



# THE Propagator

## Garden State Amateur Radio Association



**W2GSA**

**FEBRUARY 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.

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



## From the Vice President



**F**ebruary is just around the corner and we are pleased to report that some of the initiatives outlined by the President for 2019 are well underway.

First, I would like to direct you to the Privacy Policy posted on the GSARA web site. This policy has been recently adopted and we urge all the members to review it and understand its importance relative to the aggressive program of publicizing the club and its members via the Propagator and the web site.

The Ham Help Program by initiated by Paul Newland, AD7I is just about finished with the organizational phase and will become operational very shortly. The program is described in the propagator and Paul is asking for volunteers to assist with the operational phase. Paul has put a great deal of thought, time and effort to create Ham Help and he is counting on the support, spirit and wealth of experience in our membership; so please step up to the plate and volunteer your expertise to assure the success of this very important program. If you are a new ham and are interested in gaining experience with this hobby, look to the website to sign or up for the introductory sessions and broaden your knowledge and enjoyment of the art of ham radio.

Field Day 2019 is June 22 and 23 and plans are well underway to make this event a huge success for GSARA. Our goals are to:

- enjoy the participation of as many members and the public as possible
- to have fun and develop comradery among the membership (con't on p 13)



# From the Editor

Bob Buus, W2OD

## EDITOR'S NOTES

I was shocked at the January 16 meeting to learn from John, KC2YWL, our Treasurer, that less than one-third of our members have paid their 2019 dues. Although you have another month (until March 6) before you will be removed from our Roster and mailing list, I ask you to take care of this ASAP.

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 114 members on our Roster. Let's not let it drop below 100 because you forgot to renew.

In researching the article in this issue about early AM broadcasting, I was struck by the similarities to the TVI problems amateurs had in the 1950s, before cable television. My first transmitter was home-brewed and not well shielded so when I went on the air I jammed most of the dozen or so TV sets in our town. After I upgraded to a TVI-proof Viking II, my spurious emission disappeared but I still got accused of interfering with TV reception in our town – even when I wasn't even on the air. Once you get a bad reputation, it's hard to live it down.

Similarly, in 1922 hams were broadcasting in the amateur band and interference by other amateurs in the same band was inevitable. When the Department of Commerce put the broadcasters all on 360 meters and pushed the amateurs to 150 to 200 meters, much of the problems were solved. Except for the fact that multiple broadcast stations were assigned the same frequency so when two nearby stations were on at the same time, the resulting heterodyne produced a severe howling to all listeners. Guess who got the blame?

The problem was only resolved in 1923 when the broadcasters were spread out across what is now the AM broadcast band. Until then, there were many avid listeners who wanted all amateurs put off the air.

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

73 de Bob, [w2od@arri.net](mailto:w2od@arri.net)



## Congratulations, Chris, W2NQB GSARA Member-of- the-Year Celebration Lunch March 2

**This year's luncheon celebration for Chris Wantuck W2NQB, our 2018 GSARA member of the year will be held at Zachary's Restaurant in Oceanport on March 2, Saturday at 2:00 P.M.**

**The cost per person (wives and friends are welcomed) is \$22.50, in cash or check (made out to GSARA) and given to Treasurer John Chunga or to John KA2F or any officer.**

**The luncheon will include assorted appetizers, rolls and butter, salad, dessert and a choice of entree (Chicken Marsala, Tilapia Francaise, Prime Rib--all with a side of pasta). Water, soda and iced tea are part of the meal.**

**Please do not wait. Get your order in as soon as possible.**

**John KA2F**

**Congratulations!**

# MEETING TIMES

The next GSARA meeting will be on Wednesday, February 6 at 7:30 PM at the Red Cross. This will be a program meeting and the program will feature our new President Art Olson, N2AJ0 who will talk about Logbook of the World. If you are not yet using this free means of confirming contacts, come to the meeting to find out how use this ARRL benefit available to all amateurs whether an ARRL member or not. Guests are welcome and refreshments will be served.

The second meeting in February will be held on Wednesday, February 20 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

### VE TEST SESSION FEBRUARY 23

The GSARA monthly test session will be held at the Red Cross Regional Headquarters in Tinton Falls on Saturday, February 23 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.

