION COMMISSION**



**THIS IS THE PLACE TO BE! LAST YEAR OVER 10,000 PEOPLE ATTENDED**

# NASA's Giant Space Balloon

By Jim Wright, N2GXJ

What the heck is that? The answer would be an 18.8 million cubic foot super pressure balloon (SPB) designed to remain at a near constant altitude in the stratosphere for months. The previous record for such a balloon is just over 50 days, and engineers hope to double that with this design. The balloon itself is made from 22 acres of polyethylene film. Its floating altitude is 22 miles above the Earth.

What's it for? This launch was to test and validate the SPB technology with a goal of achieving long duration flights of more than 100 days at mid-latitudes, while carrying scientific payloads that can weigh over 2000 lbs. The payload on this flight includes COSI, a gamma-ray telescope capable of studying the origin of positrons and the creation of new elements in the galaxy. Long duration flights are vital to these types of studies. Also on this flight is an infrasound experiment developed by researchers from the University of North Carolina designed to record low frequency sounds in the stratosphere believed to be new to science.

Where is it now? Can we see it? Can we bounce radio waves off of it?

Real time tracking is available at this web site: [www.csbfnasa.gov/newzealand/wanaka.htm](http://www.csbfnasa.gov/newzealand/wanaka.htm). There are also links to NASA's Super Pressure Balloons site from there. As for us seeing it, that seems unlikely for us in the Northern Hemisphere. It is predicted to stay in the southern mid-latitudes, taking anywhere from one to three weeks each time it circumnavigates the globe. Still, if you were in Australia, New Zealand, South Africa, or somewhere in South America, you would definitely be able to see it, particularly near sunrise or sunset, looking like some kind of "UFO" in the rays of the low-hanging sun.

As for bouncing radio waves off of it, if it is big enough to see, I'd guess you could - so why not? It would seem to be a possibility for stations to attempt to reflect short wavelength amateur signals off of it to achieve over-the-horizon communications. Anybody traveling south of the Equator this month, and able to give it a try?

Reference for above article:

<https://blogs.nasa.gov/superpressureballoon/2016/05/16/up-up-and-away-nasa-launches-globetrotting-super-balloon>

<https://blogs.nasa.gov/superpressureballoon/2016/05/17/super-balloon-takes-flight-from-new-zealand>

*(Photo credits to NASA)*

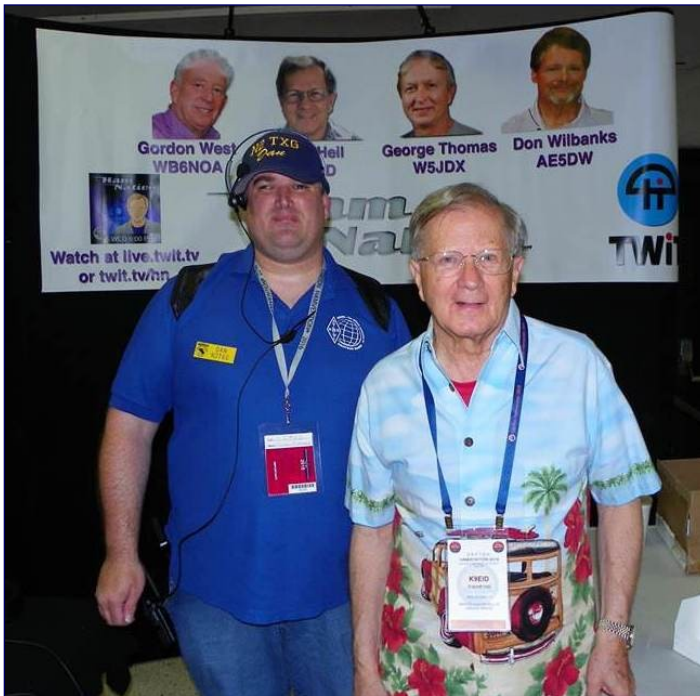
*NASA's Giant Space Balloon - Continued on page 22*



