



CrossTalk

Issue 57:11 57 Years Of Service To Our Community November 2016

2016 Club Officers

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

Board of Directors - 3 year term

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

This Month's Calendar...

General Membership Meeting

Wednesday, November 2, 2016 @ 1930 Hours
Pfeiffer Community Center

Tech Saturday Forum

Saturday, November 5, 2016 @ 0900 Hours
GCARC Clubhouse

VE License Testing Session

Thursday, November 10, 2016 @ 1900 Hours
Franklin Township Public Library
Gary Reed, N2QEE
glreed49 <at> verizon <dot> net

Board of Directors Meeting

Wednesday, November 16, 2016 @ 1900 Hours
GCARC Clubhouse

GCARC 2M Ragchew Net

Thursday, November 17, 2016 @ 2000 Hours
147.180 MHz Repeater

Thanksgiving Day

Thursday, November 24, 2016

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President's Message



Cubs win! Cubs win! Cubs win! The Cubs are going to the World Series! Don't get me wrong, during the regular season I am a Phillies fan, but this is the post-season. And it is the Cubbies that are there! I grew up in the north-west suburbs of Chicago, and it is hard to explain how amazing it is to hear those words. Those are words I have waited my whole life to hear! The Cubs going to the World Series? Believe it!



Welcome new members! Over the past several months, we have had the privilege of welcoming close to a dozen new members to our club. And what an exciting time for the club it is! As you read about in last month's Crosstalk, and we reviewed at our October club meeting, the club put on one of the best attended and most successful Hamfest events ever this past September. Also at our October General Membership Meeting, we had the pleasure of hearing from the inventor of the WIUL Ham-Cram.Com license study methods himself, Urb LeJeune. Thank you Urb! Who wouldn't want to study smarter, rather than harder? And for those that could not attend in person, for the first time ever, the club meeting was streamed live on the internet, thanks to club member Bruce KD2LBU who arranged the experiment. Check out comments emailed in from some of those who were watching, for their impressions of the experiment, on page 20.

On the Saturday morning following the club meeting, our Clubhouse out at the 4-H Fairgrounds in Mullica Hill was open, for anyone to stop by, as part of our monthly Tech Saturday Forum series. If you missed it this time, the next open house is November 5. Stop on in!

In October, members of our club who are also members of the ARES/RACES emergency communications group, provided radio support to the local Pitman Crop Walk. In another outdoor event, this past weekend, we held our fall hidden transmitter "fox" hunt here in Gloucester County, NJ. Al, KB2AYU got to be the fox this time, as a result of him being first to find the transmitter last time out. And this time, the fox won! Better luck hunters next time!

And fantastic news! You may also have heard that this past week, our brand new 2 Meter antenna was installed on the Pitman water tower repeater site. So get out your hand-held radios and give it a try! Our monthly on-air "rag chew" net was the first beneficiary of the new install, with check-ins accepted from stations in a number of locations. Notice any difference? Let us know at the next club meeting.

At our next club meeting on November 2nd, we'll be opening nominations for the last time for next year's club officers. Nominations close at the end of the meeting, with elections in December. In addition to the elected positions, there are a number of other ways you can help out next year. For example, know how to make coffee? Just saying, the position of hospitality chair may still be open! Let us know how you'd like to help out our club for next year.

President's Message - Continued on page 3

And finally, I'd like to introduce our guest speaker for the November meeting, Mr. TJ "Skip" Arey N2EI. Some of you may already know him as our ARRL SNJ Section Manager. Some of you might know him from his excellent explanation of the Radio Parity Act at our last club meeting. Perhaps you will recognize him as the distinguished author of the article on page 80 of the current November issue of QST (yes, we noticed!). But did you know of his passion for CW? Come on out and share what the excitement of this original digital mode is all about!

Respectfully,
Jim Wright, N2GXJ

November 2, 2016 General Membership Meeting

Skip Arey, N2EI: CW - Code, Keys, and Communication :
"My take on the CW aspects of the Amateur Radio hobby"

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Finalizing the slate of nominees for the 2017 Club Officer Elections



Tech Saturday Forum : November 5, 2016

By John Zaruba Jr, K2ZA

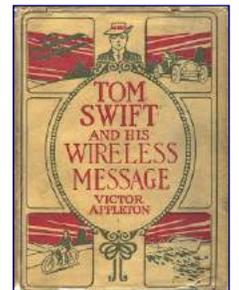
0900 to 1200 Hours

The discussion theme for this month is:

Ron Block And His Spectrum Analyzer

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Open Discussion Forum

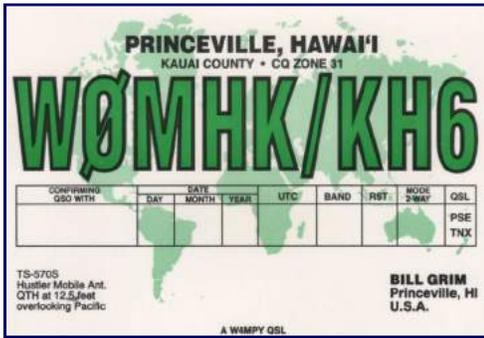


Ron Block, NR2B, will bring his spectrum analyzer to this month's Tech Saturday. So, bring your radios (mobile, HTs, etc.) to the Clubhouse and get them tested out. Time to find out if that Chinese import radio is Part 97 compliant...HIHI

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 on the Tech Saturday Forum page.



Best Down Jersey DX Picks - November 2016

By Bill Grim, W0MHK

CALL	DATES	HIGHLIGHTS	DIFFICULTY (5=MOST RARE)	ENTITY
XU7MDC	11/04 - 11/14	All Bands/Modes/20 Ops	5	Cambodia
J6	11/05 - 11/12	80-10M/All Modes	1	Saint Lucia
6V1US	11/06 - 11/16	160-6M/All Modes/7 Ops	2	Senegal
5H3NB	11/07 - 12/02	160-10M/CW, SSB, RTTY	2	Tanzania
PJ6M	11/11 - 11/18	40-10M/CW, SSB	1	Saba
J5	11/15 - 11/30	160-6M/CW, SSB, RTTY	2	Guinea-Bissau
8Q7SP	11/20 - 12/03	160-10M/CW, SSB, RTTY	3	Maldives
9Q0HQ/3	11/20 - 12/25	All Bands/SSB	3	Democratic Republic of the Congo
ZD8V	11/21 - 12/01	160-10M/CW+	2	Ascension Island
ZL7	11/24 - 12/01	160-10M/CW + Digital	3	Chatham Island
Remember!	November 26-27	CQ Worldwide DX Contest - CW		150+ Entities

Credits : NG3K Announce DX Operations : www.ng3k.com/Misc/adxo.html

Welcome New Club Members:

John Hill, W2HUV, who has an Amateur Extra Class license and lives in Sewell, NJ.