## New Ham Help

The GSARA will be starting a program in February that we are calling "New Ham Help". The idea is to contact people who have been newly licensed and invite them to a small group round-table discussion to give them info and support, to help them get on the air. You can see more details on this page and sign up for help! <https://www.gsara.club/new-ham-help/>



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

# Now You Know!

By Bob Buus, W2OD

## AMATEURS AND RADIO BROADCASTING

By Bob Buus, W2OD

Radio amateurs played a key role in creating what we now call radio broadcasting but the success of broadcasting almost killed amateur radio. Here is what happened.

One of the first vacuum tube CW transmitters was built by radio amateur Frank Conrad, 8XK who worked for Westinghouse in Pittsburgh. (Hmm, I wonder where he got the power tubes?) He also built a powerful vacuum tube amplifier that could modulate his CW transmitter so he could transmit his voice. He surprised more than one CW operator by coming back to a Morse CQ with an AM voice response!

On October 17, 1919, Frank played a phonograph record of music on his 8XK station. The amateurs listening to his station asked him to play more music so he started to play 2 hours of music every Wednesday and Saturday night to about 100 listeners in the Pittsburgh area. Frank called this activity "broadcasting." When Frank's limited supply of records got redundant, a local record store offered to supply him with more records if he would tell his audience where the records came from - thus giving the store some advertising.

Westinghouse Vice President Davis listened to Frank's broadcasts regularly and saw a business opportunity so he convinced the Westinghouse company to take out a license which was granted to station KDKA on October 27, 1920. The first broad-

cast was the presidential election returns on November 2, 1920 but because of some unknown problems, the experimental call "8ZZ" was used on a wavelength of 550 meters (545 kHz). When KDKA finally got on the air, it started on 330 meters (909 kHz), moved to 375 meters (800 kHz) and finally to 360 meters (833 kHz). By the fall of 1921, Westinghouse had three other stations on the air, all operating at 360 meters (833 kHz). They were WJZ in Newark, WBZ near Boston, and KYW in Chicago. Westinghouse thought that they had exclusive use of 360 meters but the Commerce Department didn't agree and started assigning other commercial stations to 360 meters.

The Westinghouse stations were not the only stations broadcasting in 1921 because many radio amateurs had built modulators for their CW transmitters and got a kick out of playing with broadcasting. So there were lots of ham stations broadcasting news and playing music in the amateur radio 275-200 meter band (1.1 to 1.5 MHz). At the close of 1921, there were 1200 broadcast stations on the air. Most were licensed amateur stations, but there were a few licensed commercial stations assigned to 360 meters and many unlicensed commercial stations on whatever wavelength they could get by with. The proliferation all of these broadcast stations encouraged many thousands of people to buy a receiver or have a ham radio friend build one for them. Most of these radios were crystal sets because they were cheap but they had very poor selectivity.

The resulting interference was inevitable. Particularly galling to a listener who spent a lot of money for his receiver was to have the program he was listening to be interrupted by the thump, thump, thump (or worse, the buzz, buzz, buzz of spark) from a



In the 'My Favorite QSL' column last month, Mike's callsign was incorrectly stated. It should be W2MJP. Sorry about that, Mike.

