



# Garden State Amateur Radio Association



**W2GSA**

**JANUARY 2019**

8 Donner St.,  
Holmdel, NJ 07733



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[www.gsara.club](http://www.gsara.club)  
[www.w2gsa.org](http://www.w2gsa.org)

Please visit the club website  
and feel free to use our open  
repeater.



## President's Message

Art Olson, N2AJ0



I asked our Vice President, Denis Commette K2NPT to start up an activities committee. The committee consisting of Denis and 2 other members would be responsible for identifying, planning and then handing over the reins to volunteer members who would execute the plan(s). The events are as listed below. I am asking folks to get involved and help the club maintain its great community reputation.

- Member of the Year Luncheon – March
- Family Pot Luck Picnic - May
- Ham Fest – September
- Red Bank CROP Walk – October
- Boy Scout JOTA – October
- New Jersey Marathon Support - April
- Field Day - June
- Twin Light Bike Tour - September
- JDRF (Juvenile Diabetes) – October

Next, I have asked Paul Newland, AD7I to setup a training and familiarization class for newly licensed Hams. The idea is to get them over their hesitation of going on the air early that will build their operation skills and confidence. I will leave the details to Paul to iron out but would like to see the first session by March.

I asked Howard Suffill to be the club's liaison to the American Red Cross. He has a long-lasting relationship with ARC and we want to remain good stewards of our host facilities. Howard, thanks for stepping up.

Our Chief Engineer, Phil Festa, N2EDX has several items on his list including getting our remote access up and working, rearranging some of the positions in our shack and improving our new repeaters reliability and performance.

Lastly, I would like to hear from the membership on your thoughts and ideas. The leadership team works for you the members and together we can continue to move our hobby forward.

Respectfully  
Art - N2AJ0



## MEETING TIMES



The next GSARA meeting will be on Wednesday, January 2 at 7:30 PM at the Red Cross. This will be a program meeting and the program will feature our own John King, KA2F who will talk about the Morro Castle disaster off Asbury Park in 1934 and the interesting radio operators on that ship. Guests are welcome and refreshments will be served.

The second meeting in January will be held on Wednesday, January 16 at 7:30 PM at the Red Cross. This will be a regular business meeting. Be there! Guests are always welcome and refreshments will be served.

## VE SESSION

The GSARA monthly test session will be held at the Red Cross Regional Headquarters in Tinton Falls on Saturday, January 26 at 11 am. The fee is \$15 and you should bring the original and a copy of any amateur license presently held and the original and one copy of any credit (CSCE) forms that you have (copies will be sent in with your test results). Also bring 2 forms of ID with one being a photo ID. For more information, contact Rich Bilon, N3RB at 732-972-1397 or n3rb@arrl.net.



January 2019 2

**Get your ham radio license this month!**



# FROM THE EDITOR

**Bob Buus, W2OD**

I had a lot of fun researching the “Now You Know” article about the ARRL-sponsored transatlantic tests in 1921. The deeper I dug, the more goofs and screw-ups I found. It made the article longer than it had to be but I thought you might like to know that even 100 years ago, things didn’t go smoothly. To read Clinton DeSoto’s account of this in “200 Meters and Down” would lead one to believe it was a straightforward slam-dunk. Maybe it was the style back then to present history without its warts and flaws.

Regarding the 1AAW operation during the second transatlantic tests, there is an interesting letter to the editor in the September 1922 QST (page 56) ostensibly from the pirate operator of 1AAW who claims he operated the station in Maine and chose the call because it had a good swing. He stated that he had a powerful transmitter and taunted the League that they would never find him. The letter, postmarked New York City, was signed “RADIO FOR EVER.” After the letter, the editor of QST added:

“We have no proof that the above was written by the operator that signed 1AAW during the Trans-Atlantics. The real sender may still be lying in quiet. At least we want more data before we let the matter rest. – Ed.” Nothing more about this ever appeared in subsequent QSTs.

