

THE Propagator

Garden State Amateur Radio Association

8 Donner St.,
Holmdel, NJ 07733
Editor: Bob Buus, W2OD
Design: Cy Stanway, K2CYS

May 2018



Table of Contents

[Meeting Times](#)

[VE Session](#)

[From the Editor](#)

[GSARA Officers](#)

[Instant GSARA Info](#)

[Net, Website, QSLs](#)

[Let's Build a Radio!](#)

[Pix of Club Activities](#)

[Tuesday Night Net](#)

[GSARA History](#)

[Roster Changes](#)

[ARRL News](#)

[Youth Committee](#)

[New Members](#)

VE SESSION

The GSARA monthly test session will be held at the Red Cross on Saturday, May 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 732-567-4396 or n3rb@arrrl.net.

MEETING INFO

The next GSARA meeting will be on Wednesday, May 2 at 7:30 PM at the Red Cross. This will be a program meeting and the program will be a presentation by Blair, KD2EPA about the alliance of Amateur Radio and Science called HamSCI. Come hear about the HamSCI workshop recently held in Newark! Guests are welcome and refreshments will be served.

The second meeting in May will be held on Wednesday, May 16 at 7:30 PM at the Red Cross. This will be a business meeting with reports from the various committees. Don't miss it! Light refreshments will be served and guests are welcome.

Instant GSARA Info

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

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.



GSARA Officers

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732-460-1885

w2hts@arrl.net

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732-889-6692

rh@thetraindoctor.com

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From the Editor

Bob Buus W2OD

My time has been so soaked up with family issues that I have had no time this past month to write a "Now You Know" article so there will not be one in this issue. As you can imagine, these articles take a reasonable amount of time to research properly and I simply didn't have

enough time this past month. Hopefully, I will get back to it for next month.

As this issue was to go to Cy for formatting, I received the latest dues update from John, KC2YWL and I am pleased to report that after dropping all past members who did not yet pay 2018 dues, we still have a Roster showing 104 members. This is thanks to some late renewals and new members joining this year. I plan to send an updated Roster to all members shortly after I get out from under this issue of The Propagator.

The build of the uBitX all-band transceiver is still on for Sunday, May 27. There was some fear that those ordering in late March would not get their kits in time for the build unless they spent an extra \$10 to get DHL expedited shipping. However, I was pleased to find that my kit ordered in March arrived in a month and came via DHL even though I didn't pay the extra \$10. According to Art, N2AJO, the uBitX orders swapped the Indian Post Office so hfsignals had to use DHL for all shipments. This popular kit is a great buy. Where else can you get a 10 Watt, all-band, all-mode transceiver for \$109? I haven't had a chance yet to play with my kit but the assembly looks easier than it was for the BitX40 we built last year.

The Dayton Hamvention is coming up this month on May 18-20 and I hope some of you are planning on going. I went about 20 years ago and still have fond memories of the experience (and still have most of the radio junkie I acquired while there). It's amazing to be among such a large group of hams all hooked on amateur radio.

John, KA2F found another interesting amateur radio article in the archives of the old Red Bank Register. The Monmouth County Amateur Radio Association was one of the two clubs that combined to form the GSARA.

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

73 de Bob, w2od@arrl.net

GSARA HISTORY

By John King, KA2F

The following is from the Red Bank Register for January 31, 1946:

Radio Association Plans "Ham Fest"

The Monmouth County amateur radio association will hold a "Ham Fest" at the Alfred Vail homes tonight at 8:30 o'clock. All persons, military or civilian, who are interested in radio operation, have been invited to enjoy refreshments, entertainment and the opportunity to meet other radio "hams."

A nominal admission fee will be charged. Further details may be obtained from Sydney Berg at Coles Signal laboratory.

A list of all amateur radio operators who have been assigned to Fort Monmouth or the Signal Corps Engineering laboratories in either civilian or military capacities is being compiled by the county association. This list will be made available to any "Ham" interested in maintaining contact with his former associates at the laboratories or the fort.



ROSTER CHANGES

By Bob Buus, W2OD

A new GSARA Roster will be distributed soon but until then please note the following changes:

Mike Piatti, KD2KIO has changed his call to N2MEP and has changed his email address to n2mep@arrl.net.

Bill Polvino, KD2LPN has changed his street address to 5 Phipps Place but is still in Tinton Falls.