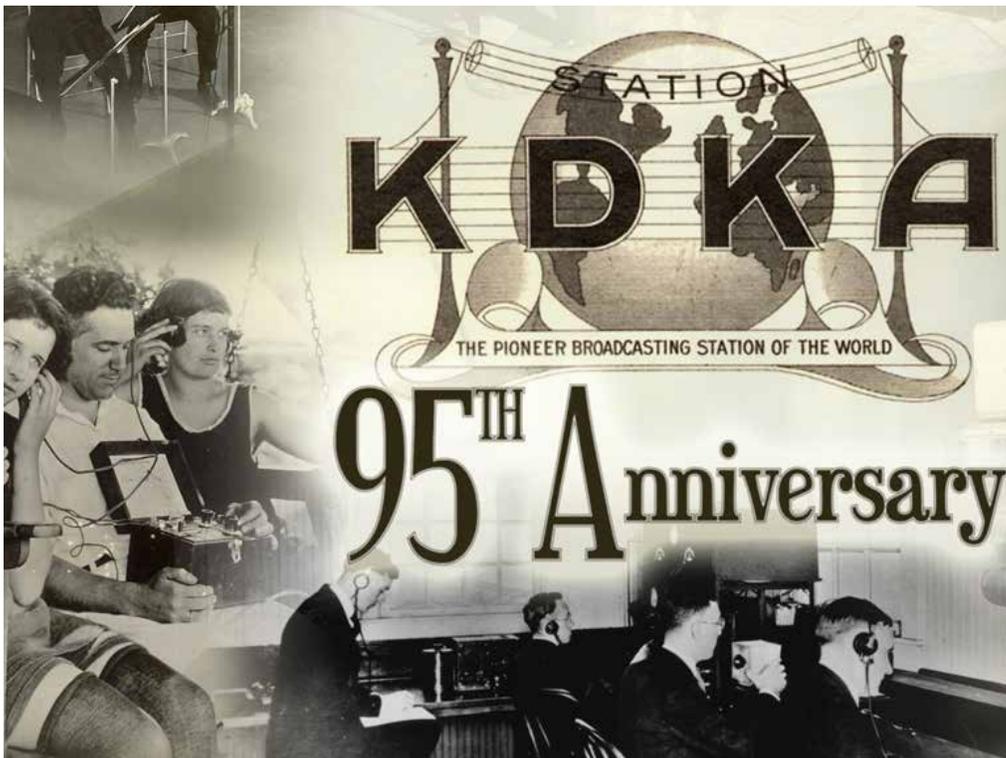
In the words of the movie 'Slapshot' (almost surely the greatest hockey movie ever made!), I will now go to the penalty box and feel shame!



Cy, K2CYS

radio amateur down the street. These people wrote to their congressmen and demanded action. The ARRL asked amateurs to cooperate with the interfered listeners and try to alleviate the problem - even if it meant staying off the air during the peak listening times in the evenings. The League also encouraged amateurs to go to higher frequencies further removed from the 360 meter broadcasters.

To address the broadcast interference (BCI), the Department of Commerce amended the radio rules in January 1922 to require all commercial broadcasters to obtain a commercial license from the Department and it prohibited radio amateurs from broadcasting or playing music. Although this helped reduce some of the interference and put the amateur broadcasters off the air, it was not enough.



Next, Secretary of Commerce Herbert Hoover called for the First National Radio Conference to be held in Washington from February 27 to March 2, 1922. It quickly became clear that the issue wasn't between amateurs and broadcasters but instead was between the monopoly radio corporations (RCA and AT&T) and the private interests of amateurs and small radio manufacturers. The final report of the conference, adopted on April 19, 1922, made a number of recommendations. Amateurs got exclusive use of 200 to 150 meters

(1.5 to 2 MHz) with 310 meters (1.1 MHz) allowed for some inland stations in sparsely populated parts of the country. Broadcasters were all assigned to 360 meters (833 kHz) but a new wavelength at 400 meters (750 kHz) was authorized for broadcast with some restrictions ("mechanically reproduced" programs were prohibited) so few stations were interested in moving to the new frequency.

The Conference, for the first time, defined amateurs as:

"An amateur is one who operates a radio station, transmitting or receiving, or both without pay or commercial gain, merely for personal interest or in connection with an organization of like interest."

The Secretary of Commerce imposed a silent period on all amateur stations from 8:00 to 10:30 pm daily and during Sunday morning church services. Although this was beyond the powers of the Department, the amateurs complied with this request knowing how serious the problem of BCI was going to be until better receivers became available to the public later in the decade.



By the middle of 1922, there were 380 stations in the United States on 360 meters. The New York City area had 10 licensed stations on 360. Los Angeles was even worse, with 20 licensed stations. By the end of February 1923, there were 524 licensed broadcasters - almost all on 360 meters. The interference was fierce and the stations on 360 were forced to work out time-sharing arrangements which did not always go well since most stations wanted time in the evenings and not all stations could be accommodated. A further complication was due to the fact that the stations were incapable of staying accurately on frequency so there were howling heterodynes when two stations near the same frequency were on at the same time. Something had to be done.