If you have not already done so, please make a point of renewing your GSARA membership for 2019 by paying your \$20 dues. Our Treasurer, John, KC2YWL will be happy to take your \$20 at any of the upcoming meetings. If you can’t come to a meeting, you can also mail your dues to him with check payable to GSARA at:

John Chunga, KC2YWL  
109 S. Station Ave.  
Avon, NJ 07717

We currently have 112 members on our Roster. Let’s not let it drop because you forgot to renew.

Please take care of this ASAP.

As always, I appreciate feedback or material for The Propagator. The deadline for the February issue is January 15.

# NOW YOU KNOW!

By Bob Buus, W2OD

## AMATEUR TRANS-ATLANTIC TESTS

As amateur radio thrived after World War I, distance records were being broken almost daily. By the fall of 1920, distances achieved across the United States indicated that transatlantic communications should be possible since it was known that paths over water were generally better than those over land. Thus, ARRL hastily organized a transatlantic test to be conducted February 1, 3 and 5, 1921 whereby about 250 British stations were asked to listen for a few dozen American stations in the wee hours of the mornings. Prizes were offered to the first British station to hear an American amateur and to the first American station to be heard overseas. Unfortunately, no American stations were heard and the test was a failure! In the hasty planning, no one considered the fact that most of the British stations would be using regenerative receivers adjusted to self-oscillate and thus jam the 200-250 meter wavelengths with intense QRM even when no one was actually transmitting. Oh well, back to the drawing board.

In the May 1921 issue of QST, K. B. Warner made the announcement that he would bet his new spring hat that if a good U.S. amateur were sent to England with an Armstrong superheterodyne receiver "reception of U.S. amateurs would straight-way become commonplace." Paul F.

Godley, 2XE, probably the foremost receiving expert in America at that time, was asked by the ARRL to go to England in the late fall with his best receiver and listen for signals from U.S. amateurs. Thus was launched the second transatlantic tests.

Members of the Radio Club of America were interested in participating in these tests so a crew of six of their top members (Edwin Armstrong being one of them) was charged with building a powerful CW station to be on the air for these tests. Four UV-204, 250 watt tubes were purchased for this transmitter with one used as a master oscillator at 230 meters (1.3 MHz) and three tubes in parallel for a power amplifier with an input power of 990 watts. This station, 1BCG, was located in Greenwich, CT. Because of problems with parasitic oscillations, the station did not get on the air for the tests until December 10 UTC (the night of December 9 EST).

On November 15, 1921, Godley sailed for England on the Aquitania. He arrived in London and set up his equipment for preliminary tests. Looking for a quieter location, Godley ended up on the coast of Scotland on the bleak Ardrossan moor amid fog and rain where he set up his tent and built a long Beverage antenna pointed at the United States. At 1:33 am on December 8 he heard "CUL" and what he took to be "1AEP" but noise made the call sign doubtful. Continuing to listen at 270 meters (1.111 MHz), the signal

came back stronger and he clearly heard 1AAW at 1:42 am. When Godley reported this first transatlantic signal via landline to London and then via MUU to the ARRL, the call got mixed up and was reported as "1AAY." This was traced to a young man in Fitchburg, MA who had only a quarter inch spark transmitter and no antenna. When the correct call was determined to be 1AAW, the ARRL New England District Manager hurried to Roxbury, MA to find that the holder of 1AAW had not been on the air for six months! Thus, the very first station to be heard across the Atlantic was a pirate bootlegging someone else's call! The person never came forward and is unknown to this day!

After losing a day to repair the Beverage antenna, the next station heard by Godley in Scotland was 1BCG heard loud and clear at 12:50 am on December 10. Godley sent a cable directly to Armstrong asking 1BCG to send messages. The cable got garbled and Armstrong received the cable saying to send MGES. So, on December 11, 1BCG sent the four-letter group "MGES" all night long. Godley copied this and couldn't understand why they were sending such a group so he cabled back to again ask 1BCG to send messages. This time it was understood so on December 12, the first amateur radiogram was sent from 1BCG to Godley in Scotland. (Later that same night, 1BCG send three transcontinental messages to 6XAD in Avalon, Catalina Island, CA.)