Art Goldberg, W2NAZ has changed his phone to 732-580-2098.

Steve Brunner KD2OYJ has changed his call to N2FSB



DOING SOMETHING WONDERFUL?

The Propagator is our club newsletter and is for all the members. The club would love to know what great ham radio activities you have been doing. Did you get a new super whiz-bang radio? Did you try a new antenna? Maybe you got the latest digital radio and are experimenting with talking around the world from your car. Or perhaps you built something. Let us know. All you have to do is send your article and picture or two to Cy at k2cys@arrl.net.



WAKE ISLAND ON THE AIR

Starting this month, Philip Gairson, N7NVK, will begin working on Wake Island, which is in grid RK39 for those participating in the 2018 ARRL International Grid Chase (IGC). His schedule calls for 3 months on the island, and then 1 month off -- a pattern that will repeat over the course of about a year. Wake is 12 hours ahead of UTC.

Gairson does not yet know what days or times he will be on the air, but he plans to post his availability on his [QRZ.com profile page](#) and notify ARRL to include it in its DX bulletin. Contacting him could prove challenging. He's taking along an Elecraft KX3 along with a G5RV or Buddipole for an antenna, running low power. He will operate split, and he asks for patience because he's not used to being the focus of a pileup. Internet connectivity on Wake will be limited, but he plans to use LoTW. -- Thanks to [The Daily DX](#)

From The ARRL Letter, April 5, 2018

630 METERS "VERY BUSY"

Amateur Radio got two new bands last year, and amateurs are beginning to use them. Ralph Wallio, W0RPK, of Greenville, North Carolina, and others who took part in ARRL's WD2XSH Part 5 Experimental operation or have a deep interest in what now is the 630-meter band (472 - 479 kHz), say activity is picking up. Wallio maintains an informal database that tracks the activity of stations on a state-by-state basis, as well as how many states each station has worked.

tic and transpacific contacts on the new band also have been reported. John Langridge, KB5NJD, posts a daily discussion of 630-meter operations and conditions. He advises stations operating on 630 meters to upload their logs to Logbook of The World, so 630-meter operators participating in the 2018 ARRL International Grid Chase (IGC) can receive credit.

From The ARRL Letter, April 19, 2018

GSARA YOUTH COMMITTEE PRESENTATION



Jake, KD2MGE

Some people may say ham radio is dying with the advent of the internet and lack of interest in electronics from the youngest generation. When I discovered ham radio a few years ago, I discovered that it was a precursor to all wireless communication we have today. Ham radio allowed me to utilize my skill in programming, talk to people from all around the world, and to learn more about electronics and engineering that I would ever get from the internet.



The goal of the Youth Outreach committee is to teach the young people of America all that ham radio has to offer and to plant a seed in their minds to become involved in ham radio. Last Friday, me (KD2MGE), Pastor Joe Hewes (KD2IPS) and, John Chunga (KC2YWL), went to Monmouth Worship Center to teach their Royal Rangers program (which is similar to boy scouts) about ham radio. There was a presentation and then a demonstration.



There would never be a situation where these kids would be exposed to ham radio so early on if it wasn't for the Youth Outreach committee. I can say without a doubt that at least some if not most of the royal rangers have been inspired to become in-

involved in ham radio. The inquisitive questions they asked and their receptiveness to the demonstration and presentation, showed a newfound interest in ham radio. "You can talk to anyone anywhere", when I said that I saw eyes light up.

The objective of the Youth Outreach is to reach more young people and introduce them to Ham Radio and potentially have them join the GSARA. With the success of this endeavor we will move forward and pursue more projects.

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!

W2GSA.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 also a

new feature: there is a Members Only Page which will contain important links viewable by GSARA members only including the most current roster and, in the coming months, 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.



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?

Welcome to GSARA

Please extend a warm welcome to Paul Perry, WB2ERY from Ocean. Licensed since 1962, Paul is active with his Extra Class license on HF, 2 meters and 440 with a wide variety of equipment. He is a CFO who is also interested in trains, photography and shooting. An ARRL member, he requests active membership.

Paul Perry, WB2ERY
11 Donna Court
Ocean, NJ 07712
732-233-3444
Pperry11@gmail.com

Please welcome back former member Jimmy Arthofer, KD2BUG from Freehold. Jimmy is an electrician who has held his Technician license since 2013 and is active on 2 meters. He has a lot of other hobbies and requests active membership.