Commerce Secretary Hoover convened a second radio conference beginning in March, 1923. At this conference, the conversion was made to designate frequency instead of wavelength to denote the station allocation. The broadcast band was expanded to go in 10 kHz steps from 550 to 1350 kHz (545 to 222 meters) similar to what it is today. Gradually, the 360 meter stations moved to new frequencies and, with better receivers, the BCI problem became much less serious.

So now you know.

# CLUB SHOTS



From the January 2 meeting, clockwise from left to right:  
John, KA2F giving his presentation on the Morro Castle; Mike, N2MN votes on the two new members to the club; Art, N2AJ0 chairs his first meeting as President; Shannon, KD20IJ enjoying the meeting.

# PROJECTS BY OUR MEMBERS

## New Shack at K2NPT



Congratulations to Denis, K2NPT, who has just finished configuring his cozy new shack! It is a wonderful ham radio space and Denis's family now knows where to find him for dinner! Nice job, Denis!

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!

# My Favorite QSL Card

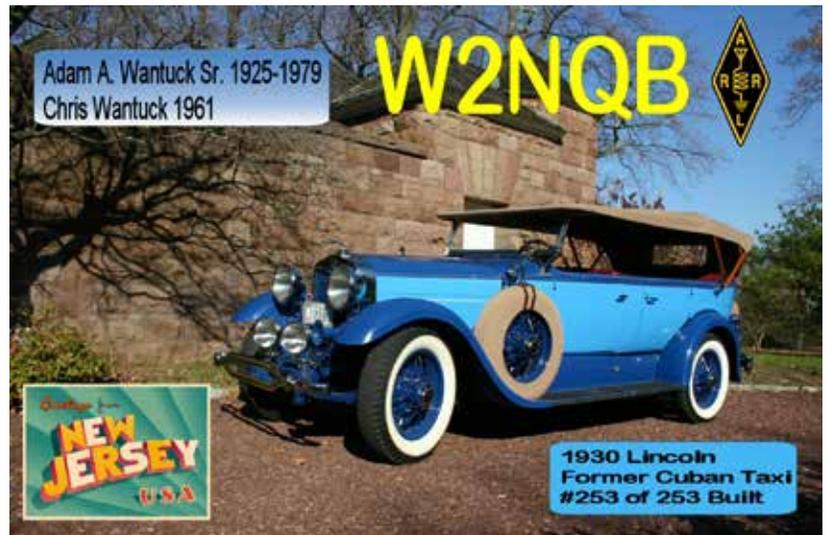
The QSL card for W2NQB shows a 1930 Lincoln Sport Touring Car in front of a stone wall that was part of a carriage house once owned by Adam Wantuck, Sr. (W2N-QB). The significance of these two icons begins with the Lincoln.

## Acquiring the Lincoln

It was to be the vacation like no other for Adam and Helen Wantuck, planning their trip with another couple. A flight to Miami, Florida followed by a cruise to the adult playground in the Caribbean. This was a place where it was warm and sunny during the day and in the evening, night clubs began their activities at 9:00 PM and went till 3:00 in the morning. Staterooms were selected on the cruise ship and reservations were made at a grand hotel for an entire week. These were the arrangements made by the local travel agent for the two couples. One other arrangement was needed, hire a taxi for the entire week so that traveling around the area would not be a chore. It was during the winter of 1958 and the final destination was Havana, Cuba.

Once off the cruise ship, the two couples quickly met up with the hired taxi driver, standing next to a pale green touring car with hand painted black trim, black canvas roof, and aging dark grey leather seats. This was definitely the right car as the license plate read Alquiler, Spanish for livery or rent. The driver's car was a 1930 Lincoln, model L, type 177 seven passenger touring. At that time where exactly the driver acquired the Lincoln was unknown, however clues would be emerge some 45 years later.

During the first night at dinner, Adam thought about the touring car. He had been collecting classic cars for four years now.



