

Field Day Edition

THE Propagator

Garden State Amateur Radio Association



W2GSA
JUNE 2019

8 Donner St.,
Holmdel, NJ 07733



Propagator Editor:
Bob Buus, W2OD

Propagator Design &
Production:
Cy Stanway, K2CYS

www.gsara.club
www.w2gsa.org

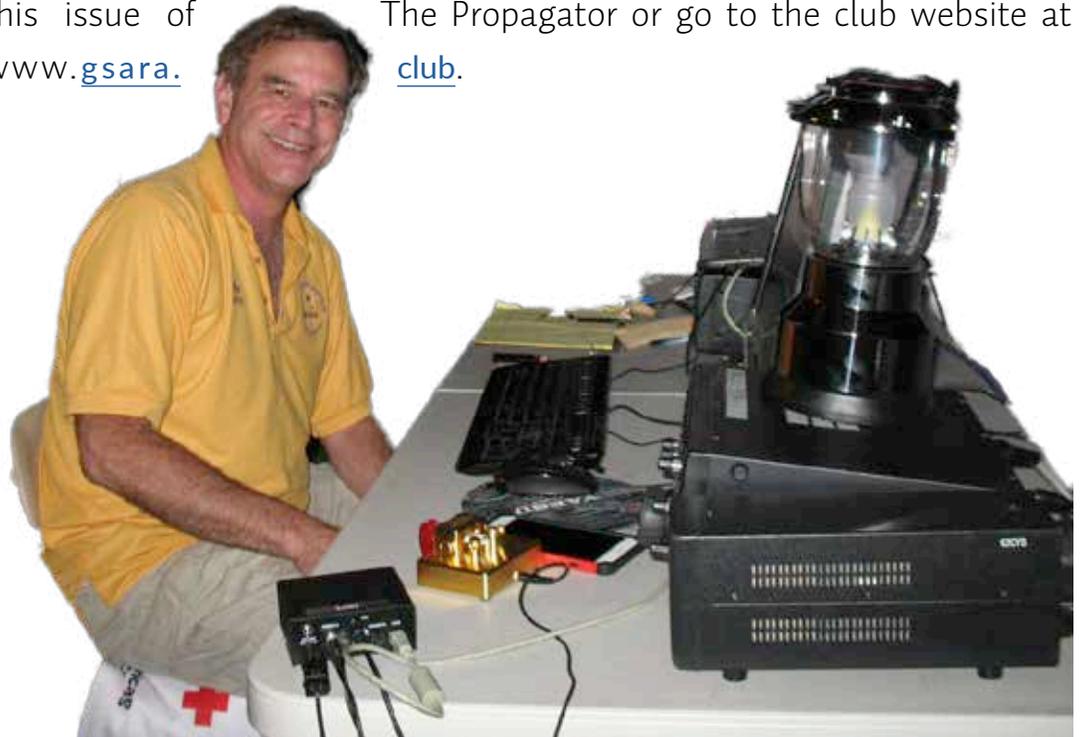
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(Analog FM) 147.045 +.600 -
(C4FM) Node 43360 PL 67 Hz



The 2019 ARRL Field Day is coming next month on June 22-23. GSARA is going to effort a Field Day that includes several stations on the air at once, a GOTA station, public information table and even a family picnic on the Saturday of the contest 2 hours before the contest starts. Of course, we will be there for the entire FD experience and many of us will sleep at the site in Joel Palaia Park in Ocean Township. We will be powered by a generator and

we will operate whatever bands we can and whatever modes we can. BUT THE CLUB NEEDS YOUR HELP TO MAKE IT HAPPEN. See details inside this issue of *The Propagator* or go to the club website at www.gsara.club.

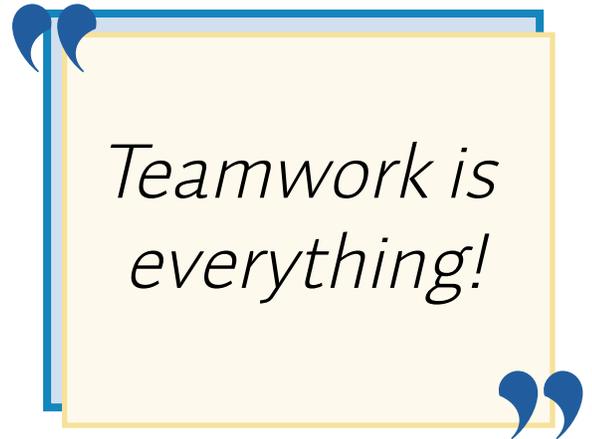




FROM THE VICE PRESIDENT

Denis Comette, K2NPT

In my April message, I stated that spring was upon us and, as you all know, to date spring has not yet arrived. Surely it will be spring weather for our signature event, Field Day 2019 to be held on June 22 and 23.