Urb LeJeune, W1UL, who has an Amateur Extra Class license and lives in Tuckerton, NJ.

David Kampfer, KE6BAP, who has a General Class license and lives in Newfield, NJ.

Joseph Lee Jr, N2BNJ, who has a General Class license and lives in Bridgeton, NJ.

Ella Lee, K2BNJ, who has a General Class license and lives in Bridgeton, NJ.

Christian Chamberlain, N2IVN, (a returning member), who has an Amateur Extra Class license and lives in Vineland, NJ. Chris is also the Southern New Jersey Assistant Section Manager for Cumberland and Salem Counties.

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



Southern New Jersey Section Manager's Report : **September 2016** **By Skip Arey, N2EI**

Our Section currently has 1,250 Full Members and 33 Associate Members

As we keep one eye on the possibility of Hurricane Matthew coming our way, our preparations for Tropical Storm Hermine at the beginning of the month should have us all ready to do our part in the event that things get "interesting". I will provide updates from HQ and our EC as they become available. Remember that you can get any reports in near real time by following the "ARRL Southern New Jersey Section for Ham Radio" Facebook page.

I have been informed by ARRL HQ that there were no competing petitions filed for the position of SNJ Section Manager. Looks like I'll be wearing the Red Badge for another term. Thanks for your continued confidence in my humble efforts.

The hamfests at the [Gloucester County Amateur Radio Club](#) and [Delaware Valley Radio Association](#) this month were successful. Congratulations to both clubs for providing these opportunities for hams to gather.

Sadly I must report that long time [Old Barney Amateur Radio Club](#) member Jim Plant KB2WNU passed away this month.

The New Jersey QSO Party was great fun this month. Congratulations to the [Burlington County Radio Club](#) for sponsoring this event. Best of luck to all who participated. I will post scores and results as soon as they are compiled.

Now that the House of Representatives has passed the Amateur Radio Parity Act, H.R. 1301, we cannot rest on our heels. We must all urge the Senate to support this Act as well. Our Section made a big push to get this bill put forward. Let's keep up the effort. Create Your Letter to our State Senators at this link: <https://arrrl.rallycongress.net/ctas/urge-senate-to-support-amateur-radio-parity-act/letter/rem>

I have received several e-mails expressing concern over the recent rates changes for the ARRL Outgoing QSL Service. I have forwarded these to HQ for consideration. Meanwhile, the new higher rates do not go into effect until November 1, so if you have any cards you want to move out at the old rates, now is the time to act.

Congratulations to **Steve Ostrove, K2SO**, appointed as ARRL Northern New Jersey Section Manager, effective September 16. I have corresponded with Steve and our two Section ECs are already in communication with him, so I look forward to great cooperation going forward.

The [Audubon Amateur Radio Club](#) turned out to support the annual MS-150 Bike Ride. Congratulations to the club and all the individual hams that gave support along the route.

The Old Barney Amateur Radio Club had a very successful fundraising event at the 34th Annual Decoy and Gunning Show.

The Gloucester County Amateur Radio Club will be providing support for the Pitman Crop Walk on October 16th.

Urb LeJeune W1UL will be sharing information about his “Ham Cram” licensing preparation program at the Gloucester County Amateur Radio Club Meeting on October 5th and the Audubon Amateur Radio Club on October 12th.

New Hams in our Section for this month:

Michael S Vagi, KD2LRC
Dennis A Colasurdo, KD2LRD - Now a General
Matthew N Gutterman, KD2LRI
Anthony S Mondelli, KD2LSJ
Ian T Thomas, KD2LRG
Roberta M Herrmann, KD2LSH
Brody Eller, KD2LRF
Zachary R Janda, KD2LRH
Evgenia White, WJ3NIA (ex.KD2LSW)
Janice M Carroll, N2JMC (ex.KD2LSI)
Richard P O'Hagan, W1ROH (ex.KD2LQC) - Now a General
Adam J Schwartz, KD2LQO
Andrew P Jasiewicz, KD2LQA

License Upgrades in our Section for this month:

Anthony Warunek, W2ASX (ex.KC2VNI) to Extra
Joseph D Barbella, KD2LMV to General
Nirav J Shah, KB3TQA to General

73 de SKIP N2EI

ARRL Southern New Jersey Section

Section Manager: T J Arey, N2EI

n2ei <at> arrl <dot> org

Facebook Page: www.facebook.com/ARRL-Southern-New-Jersey-Section-for-Ham-Radio

Regional Hamfests and Events

November 5, 2016 : New Jersey Antique Radio Club Fall Swap Meet, Parsippany Police Athletic League Building, Smith Field, 33 Baldwin Road, Parsippany, NJ. www.njarc.org

November 25, 2016 : Fair Lawn Amateur Radio Club Auction, Fair Lawn Senior Center, 11-05 Gardiner Road, Fair Lawn, NJ. www.flres.net



Saturday, February 4, 2017 at the Richmond Raceway Complex - www.frostfest.com



Southern New Jersey Section ARES Report : September 2016

By Tony Otlowski, W2WCC

SNJ Section EC Report for September 2016

Total number of ARES members: 235



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

Number of DECs/ECs reporting this month: 7

Number of ARES nets active:

Number of nets with NTS liaison:

Calls of DECs/ECs reporting: N2CSA

WX2NJ

N2SRQ

KE2ES

K2ACY

KC2GNQ

N2MHO

Number of drills, tests and training sessions this month: 23

Person hours: 61.66

Number of public service events this month: 5

Person hours: 166.5

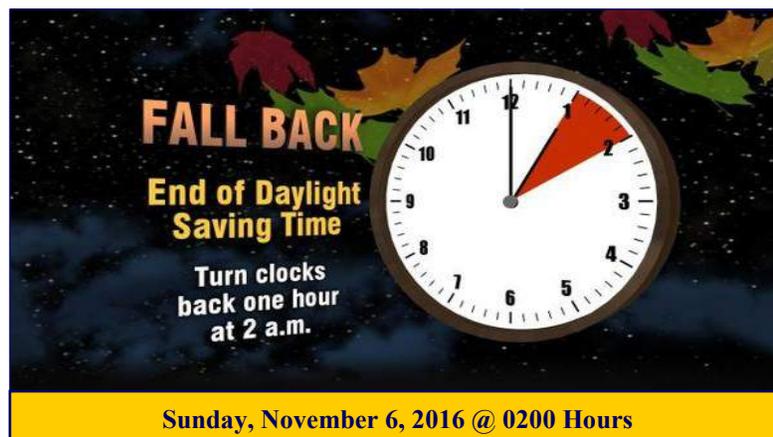
Number of emergency operations this month: 0

Person Hours: 0

Total number of ARES operations this month: 28

Total Person hours: 228.16

Comments: Supported MS150 City to Shore bike event.