He already had two K model Lincolns he bought from a Yonkers vocational school and two Lincoln Zephyrs. Acquiring collector cars was a hobby he had already gotten his new wife to accept. What about this model L Lincoln? Sometime between the end of the entrée and desert, Adam excused himself from the table.

He could be seen across the open café and parking lot talking to the Lincoln's



owner & driver. Fifteen minutes later he returned to the table and the only words Helen spoke were "You bought the car didn't you?!"

The remainder of the trip included the driver and Adam taking turns driving the Lincoln around Cuba's winding roads lined with palm trees, to include even on the island's white beaches.

At the end of the cruise, the newly acquired Lincoln was loaded onto a ferry that traveled between the island country and Key West Florida. Once on US roads, it was a long journey back to New Jersey, traveling mainly on US Highway 1 as Interstate 95 didn't really exist yet. Somewhere in Southern New Jersey (near Camden) the engine broke down and the Lincoln touring car was towed to a farmer's barn Adam was already renting for car storage. At some point afterwards, the engine's heads were removed and the problem was easily identified as cracked pistons.

### The Restoration

Restoration began by researching the Lincoln through the Henry Ford Museum at Greenfield Village. The records available at the time showed serial number only as an export. Also, a copy of a Lincoln letter dated December 9, 1930 clarified the options and color schemes available. It read that for an additional cost of \$100, a customer could have the chassis, fenders, side dust shields, radiator dust shield, radiator shutters, side tire carrier brackets, and trunk rack painted the same color as the body color. Since the chassis, fenders, and the other cited pieces on this Lincoln was painted a dark green which matched the body color after stripping the body paint along with the speedometer calibrated in Kilometers, it was now apparent that this Lincoln touring was an ordered car for someone in Cuba.

The actual restoration commenced in 1986 and was interrupted several times by the usual occurrences of life such as purchase and renovation of the house, Graduate School, more military schooling, the job itself, and serving eight years as an Officer for a charitable organization. Plans called for a complete ground up restoration, which included having the body's wooden structure rebuilt due to partially rotten wood members in key structural areas of the car. The body was carefully lifted off and sent to a wood worker while the chassis was stripped and the engine completely dismantled, thoroughly cleaned, machined and painted. The chassis was painted a fresh coat of dark blue

enamel, following the optional color scheme that originally was on the car. The body was hoisted back onto the chassis and the body and doors were aligned by adjusting the ten chassis body mount shims. The electrical wiring was completely replaced which included strategically locating a master battery disconnect switch on the right side panel under the cowl within easy reach of the driver. An additional taillight on the passenger side was also added in the interest of safety. Directional signals were integrated into the wiring using the rear brake lights and the front cowl lights. The body was painted the two tone blue and the fenders, side dust shields and running boards were painted, aligned, and fastened to the car. The last pieces to be mounted were the hood and radiator assembly.

The Lincoln touring was sent to a well established upholstery shop in Linden, NJ. The seats and door & side panels required nine hides of maroon leather and ten yards of Stayfast material for the top, side curtains, and boots for the top, spare tires and trunk. The final restoration activities included mounting the door sill plates, completely refurbishing the accessory trunk, and mounting chrome trim items such as headlights and top bow brackets. The side curtain "snap" body receptacles were designed, machined, chrome plated, and carefully screwed into the body holes. The final touches were having striping artist Lew Mazza apply two stripes along the belt line and attaching the two cigar lighter elements to their corded tips. After so many years of undergoing restoration, a thorough and complete cleaning and polishing was performed prior to its first show.

The QSL card combines Adam Wantuck's call, the carriage house where he once lived, and the 1930 Lincoln, now all finished. The logo "Greetings from New Jersey" (recognizable by most Garden State residents) has its design dating back to the 1930's, period correct for the Lincoln. This is after all a QSL card where it's appropriate to announce the Ham's state of origin.