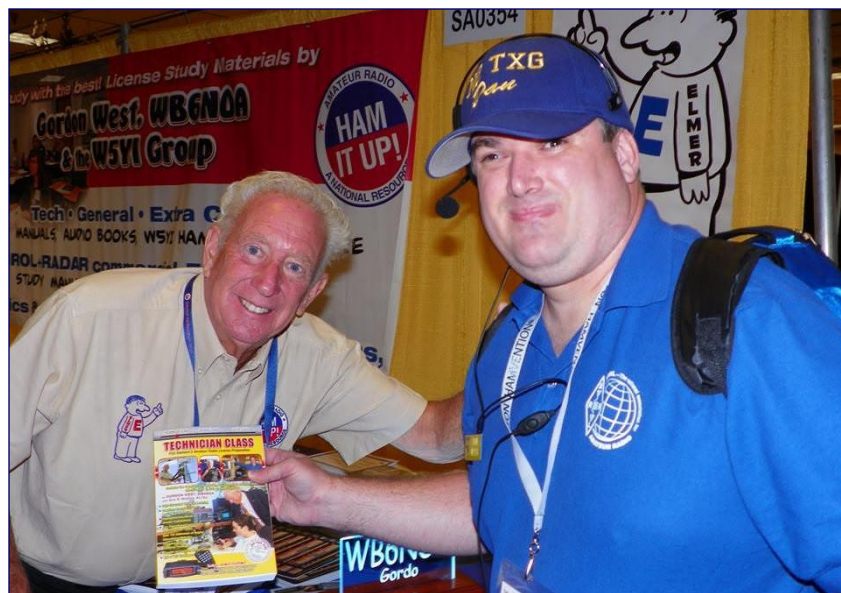




## Pictures from Dan, N2TXG, and Lee, KD2ITC, at the Dayton Hamvention



**Dan and Lee with Bob Heil, K9EID, host of Ham Nation**



**Dan with Gordon West, WB6NOA, ham radio exam instructor and Ham Nation host**



Florida QSO Party  
April 30, 2016

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

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

Summary: Compare Scores  
Band CW Qs Ph Qs

---

160:		
80:		
40:	20	0
20:	194	0
15:	23	0
10:	0	0
6:		

---

Total: 237 0 CW Mults: 62 Ph Mults: 0  
Total Score: 57,778  
Club: Frankford Radio Club

Comments: Condx not that good compared to last year,  
but the GREAT mobile Ops made it worthwhile!

*Happy Summer Solstice!*



**June 20, 2016 @ 1834 Hours**

## DA's and DIT's

**Gary Reed, N2QEE**, reports that the May 12, 2016 VE session had one candidate, it was **Jeff Garth, KC2WCS**, who upgraded to Amateur Extra. Good Job, Jeff!

**Keith Waltman, W2ERP**, is finally home after suffering a stroke in October 2015. He still has a long way to go, but being home after all this time should accelerate his recovery.

**Frank Messick, W2FJM** : A another big thank you for painting the front steps, the concrete parking barriers, and the electric power pole.

**The June 9, 2016 VE Session at the Franklin Township Library**, may be your last chance to take the Amateur Extra License exam before the new question pool takes effect on **July 1, 2016**. Both question pools are available for download on our website under the '**Get Your Ham Ticket**' page.