Jimmy Arthofer, KD2BUG
1 Evergreen Court
Freehold, NJ 07728
732-749-5651
Jamesarthofer@gmail.com

Please welcome Mike Orr, N2MN from Neptune. Licensed since 1975, Mike hold an Extra class license. He is an Electrical Engineer and is active on HF CW as well as VHF/UHF FM with a TS-570 and a FT-470D. He is interested in receivers, QRP and wire antennas. A life member of the ARRL, Mike is also interested in bicycling, backpacking and large format film photography.

Mike Orr, N2MN
9 Jagger Avenue
Neptune, NJ 07753
732-673-9099
qrzmike@n2mail.net

Please welcome Mike Schiafone, KD2PMC from Tinton Falls. Mike passed his Technician test on March 24 and is not yet on the air. He is a Line Stripper and also interested in golf and fishing.

Mike Schiafone, KD2PMC
101 Swimming River Road
Tinton Falls, NJ 07724
732-544-9397
lcom757@aol.com

Please welcome Tom Karaniewsky, KD2PFY from Colts Neck. He holds a Technician license which he obtained this year. Tom is retired from law enforcement and is on 2 meters and 70 cm with Alinco and Baofeng rigs. A member of ARRL, he is interested in new technology and public safety communication. Other hobbies include computers, fishing and homebrewing.

Tom Karaniewsky, KD2PFY
6 Culpeper Key
Colts Neck, NJ 07722
908-216-2929
tkaraniewsky@verizon.net

A warm Welcome to all five new members!

HAMSCI - THE NEW ALLIANCE BETWEEN SCIENCE AND HAM RADIO

By Blair Hearth, KD2EPA

The first meeting of HAMSCI, an alliance between science and Ham radio, was held at New Jersey Institute of Technology February 23 and 24, 2018. Approximately 100 scientists (many of whom are active Hams) and Hams (many of whom are citizen scientists) exchanged ideas and listened to 34 presentations, some of which were quite amusing. The brainchild of Dr. Nathaniel Frissell, W2NAF of NJIT, HAMSCI will initially focus on ways that Hams and scientists can work together to better understand how space weather (which happens between the Sun and the Earth) affects the Ionosphere and thus, radio propagation. Blair Hearth, KD2EPA, attended the sessions and will present to us his notes as, for example, Hams helped scientists make corrections in their antenna arrays, scientists helped Hams interpret results from last summer's eclipse that showed a sharp drop off of propagation on 20 meters during totality, and both groups were amazed to learn that CW contesting provides the best data for satellite studies - especially during Field Day. Don't miss this interesting talk.

CANADA GETS 60 METERS



Radio Amateurs in Canada are poised to join those in several other nations around the world who have access to a new 60-meter band, 5351.5 - 5366.5 kHz, as agreed upon at World Radiocommunication Conference 2015 (WRC-15), but with a maximum power of 100 W effective radiated power (ERP). The updated Canadian Table of Frequency Allocations includes the new allocation, although radio amateurs have not yet been authorized to use it. Canada's radio amateurs will also retain the four Amateur Radio channels that do not fall within

the new allocation. These spot frequencies have been authorized under a footnote to the Table since 2014, on a secondary, non-interference basis.