The planning activities are in full swing and we would like to thank the many members that have contributed to this effort to make field day a great success.

The members' meeting on June 5 will be devoted entirely to Field Day operations and will include familiarization with the overall plan, the protocol, the radios we will use and a hands-on demonstration of the logging program. The sign up sheet is posted on the [website](#) and we are always encouraging volunteers. This year our challenge is to volunteer and participate on site with the club and to have fun.

Lighthouse weekend will take place on the 17th and 18th of August. GSARA will participate on Saturday only and we have secured the Sea Girt Lighthouse for our set up. This is a fun, low-key event literally yards from the ocean on the site of a beautiful historic lighthouse constructed in 1896. Please add this important date to your calendar.

The Club Wear committee did a wonderful job selecting the hats and shirts to represent the spirit of our club. The response was excellent with approximately 25 members reserving hats (\$21) and or shirts (\$25). These items can be ordered at any time; please refer to the instructions on the web site. The committee would like to hear your comments or suggestions on what additional items you would like to have available.

Well time flies and the club is already in the process of organizing HamFest 2019 to be held at the MOESC parking lot on Saturday, September 28. Please add this date to your calendar and plan on attending.

It has been very rewarding to see the meetings so well attended, The Tuesday night net has set a new record for check-ins, the renovation to the radio room is progressing very nicely and you can feel the energy in the club. The officers are excited about the club's future and working with all the GSARA members.

Teamwork is everything!

FIELD DAY SAFETY & SECURITY

By Marlo Montanaro, KA2IRQ

SAFETY

Part of any Field Day operation is bonus points. These are points, added to your final score, for various activities such as copying a message from ARRL via W1AW, inviting public officials and emergency personnel to your Field Day site, etc. One of the bonus point categories is to have a Safety Officer appointed and on-site for the duration of the operation.

As the club Safety Officer this Field Day, I'll be on the lookout for any hazard that could potentially spoil someone's enjoyment of the activity. But I'll need your help! Keep in mind we will have some older hams, as well as family and possibly young children at our activity. I need everyone to make sure that everyone is safe at all times.

Safety is everyone's job. Simply put, if you see something you think may be unsafe, DO something about it. The thing you do may be to tell someone else- which is fine. If you are not able to improve the unsafe situation, get others involved. I assure you, no one will ignore you. The worst thing your can do is stay silent.

Our FD site will have several areas that you must be aware of. First will be the generator. There are three hazards here- gasoline, electricity, and heat. The Ocean Township Fire Marshall has instructed us to rope off the generator so no one accidently walks into the hot exhaust. The generator must be shut down for ten minutes PRIOR to us refueling it (we anticipate this happening only once during the 24-hour Field Day operation). And fuel must be stored away from the generator. While refueling, a second person needs to be near the fire extinguisher.

The second area of concern will be the antenna supports and guy wires... an area we will be roping off away from people walking. We will have several vertical masts, and these will each have several guy wires and/or tripods. While these are being raised and lowered, please keep clear unless you are participating in the raising/lowering activity. Follow all instructions of the person in charge of raising and lowering the antenna masts. The most dangerous part of anything mechanical is when it is in motion.

The third area of concern will be trip hazards. We will have tents, each leg being guyed to a tent stake. These will be flagged with colored markers. Coax cables from the antennas to the radios, power cables from the generator and batteries, etc., will be covered and labelled so no one trips over them.

The fourth area of hazard will be the large lead-acid batteries we will be using to directly power the radios. Slightly bigger than the typical car battery, these pack quite a wallop... and they will be co-located with the radios. So if you are operating, make sure you are aware of the battery in your area. They may also need to be charged from the generator via a battery charger.

And last, but certainly not least, is the cooking grill. We all have these... but let's keep any kids away.

The general setup should keep most of these hazards on the far side of the operating tents. Please do not venture into the roped off areas.

If you see any frayed wires, loose connectors, shock hazards, burn hazards, etc. SPEAK UP. Do not stay silent. Keep people away, fix the hazard (or get someone who can), and make sure all is safe before continuing your FD activities. If you are unsure about anything related to safety, find me and ask me.

FD occurs at the start of Summer and in the middle of thunderstorm season. In the event of a thunderstorm or inclement weather, we will be shutting down our operation until the hazard passes. Antennas and radios will be disconnected, the generator shut down, etc., and all equipment covered with a tarp. Note that the safest place to go, quickly, will be your car. But let's hope the weather holds out and this does not happen.

Please also remember that with Summer comes heat- please stay hydrated. Note that the park

will not allow any alcohol to be on site. Water, juice, soda...