# WELCOME to GSARA

The following new members to GSARA were voted in as active members at the January 2 meeting:

**Marlo Montanaro, KA2IRQ** from Eatontown was a past member of GSARA and we're glad to see him back. Licensed since 1980, he holds an Advanced Class license and is active on HF, VHF and UHF in all modes. His interests are DX, Con- tests and general Rag Chewing. Marlo is an Electrical Engi- neer - Project Manager and is a member of ARRL. He is also interested in photography. Please add to your Roster:

Marlo Montanaro, KA2IRO  
724 Mill Pond Way  
Eatontown, NJ 07724  
732-207-7343  
ka2irq@comcast.net

**Fritz Kirchof, W2CET** from Howell has been licensed since 1978 and holds a General Class license. He is a retired Notary Public and certified signing agent. His amateur radio interests include PSK, Fusion and other digital modes on HF as well as VHF and UHF. An ARRL member, he is also interested in pho- tography. Please add to your Roster:

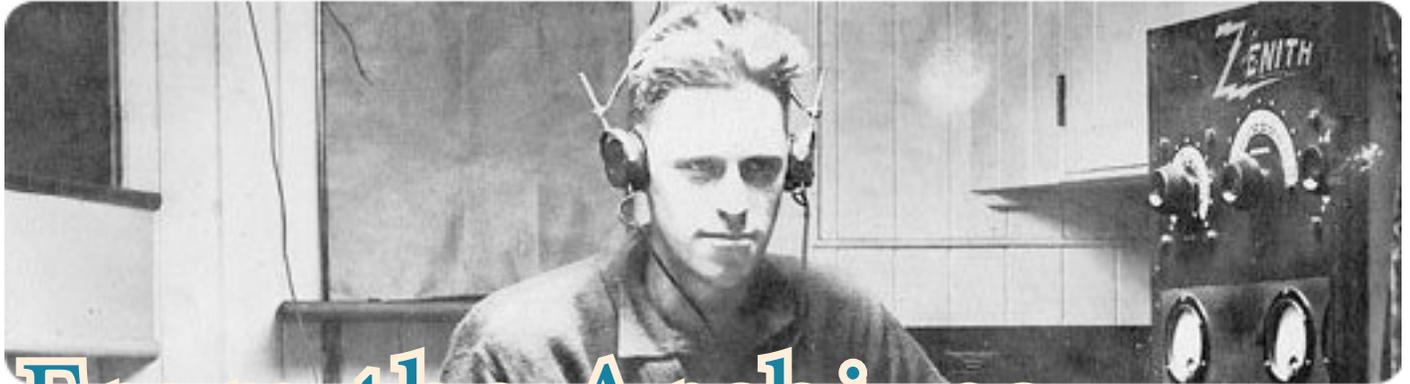
Fritz Kirchof, W2CET  
109 Moses Milch Drive  
Howell, NJ 07731  
732-581-3438  
fritz.kirchof@gmail.com

The following member was voted in at the January 16 meet- ing:

**Gary Bode, AB2TR** from Long Branch has been licensed since 1995 and holds an Extra Class license. He is active on VHF and UHF with a Yaesu FT2D and Kenwood TM-733A and on HF with a Yaesu FT-857. Gary is a correctional Police Lieu- tenant and a member of ARRL. Please add to your Roster:

Gary Bode, Jr., AB2TR  
50 Chelsea Ave., Apt 423  
Long Branch, NJ 07740  
732-687-1668  
Gary.bode.jr@gmail.com





# From the Archives

## **FIVE YEARS AGO**

From the February 2014 Propagator: Rich, N3RB has moved the GSARA VE Test Sessions to the fourth Saturday of the month. The January program meeting featured avid DXer Bob Boule, W2OKM who is on the top of the DXCC Honor Roll with 394 countries confirmed. Volume 1, Number 1 of The Propagator came out 30 years ago. The W2GSA station now has digital PSK-31 capability. John, KA2F provided a listing of the contents of the GSARA Library. John also provided a history of GSARA and the Red Cross going all the way back to 1931.

## **TEN YEARS AGO**

From the February 2009 Propagator: Joe, W2KQ; Frank, W2XYZ; and Mike, KC2Q are planning a DX-pedition to Barbados in February. Our radio room at the Red Cross is ready to move our equipment into. Jeff, N2LXM ran a 1-day Technician class at the Red Cross Disaster Institute on January 24 and 10 participants passed the exam at the end. Sam Suffill, W2SHS has been appointed Assistant Webmaster for when Josh, KC2TKK is unavailable.