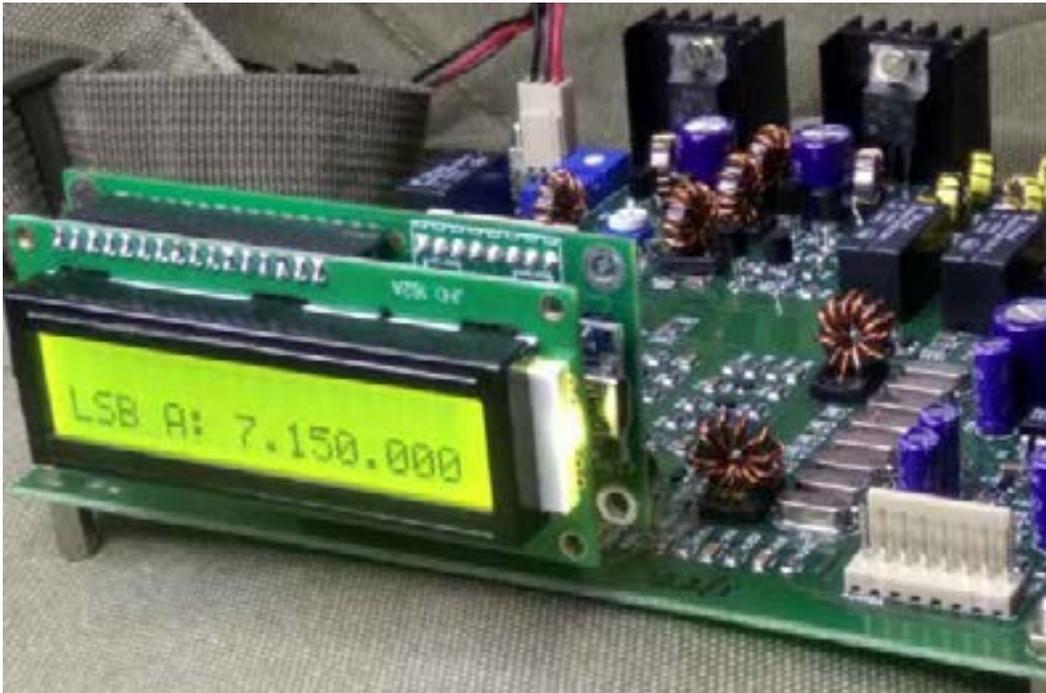
In January 2017, ARRL asked the FCC to allocate a new, secondary contiguous band at 5 MHz to the Amateur Service, while also retaining four of the current five 60-meter channels and current operating rules, including the 100 W PEP ERP limit. The federal government is the primary user of the 5 MHz spectrum in the US. The FCC has yet to act on ARRL's petition.

Last August, Canada's regulatory agency, the Department of Innovation, Science, and Economic Development Canada (ISED) proposed to adopt WRC-15 decisions that included the 15 kHz Amateur Radio allocation. The proposed revisions to the Table would retain the original five 5 MHz spot frequencies with a maximum of 100 W ERP, but restrict the new 15 kHz allocation to just 15 W EIRP, accommodating the concerns of a few countries over possible interference to their domestic communications. "Radio Amateurs of Canada (RAC) noted in its response to the proposed changes that there had been no reports of interference from Amateur Radio operations on the existing five 60-meter spot frequencies following their use in Canada since 2014 and in the USA for even longer," RAC President Glenn MacDonell, VE3XRA, said. "Further, the rationale for allocating the spot frequencies had been based on the value of 60 meters for emergency communication, and the low power limit adopted at WRC-15 would seriously limit this use." MacDonell said comments from the Radio Advisory Board of Canada (of which RAC is a member organization), the Ottawa Valley Mobile Radio Club, the Marconi Radio Club of Newfoundland, and several individual radio amateurs also recommended 100 W.

"Radio Amateurs of Canada will be urging ISED to authorize the new 15 kHz segment as soon as possible," MacDonell said.

From The ARRL Letter, April 19, 2018

GSARA RADIO BUILD PART II - JOIN US!



**Let's Build Another radio-a μ BitX!
New Rig: 10 Watts! All Bands!
CW and SSB!**

Home of Cy, K2CYS

Bring your tools and your soldering iron

Lunch will be provided

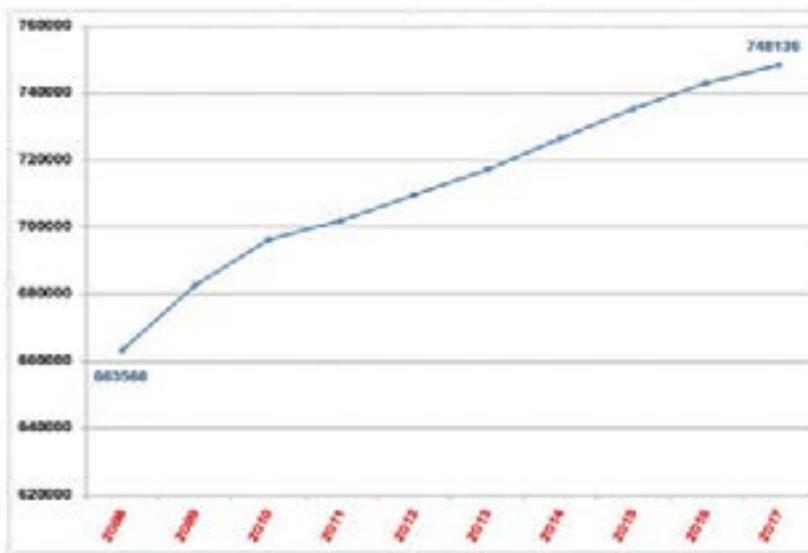
May 27th 10 AM

Buy the rig at www.hfsignals.com!