Some things to note: we will have a first aid kit and portable defibrillator on-site. Police, fire, and first aid is only minutes away and will be aware of our activities in the park that weekend. We will also have several fire extinguishers throughout our FD site. Please make yourself aware of their location.

I would also like to ask that if you are trained/certified in CPR, please let me know.

SECURITY

As far as Security is concerned, I do not anticipate major problems. We are in a safe area. However, we will have some expensive equipment and people sleeping overnight on-site. Please make sure anything you bring to the site is labelled with your name/callsign so we can insure you get it back. Keep an eye on small, expensive items like tools, keyers, headphones, etc. that tend to “grow legs and walk away.” Even though we will be close by, please lock your car... radios and electronics are a popular “target of opportunity” while you are distracted working 20-M phone.

SUMMARY

Safety and Security isn't just about adding 100 points to our score... it's about everyone having fun with our great hobby, and showing off to the public, emergency personnel, and possibly the media, that the only thing “amateur” about us is we don't take money for ham radio... everything else is “professional.” Plus, we want you back for next year!!

Now, let's work 'em all!

73,
Marlo Montanaro, KA2IRQ

BOOK REVIEW

By Bob Buus, W2OD

ENERGY CHOICES FOR THE RADIO AMATEUR

By Bob Bruninga, WB4APR

This book was recently announced by the ARRL so I ordered it based on talks I have previously heard by Bob, WB4APR. Almost everyone knows Bob for his work many years ago in developing the Automatic Packet Reporting System (APRS) for tracking moving objects by using GPS and Packet. Less known

is that Bob has also done years of experimenting with solar power and electric vehicles. This book describes his work in an easy to understand manner.

The book starts out with extolling the virtues of DC (Edison would be proud) with highly efficient switching power supplies which can be powered by AC or DC. He points out the difficulty in switching high DC currents. He shows the advantages of using solar panels with grid-tie converters and net metering rather than storage batteries. Chapter 6 points out the potential for serious RFI problems but is light on mitigation procedures.

Later chapters discuss hybrid and electric vehicles for transportation including some DIY hacks he has successfully done. Bob wraps up the book with a pitch for solar electricity to improve the environment.

I found the book well written and easy to understand. It is worth the time it took to read it and I highly recommend it. I am donating my copy to the GSARA library. Check it out!



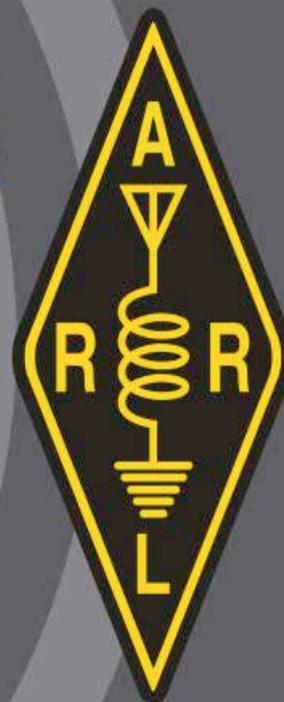
Our Condolences

GSARA extends its condolences to the family and friends of Nelson Smock, KD2DMA, of Manalapan, NJ. Nelson died peacefully May 2, 2019 at Jersey Shore Medical Center, Neptune, New Jersey surrounded by his family. Nelson was a member of the club for several years.

Trying the 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

FIELD DAY 2019



**SAVE THE DATE FOR GSARA FIELD DAY
SATURDAY & SUNDAY JUNE 22-23**

**AMAZING OPPORTUNITY TO DO HAM RADIO ALL WEEKEND!
MENTORS WILL BE AVAILABLE FOR NEW CONTESTERS!**

SITE IS JOE PALAIA PARK!

SEVERAL STATIONS!

FAMILY PICNIC AT NOON ON JUNE 22

CW/DIGITAL/SSB OPERATIONS!

GOTA (GET ON THE AIR) STATION!

WELCOME DESK!

WATCH THE CLUB SITE & PROPAGATOR FOR DETAILS



FROM THE EDITOR

Bob Buus, W2OD

CSARA had a good showing of members helping with back-up communications for the NJ Marathon held in the Long Branch area on Sunday, April 28. This was a big event with lots of runners participating. Although the weather was cold and raining, the volunteers hung in there in spite of the uncomfortable weather. Congratulations to all who helped.

Hats off to Lew Anderson, W2CRW who made his first contact after 50+ years of absence from amateur radio (see article elsewhere in this issue). Furthermore, he used the same call letters he had those many years ago. I was absent from amateur radio for about 10 years when we lived in an apartment and the kids were being born. I had sold all of my old AM radios so it was quite a thrill to have a SSB contact after a 10-year absence. It must be a much greater thrill after a 50+ year absence. Hang in there Lew and again enjoy this greatest of hobbies.