**Vinnie Sallustio, N4NYY**, needs a known good **6F6G** tube for an AMBC radio.

**Mark Gottlieb, WA2DIY** : Congratulations for getting his General Radiotelephone Operator License.

## Regional Yaesu System Fusion Repeaters

County, State	Location	Callsign/Club	Frequency	Off-Set	PL Tone
Atlantic County, NJ	West Atlantic City	<a href="#">W2HRW/SPARC</a>	443.250 MHz	Plus	146.2 Hz
Camden County, NJ	Blue Anchor	KB2AYS	445.125 MHz	Minus	91.5 Hz
Camden County, NJ	Cherry Hill	NJ2CH	145.370 MHz	Minus	91.5 Hz
Camden County, NJ	Cherry Hill	<a href="#">K3RJC/HARC</a>	444.900 MHz	Plus	131.8 Hz
Camden County, NJ	Cherry Hill	KB2UMJ	446.375 MHz	Minus	91.5 Hz
Camden County, NJ	Gloucester City	<a href="#">NJ2GC</a>	447.775 MHz	Minus	146.2 Hz
Camden County, NJ	Runnemede	WA2WUN	147.225 MHz	Plus	192.8 Hz
Gloucester County, NJ	Pitman	<a href="#">W2MMD/GCARC</a>	147.180 MHz	Plus	131.8 Hz
Gloucester County, NJ	Pitman	<a href="#">W2MMD/GCARC</a>	442.100 MHz	Plus	131.8 Hz
Mercer County, NJ	Lawrenceville	<a href="#">W2MER</a>	147.105 MHz	Plus	123.0 Hz
Mercer County, NJ	West Trenton	<a href="#">W2ZQ/DVRA</a>	146.670 MHz	Minus	131.8 Hz
Mercer County, NJ	West Trenton	<a href="#">W2ZQ/DVRA</a>	442.650 MHz	Plus	131.8 Hz
Ocean County, NJ	Manchester	<a href="#">WA2RES/OCARES</a>	145.170 MHz	Minus	131.8 Hz
Ocean County, NJ	Toms River	<a href="#">NJ2AR/JSARS</a>	448.625 MHz	Minus	141.3 Hz
Salem County, NJ	Pennsville	N2KEJ/SCRA	146.625 MHz	Minus	131.8 Hz
Bucks County, PA	Hilltown	<a href="#">K3DN/WARC</a>	443.950 MHz	Plus	131.8 Hz
Bucks County, PA	Sellersville	<a href="#">W3AI/RFHARC</a>	444.750 MHz	Plus	103.5 Hz
Bucks County, PA	Southampton	<a href="#">W3SK/PWA</a>	146.790 MHz	Minus	131.8 Hz
Bucks County, PA	Southampton	<a href="#">W3SK/PWA</a>	448.225 MHz	Minus	131.8 Hz
Chester County, PA	Paoli	<a href="#">WB3JOE/MARC</a>	445.675 MHz	Minus	131.8 Hz
Chester County, PA	Valley Forge	<a href="#">W3PHL/PARA</a>	443.900 MHz	Plus	131.8 Hz
Delaware County, PA	Lawrence Park	W3DI	447.375 MHz	Minus	100.0 Hz
Montgomery County, PA	Horsham	K3JJO/DRC	147.165 MHz	Plus	162.2 Hz
Montgomery County, PA	Wyndmoor	<a href="#">K3PDR/PDRA</a>	447.475 MHz	Minus	Open
Philadelphia County, PA	Philadelphia	<a href="#">WM3PEN/HARC</a>	146.685 MHz	Minus	146.2 Hz
Philadelphia County, PA	Roxborough	<a href="#">W3QV/Phil-Mont</a>	444.800 MHz	Plus	186.2 Hz
Kent County, DE	Dover	<a href="#">KC3ARC/KCARC</a>	146.970 MHz	Minus	77.0 Hz
Kent County, DE	Woodside	<a href="#">KC3ARC/KCARC</a>	146.910 MHz	Minus	77.0 Hz
New Castle County, DE	Newark	<a href="#">W3DRA/DRA</a>	146.700 MHz	Minus	131.8 Hz
New Castle County, DE	Newark	<a href="#">W3DRA/DRA</a>	449.025 MHz	Minus	131.8 Hz
New Castle County, DE	Wilmington	WA3UYJ	146.955 MHz	Minus	131.8 Hz
Sussex County, DE	Lewes	W4ALT	443.550 MHz	Plus	156.7 Hz
Sussex County, DE	Millsboro	<a href="#">WS3ARA/SARA</a>	449.825 MHz	Minus	156.7 Hz
Sussex County, DE	Selbyville	<a href="#">WS3ARA/SARA</a>	147.015 MHz	Plus	156.7 Hz