## **FIFTEEN YEARS AGO**

From the February 2004 Propagator: GSARA was meeting on the first Wednesday of each month at the MARS station at Ft. Monmouth. Members were encouraged to come early and operate the station which was coordinated by Marty, WN2DX. Bernie Schreiber, W2QFQ (SK) donated a 50-year old copy of the GSARA roster to the archives showing 148 members in 1953-54. OMARC was running classes on Monday evenings for Technician and Morse and on Thursday evenings for General. This was coordinated by Larry, KB2RIS (SK). ARRL proposed three levels of amateur licensing which became our present Technician, General, and Extra. Code (at 5 WPM) was only required for the Extra class. Interestingly, ARRL also proposed phone privileges for Technicians.

## **TWENTY YEARS AGO**

From the February 1999 Propagator: ARRL was pondering a name change to drop the word "Relay" from the name. Experimental licenses were issued to 15 amateurs to operate in the 5-MHz band. Starting February 1, 1999, ARRL members can have their e-mail addresses as call@arrl.net forwarded to their standard e-mail.

## TWENTY-FIVE YEARS AGO

From the February 1994 Propagator: New members joining GSARA were Joe Wilkes, WA2SFF and Mike DiPersio, KC2Q. The NJ DEP has proposed registering radio towers. Members were encouraged to send a letter of protest modeled after a sample published in the Propagator.

## THIRTY YEARS AGO

There was no Propagator for February 1989.

## THIRTY-FIVE YEARS AGO

From the February 1984 Propagator: Vince, KE2V had a nearly 2-page article on Maximum Power Transfer. Barry, WA2JKS had a nearly 3-page article on how to add a branch circuit to power your shack. Phil Petersen, W2DME (SK) contacted 5N6SBA in Nigeria to find the status of a blind missionary and relayed it to her grateful parents.

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### ***From the VP, con't***

- score points on the air and also earn a share of the many bonus points that are available.

Through the initiative of Chris Wantuck, W2NOB an application has been made to host our field day at the Allaire State Park. A great Venue!

This year, rather than having one person chair the entire field day, we will be asking later this month for several committee chairs to head various aspects of the operation. More on this at the next business meeting in February.

Meeting attendance is up and there is a renewed vigor in the club so let's keep it going. The buzz words for 2019 are participation and energy!

73

*Denis* K2NPT

## 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 Lunches*

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.



# Tuesday Net Report

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

KA2F (4), KZ2G (4), KA2IRQ (4), K2MFS (4), W2OD (4), WB2RPW (4), N2FSB (3), KB2FSH (3), N2HGI (3), AD7I (3), WA2JOE (3), AC2MB (3), W2MJP (3), W2NAZ (3), K2NPT (3), KD2PYO (3), N2AJQ (2), KD2EJW (2), N2MEP (2), K2RLF (2), W2UTR (2), NF3E (1), KD2MGE (1), and KC2YNL (1).

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

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## 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)



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

## 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!

# 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, WA1PCY 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@arrl.org](mailto:k2cys@arrl.org). Do you have any other great ideas for the site? Let Cy know.

# Get Involved



## GSARA Officers

### Officers

Art, N2AJO – President

[olson339@comcast.net](mailto:olson339@comcast.net)

Denis, K2NPT – Vice President

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John, KA2F – Secretary

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John, KC2YWL – Treasurer

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Phil, N2EDX – Chief Engineer

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W2HAM Lou Russo, 732-842-6431

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Radio Room Phone, 732-493-9100, X1252

## **NOTES ON CALENDAR (see next page)**

Large Call letters denote birthdays e.g. W2OIB February 2. All times are in EST. Contests are listed in the February QST, p. 89.

February 1 and every Friday – Lunch at the Blue Swan Diner in Ocean at noon. Table at back left.

February 2 – North American CW Sprint from 7 pm to 11 pm. See <http://www.ncjweb.com/Sprint-Rules.pdf>

February 4 - Monmouth County ARES/RACES Net meets on 147.045 +600, PL=67.0 at 8:00 pm

February 5 – 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)

February 5 – Old Barney ARC Meeting at 7:30 pm in Manahawkin, NJ. See <http://www.obarc.org>

February 5 and every following Tuesday – GSARA Net on 147.045 PL=67 at 8:30 pm.