I really enjoyed reading Bob Bruninga's book on Energy Choices reviewed elsewhere in this issue. I appreciated his describing his many projects and experiments – some of them rather unsuccessful. I admire his wife and family for putting up with some of his unusual experiments. It doesn't take long to read and I guarantee that you will learn something about alternate energy that you never knew before. Take it out of the GSARA library and enjoy a good read.

I apologize for making the Now You Know article about the history of radio amateur call signs so long that it has to be written in 2 parts. At least I hope to finish it in one other part. The more I dug into it, the more interesting (to me) tidbits I found that I had to share. I hope you enjoy it.

When you check on the June 22 date of the VE test session, you may realize that it is the same day as the kick-off of Field Day 2019. That was no mistake. Hopefully, we can get some of the candidates who show up that day to mosey over to our Field Day site and perhaps get on the GOTA station.

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

73 de Bob, w2od@arrrl.net

MEETING TIMES

The next GSARA meeting will be on Wednesday, June 5 at 7:30 PM at the Red Cross. This will be a program meeting and the program will feature Denis, K2NPT and the various Field Day Chairmen talking about Field Day plans and how to operate and log for the Field Day event. Guests are welcome and refreshments will be served.

The second meeting in June will be held on Wednesday, June 19 at 7:30 PM at the Red Cross. This will be a regular business meeting and will include last minute updates to our Field Day operations. 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, June 22 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 732-567-4396 or n3rb@arrl.net.



Get your ham radio license this month!

New Column: Those were the Days



I dug up this 1954 picture of me in my ham shack at that



time. The equipment lineup on the desk from left to right shows the right half of the Viking II transmitter (it was huge), then the Viking VFO with a home-brew Monitone (for monitoring CW) on top, the National NC-57 receiver with a home-brew S-meter and the home-brew VFO power supply on top. Note the air-core balun near the ceiling and the

light fixture hanging from the ceiling (the shack was in a windowless part of the basement). The dark rectangle above the right side of the world map was a home-brew ON AIR sign which lit up when transmitting. I was either an old 16 or a young 17 at the time.

73 de Bob, W2OD

Do you have a picture of your much younger self (25+ years ago) in your shack. Send it to Cy, K2CYS at k2cys@arrl.net and share that picture with the club!

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

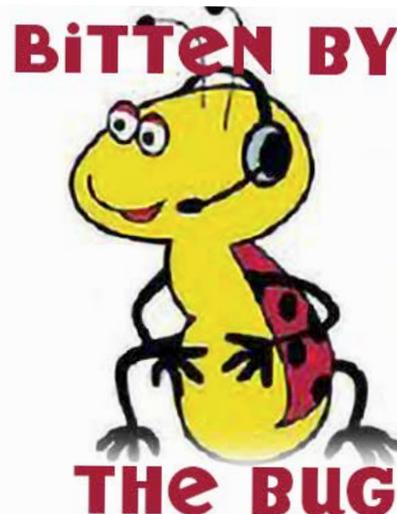
FIRST CONTACT AFTER 50+ YEARS

On Sunday, May 5, Lew Anderson, W3CRW made his first contact in over 50 years with John, W4FA in Greenville, South Carolina. Congratulations!

At the urging of Marty, N2BMK, Lew recently took the amateur exam and passed his Technician and General at the first sitting. He went on last month to upgrade to Extra. His W3CRW call is the one he first had back in the early 1950s and had let it lapse until now.

A member of GSARA, Lew said, “You have all had a hand in this – thanks for the help and encouragement.” He still needs a tuner and would like to raise his antenna a bit higher but he is making good progress.

Hats off to Lew for getting back into this fascinating hobby after a long absence. May the contacts continue!



NEW NNJ SECTION MANAGER

Steve Ostrove, K2SO, of Elizabeth, New Jersey, will become the Northern New Jersey Section Manager once again in July. Ostrove previously served as Section Manager from 2016 until 2017. Northern New Jersey SM Rob Roschewsk, KA2PBT, decided not to run for a new term after serving for the past 2 years.

BATTERIES AND THE AIRLINES

Pilot Tom Mills, AF4NC, travels frequently to QRP operating and hiking locations around the world. He has completed the Appalachian Trail, the John Muir Trail and summited 11 peaks over 14,000 feet in Colorado. Mills uses an Elecraft KX-1 or KX-3 with a simple MFJ vertical antenna and a 12 V 7 Ah battery. He carries his gear in a Tamerack Expedition 10 camera backpack, which has enough padding, pockets, and external holders for two water bottles. It has plenty of room for accessories including the small an-

tenna tuner and Begali key.