*\*New entry or update as of this issue.*

## June Birthdays

Congratulations to our members celebrating their birthday this month

**Kenneth Newman, N2CQ**  
**Kenneth Denson, WB2P**  
**Roger Jordan Sr, W4RFJ**  
**David Paster, AC2IQ**  
**James Wilson, N2SVN**  
**Glenn Showalter, WB7QBZ**



## In Memoriam June Birthdays

### Silent Keys:

Joseph Anlage, W2PH  
Joshua Brehm, AE2L  
Raymond Buirch, KB2BIG  
Philip Mattison, WA2WOD  
Charles Sketchley, K2PQD  
Francis 'Bud' Snyder, WB2TKN

**Maximilian Kolbe, SP3RN**  
**Patron Saint of Amateur Radio Operators**



## Crosstalk Submissions

*This is your Club newsletter. Make use of it.*

If you have stories or photos of your hobby that you would like to share with the Club, please do so!

We will keep covering all of the GCARC events, but it is also nice to get those personal perspectives to include in every issue.

Connecting through experiences is what makes the Gloucester County Amateur Radio Club a *REAL* club.

All submissions, queries, comments and editorials should be addressed to  
Jeffrey Garth, KC2WCS at jeff <dot> garth <at> comcast <dot> net.

Submission deadline for the July 2016 issue: Monday, June 20, 2016

Club Website [www.w2mmd.org](http://www.w2mmd.org)

Club E-Mail Reflector: GCARC <at> Mailman <dot> QTH <dot> Net



## June Contest Calendar

For more information on the contests, please go to the WA7BNM Contest Calendar website:  
[www.hornucopia.com/contestcal](http://www.hornucopia.com/contestcal)

### June 2016

+ Phone Fray	0230Z-0300Z, Jun 1
+ CWops Mini-CWT Test	1300Z-1400Z, Jun 1 and 1900Z-2000Z, Jun 1 and 0300Z-0400Z, Jun 2
+ NRAU 10m Activity Contest	1700Z-1800Z, Jun 2 (CW) and 1800Z-1900Z, Jun 2 (SSB) and 1900Z-2000Z, Jun 2 (FM) and 2000Z-2100Z, Jun 2 (Dig)
+ NCCC RTTY Sprint	0145Z-0215Z, Jun 3
+ NCCC Sprint	0230Z-0300Z, Jun 3
+ HA3NS Sprint Memorial Contest	1900Z-1929Z, Jun 3 (40m) and 1930Z-1959Z, Jun 3 (80m)
+ PVRC Reunion	0000Z-0400Z, Jun 4 (CW) and 0000Z-0400Z, Jun 5 (SSB)
+ 10-10 Int. Open Season PSK Contest	0000Z, Jun 4 to 2400Z, Jun 5
+ DigiFest	0400Z-1200Z, Jun 4 and 2000Z, Jun 4 to 0400Z, Jun 5 and 1200Z-2000Z, Jun 5
+ Wake-Up! QRP Sprint	0600Z-0629Z, Jun 4 and 0630Z-0659Z, Jun 4 and 0700Z-0729Z, Jun 4 and 0730Z-0800Z, Jun 4
+ SEANET Contest	1200Z, Jun 6 to 1200Z, Jun 7
+ UKSMG Summer Contest	1300Z, Jun 4 to 1300Z, Jun 5
+ IARU Region 1 Field Day, CW	1500Z, Jun 4 to 1459Z, Jun 5
+ RSGB National Field Day	1500Z, Jun 4 to 1500Z, Jun 5
+ Dutch Kingdom Contest	1500Z, Jun 4 to 1500Z, Jun 5
+ Alabama QSO Party	1600Z, Jun 4 to 0400Z, Jun 5
+ RSGB 80m Club Championship, Data	1900Z-2030Z, Jun 6
+ ARS Spartan Sprint	0100Z-0300Z, Jun 7
+ Phone Fray	0230Z-0300Z, Jun 8
+ CWops Mini-CWT Test	1300Z-1400Z, Jun 8 and 1900Z-2000Z, Jun 8 and 0300Z-0400Z, Jun 9
+ NCCC RTTY Sprint	0145Z-0215Z, Jun 10
+ NCCC Sprint	0230Z-0300Z, Jun 10
+ DRCG WW RTTY Contest	0000Z-0759Z, Jun 11 and 1600Z-2359Z, Jun 11 and 0800Z-1559Z, Jun 12