The SNJ Section Team is happy to announce the appointment of **Bob Fields KC6AOH** as Assistant Section Manager for Gloucester County.

Our ASMs are now aligned as follows:

Arnold Oberson	W2OB	Atlantic County
Frank Huminski	K2SQS	Burlington County
Mark J. O'Brien	K2AX	Camden County
Timothy J. Cwik	N2LTQ	Cape May County
Bill Cole	N2CSA	Cape May County
Chris Chamberlain	N2IVN	Cumberland/Salem Counties
Bob Fields	KC6AOH	Gloucester County
Gary C. Wilson	K2GW	Mercer County
Robert W. Schenck	N2OO	Ocean County

Our ASMs give direct support to the clubs in their respective counties and coordinate Section level efforts with their County Emergency Coordinators.

ARRL Southern New Jersey Section

Section Manager: T J Arey, N2EI
n2ei <at> arrl <dot> org

QST de W1AW

ARRL Bulletin 36 ARLB036

From ARRL Headquarters

Newington CT October 7, 2016

To all radio amateurs

SB QST ARL ARLB036 Interim Section Manager Appointed in Eastern Pennsylvania

Bob Wiseman, WB3W, of Schnecksville, Pennsylvania, has been appointed as the Interim Section Manager for the ARRL Eastern Pennsylvania Section. He is fulfilling the current term of office that was declared vacant by the ARRL Executive Committee of the ARRL Board of Directors this past June. Wiseman's interim appointment continues through March 31, 2018.

According to the Rules and Regulations of the ARRL Field Organization, when a vacancy occurs between Section Manager elections, the position shall be filled by appointment by the ARRL Field Services and Radiosport Manager in consultation with the respective ARRL Division Director. In this case, Dave Patton, NN1N, Field Services and Radiosport Manager, consulted with Tom Abernethy, W3TOM, Atlantic Division Director, before making the appointment, which is effective October 5.

Wiseman brings to the helm of the Eastern Pennsylvania Section his past experience as Section Emergency Coordinator, District Emergency Coordinator and Official Emergency Station.





Thanks for the opportunity to present the W1UL Ham Cram Method

By Urb LeJeune, W1UL

It was a pleasure to meet everyone at the meeting on October 5th, and I wish you all good luck with your licensing pursuits.

I thought you might enjoy the following tutorial:

Alternative Study Strategies

Prologue

This tutorial is primarily intended for use with the W1UL Ham Cram website. Most of the suggested alternative study strategies are applicable to the study or any material.

Since the inception of the W1UL Ham-Cram.com website, when there was only test preparation for the Technician license, I have strongly advocated studying one subelement at a time. I also strongly encouraged the candidate to take the subelement's practice exam and if the candidate didn't get at least 85% correct, I recommended repeating the process until attaining a test score of at least 85%. (Each license class has 10 subelements which are basically categories.) Despite many years of college level teaching, I committed a rookie educator's mistake, which is assuming all people learn the same way I do. I like my information served in small packages with a frequent practice test to reinforce my learning. The following is a true story and points out the fallacy of my educational assumption.

An experience with a good friend drove home the point that people learn in different ways. This critique reviews different study modalities when preparing for an amateur license examination.

My Friend Jim

A good friend of mine, I'll call him Jim, passed his Advance license 34 years ago after three unsuccessful tries. He is retired military and is an avid DXer and uses CW exclusively. He takes pride in his lack of technological sophistication. He doesn't own a computer, cell phone or a GPS. I printed the entire Extra question pool for him in the format used on the ham cram website, approximately 300 questions, using the following style:

1. Question number one.

The correct answer for question one.

2. Question number two.

The correct answer for question two and so on.

After Jim had been studying the print out for a couple of weeks, I offered to bring my computer to his house so he could take a practice exam. "No way," he exclaimed, "I don't want to see an incorrect answer until I take the actual test!" I suggested he intersperse practice tests with his studying, but he adamantly refused.

Urb LeJeune - Continued on page 10

All's well that ends well. There were three candidates taking the Extra exam at Jim's VE session. He was the first to finish and had only one wrong answer the best of the three!

Is this method for everyone? I honestly don't know. You might want to try it and see if it works for you. A compromise might be to study the questions and correct answer until a day or two before the VE test. Then take a practice exam for the entire test so you get feedback on what you don't know.

Let's take a look at some other learning methods

Studying Using Multiple, or all, Subelements

Several candidates have commented on their inability to use multiple subelements to create a study session or practice test session and have all the available questions displayed. Mistake on my part, it's possible to do, but my explanation is vague.

Here is how to create a study or practice test session using multiple, or all, subelements.

Go to ham-cram.com and select either the Technician, General or Extra study session. We'll use the General study session for this example. The figure below shows the top of the General study session page.

This General question pool is effective on July 1, 2015 and expires on June 30, 2019			
<input type="text" value="35"/>	Number of question for this session. Enter "0" for all available subelement(s) questions. 35 is the number of questions on the VE test.		
Check to Include	Sub-element	Subelement Title	Question Count
<input type="checkbox"/>	All	All questions in the pool	203

The text box in the upper left corner contains the number of questions on the actual test which is 35 for Technician and General exam and 50 for the Extra exam. The first entry in the "Question Count" column is the total number of questions in the ham crams pool for that specific class of license. Select a listing for all questions in the specified ham cram pool by entering zero in the text box in the upper left corner. Next, check the first check box in the leftmost column. Lastly click on the button at the bottom of the page labeled, "Select one or more Subelements for Study."

This produces a listing of each question, followed by only the correct answer, for the entire question pool. Print the output so you have a complete listing of the entire question pool for your target license class. Take it with you and you can study when you get a few spare minutes.

We learn from using our senses: What we see, hear and touch. We won't do much touching using the ham cram site, but we could if we use the material from the Gordon West Radio School. Check it out at:

<http://www.gordonwestradioschool.com>

When you are using the ham cram study mode (Only questions likely to be on the VE test and only correct answers) read the questions and answers out loud so you are seeing the questions and answers as well as hearing them. Ideally, do the prep with a partner and have one person read the questions and the other read the answers.

On the next pass have the person who previously read the questions read the answers and the person who previously read the answers read the questions.

Make an Audio Recording of a Study Session

When reading the questions and answers, as detailed above, record them so you can play them back when on a long drive - this is called a commute in California. If you make a recording of the entire question pool and are willing to share it with other people, email a copy and I'll put it on the ham-cram.com site with full attribution to you.

Flash Cards

If you learn well using flash cards you can easily make your own. Print out the full question pool for your target license as described above. Get several packs of 3 x 5 file cards and cut the print out into questions and answers. Tape or glue the question on one side of the card and the answer on the reverse side.

When studying with flash cards alternate between reading the questions, out loud, first and then read the answers, out loud. Next, read the questions and before reading the answer try and remember the answer. Finally, read the answer and see if you can remember the question.