When travelling, some amateurs have simply purchased a new battery at their destination rather than deal with the perceived hassle of transporting a battery. (Using AAA or AA batteries is just not enough power if you are out for a few days).

Mills is often asked what kinds of batteries can be transported on a plane. After research, he has determined that non-spillable wet batteries (absorbed electrolyte) up to 12 V and 100 Watt-hours are permitted to be carried aboard planes. Absorbed electrolyte battery types include gel cells, AGM, etc. Batteries must be kept in a strong outer case with the terminals protected from shorting out with non-conductive caps, tape, etc. Mills says his 7 Ah batteries can be carried in “carry on” or checked baggage.

Passengers are limited to carrying two batteries. Watt/hours are calculated: 12 V times the rated capacity in Ah of the battery. In Mills' case, his battery is permissible on board: 12 X 7 is 84 watts, less than the 100 Watt-hours maximum permitted.

While the above is a Federal rule, the airlines can impose stricter rules. Mills has not had any problems with US air carriers, but a good precaution is to check with the carrier before leaving home. When travelling on foreign air

carriers, check with them directly, but from what Mills has said, he has not heard of any problems.

Here is an FAA “pack safe” page that presents battery restrictions:

<https://www.faa.gov/hazmat/packsafe/>

See also:

https://www.faa.gov/about/office_org/headquarters_offices/ash/ash_programs/hazmat/passenger_info/media/Airline_passengers_and_batteries.pdf

From ARRL ARES E-Letter, May 15, 2019

The GSARA Propagator is designed in
InDesign CC 2019
Editor: Bob Buus, W2OD
Layout: Cy Stanway, K2CYS

You are invited to submit articles and ideas

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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!

GSARA Swag

GSARA Patches

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

GSARA Hats and Shirts

Cost is \$21 for Hats and \$25 for Shirts, in your choice of Blue or Stone color. To place your order, send Art artgold@verizon.net an email with your name, call sign, size (for shirts) and color. Payment will be due when hats and shirts are delivered.

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

In the last session in April and the first three sessions in May, we had 77 check-ins for an average of 19.25 per session. The following 25 members checked into this net (number of check-ins in parenthesis):

N2BCS (4), N2FSB (4), N2HGI (4), NA2J (4), K2MFS (4), W2MJP (4), W2NAZ (4), K2NPT (4), W2OD (4), K2RLF (4), WB2RPW (4), W2CET (3), KA2F (3), AD7I (3), KA2IRQ (3), KD2OXR (3), KD2PYO (3), KC2YNL (3), N2AJO (2), KZ2G (2), AC2MB (2), N2MEP (2), KC2SSU (2), N2BMK (1), and WA2JOE (1).

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

HISTORY OF AMATEUR CALL-SIGNS

Part 1

By Bob Buus, W2OD

Up until 1912, amateur radio was unregulated and the wireless experimenters in those times chose their own call signs, wavelengths and power. The call signs were usually the operator's initials but combinations of two or three letters that sounded good in code were also used. The calls weren't necessarily unique but it didn't matter much since the distances covered were rather short.

Amateur experimenters often operated on the same wavelengths and sometimes at much higher power than the commercial and Navy stations. The resulting interference was fierce and polite requests to the amateur stations to shut down to allow important commercial traffic was often ignored. As a result, 27 unsuccessful attempts were made between 1902 and 1912 by the Navy and commercial stations

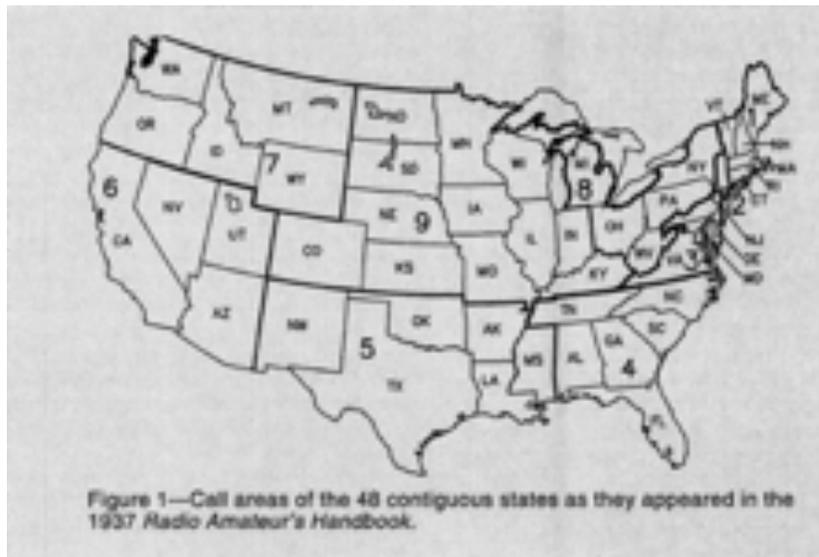
to ban or restrict amateur wireless operation.