Please let Cy know you are coming at k2cys@arrl.net

Cy's wife, Stella, will provide lunch!

OVER 30,000 NEW HAMS IN 2017



The Amateur Radio population has grown steadily over the past decade.

For the fourth year in a row, more than 30,000 new licensees joined the Amateur Radio ranks, and ARRL Volunteer Examiner Coordinators (VEC) conducted more than 7,000 Amateur Radio exam sessions, serving some 35,350 candidates for a new or upgraded license. At the end of December 2017, the US Amateur Radio population stood at 748,136.

The Amateur Radio population has grown steadily over the past decade.

At nearly 378,000, Technician licensees represented the largest segment, with General (174,206), Amateur Extra (145,034), Advanced (41,938), and Novice (9,056) trailing. Licensee numbers showed continued growth across all classes except Advanced and Novice, which the FCC no longer issues; those numbers continue to drop.

"I'm hopeful that the number of new licensees will be more than 30,000 at the end of this year," ARRL VEC Manager Maria Somma, AB1FM, said. "I would love to see this trend continue!"

Despite the optimistic influx of 32,196 newcomers last year, the net growth of 5,349 -- about 0.72% over December 2016 -- reflects some 27,000 expired or cancelled licenses in the FCC database over the past year. In making the case for changes to the entry-level license, the ARRL Board's Entry-Level License Committee referred to "the large number of Baby Boomers (roughly born 1945 - 65) [who] will soon be aging off the licensee rolls." The committee predicted the likelihood of "a significant decline in the number of hams, unless we take steps to reverse it."

From The ARRL Letter, April 5, 2018

FROM *The Archives*

FIVE YEARS AGO

From the May 2013 Propagator: The GSARA Hamfest at the MOESC parking lot is on May 4 and was coordinated by John, KA2F. Two Yaesu FT-450D transceivers were added to the GSARA shack at the Red Cross. Thanks to John, KA2F, there was an interesting article from the Red Bank Register from June 2, 1947 describing Field Day and plans for the 1947 Hudson Division Convention to be held in Asbury Park.

TEN YEARS AGO

From the May 2008 Propagator: Long-time GSARA members Les Hill, W2QHS and Tony Colaguori, W2GUM became silent keys. Randy Kulzer, N2CUG upgraded to Extra. Rich Krohn, N2SMV is running for Section Manager of NNJ.

FIFTEEN YEARS AGO

From the May 2003 Propagator: A new Field Day category for operation from an EOC has been created. Frank, W2XYZ won a laptop computer at the QCWA Dinner-Dance on April 27. Guest speaker at the May 7 meeting will be Frank Fallon, N2FF, Hudson Division Director. Amateur radio operations were reported from both Iraq and Afghanistan. A Roster included with the May Propagator showed 78 members.

TWENTY YEARS AGO

From the May 1998 Propagator: Ed Chinnock, W2FZY became a silent key at the age of 82. Tony Colaguori, W2GUM (SK) gave a talk at the May 20 meeting on small loop antennas made with copper pipe. Jon Lowing, N2DPC and Ed Kracum, WB2COP were featured on the cover of the May 1998 CQVHF magazine with a nice story on page 16. The Land O'Pines School in Howell had a radio contact with the MIR space station. This was a result of much effort by many OMARC and GSARA members Al, N2YAC (SK); Ken, N2SMT; Joe, W2KQ; Gary, KB2YTN (SK); Bonnie, KB2ZRM; Jack, WA2EDD; Sean, KC2DIJ; and Tom, W2BD.

TWENTY-FIVE YEARS AGO

From the May 1993 Propagator: Chief Engineer Bill Zeisler, W2DLP returned from Florida and is getting ready for Field Day. John Holden, N2OWN joined GSARA. About 35 local hams participated in the Brookdale College Peace Fair to help make it a success. Ed Kracum, WB2COP (SK) was featured on a full page article in the Two River Times. This provided great publicity for RACES and Middletown Emer-

gency Management. Darryl Harvan, WA2AYF (SK) and his family opened a new Perkins restaurant at Airport Plaza. An updated Roster was published showing 122 members of GSARA.