Godley remained at his Scotland listening post until December 16. Overall, he logged nine spark stations as far west as Indianapolis and 18 CW stations as far west as Pittsburgh. Considering that most amateur stations at the time were spark and often ran the full legal kilowatt while the few CW stations (except 1BCG) ran 50 to 100 watts, this test showed clearly the superiority of CW over damped wave for getting out. This started a stampede by amateurs to build CW stations by begging, borrowing or stealing the expensive power vacuum tubes.

It should be pointed out that American stations were also copied in France and the Netherlands during these tests. The tests showed unequivocally that amateur stations operating a kilowatt or less could transmit across the Atlantic on the "worthless" 200 meter band at night and near the winter solstice in December.

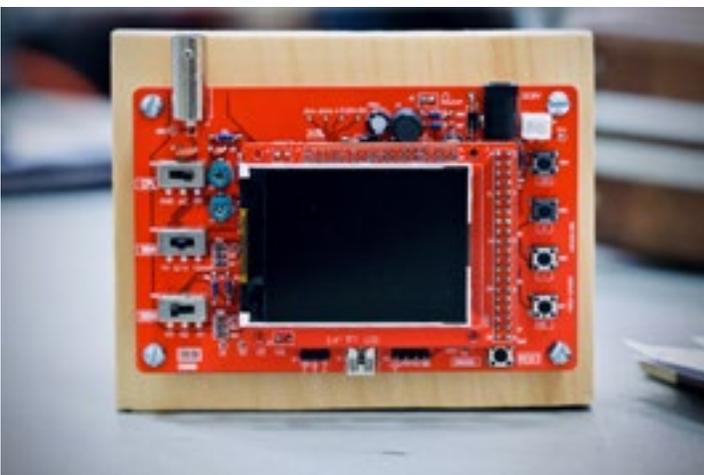
The total transatlantic message bill paid by ARRL was \$1900 - a substantial expense at the time - but well worth it for the successful results. So now you know.



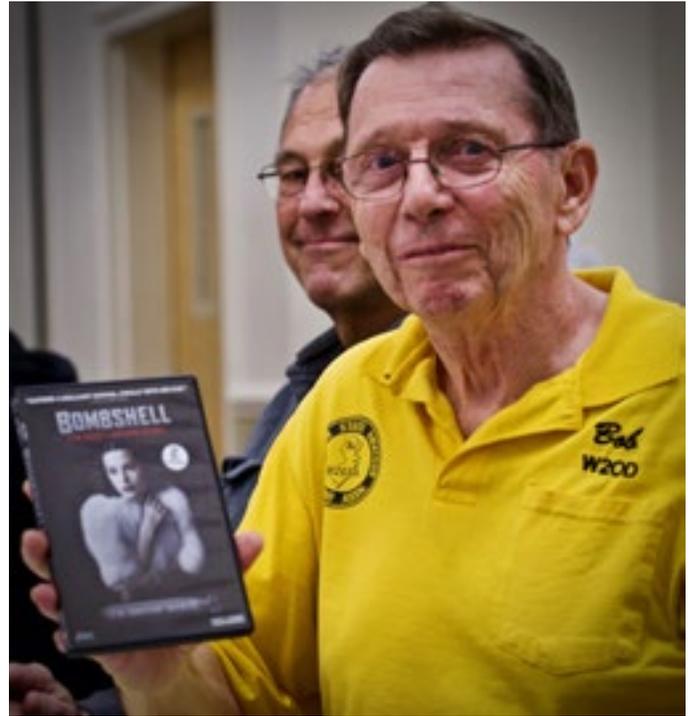
Home of the W2GSA open repeater  
FM and Fusion  
(WIRES-X)

(Analog FM) 147.045 +.600 - (C4FM) Node 43360 PL 67 Hz

# Club Shots



Top left clockwise: John, KC2YWL discussing deep things. Alan, W2NIR enjoying the meeting. Mike, N2MEP smiling for the camera. The world's smallest oscilloscope. Howard, W2HTS and Art N2AJO discussing important things as the Presidency is about to change hands.