When you pass your target test - notice I said when, not if - make the cards available to other members of your club.

Whatever Floats Your Boat

If you have come up with any other creative ways of utilizing the ham-cram.com database please let me know.

Anecdotes

All of the October anecdotes are based on my personal knowledge. There were likely many more I didn't know about. July was an interesting month. My nine-year grandson Charlie K3CPV passed his Technician after about a week of studying. His brother Will W3WKV aced the Technician test when 11 years old and also aced the General when he was 12. Charlie is to my knowledge the youngest person to pass the Technician test using the WIUL ham cram method.

Also in July, a 78-year-old great-grandmother, I dare not use her name or call, aced the Technician. She became the oldest person, to my knowledge, to pass a test using the ham cram method.

I'm aware of eighteen people who passed both the Technician and General exams at the same time. When you pass an exam at a VE session, you can take the next higher license with no additional fee. To my knowledge, there are now 20 people who passed both the Technician and General at the same VE session and only three who attempted both and didn't pass the General portion of the duet. All three passed the General at the next VE session. It's distinctly possible there may be many others that I don't know about.

A few months back, Frank WA3FA passed the Technician, General, and Extra at the same session. He prepared using ham-cram.com. He is not the first to pass all three test at the same session, but it's exceedingly rare. Great bargain for \$15.00.

W2SBP St. Benedicts Prep Amateur Radio Club

I helped start an amateur radio club, W2SBP, at my high school alma mater. In the Spring we had nine student members who took their Technician and seven passed. Additionally of the seven who passed the technician test three also passed their General. All of them only had three weeks to prep. A faculty member, Jon KD2LEN, went from no license to Extra in two weeks.

If you have some free time, consider working with a school radio club. It's very rewarding and we desperately need young people in the hobby. When you walk into the typical ham radio club meeting from the back, it looks like a box of Q-Tips.

I would truly be interested in your personal experiences with ham-cram.com.

We just recently passed 53K preparation sessions. Thanks to all of you who helped make that possible.

73

Urb W1UL

urb <at> w1ul <dot> com



Celebrating your club's Elmers might encourage others!

By Daniel Romanchik, KB6NU

Sam, W5KF, recently sent me a link to the Elmers' page on the Norman, OK South Canadian Amateur Radio Society (SCARS) website. Not only is it a listing of the club members who have stepped forward to Elmer new members, but also provides ways to honor current and past Elmers.

This is from the SCARS newsletter:

"Elmer List on the W5NOR.org website.

"This week we talk about a brand new feature on the W5NOR web site. In the amateur radio community, an experienced amateur radio operator who mentors a new or prospective ham is commonly called an "Elmer". In our hobby, that seems to be a great way for knowledge to be transferred.

"Yes, we all have taken an FCC test to receive our license, however that's only the starting point. Remember that person that helped you set up your first radio, or gave you the courage to press the PTT button, or answered endless questions about a radio, or an antenna? That's the kind of thing we're talking about.

"Thanks to a great suggestion from Gary Skaggs WB5ULK [not sure it was my idea. – Editor], we've created the SCARS Elmer Page, located at <http://w5nor.org/elmers>, for us to celebrate Elmers; past, present, and future. We provide a place for Elmers to list their specialty, and contact information, which allows new hams to find someone they can ask questions of.

"Since this is a new section of the web site, this list is rather short. If you're willing to help others on a given topic, send a message to [n5hzz <at> arrl <dot> net](mailto:n5hzz@arrl.net) and you will be added to the list. Right now we need lots of different categories, like antennas, radio setup, HT programming, contesting, satellite operation, high power operation, test gear, building your own gear, repairing radios, APRS, D-Star, DMR, CW, logging, etc. oh well, you get the idea.

"You don't need a PhD to be listed here. You just need a willingness to help others in a given area. It's OK to be a new ham, and be listed here. You may have just struggled through your first space contact, but you'll have infinitely more knowledge than the person who's been a ham for 40 years, and has never tried that portion of the hobby.

"Also, there is a link to the "ARRL Elmer Award" page of the American Radio Relay League's web site. Here, you can enter your favorite Elmer's name and callsign. The ARRL will print a nice certificate, and mail it to the address you enter. Yes, for FREE! This certificate can either be mailed to your favorite Elmer, or you can mail it to yourself so you



KB6NU's Ham Radio Blog - Continued on page 14

can present it to them personally. Feel free to order an Elmer certificate, and present it to your Elmer at an upcoming SCARS meeting. Talk with one of the officers before the meeting to get your place on the agenda. What a great way to recognize these people for their extra efforts.

"Finally, we've got a place to list YOUR favorite Elmer in our SCARS Elmer Hall-of-Fame. This is the place to memorialize your Elmer, whether they are SCARS members, Silent Keys, or not. I've already listed a few Elmers on the list from my own travels through the hobby. We'd love to list the people that help us all succeed.

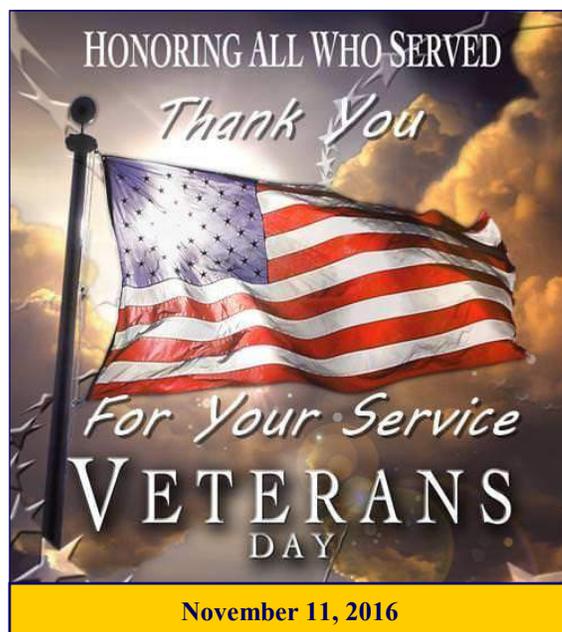
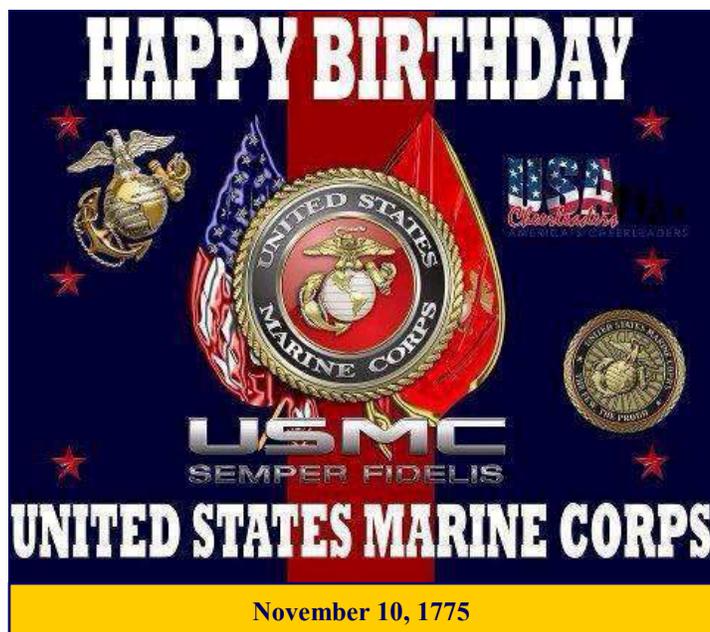
"So, please help make this page useful, visit the SCARS Elmer page at: <http://w5nor.org/elmers> and be listed as an Elmer, and list your favorite Elmers."