In 1912, the commercial wireless operators proposed restricting the wavelengths of amateur wireless to 200 meters or less (frequencies of 1.5 MHz or higher) instead of trying to ban them. The International London Radio Act of 1912 recommended that amateur experimental stations be licensed as commercial stations were already required to do. The net result was

the passage of the Alexander Bill which was signed into law by President Taft on August 17, 1912. This required all amateur stations to be licensed by the Department of Commerce and restricted

their frequencies to 1.5 MHz or above and restricted their power to 1 kW or less.

For the last third of 1912, the Department of Commerce issued amateur licenses with assigned call signs consisting of a single digit prefix (corresponding to one of the 9 districts of the Department) followed by a two letter suffix assigned sequentially except for suffixes starting with X (reserved for experimental stations), Y (reserved for educational institutions) and Z (reserved for special stations authorized



to operate at 330 meters).

Licensing was not very popular among the estimated 5000 to 10,000 radio amateurs at the time. Only 1185 licenses had been issued by the end of 1912 and a total of about 2000 by the end of 1913. However, interference to commercial and Navy stations was much reduced because the unlicensed amateurs knew that if they interfered, the law was not on their side.

By 1914, the two-letter suffixes in some districts were exhausted so three-letter suffixes were assigned starting with AAA. When the United States entered World War I, all amateur radio activity was stopped and amateur stations dismantled.

When the amateurs were finally allowed back on the air in late 1919, all licenses previously granted for two years had expired. The Department of Commerce announced that they would accept applications for licenses but would start all over with sequentially granting two-letter calls and then three-letter calls. They were swamped with long lines of applicants hoping to get coveted early two-letter calls. To expedite the backlog, calls were assigned for immediate use with the paperwork of the actual license to follow later.

U.S. Possessions, Territories, and Protectorates were licensed the same as the states with the number corresponding to the nearest Commerce Department region. Thus, Alaska

was assigned 7, Hawaii and Pacific Islands 6, the Canal Zone 5, and Puerto Rico and Caribbean Islands 4.

All went well until the early 1920s when amateurs discovered that they could cross the Atlantic on 200 meters using sensitive superhet receivers. After Marconi discovered skip propagation on the shorter wavelengths, amateurs were setting new DX records almost daily. The problem was that most other countries issued amateur call signs the same as the United States – a number followed by two or three letters. There was no way to determine the country by the amateur's call sign. Several solutions were suggested with the most popular being to assign a single letter to each country with licensed amateurs. Thus, the United States was assigned "u", Canada was "c", Australia was "a", Spain was "s", Great Britain was "g" and Mexico was "m". Assignments weren't always the first letter of the country name. Since "c" was already used, Cuba got the phonetic equivalent of "q" and Argentina got "r". South Africa got the random assignment of "o". These letters were called international intermediates and were written in lower case because they were unofficial and not part of the official call letters which were always written in upper case.

Although several countries (and the ARRL) favored using the intermediates in place of the "de" (this is) between call letters, it was final-

ly agreed that the single letter intermediates would precede the call sign and be separated from the official call sign by a space so as not to be confused with the call sign. On QSL cards, however, it was usually written without the space so it looked like part of the call sign.

Obviously, only 26 countries could be represented by these single-letter intermediates so by 1926, it was agreed to add another letter before the single-letter intermediate to represent the continent. Thus, North America was represented by “n” and the United States was then “nu”, Canada was “nc” etc. With this scheme, up to 26 countries could be represented in each continent.

At the Washington Radio Conference of 1927 (which led to the formation of the Federal Radio Commission), it was decided that radio amateurs should be assigned prefixes as were already required for commercial services. W, K and N had been assigned to the United States with N used by the Navy and W or K used for civilian services. The ARRL suggested that the Department of Commerce assign W prefixes to amateurs in the United States and assign K prefixes to amateur stations in US territories and possessions. The Department of Commerce sent letters to all licensed amateurs in 1928 stating that starting on October 1, 1928 all mainland US amateurs were to add a “W” to the front of their call and all territories and possessions were to add a “K”.

The nine districts used by the Department of Commerce since 1912 and continued by the Federal Radio Commission and FCC, are shown in Figure 1. Note that the ninth district is the largest, with 12 states plus upper Michigan.

The FCC (replacing the Federal Radio Commission in 1934) was reassigning W9 calls in the late 1930s and realized that even reassigned calls would soon run out. Something had to be done. After the Pearl Harbor attack, all US radio amateurs were ordered off the air so the problem could wait until after the War. During WW II, the ARRL formed a committee to suggest ways to solve this problem and we’ll continue with the call letter history next month.