Top left clockwise: Ria, N2RJ listens as questions are being asked. Bob, W20D donated a DVD to the club on Hedy Lammar whose work in radio is not very well-known. Ria, N2RJ, just off of her victory as our new Regional Director of the ARRL takes questions and comes to thank GSARA for their support. Cy, K2CYS and Denis, K2NPT, discuss something deep.



## *Getting Operational with Digital Modes*

If anyone is looking for help with getting operational with digital modes (FT-8, PSK-31, Olivia, RTTY, etc) please feel free to call on Paul, ad7i, if you would like some assistance. The best way to reach Paul is via email, [ad7i@ad7i.net](mailto:ad7i@ad7i.net)



## NEW HEXBEAM AT K2NPT

The new Hexbeam on the way up today at K2NPT Denis's house. Great help from GSARA members, Mike W2MJP, Art N2A-JO, Greg KD2PYO, and Dan K2DJL. Looks great guys.

Working on a project you want to share with the club?  
Send it to [k2cys@arrl.net](mailto:k2cys@arrl.net) with a description and picture and we will get it into the Propagator.  
Share the joy! Share the pride!

# WELCOME TO GSARA!

**GSARA welcomes these new members to our club. We are delighted to have you join us and hope that you take advantage of everything the club has to offer!**

The following new members to GSARA were voted in as active members at the December 19 meeting:

Steve Gonzalez, KC2LKC from Marlboro holds a General Class license. Please add to your Roster:

Steve Gonzalez, KC2LKC  
52 Eagle Road  
Marlboro, NJ 07746  
347-988-8453  
Kc2lkcham@gmail.com

Ron Dawson, KD2QZZ from Howell recently passed his Technician exam. He is an engineer and a member of ARRL. Other interests include backpacking with his family. Please add to your Roster:

Ron Dawson, KD2QZZ  
21 Marc Drive  
Howell, NJ 07731  
908-403-6854  
rgdawson@gmail.com

Jim Beirne, WA2JZQ from Farmingdale has been licensed since 1968 and holds an Extra Class license. Please add to your Roster:

Jim Beirne, WA2JZQ  
12 Asbury Ave.  
Farmingdale, NJ 07727  
908-770-4861  
jsbeirne@me.com

**...And Congratulations:**

SUZAN COLON NOW KD2QMI

Suzan Colon, who was voted in as a GSARA member at our October 17 meeting has received her Technician call of KD2QMI. Please add it to your Roster.

Mike Schiafone, K2MFS, who passed the General Class. Congratulations!

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## Tuesday Net Report

The Tuesday night net meets every Tuesday on W2GSA repeater at 8:30 PM. Everyone is most welcome and you don't need to be a member of the club.

In the 3 sessions in December, we had 45 check-ins for an average of 15 per session. The following 22 members checked into this net (number of check-ins in parenthesis):

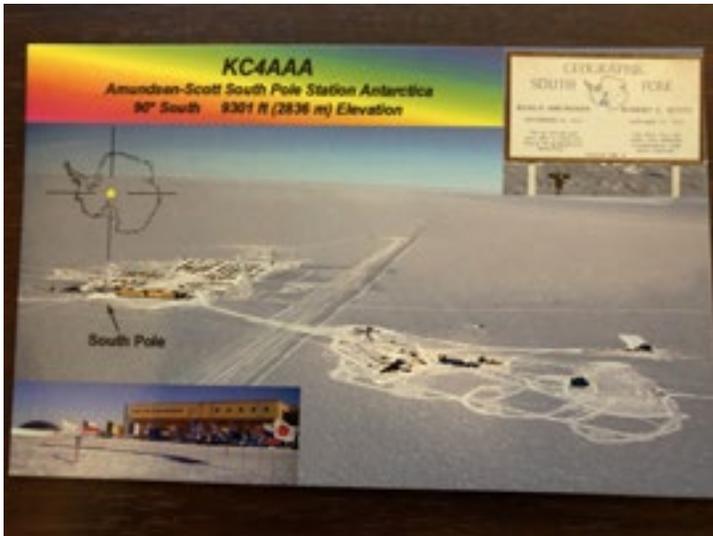
N2AJ0 (3), KA2F (3), N2FSB (3), AD7I (3), W2MJP (3), K2NPT (3), W2OD (3), K2RLF (3), N2BMK (2), N2HGI (2), N2MEP (2), W2NAZ (2), KD2OXR (2), WB2RPW (2), KC2YNL (2), N2BCS (1), KG2CM (1), K2CYS (1), KD2EJW (1), KZ2G (1), K2MFS (1), and KD2PYO (1).