I think this is a wonderful idea, and I hope that you will consider doing something similar in your club. A little recognition could go a long way, and we need all the Elmers we can muster. And, if you're already doing this, please send me a link. I'll add that link to my website, KB6NU.Com.

When he's not Elmering new hams, you'll find Dan building kits and working CW on the HF bands. He is the author of the "No Nonsense" amateur radio license study guides, and blogs about amateur radio at KB6NU.Com. You can contact him by e-mailing [cwgeek <at> kb6nu <dot> com](mailto:cwgeek@kb6nu.com).



Editor's Note: KB6NU's Ham Radio Blog is a monthly column distributed for free by Dan, KB6NU, to ham radio club newsletter editors. If you like what he writes, let him know.



DA's and DIT's

Gary Reed, N2QEE, reports that the October 13, 2016 VE session had 3 candidates, resulting in three new Generals: Charles KD2MCU, Shawn KD2LXX, and Jermaine KD2LVW.

SNJ Section Manager, Skip Arey N2EI, has an article in the November issue of QST Magazine, titled: *"The Volunteer Spirit: Finding it, Focusing it, and Keeping it Alive"*. An excellent article about how to recruit, manage, and maintain Amateur Radio volunteers.



7th Annual Wreaths of Remembrance, Gloucester County Veterans Memorial Cemetery, December 3, 2016.

<https://pfpfoundation.givezooks.com/campaigns/wreaths-of-remembrance-2016>

Holiday Party 2016!: Back by popular demand, GCARC is having a year-end celebratory Holiday Party! We'll have the date, and more details at the next club meeting. Hope to see you there!

Congratulations to Cory Sickles, WA3UVV, for getting married to Debra Ann, whom he has known for 42 years.



Lee Marino, N2LAM : He is selling short and long sleeve T-shirts in all sizes. They are blue with the club logo on the back. \$15.00 for short-sleeve and \$20.00 for the long-sleeve. He will be selling them at the November 2nd meeting. His e-mail address is : **lam3118 <at> aol <dot> com**.

Pfeiffer Community Center: Monroe Township has approved our application for the use the Pfeiffer Community Center in 2017.

Repeaters: First the bad news:

- Our **442.100 MHz** is off-the-air for repairs.
- Our **224.660 MHz** has intermittent operation and may be replaced with new one by the end of this year.
- Our **1284.400 MHz** is off-the-air for repairs.

Repeaters: And now the good news:

- Our 147.180 MHz is on-the-air with a new antenna. The antenna was replaced on October 19, 2016. Thanks to the efforts of club members Bill, Mike, Kevin, Al, and Frank, it has been installed and is now operational, ready for your field trials! See some pictures on page 16 plus more on the website on the W2MMD Repeater System page.

GCARC has a YouTube channel! Go to the website and click on YouTube Channel on the left hand menus. I don't have much there, but it's a start. Check it out. Let me know if you have any suggestions.

DA's and DIT's - Continued on page 16

Pictures from the new 2 Meter Antenna installation



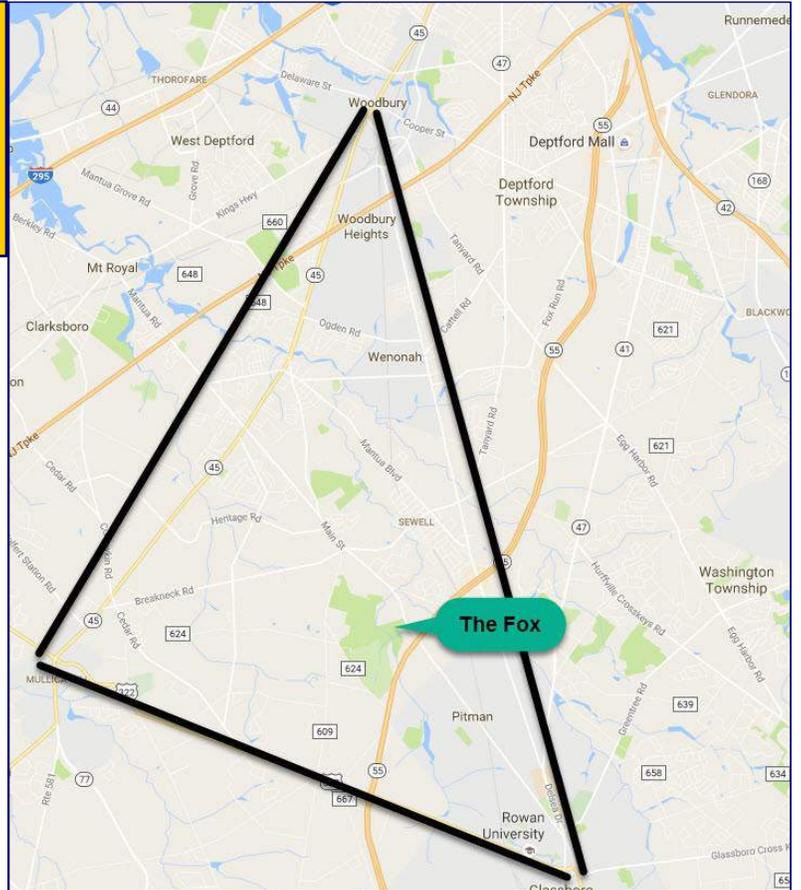
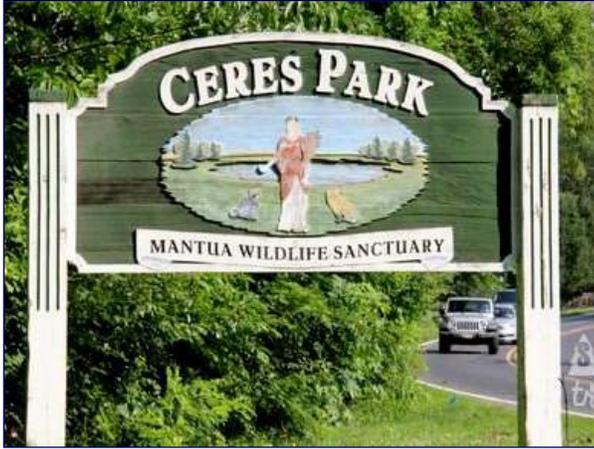
Membership Application: There is a new membership application for 2017 on the website.