From the Archives

FIVE YEARS AGO

From the June 2014 Propagator: Ken, K2KDC joined the GSARA. A Field Trip to the InfoAge Museum was made by GSARA. The week before Field Day, GSARA operated special event N2J to celebrate New Jersey's 350th birthday. GSARA will operate two stations outside the Red Cross for Field Day. Past President Shirley Holzberg, N2KQ became a silent key.

TEN YEARS AGO

From the June 2009 Propagator: Field Day will be at the ball field at Fort Monmouth with Jim, K2EI planning on another loop antenna supported from the light poles at the ball field. A NVIS antenna is planned for near-by contacts on 40 meters. ARRL was seeking support of HR 2160 by all amateurs. Solar Cycle 23 has bottomed out and Cycle 24 is predicted to be very weak.

FIFTEEN YEARS AGO

From the June 2004 Propagator: Ray Lett, W2NXG (SK) is planning a big Kid's Day event in Matawan with participation by the Girl

Scouts. The club's PE95 generator on a trailer has to be moved from Rich, K2CPE. Jeff, N2LXM volunteered to take it and perform the necessary maintenance. Tony Tarantino, KA2ZSI (SK) had triple by-pass surgery. Nena Puryear, N2WAY (SK) was in the hospital with complications of diabetes. GSARA will be operating from the MARS station on Field Day as class F. Interference from BPL was a hot topic of much concern. There was a humorous counter-proposal by N2ZD for Hamming over Power Lines (HPL) whereby we feed unlimited power over the power lines instead of using antennas. ARRL was promoting their 90th anniversary.

TWENTY YEARS AGO

From the June 1999 Propagator: A new Roster was published and sent with the May Propagator listing 133 members. Frank Gunther, W2ALS died on May 24. Dave Mutterer, N2IDF joined GSARA. Tom Cosgrove, N2VFK received a Public Service award and Rich KB2MUN (SK) received the Elmer award from QCWA.

TWENTY-FIVE YEARS AGO

From the June, 1994 Propagator: Mike Begala, K2CTJ (SK) was given a Life Membership Award for his years of service to GSARA. He was also featured in a “Getting to Know You” article in this issue

THIRTY YEARS AGO

I have no Propagators in my file from June 1989 through August 1989. If anyone has any of these, I would appreciate obtaining a copy – Ed.



Left: A tower project that Art Olson did for St. Martha’s Church in Brick. The tower was donated by a GSARA member, Al Peterson, who left the area. The jib pole to raise the tower from horizontal to vertical was fabricated by Art and Denis sans the welding. It will have a Mosley mini beam – donated by Denis Commette. The tower is 33 feet, 2 sections.

Welcome to GSARA

Please welcome the following new members who were voted into the GSARA at our May 1 meeting:

Michael Kish, KC2RRJ from Jackson was first licensed in 2007 and holds a Technician Class license. He is Retired and interested in Emergency Preparedness and other Community involvement. An ARRL member, he is active on 2 meters and 70 cm with his Yaesu FT2D, FT-60, FT-8800, FT-8900 and Baofeng GT-3. Please add to your Roster:

MICHAEL KISH, KC2RRJ

464 Pfister Road
Jackson, NJ 08527
347-446-2097
kc2rrj@yahoo.com

Bob Sama, KD2ROF from Long Branch received his Technician license in 2019. He is a retired Police Lieutenant from the Long Branch Police Department and is on the 2 meter and 70 cm bands with his Yaesu VX-6R. He is an ARRL member. Please add to your Roster:

BOB SAMA, KD2ROF

527 East Street
Long Branch, NJ 07740
732-620-0506
rsama165@gmail.com

WELCOME TO THE GSARA!

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. Do you have any other great ideas for the site? Let Cy know.



GSARA Officers

Officers

Art, N₂AJO – President
olson339@comcast.net
Denis, K₂NPT – Vice President
capt_calyx@comcast.net
John, KA₂F – Secretary
ka2fwb2hdj@gmail.com
Phil, N₂EDX – Chief Engineer
n2edx@mac.com
Bob Buus W₂OD - 732-946-8615
w2od@arrl.net

Support Team

Richard Bilon, N₃RB, VE Coordinator 732-567-4396
4332lee@gmail.com
Propagator Editor: Bob Buus
w2od@aol.com
Webmaster & Propagator Design /
Publisher Cy Stanway, K₂CYS 732-768-7773
k2cys@arrl.net

Radio Room Phone, 732-493-9100,
X1252

NOTES ON CALENDAR (see next page)