Mark your calendar so you remember to participate. The more participation, the more fun!

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# My Favorite QSL Card

Mike N2MJP



I have many qsl cards I can say are my favorite. As I am very close to 200 confirmed DXCC. But I will say that The South Pole in Antarctica is one of my favorites. I used to think as a kid when I started to dx how great would it be to speak to someone in the South Pole not realizing that there are people down there. It's a rare opportunity to speak to the few hams that go active when they are there for scientific purposes. I also have them confirmed on digital modes.

## Membership Update



At the December 19th, meeting John, KA2F accepted another application form for membership. Our membership count is now 112 and growing.

## 2019 Dues Due. Did You Do Dues?

Your 2019 dues of \$20 may be paid anytime to our Treasurer, John Chunga, KC2YWL. You may pay at any meeting where John is present or mail your \$20 payment to John at:

John Chunga, KD2YWL  
109 S. Station Ave.  
Avon, NJ 07717

Checks should be payable to GSARA. Thank you for taking care of this.

# HAM RADIO UNIVERSITY JANUARY 5

The new Chief Executive Officer of ARRL, Howard Michel, WB2ITX, will be the keynote speaker at the annual Ham Radio University (HRU) educational conference, which will mark its 20th anniversary on Saturday, January 5, 2019. The event, which serves as the ARRL New York City/Long Island Section Convention, will be held in the Hillwood Commons Student Center on the campus of LIU/Post college in the New York City suburb of Brookville, Long Island from 7:30 am to 3:30 pm, with Mr. Michel delivering his remarks at 12:00 noon.

HRU will include nearly thirty informational forums moderated by local experts in a broad range of Amateur Radio activities, including:

Assembling an Amateur Radio Station  
Communicating through Amateur Radio  
Earth Satellites  
Remote Station Operating Over the Internet  
Emergency Communications  
AND  
Hands-on workshops on:  
Cable Theory and RF Connectors  
Ethernet Connectors  
Test Equipment.



Presented in cooperation with LIU/Post public radio station WCWP 88.1FM ([www.WCWP.org](http://www.WCWP.org)), HRU 2019 is a day of activities at which some 300 hams will share ideas, experiences, knowledge and fellowship. In addition to the forums and workshops, there will be a VE session in the afternoon for individuals who would like to take an FCC license examination to become a ham radio operator or upgrade their amateur radio license.

Ham Radio University is supported by numerous radio clubs and related organizations in the New York City - Long Island area. They will have displays in a Club Room and provide information about their licensing classes, public service events and other amateur radio activities. Further information and the forum schedule is on line at: <http://www.HamRadioUniversity.org>. There will be free parking and a cafeteria will be open for breakfast and lunch.

A suggested donation for attendees is \$5.00.

73 de Mike N2YBB



# From the Archives

## FIVE YEARS AGO

From the January 2014 Propagator: George Barthelemy, N4LLT, the father-in-law of Jeff, N2LXM became a silent key. Ray Irwin, WA1FFT gave a talk about a horizontal loop antenna for 40, 20, 15 and 10 meters at the December 4 meeting. Because OMARC holds their VE test sessions on the second Saturday of each month, it was suggested that GSARA move its VE session from the second Saturday to the fourth Saturday of each month. A motion was passed at the December 18 meeting to grant each candidate who passes the Technician exam at our VE session be given a voucher good for one year's free membership in GSARA.