Ralph Ditore K2KIT, one of our newest club members, passed away on Tuesday, October 11, 2016, at the Indian River Hospital in Vero Beach, FL. He was 78.

Our condolences to his family and friends.

Fall Fox Hunt Saturday, October 22, 2016



The Fox wins!: KB2AYU, AI

Search Teams:

**KD2LBU, Bruce, with friend Missy
N2WHV, Gary, with driver Brenda
KC2WCS, Jeff
N2TXG, Dan
N2GXJ, Jim, with driver Belinda**



Element 3 General Class License Question Quiz

Questions from the Element 3 General Class License Question Pool. This will be regular feature to help Technicians upgrade to General Class. Answers on 'Last Page Calendar'.

Here are 10 more questions from Subelement G1: Commission's Rules

G1B08 [97.101(a)]

When choosing a transmitting frequency, what should you do to comply with good amateur practice?

- A. Insure that the frequency and mode selected are within your license class privileges
- B. Follow generally accepted band plans agreed to by the Amateur Radio community
- C. Monitor the frequency before transmitting
- D. All of these choices are correct

G1B09 [97.113(a)(3)]

When may an amateur station transmit communications in which the licensee or control operator has a pecuniary (monetary) interest?

- A. When other amateurs are being notified of the sale of apparatus normally used in an amateur station and such activity is not done on a regular basis
- B. Only when there is no other means of communications readily available
- C. When other amateurs are being notified of the sale of any item with a monetary value less than \$200 and such activity is not done on a regular basis
- D. Never

G1B10 [97.203(c)]

What is the power limit for beacon stations?

- A. 10 watts PEP output
- B. 20 watts PEP output
- C. 100 watts PEP output
- D. 200 watts PEP output

G1B11 [97.101(a)]

How does the FCC require an amateur station to be operated in all respects not specifically covered by the Part 97 rules?

- A. In conformance with the rules of the IARU
- B. In conformance with Amateur Radio custom
- C. In conformance with good engineering and good amateur practice
- D. All of these choices are correct

ARRL Ham Radio License Exam Practice Website
www.arrlexamreview.appspot.com

General Class Quiz - Continued on page 19

G1B12 [97.101(a)]

Who or what determines "good engineering and good amateur practice" as applied to the operation of an amateur station in all respects not covered by the Part 97 rules?

- A. The FCC
- B. The Control Operator
- C. The IEEE
- D. The ITU

G1C - Transmitter power regulations; data emission standards

G1C01 [97.313(c)(1)]

What is the maximum transmitting power an amateur station may use on 10.140 MHz?

- A. 200 watts PEP output
- B. 1000 watts PEP output
- C. 1500 watts PEP output
- D. 2000 watts PEP output

G1C02 [97.313(a),(b)]

What is the maximum transmitting power an amateur station may use on the 12-meter band?

- A. 50 watts PEP output
- B. 200 watts PEP output
- C. 1500 watts PEP output
- D. An effective radiated power equivalent to 100 watts from a half-wave dipole

G1C03 [97.303(h)(1)]

What is the maximum bandwidth permitted by FCC rules for Amateur Radio stations transmitting on USB frequencies in the 60-meter band?

- A. 2.8 kHz
- B. 5.6 kHz
- C. 1.8 kHz
- D. 3 kHz

G1C04 [97.313(a)]

Which of the following limitations apply to transmitter power on every amateur band?

- A. Only the minimum power necessary to carry out the desired communications should be used
- B. Power must be limited to 200 watts when transmitting between 14.100 MHz and 14.150 MHz
- C. Power should be limited as necessary to avoid interference to another radio service on the frequency
- D. Effective radiated power cannot exceed 1500 watts

G1C05 [97.313(c)(2)]

Which of the following is a limitation on transmitter power on the 28 MHz band for a General Class control operator?

- A. 100 watts PEP output
- B. 1000 watts PEP output
- C. 1500 watts PEP output
- D. 2000 watts PEP output



GCARC Goes Up Periscope

By Bruce Canino, KD2LBU

There are times when members of GCARC can not attend a meeting due to being out of town or confined to home due to transportation or medical reasons. Wouldn't it be nice to allow those members to attend the meeting via the internet?

I came across the application Periscope and it seems to fit this need very well. If you don't know about the Periscope application, it lets someone with the application stream live video and audio to anyone who has the application.

At the October 5th General Meeting, I tried the application to stream the meeting to whomever wanted to try it out. I got one report from someone who watch from Portland, Oregon as they were away there during the meeting. I and club president Jim also got emails from others who watched.

If you have an Android or iOS device, go to the app store and download the Periscope application. It is free. If you don't have a device, any PC with a modern web browser should let you view it.

Go to www.periscope.tv. Using the search function (.i.e. The magnifying glass) search for w2mmdMMDDYY, where MMDDYY is the month day and year of the meeting. The October meeting name was w2mmd100516. If you have any questions or need help using the application, contact me at: [kd2lbu <at> arrl <dot> net](mailto:kd2lbu@arrl.net)

Below are comments from a few viewers:

Bruce Foster, KD2ITE:

"I want to thank you for putting the meeting on periscope this past week. I am currently homebound with a wheelchair and cannot get out to the meetings and it was a true pleasure to be able to sit home and watch the meeting. Hoping that you do this in the future until I can obtain a prosthetic leg and once again come back to the meetings on my own. Thank you very much."

Bill Szkromiuk, W4WCS:

"I enjoyed watching the meeting last night. Pretty cool! Hope it is continued. It looked like about 2 to 6 people watched it at any given time last night."



CHERRY VALLEY MODEL RAILROAD CLUB



Model Railroad Month Open House!