THIRTY YEARS AGO

From the May 1988 Propagator: Secretary John Magliacane, KD2BD resigned as secretary and John King, KA2F volunteered to take on this job. A roster was included that showed 117 members of GSARA. Hints were given for tracking the Skitrek digitaler on Oscar-11

GSARA TUESDAY NIGHT NET REPORT

GSARA members meet on the Asbury Park repeater every Tuesday at 8:30 pm. In the 4 sessions in April, we had 49 check-ins for an average of 12.25 per session. The following 19 members checked into this net (number of check-ins in parenthesis):

KD2EJW (4), N2HGI (4), W2LAF (4), W2OD (4), WB2RPW (4), N2BMK (3), AD7I (3), WA2JOE (3), KB2MAB (3), W2MJP (3), KC2YNL (3), KA2F (2), AC2MB (2), K2NPT (2), KD2EPA (1), N2JFL (1), W2NAZ (1), W2NQB (1), and K2REM (1).

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

GET INVOLVED

We have a wonderful radio club. There is a lot going on all the time. The regular meetings are informative and fun with old friends and new. Field Day, radio builds, Hamfests, are just the beginning of what is going on. In the coming months we are going to be putting in our new Fusion digital repeater and now you will be able to speak to a ham anywhere in the world in digital (of course, you will need a digital radio for that mode). As well, we are working on having an internet operated radio that can be worked remotely from anywhere in the world to the shack at the Red Cross. In other words, in addition to the friendship of the club, we are actively pursuing new technological frontiers. And it is all done voluntarily.

You can be one of those volunteers. When there is a need, you will be warmly welcomed to help or maybe even lead a committee or an activity. There is no secret recipe. No great leadership skills are required; just a desire to help out the club.

So, next time the club asks for a hand, put yours up! You will be glad you did and the whole club will benefit from your help.

GARDEN STATE AMATEUR RADIO ASSOCIATION



HAMFEST

Saturday September 22, 2018
8 a.m. to 12 p.m.



MOESC parking lot
100 Tornillo Way. (off Shafto Rd.), Tinton Falls (07712)

Admission:

Vendors 7 a.m.

NO CHARGE first space, with purchase of admission

Limit 1 5.00 space per Car \$10.00 ea additional Space

Buyers 8 a.m. \$5.00 per person



- VE Session—Starts at 11:00AM
 - QSL Card Checking
 - Entertainment
- Food and hot and cold Beverages
 - 50/50s and door prizes
 - Demonstrations

For Additional Information and Pre-Registration

Art Olson N2AJ0 848-459-5590

Denis Commette K2NPT 732-740-3057

Email to: HAMFEST@GardenStateARA.Org

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



PIX OF GSARA ACTIVITIES

Photos by Harry, KD2EJW



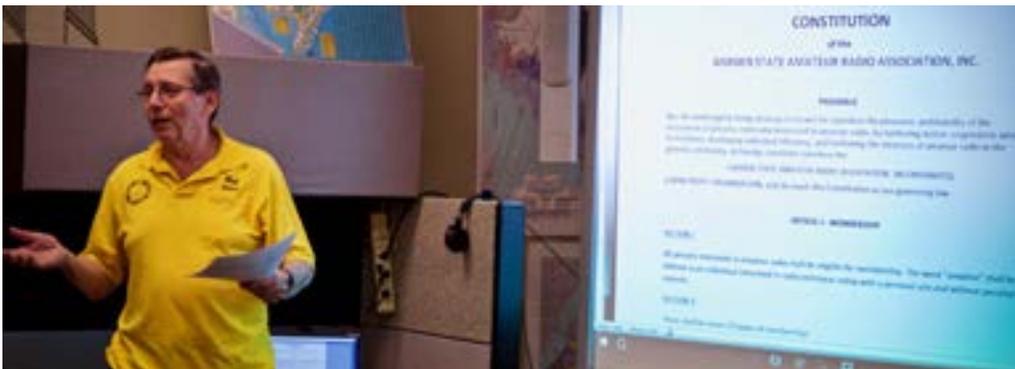
Reading the minutes of the meeting and guarding the donuts!



And the winner is...



Our meetings are being very well attended. You are invited to come! Check the website at gsara.club for details



Bob Buus, W2OD, our Secretary, presenting proposed changes to the Constitution and By Laws to the membership.