## TEN YEARS AGO

From the January 2009 Propagator: GSARA officers for 2009 are Frank Wroblewski, W2XYZ, President; Howard Suffill, W2HTS, Vice President; Joe Dreifuss, W2KQ, Treasurer; Bob Buus, W2OD, Secretary; and Jeff Harshman, N2LXM, Chief Engineer. They were elected at the December 3 meeting and took office at the December 17 meeting. ARRL introduced the triple Play WAS award for working each state in three modes – CW, Phone and RTTY/digital. The House Committee on Energy and Commerce, which oversees the FCC, blasted the FCC Chairman Kevin Martin for mishandling many issues, including BPL. Canadian time standard station, CHU has moved from 7335 to 7850 kHz.

## FIFTEEN YEARS AGO

From the January 2004 Propagator: Officers for 2004 were President, John Keating, WA2FVL (SK); Vice President, Marty Szumera, WN2DX; Secretary, Bob Buus, W2OD; and Treasurer, Frank Wroblewski, W2XYZ. A membership roster included with the January 2004 Propagator showed

83 members in good standing. Earl Korf, K2IC became a silent key on November 23, 2003. Ray, W2NXG (SK) is organizing a Kid's Day event on January 4, 2004.

## TWENTY YEARS AGO

From the January 1999 Propagator: Officers for 1999 were President: Mario Sellitti, N2PVP; Vice President: Bob Curci, N2XR; Secretary: Jack Petro, KB2GJU (SK); Treasurer: Lou Russo, W2HAM; Chief "Engineer: Bob Roman, N2DR. Much of the issue was devoted to Marconi's first wireless in America at Twin Lights in October 1899. There were several proposals as to how to commemorate the 100th anniversary in the fall. Ron Parham, K2SST moved to North Carolina.

## TWENTY-FIVE YEARS AGO

From the January 1994 Propagator: Officers for 1994 were President: Bob Buus, W2OD; Vice President: Rich DiFiore, KB2NXA (SK); Secretary: Bruce McLeod, K2QXW; Treasurer: Rich Cardwell, AA2BY; and Chief Engineer: Dave Worrall, N2IRO (now WD2DW). Bob Brandt, W2CQB became a silent key in December. Our treasury at the end of 1993 stood at near \$4000.

## THIRTY YEARS AGO

From the January 1989 Propagator: Officers for 1989 were President: Mike Begala, K2CTJ (SK); Vice President: John Breza, KE2IE (SK); Secretary: Al Lombardo, N2CUJ; Treasurer: Clarence Kastner, KA2OZA (SK); and Chief Engineer: Don Venberg, W2GEZ (SK). Editor of The Propagator was Wayne Bennett, KD2EV. Most of the 3-page Propagator was devoted to mods for the Kenwood TS-430 and Yaesu FT-727 transceivers.



## GSARA Officers

President W2HTS, Howard Suffill

732-460-1885

[w2hts@arrl.net](mailto:w2hts@arrl.net)

Vice Pres. K2REM, Rem Hunnewell

732-889-6692

[rh@thetraindoctor.com](mailto:rh@thetraindoctor.com)

Secretary W2OD, Bob Buus 732-946-8615

[w2od@arrl.net](mailto:w2od@arrl.net)

Treasurer KC2YWL, John Chunga,

732-693-7648

[huesca1968@aol.com](mailto:huesca1968@aol.com)

Engineer K2KP, Arek Tarniowy 201-370-2537

[tarniowy@yahoo.com](mailto:tarniowy@yahoo.com)

### Trustees

W2KQ Joe Dreifuss 732-493-4236

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The GSARA Propagator is designed in InDesign  
CC 2019

Editor: Bob Buus, W2OD

Layout: Cy Stanway, K2CYS

Photos: Harry Zuzuro, KD2EJW

You are invited to submit articles and ideas

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## GSARA Swag

### *GSARA Patches*

We have GSARA patches available at all meetings and they are \$3. Show your GSARA pride!

### *GSARA News*

Keep up with GSARA news at the GSARA website:

[www.gsara.club](http://www.gsara.club)

[www.w2gsa.org](http://www.w2gsa.org)

### *Blue Swan Diner Eyeball QSO!*

A number of local radio amateurs meet each Friday at the Blue Swan Diner on Highway 35 south in Ocean Township at noon. Anyone interested in amateur radio is welcome to join us in the back left corner of the diner.