- Large Call letters denote birthdays e.g. **K2ARV** on June 1. All times are in EDST. Contests are listed in the Ju QST, p. 86.
- June 3 - **Monmouth County ARES/RACES Net** meets on 147.045 +600, PL=67.0 at 8:00 pm
- June 4 – **Old Barney VE Test Session** at 6:30 pm in Manahawkin. Contact Urb Le Jeune, W1UL at 609-296-58: or urb@w2dec.com
- June 4 – **Old Barney ARC Meeting** at 7:30 pm in Manahawkin, NJ. See <http://www.obarc.org>
- June 4 and every following Tuesday – **GSARA Net** on 147.045 PL=67 at 8:30 pm.
- June 4 and every following Tuesday – **QCWA News Net** on 147.045 PL=67 at 9:00 pm.
- June 5 – **GSARA Program Meeting**. The program will feature Denis, K2NPT and the Field Day committ reviewing Field Day plans with tutorials on how to operate and how to log. Guests are welcome and refreshmer will be served.
- June 5 - **W1AW Qualifying Run** at 10 pm (10-35 wpm). See June 2019 QST page 98 and www.arrl.org/qualifyin-run-schedule
- June 6 - **HCARC Meeting** 7 pm at Holiday City South Clubhouse in Toms River.
- June 7 and every Friday – **Lunch at the Blue Swan Diner** in Ocean at noon. Table at back left.
- June 8 – **Asian Pacific SSB Sprint** from 7 to 9 am on 20 and 15 meters. See <http://www.jsfc.org/apsprint/apruple.1>
- June 8 – **OMARC Meeting** at 9:00 am at the Firehouse on 600 Sixth Ave. in Spring Lake Heights. Guests are alwa welcome.
- June 8-9 – **ARRL June VHF Contest**, all modes from 2 pm Sat. to 10:59 pm Sun. See <http://www.arrl.org/june-v>
- June 12 – **Holiday City VE Session** at 7 pm in Toms River. Contact is Larry Puccio, K2QDY at 732-349-2950 e-mail at lpuccio1@comcast.net
- June 13 – **JSARS meeting** in Riverwood Park Rec. Building, Rt. 527 and Riverwood Drive at 7:30 pm.
- June 15-16 – **IARU Region 1 50 MHz Contest**, CW and Phone from 10 am Saturday to 10 am Sunday. S <http://www.concours.r-e-f.org>
- June 15 – **ARRL Kids Day**, SSB on 75 through 10 meters from 2 pm to 8 pm. See <http://www.arrl.org/kids-day>
- June 17 - **Monmouth County ARES/RACES Net** meets on 147.045 +600, PL=67.0 at 8:00 pm
- June 18 – **W1AW Qualifying Run** at 7 pm (10-35 wpm). See June 2019 QST page 98 at <http://www.arrl.org/qualifying-run-schedule>
- June 19 – **GSARA Meeting** at 7:30 pm at the Red Cross in Tinton Falls. Regular business meeting. Refreshmer will be served.
- June 20 – **JSARS VE Test Session** at 7:00 pm Riverview Park Recreation Bldg., Rt. 527 and Riverwood Drive Toms River. Contact Ed Genoino, WA2NDA at 609-971-2792 or wa2nda@comcast.net.
- June 22 – **GSARA VE Test Session** at 11 am at the Red Cross in Tinton Falls. See page 1.
- June 22-23 – **ARRL Field Day** from 2 pm Saturday to 2 pm Sunday, all bands, all modes. S <http://www.arrl.org/field-day>

JUNE 2019

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						K2ARV 1 KC2RRP
2	3 ARES/RACES 8 pm	4 Old Barney GSARA Net 8:30 QCWA News 9 PM	5 GSARA Mtg CW Qual. Run	6 HCARC Mtg	7 AB2TR 7 KD2PUJ Blue Swan lunch	8 OMARC Mtg. Asia-Pac Sprint VHF Contest
9 VHF Contest	10	11 Old Barney GSARA Net 8:30 QCWA News 9 PM	12 KD2FHT KY2S Hol. City VE	13 JSARS Mtg	14 Blue Swan lunch	15 W2IY 15 W2HAM Regn. 1 50 MHz Kids Day
16 Regn. 1 50 MHz	17 ARES/RACES 8 pm	18 KA2F 18 CW Qual. Run Old Barney GSARA Net 8:30 QCWA News 9 PM	19 GSARA Mtg	20 N2MN JSARS VE	21 WB2KCV Blue Swan lunch	22 GSARA VE Field Day
23 Field Day	24	25 GSARA Net 8:30 QCWA News 9 PM	26 N2LXM	27 W2HTS	28 CW Qual. Run Blue Swan lunch	29
30						



G.S.A.R.A.
8 DONNER STREET
HOLMDEL, NJ 07733

First Class