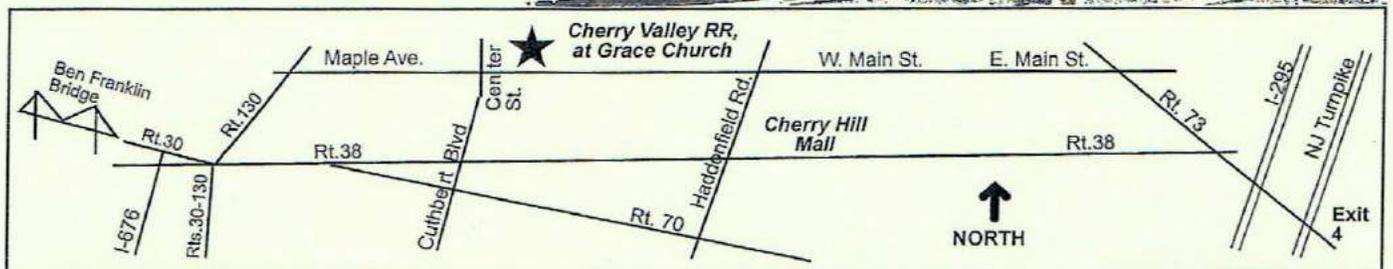
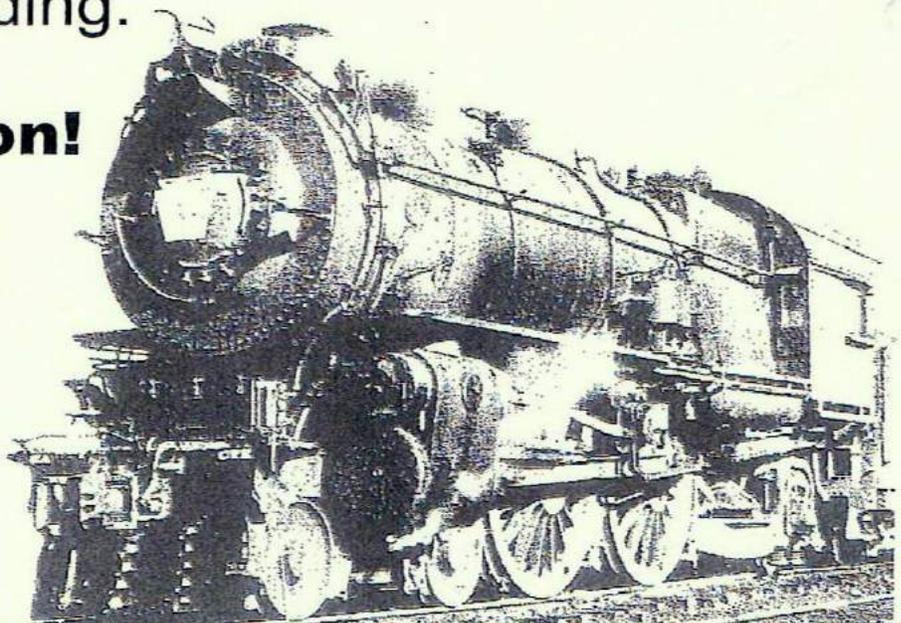
Grace Church • 7 East Maple Ave.
Merchantville, NJ 08109

Saturday, November 5
10 am - 4 pm

Bring the family and enjoy the magic
of model railroading.

Free admission!

For information contact:
John P. Dunn Sr.
609-432-2871
jdunn8888@comcast.net



Regional Yaesu System Fusion Repeaters

County, State	Location	Callsign/Club	Frequency	Off-Set	PL Tone
Atlantic County, NJ	West Atlantic City	W2HRW/SPARC	443.250 MHz	Plus	146.2 Hz
Burlington County, NJ	Medford	K2AA/SJRA	145.290 MHz	Minus	91.5 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	K3RJC/HARC	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	NJ2GC	447.775 MHz	Minus	146.2 Hz
Camden County, NJ	Runnemede	WA2WUN	147.225 MHz	Plus	192.8 Hz
Cape May County, NJ	Wildwood	WA2WUN	146.670 MHz	Minus	167.9 Hz
Gloucester County, NJ	Pitman	W2MMD/GCARC	147.180 MHz	Plus	131.8 Hz
Gloucester County, NJ	Pitman	W2MMD/GCARC	442.100 MHz	Plus	131.8 Hz
Ocean County, NJ	Manchester	WA2RES/OCARES	145.170 MHz	Minus	131.8 Hz
Ocean County, NJ	Toms River	NJ2AR/JSARS	448.625 MHz	Minus	141.3 Hz
Salem County, NJ	Pennsville	N2KEJ/SCRA	146.625 MHz	Minus	131.8 Hz
Bucks County, PA	Hilltown	K3DN/WARC	443.950 MHz	Plus	131.8 Hz
Bucks County, PA	Sellersville	W3AI/RFHARC	444.750 MHz	Plus	103.5 Hz
Bucks County, PA	Southampton	W3SK/PWA	146.790 MHz	Minus	131.8 Hz
Bucks County, PA	Southampton	W3SK/PWA	448.225 MHz	Minus	131.8 Hz
*Chester County, PA	Jennersville	N3SLC/SLRC	145.250 MHz	Minus	114.8 Hz
Chester County, PA	Paoli	WB3JOE/MARC	445.675 MHz	Minus	131.8 Hz
Chester County, PA	Valley Forge	W3PHL/PARA	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	K3PDR/PDRA	447.475 MHz	Minus	Open
Philadelphia County, PA	Philadelphia	WM3PEN/HARC	146.685 MHz	Minus	146.2 Hz
Philadelphia County, PA	Roxborough	W3QV/Phil-Mont	444.800 MHz	Plus	186.2 Hz
Kent County, DE	Dover	KC3ARC/KCARC	146.970 MHz	Minus	77.0 Hz
Kent County, DE	Woodside	KC3ARC/KCARC	146.910 MHz	Minus	77.0 Hz
New Castle County, DE	Newark	W3DRA/DRA	146.700 MHz	Minus	131.8 Hz
New Castle County, DE	Newark	W3DRA/DRA	449.025 MHz	Minus	131.8 Hz
New Castle County, DE	Wilmington	WA3UYJ	146.955 MHz	Minus	131.8 Hz
Sussex County, DE	Bridgeville	W3TBG/NARC	145.210 MHz	Minus	156.7 Hz
Sussex County, DE	Lewes	W4ALT	443.550 MHz	Plus	156.7 Hz
Sussex County, DE	Millsboro	WS3ARA/SARA	449.825 MHz	Minus	156.7 Hz
Sussex County, DE	Seaford	N3KNT	146.715 MHz	Minus	156.7 Hz
Sussex County, DE	Selbyville	WS3ARA/SARA	147.015 MHz	Plus	156.7 Hz

November Birthdays

Congratulations to our members celebrating their birthday this month

Fr. Brian Burgess KD2UTL
Bill DeCuzzi KD2KZW
Bill Dennys KD2DAO
Bob Fields KC6AOH
Bob Harrison WA3KOL
Ernie Kraus KD2EAV
Chuck Lanard KD2EIB
Howard Marder WA2IBZ
Ray Martin W2RM (President 1979)
Tony Otlowski W2WCC
Cory Sickles WA3UVV (President 1993)
Marty Wilt W2ILT

In Memoriam November Birthdays

Silent Keys:

Hank Basch N2DJN
Peter Butler WB2B
John Fisher Jr K2JF (President 1988)
Ernest Garside WA2TDI
Russel Glans N2ASV (President 1983)
George Hankins N2CFW
Frank King WA2WGA
Eleanor Mattison N2JXS
James McDonald N2AIV