February 5 and every following Tuesday – QCWA News Net on 147.045 PL=67 at 9:00 pm.

February 6 – GSARA Program Meeting. The program will feature our new President Art, N2AJ0 who will talk about Logbook of the World. Refreshments will be served. Don't miss it!

February 6- W1AW Qualifying Run at 7 pm (10-35 wpm). See February 2019 QST page 101 and [www.arrl.org/qualifying-run-schedule](http://www.arrl.org/qualifying-run-schedule)

February 7 - HCARC Meeting 7 pm at Holiday City South Clubhouse in Toms River.

Feb. 8-10 – CQ WW RTTY WPX Contest from 7 pm Fri. to 6:59 pm Sun. See <http://www.cqwxrtty.com>

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

Feb. 11-15 – ARRL School Club Roundup from 8 am Mon. to 6:59 pm Fri. See <http://www.arrl.org/school-club-roundup>

February 13 – Holiday City VE Session at 7 pm in Toms River. Contact is Larry Puccio, K2QDY at 732-349-2950 or e-mail at [lpucio1@comcast.net](mailto:lpucio1@comcast.net)

February 14 – JSARS meeting in Riverwood Park Rec. Building, Rt. 527 and Riverwood Drive at 7:30 pm.

Feb. 15-17 – International CW DX Contest from 7 pm Fri. to 6:59 pm Sun. See <http://www.arrl.org/arrl-dx>

February 18 - Monmouth County ARES/RACES Net meets on 147.045 +600, PL=67.0 at 8:00 pm

February 20 – GSARA Meeting at 7:30 pm at the Red Cross in Tinton Falls. Regular business meeting. Refreshments will be served.

February 21 – W1AW Qualifying Run at 4 pm (10-35 wpm). See February 2019 QST page 101 and <http://www.arrl.org/qualifying-run-schedule>

February 21 – JSARS VE Test Session at 7:00 pm Riverview Park Recreation Bldg., Rt. 527 and Riverwood Drive in Toms River. Contact Ed Genoino, WA2NDA at 609-971-2792 or [wa2nda@comcast.net](mailto:wa2nda@comcast.net).

Feb. 22-24 – CQ 160-Meter SSB Contest from 5 pm Fri. to 5 pm Sun. See <http://www.cq160.com>

February 23 – GSARA VE Test Session at 11 am at the Red Cross in Tinton Falls. See page 1.

Feb. 23-24 – North American RTTY QSO Party from 1 pm Sat. to 12:59 am Sun. See <http://www.ncjweb.com>

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1 Blue Swan lunch	2 <b>W2OIB</b> NA CW Sprint
3 <b>W2NQB</b>	4 ARES/RACES 8 pm	5 <b>N2ZZP</b> Old Barney GSARA Net 8:30 QCWA News 9 PM	6 CW Qual. Run GSARA Mtg	7 HCARC Mtg	8 Blue Swan lunch CQ WW RTTY WPX	9 OMARC Mtg. CQ WW RTTY WPX
10 CQ WW RTTY WPX	11 School Club	12 School Club Old Barney GSARA Net 8:30 QCWA News 9 PM	13 School Club Hol. City VE	14 School Club JSARS Mtg	15 School Club Blue Swan lunch Int. CW DX	16 <b>KD2QDK</b> Int. CW DX
17 Int. CW DX	18 ARES/RACES 8 pm	19 <b>WB2ERY</b> GSARA Net 8:30 QCWA News 9 PM	20 <b>K1MH</b> GSARA Mtg	21 CW Qual. Run <b>KA2IRQ</b> JSARS VE	22 Blue Swan lunch CQ 160 SSB	23 GSARA VE CQ 160 SSB NA RTTY QSO
24 CQ 160 SSB NA RTTY QSO	25 <b>KC2HCY</b>	26 Old Barney GSARA Net 8:30 QCWA News 9 PM	27	28 <b>KD2NAC</b> <b>AD7I (29)</b>		



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First Class