*June Contest Calendar - Continued on page 28*

## June Contest Calendar

For more information on the contests, please go to the WA7BNM Contest Calendar website:  
[www.hornucopia.com/contestcal](http://www.hornucopia.com/contestcal)

### *June Contest Calendar - Continued from page 27*

+ VK Shires Contest	0600Z, Jun 11 to 0600Z, Jun 12
+ Asia-Pacific Sprint, SSB	1100Z-1300Z, Jun 11
+ SKCC Weekend Sprintathon	1200Z, Jun 11 to 2400Z, Jun 12
+ Portugal Day Contest	1200Z, Jun 11 to 1200Z, Jun 12
+ GACW WWSA CW DX Contest	1500Z, Jun 11 to 1500Z, Jun 12
+ REF DDFM 6m Contest	1600Z, Jun 11 to 1600Z, Jun 12
+ ARRL June VHF Contest	1800Z, Jun 11 to 0259Z, Jun 13
+ NAQCC CW Sprint	0030Z-0230Z, Jun 15
+ Phone Fray	0230Z-0300Z, Jun 15
+ CWops Mini-CWT Test	1300Z-1400Z, Jun 15 and 1900Z-2000Z, Jun 15 and 0300Z-0400Z, Jun 16
+ RSGB 80m Club Championship, CW	1900Z-2030Z, Jun 15
+ NCCC RTTY Sprint	0145Z-0215Z, Jun 17
+ NCCC Sprint	0230Z-0300Z, Jun 17
+ All Asian DX Contest, CW	0000Z, Jun 18 to 2400Z, Jun 19
+ SMIRK Contest	0000Z, Jun 18 to 2400Z, Jun 19
+ Ukrainian DX Classic RTTY Contest	1200Z, Jun 18 to 1159Z, Jun 19
+ IARU Region 1 50 MHz Contest	1400Z, Jun 18 to 1400Z, Jun 19
+ AGCW VHF/UHF Contest	1400Z-1700Z, Jun 18 (144) and 1700Z-1800Z, Jun 18 (432)
+ Stew Perry Topband Challenge	1500Z, Jun 18 to 1500Z, Jun 19
+ West Virginia QSO Party	1600Z, Jun 18 to 0200Z, Jun 19
+ Kid's Day Contest	1800Z-2359Z, Jun 18
+ Feld Hell Sprint	2000Z-2159Z, Jun 18
+ WAB 50 MHz Phone	0900Z-1500Z, Jun 19
+ Run for the Bacon QRP Contest	0100Z-0300Z, Jun 20
+ SKCC Sprint	0000Z-0200Z, Jun 22
+ Phone Fray	0230Z-0300Z, Jun 22
+ CWops Mini-CWT Test	1300Z-1400Z, Jun 22 and 1900Z-2000Z, Jun 22 and 0300Z-0400Z, Jun 23
+ NAQCC CW Sprint	0030Z-0230Z, Jun 23
+ RSGB 80m Club Championship, SSB	1900Z-2030Z, Jun 23
+ NCCC RTTY Sprint	0145Z-0215Z, Jun 24
+ NCCC Sprint	0230Z-0300Z, Jun 24
+ Ukrainian DX DIGI Contest	1200Z, Jun 25 to 1200Z, Jun 26
+ His Maj. King of Spain Contest, SSB	1200Z, Jun 25 to 1200Z, Jun 26
+ ARRL Field Day	1800Z, Jun 25 to 2100Z, Jun 26
+ Phone Fray	0230Z-0300Z, Jun 29
+ CWops Mini-CWT Test	1300Z-1400Z, Jun 29 and 1900Z-2000Z, Jun 29 and 0300Z-0400Z, Jun 30