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 December 2016 issue: Sunday, November 20, 2016

Club Website www.w2mmd.org

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

November Contest Calendar

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

November 2016

+ Phone Fray	0230Z-0300Z, Nov 2
+ CWops Mini-CWT Test	1300Z-1400Z, Nov 2 and 1900Z-2000Z, Nov 2 and 0300Z-0400Z, Nov 3
+ UKEICC 80m Contest	2000Z-2100Z, Nov 2
+ NRAU 10m Activity Contest	1800Z-1900Z, Nov 3 (CW) and 1900Z-2000Z, Nov 3 (SSB) and 2000Z-2100Z, Nov 3 (FM) and 2100Z-2200Z, Nov 3 (Dig)
+ NCCC RTTY Sprint	0145Z-0215Z, Nov 4
+ NCCC Sprint	0230Z-0300Z, Nov 4
+ IPARC Contest, CW	0600Z-1000Z, Nov 5 and 1400Z-1800Z, Nov 5
+ Ukrainian DX Contest	1200Z, Nov 5 to 1200Z, Nov 6
+ RSGB International Sprint Contest, SSB	1700Z-2100Z, Nov 5
+ ARRL Sweepstakes Contest, CW	2100Z, Nov 5 to 0300Z, Nov 7
+ IPARC Contest, SSB	0600Z-1000Z, Nov 6 and 1400Z-1800Z, Nov 6
+ EANET Sprint	0800Z-1200Z, Nov 6
+ High Speed Club CW Contest	0900Z-1100Z, Nov 6 and 1500Z-1700Z, Nov 6
+ DARC 10-Meter Digital Contest	1100Z-1700Z, Nov 6
+ ARS Spartan Sprint	0200Z-0400Z, Nov 8
+ Phone Fray	0230Z-0300Z, Nov 9
+ CWops Mini-CWT Test	1300Z-1400Z, Nov 9 and 1900Z-2000Z, Nov 9 and 0300Z-0400Z, Nov 10
+ RSGB 80m Club Sprint, SSB	2000Z-2100Z, Nov 9
+ NCCC RTTY Sprint	0145Z-0215Z, Nov 11
+ NCCC Sprint	0230Z-0300Z, Nov 11
+ WAE DX Contest, RTTY	0000Z, Nov 12 to 2359Z, Nov 13
+ 10-10 Int. Fall Contest, Digital	0001Z, Nov 12 to 2359Z, Nov 13
+ JIDX Phone Contest	0700Z, Nov 12 to 1300Z, Nov 13
+ SKCC Weekend Sprintathon	1200Z, Nov 12 to 2400Z, Nov 13
+ OK/OM DX Contest, CW	1200Z, Nov 12 to 1200Z, Nov 13
+ Kentucky QSO Party	1400Z, Nov 12 to 0200Z, Nov 13
+ CQ-WE Contest	1900Z-2300Z, Nov 12 (CW/Digital) and 0100Z-0500Z, Nov 13 (Phone) and 1900Z-2300Z, Nov 13 (Phone) and 0100Z-0500Z, Nov 14 (CW/Digital)

November Contest Calendar - Continued on page 25

November Contest Calendar

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

November Contest Calendar - Continued from page 24

+ Phone Fray	0230Z-0300Z, Nov 16
+ CWops Mini-CWT Test	1300Z-1400Z, Nov 16 and 1900Z-2000Z, Nov 16 and 0300Z-0400Z, Nov 17
+ NAQCC CW Sprint	0130Z-0330Z, Nov 17
+ NCCC RTTY Sprint	0145Z-0215Z, Nov 18
+ NCCC Sprint	0230Z-0300Z, Nov 18
+ YO International PSK31 Contest	1600Z-2200Z, Nov 18
+ ARRL EME Contest	0000Z, Nov 19 to 2359Z, Nov 20
+ SARL Field Day Contest	1000Z, Nov 19 to 1000Z, Nov 20
+ LZ DX Contest	1200Z, Nov 19 to 1200Z, Nov 20
+ All Austrian 160-Meter Contest	1600Z, Nov 19 to 0700Z, Nov 20
+ Feld Hell Sprint	1700Z-1859Z, Nov 19
+ RSGB 2nd 1.8 MHz Contest, CW	1900Z-2300Z, Nov 19
+ ARRL Sweepstakes Contest, SSB	2100Z, Nov 19 to 0300Z, Nov 21
+ Homebrew and Oldtime Equipment Party	1300-1500Z, Nov 20 (40m) and 1500-1700Z, Nov 20 (80m)
+ Run for the Bacon QRP Contest	0200Z-0400Z, Nov 21
+ SKCC Sprint	0000Z-0200Z, Nov 23
+ Phone Fray	0230Z-0300Z, Nov 23
+ CWops Mini-CWT Test	1300Z-1400Z, Nov 23 and 1900Z-2000Z, Nov 23 and 0300Z-0400Z, Nov 24
+ RSGB 80m Club Sprint, CW	2000Z-2100Z, Nov 24
+ NCCC RTTY Sprint	0145Z-0215Z, Nov 25
+ NCCC Sprint	0230Z-0300Z, Nov 25
+ CQ Worldwide DX Contest, CW	0000Z, Nov 26 to 2400Z, Nov 27
+ Phone Fray	0230Z-0300Z, Nov 30
+ CWops Mini-CWT Test	1300Z-1400Z, Nov 30 and 1900Z-2000Z, Nov 30 and 0300Z-0400Z, Dec 1
+ UKEICC 80m Contest	2000Z-2100Z, Nov 30



www.facebook.com/W2MMD

w2mmd.org



Facebook Page



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

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

The W2MMD Repeaters

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

Temporarily Off-The-Air

Output: 442.100 MHz
Input: 447.100 MHz
Offset: +5 MHz - PL: 131.8 Hz
System Fusion (C4FM) Only

Temporarily Off-The-Air

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°

Intermittent Operation

Will be replaced soon

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

Question Pool Answers :
G1B08:D; G1B09:A; G1B10:C; G1B11:C; G1B12:A;
G1C01:A; G1C02:C; G1C03:A; G1C04:A; G1C05:C

Meeting Calendar

General Membership Meeting

Wednesday, November 2, 2016 @ 1930 Hours
Pfeiffer Community Center
301 Blue Bell Road
(Main Street and Blue Bell Road)
Williamstown, NJ

Board of Directors Meeting

Wednesday, November 16, 2016 @ 1900 Hours
GCARC Clubhouse
Gloucester County 4-H Fairgrounds
235 Bridgeton Pike (Rt 77), Mullica Hill, NJ

November 2, 2016 Club Meeting

**Skip Arey, N2EI: CW - Code,
Keys, and Communication**

+

2017 Club Officer Nominations



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