# Club Benefits



## W2GSA CLUB NET

The GSARA weekly net meets each Tuesday evening at 8:30 on the GSARA repeater. Everyone is welcome to hear news of upcoming club events and activities, reports of the latest club news and everyone can share what they have been up to. Please join us. The more participation, the more fun!

## QSL BUREAU

If any GSARA members wish to combine their QSL cards that are going through the outgoing ARRL Bureau, please bring them to the next GSARA meeting along with the label from a recent QST Magazine (you must be an ARRL member to participate in this program). Either John, KA2F or Len, WA1P-CY will then send them on to ARRL at no charge to GSARA members. It couldn't be much easier than that to QSL. You are registered at the W2 incoming bureau, aren't you?

## GSARA.CLUB W2GSA.ORG

Have you seen the GSARA website lately at <https://www.gsara.club/>? Check it out often for updates, news, announcements and general club information. If you have not yet done so, send us a picture of your shack and a selfie for the Members; Shacks and Our Members page. There is a Members Only Page which will contain important links viewable by GSARA members only including the most current roster and the previous month's minutes from the meeting. Send your selfies to Cy, K2CYS at [k2cys@](mailto:k2cys@). Do you have any other great ideas for the site? Let Cy know.



<b>W2GSA</b> Garden State Amateur Radio Association			
		Founded May 10, 1950 ARRL Affiliated January 22, 1951 Monmouth County/Grid Square FN20 W2GSA Repeater 147.045 PL 67 More Info on QRZ.com & GSARA Website at <a href="http://www.gardenstateara.org">www.gardenstateara.org</a> 8 Donner St Holmdel, NJ USA 07733	
CONFIRMING QSO WITH	DAY	MONTH	YEAR
UTC	BAND	RST	MODE

# Straight Key Night



I ♥ CW

Did you know there is a 'contest' - which is really not a contest in the usual sense - on New Year's Day? That's right: break out your old gear and your straight key to operate on the ARRL's Straight Key Night. QSOs are leisurely and fun and there is no reason to rush through. For all the info, go to this link: <http://www.arrl.org/straight-key-night>

## ARES/RACES NET



Did you know that there is an ARES/RACES net on the W2GSA repeater on the first and third Mondays of each month at 8 PM local time? You don't have to be a member of ARES or RACES to check into the net. We all should be comfortable with checking into a formal net as we never know when we might be called upon to help with communications in an emergency. All are welcome. Check it out!

## *New SM for SNJ*

Southern New Jersey Section Manager Skip Arey, N2EL has chosen not to run after serving 4 years so SNJ SEC Tom Preiser, N2XW was nominated as Section Manager unopposed and thus becomes the new SNJ SM on January 1.

## NOTES ON CALENDAR (see next page)

Large Call letters denote birthdays e.g. **WA1PCY** January 6. All times are in EST. Contests are listed in the January QST, p. 91.

Dec. 31-Jan. 1 – **Straight Key Night (SKN)** from 7 pm Monday to 7 pm Tuesday.

January 2 – **GSARA Program Meeting**. The program will feature our new Secretary, John King, KA2F who will talk about the demise of the cruise ship Morro Castle off the Asbury Park boardwalk and the radio officer on duty at the time of the disaster. Refreshments will be served. Don't miss it!

January 3 - **HCARC Meeting** 7 pm at Holiday City South Clubhouse in Toms River.

January 4- **W1AW Qualifying Run** at 10 pm (40-10 wpm). See January 2019 QST page 97 and [www.arrl.org/qualifying-run-schedule](http://www.arrl.org/qualifying-run-schedule)

January 4 and every Friday – **Lunch at the Blue Swan Diner** in Ocean at noon. Table at back left.