Club Committees	
Standing Committees	Committee Chairs
<b>Membership</b> <b>Publicity</b> <b>Hamfest</b> <b>Repeater</b> <b>Hospitality</b> <b>Club Site</b> <b>Field Day</b> <b>Nominations</b> <b>Health and Welfare</b> <b>Budget</b> <b>Constitution and By-Laws</b>	<b>Cory Sickles, WA3UVV</b> <b>Cory Sickles, WA3UVV</b> <b>Sheldon Parker, K2MEN and Bill Price, NJ2S</b> <b>Michael Weldon, KB2UMJ</b> <b>Dave MacDonald, WB3JOY</b> <b>Al Arrison, KB2AYU</b> <b>Al Arrison, KB2AYU</b> <b>Jim Wright, N2GXJ</b> <b>Ray Martin, W2RM</b> <b>Al Arrison, KB2AYU</b> <b>Ron Block, NR2B</b>
Activity Committees	Committee Chairs
<b>ARES/RACES Emergency Communications</b> <b>Club Publications</b> <b>License Testing/VEC Liaison</b> <b>Programs</b> <b>Database/Roster</b> <b>Historian</b> <b>Summer Family Picnic</b> <b>Foxhunts</b> <b>W2MMD License Trustee</b>	<b>John Zaruba Jr, K2ZA</b> <b>Jeffrey Garth, KC2WCS</b> <b>Gary Reed, N2QEE</b> <b>Cory Sickles, WA3UVV</b> <b>Jeffrey Garth, KC2WCS</b> <b>Jeffrey Garth, KC2WCS</b> <b>Jim Wright, N2GXJ</b> <b>Jim Wright, N2GXJ</b> <b>Darrell Neron, AB2E</b>

## GCARC <at> Mailman <dot> QTH <dot> Net e-mail reflector guidelines

1. **No attachments** (e.g. pictures, files) are allowed on the reflector.
2. If you have club-related pictures that you would like to share, you can send them to the webmaster, he will put them on the website and he will send out a general e-mail to all the members.
3. Otherwise, the pictures will have to be sent to the members' addresses.
4. URLs/Hyperlinks are acceptable on the reflector.
5. Do not send any messages with e-mail addresses in the **BCC (Blind Carbon Copy)** field. The message will be rejected. Use only the **To:** or **CC:** fields.
6. Members are subscribed to the reflector using the member's e-mail address from the roster database. You must use that address when sending an e-mail via the reflector.
7. If you use another address on the reflector, the message will get rejected or "*bounced*", because the reflector does not recognize that address.
8. Whenever a message sent to reflector is rejected or "*bounced*" for various reasons, the administrator has to log-in to the Mailman.QTH website and approve the message. If the admin recognizes the address as belonging to a club member, the message is accepted and passed on to the reflector.

FYI...If you use Comcast e-mail, you are limited to 100 addresses per message.

For more information about the e-mail reflector, goto : [www.mailman.qth.net](http://www.mailman.qth.net)

### 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  
(Conventional FM plus C4FM Capability)

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°

### Area Repeater Nets

SKYWARN™ Net  
Sunday @ 1945: 147.180 MHz

Gloucester County ARES/RACES Net  
Sunday @ 2000: 147.180 MHz

### Meeting Calendar

#### *General Membership Meeting*

Wednesday, June 1, 2016 @ 1930 Hours  
Pfeiffer Community Center  
301 Blue Bell Road  
(Main Street and Blue Bell Road)  
Williamstown, NJ

#### *Board of Directors Meeting*

Wednesday, June 15, 2016 @ 1900 Hours  
GCARC Clubhouse  
Gloucester County 4-H Fairgrounds  
235 Bridgeton Pike (Rt 77), Mullica Hill, NJ

### **June 1, 2016 Club Meeting**

**Pizza Party**  
**Swap 'N' Shop**  
**Dayton Recap**  
**Field Day Preview**