NOTES ON CALENDAR (see next page)

- Large Call letters denote birthdays e.g. **KD2PFY** May 3. All times are EDST. Contests are listed in the May QST, p. 83.
- May 1 – **Old Barney VE Test Session** at 6:30 pm in Manahawkin. Contact Urb Le Jeune, WIUL at 609-296-5856 or urb@w2dec.com
- May 1 – **Old Barney ARC Meeting** at 7:30 pm in Manahawkin, NJ. See <http://www.obarc.org>
- May 1 - **W1AW Qualifying Run** at 10 pm (10-40 wpm). See May 2018 QST page 97 and www.arrl.org/qualifying-run-schedule May 1 and every following Tuesday – **GSARA Net** on 147.045 PL=67 at 8:30 pm.
- May 1 and every following Tuesday – **QCWA News Net** on 147.045 PL=67 at 9:00 pm.
- May 2 – **GSARA Program Meeting** at 7:30 pm at the Red Cross. The program features our own Blair, KD2EPA who will talk about the HamSCI workshop he attended and illustrate instances of when Amateur Radio has helped the advancement of science. Refreshments will be served.
- May 3 - **HCARC Meeting** 7 pm at Holiday City South Clubhouse in Toms River.
- May 4 and every Friday – **Lunch at the Blue Swan Diner** in Ocean at noon. Table at back left.
- May 5-6 – **7th Call Area QSO Party**, all modes from 9 am Sat. to 3 am Sun. See <http://www.wa7n.net/7QP>
- May 7 - **Monmouth County ARES/RACES Net** meets on 147.045 +600, PL=67.0 at 8:00 pm
- May 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
- May 10 – **JSARS meeting** in Riverwood Park Rec. Building, Rt. 527 and Riverwood Drive at 7:30 pm.
- May 12-13 – **CQ-M International DX Contest**, Phone and CW from 8 am Saturday to 7:59 am Sunday. See <http://www.qrz.ru/contest>
- May 12 – **OMARC Meeting** at 9:00 am at the Firehouse on 600 Sixth Ave. in Spring Lake Heights. Guests are always welcome.
- May 12 – **50 MHz Spring Sprint**, all modes from 7 pm to 11 pm. See <http://www.sites.google.com/site/springvhfupsprints>
- May 16 – **GSARA Business Meeting** at 7:30 pm at the Red Cross in Tinton Falls. Refreshments will be served and guests are welcome.
- May 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.
- May 18-20 – **Dayton Hamvention in Ohio**. See <http://www.hamvention.org>
- May 18 - **W1AW Qualifying Run** at 4 pm (10-40 wpm). See May 2018 QST page 97 and <http://www.arrl.org/qualifying-run-schedule>
- May 21 - **Monmouth County ARES/RACES Net** meets on 147.045 +600, PL=67.0 at 8:00 pm
- May 25-27 – **CQ WW WPX Contest**, CW from 8 pm Fri. to 7:59 pm Sun. See <http://www.cqwp.com>
- May 26 – **GSARA VE Test Session** at 11 am at the Red Cross in Tinton Falls. See page 1.
- May 27 – **Build of the uBitX Transceiver** at Cy's House at 10 am.

MAY 2018

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1 CW Qual. Run Old Barney ARC GSARA Net 8:30 QCWA News 9 PM	2 GSARA Mtg	3 KD2PFY HCARC Mtg	4 Blue Swan lunch	5 N2JFL N2UG 7 Area QSO
6 7 Area QSO	7 ARES/RACES 8 pm	8 GSARA Net 8:30 QCWA News 9 PM	9 Hol. City VE	10 JSARS Mtg.	11 Blue Swan lunch	12 OMARC Mtg CQ-M DX 50 MHz SprintCQ
13 CQ-M DX	14 N2BCS	15 GSARA Net 8:30 QCWA News 9 PM	16 K2KDC K2REM GSARA Mtg	17 JSARS VE	18 CW Qual. Run Blue Swan lunch Dayton	19 Dayton
20 Dayton	21 ARES/RACES 8 pm	22 N2BMK GSARA Net 8:30 QCWA News 9 PM	23	24	25 Blue Swan lunch CQ WW WPX	26 CQ WW WPX GSARA VE
27 CQ WW WPX uBitX Build	28	29	30	31 KG2CM		



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

First Class