January 5 – **ARRL Kids Day**, Phone from 1 pm to 6:59 pm. See <http://www.arrl.org/kids-day>

Jan. 5-6 – **ARRL RTTY Roundup**, digital with FT8 from 1 pm Saturday to 6:59 pm Sunday. See <http://www.arrl.org/rtty-roundup>

January 7 - **Monmouth County ARES/RACES Net** meets on 147.045 +600, PL=67.0 at 8:00 pm

January 8 – **Old Barney VE Test Session** at 6:30 pm in Manahawkin. Contact Urb Le Jeune, W1UL at 609-296-5856 or [urb@w2dec.com](mailto:urb@w2dec.com)

January 8 – **Old Barney ARC Meeting** at 7:30 pm in Manahawkin, NJ. See <http://www.obarc.org>

January 8 and every following Tuesday – **GSARA Net** on 147.045 PL=67 at 8:30 pm.

January 8 and every following Tuesday – **QCWA News Net** on 147.045 PL=67 at 9:00 pm.

January 9– **Holiday City VE Session** at 7 pm in Toms River. Contact is Larry Puccio, K2QDY at 732-349-2950 or e-mail at [lpuccio1@comcast.net](mailto:lpuccio1@comcast.net)

January 10 – **JSARS meeting** in Riverwood Park Rec. Building, Rt. 527 and Riverwood Drive at 7:30 pm.

January 12 – **OMARC Meeting** at 9:00 am at the Firehouse on 600 Sixth Ave. in Spring Lake Heights. Guests are always welcome.

Jan 12-13 – **North American CW QSO Party** from 1 pm Sat. to 12:59 Sun. See <http://www.ncjweb.com>

January 16 – **GSARA Meeting** at 7:30 pm at the Red Cross in Tinton Falls. Regular business meeting. Refreshments will be served.

January 17 – **W1AW Qualifying Run** at 9 am (40-10 wpm). See January 2019 QST page 97 and <http://www.arrl.org/qualifying-run-schedule>

January 17 – **JSARS VE Test Session** at 7:00 pm Riverview Park Recreation Bldg., Rt. 527 and Riverwood Drive in Toms River. Contact Ed Genoio, WA2NDA at 609-971-2792 or [wa2nda@comcast.net](mailto:wa2nda@comcast.net).

Jan 19-20 – **North American SSB QSO Party** from 1 pm Sat. to 12:59 Sun. See <http://www.ncjweb.com>

Jan 19-20 – **ARRL VHF Contest**, all modes from 2 pm Sat. to 10:59 pm Sun. See <http://www.arrl.org/january-vhf>

January 21- **Monmouth County ARES/RACES Net** meets on 147.045 +600, PL=67.0 at 8:00 pm

Jan 25-27 – **CQ 160 CW Contest** from 5 pm Friday to 5 pm Sunday. See <http://www.cq160.com>

January 26 – **GSARA VE Test Session** at 11 am at the Red Cross in Tinton Falls. See page 1.

Jan 26-27 – **Winter Field Day**, all modes from 2 pm Sat. to 2 pm Sunday. See <http://winterfieldday.com>

# JANUARY 2019

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	31 SKN	1 SKN No Nets	2 GSARA Mtg	3 HCARC Mtg	4 Blue Swan lunch CW Qual. Run	5 ARRL Kids Day RTTY Roundup
6 WA1PCY RTTY Roundup	7 KD2QOO ARES/RACES 8 pm	8 Old Barney GSARA Net 8:30 QCWA News 9 PM	9 Hol. City VE	10 KC2TKK KB2ZVR JSARS Mtg	11 W2XYZ Blue Swan lunch	12 OMARC Mtg. NA CW QSO
13 NA CW QSO	14	15 GSARA Net 8:30 QCWA News 9 PM	16 GSARA Mtg	17 CW Qual. Run JSARS VE	18 KA2VXA Blue Swan lunch	19 NA Phone QSO ARRL VHF
20 K2NPT NA Phone QSO ARRL VHF	21 ARES/RACES 8 pm	22	23	24	25 Blue Swan lunch CQ 160 CW	26 GSARA VE Winter FD CQ 160 CW
27 CQ 160 CW Winter FD	28	29 NF3E	30	31		



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First Class