



PROPAGATOR

W2GSA

GARDEN STATE AMATEUR RADIO ASSOCIATION
TINTON FALLS, NJ

SEPTEMBER 2020

WELCOME CLINT BRADFORD, K6LCS TO OUR SEPT 2 MEETING

Clint Bradford, K6LCS from California will be our guest speaker at the September 2 GSARA meeting. His talk is titled "How to WorkAmateur Satellites with Your HT." The presentation will be via Zoom. You do not need 100W of transmit power nor expensive antenna arrays to work the FM amateur satellites! Many hams already have the necessary equipment to "work the birds." This presentation will walk you through ALL the steps needed to successfully work several ham satellites.

This presentation has been well-received by more than 100 clubs and conventions to which Clint has given it. Between the ma-

terial presented, the handouts, the always-lively Q&A during and afterward, the 'work-sat.com' support Web site, and access to Clint after the fact (via email or phone at 909-999-SATS) with satellite inquiries - GSARA will be providing attendees COMPLETE information on this aspect of the amateur radio hobby.

Clint, K6LCS has been a ham since 1994, and found his niche in the hobby: working amateur satellites with minimal equipment and telling ALL about it! He has served a liaison between NASA, the ARISS team, and schools coordinating amateur radio contacts between the International Space Station and students (and orchestrated a wildly successful ARISS contact). Audiences have never found his presentation slides "wordy" nor dull. Trivia questions (with prizes!) are spread throughout the session - audiences are never bored.

For reference materials, Clint has created a support Web site at "work-sat.com" for all to use. The Web site has become a one-stop source for ALL the citations and equipment recommendations and software suggestions made in the presentation.

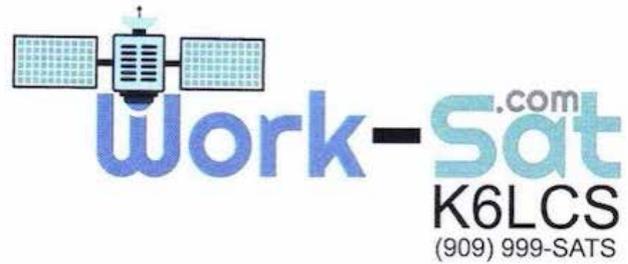
Professionally, Clint was sales manager for ADI / Premier Communications / Pryme, worked for a Motorola commercial two-way dealer a couple of years, and for Ham Radio



Outlet a couple more. He resides in Jurupa Valley, California, with his wife, Karen, and their rescued lab, Freja.

Clint Bradford, K6LCS
5085 Trail Canyon Drive
Jurupa Valley CA 91752

ARRL Legacy Circle member,
Registered Instructor



FROM THE VICE PRESIDENT DENIS COMMETTE, K2NPT

It is hard to believe that the next holiday is Labor Day. Seems like just yesterday we celebrated Memorial Day.

Covid-19 aside, this was a great summer. The weather was perfect with just a few glitches, participation in the club activities has been outstanding and we have added six new members over the summer. This brings our total membership to a vibrant 120.

The GSARA Community on Discord (www.discord.com Ed.) has been very well received and has over 41 subscribers. It is packed with real time information of interest to all our members and most of the chat rooms have enjoyed some remarkably interesting and informative activity. If you have not joined and would like to see what it is all about, download the Discord App and ask the Administrator for access. This is a great way to share information in real time with your fellow hams without waiting for a net or a virtual meeting.

The VE team has done a wonderful job of continuing to successfully test during the lockdown. The outdoor sessions have been well subscribed and will hopefully generate some new members. VE sessions are a service to the ham radio community and great vehicle to show off our club and recruit new members. If you are thinking of upgrading to the next class, the VE Team is ready for you.



#STAY AT HOME
and get on the air

Everyone stay safe and please join us in all the activities the Club has to offer.

MEETINGS

VE SESSION

Because of the current NJ proclamations with regard to the Corona Virus, the regularly scheduled meetings of the GSARA at the Red Cross have been canceled until further notice. We will conduct the September 2 program meeting live via video conferencing using the Zoom App.

Simply go to <https://zoom.us/download> and download the Zoom App. Prior to the meeting, you will get an e-mail invitation to the meeting. When you wish to join the meeting, simply double click on the location link in the e-mail and when the Launch Application shows, click on "open link" and you should be in the meeting room.

The Wednesday, September 2 program meeting at 7:30 will feature Clint Bradford, K6LCS from California. His talk is titled "How to Work Amateur Satellites with Your HT." The presentation will be via Zoom. We look for a good turnout.

GSARA will also have a business meeting on the third Wednesday in September, the 16th at 7:30 pm and this will also be via Zoom. Don't miss it!

The next VE test session will take place on September 26, 2020

The GSARA monthly test session will be held outside at the pavilion at Fireman's Park in Oakhurst. Candidates are asked to meet at the Red Cross Regional Headquarters in Tinton Falls on Saturday, September 26 at 10 am and will be escorted to the test site. 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.



WELCOME TO GSARA



GARDEN STATE AMATEUR RADIO ASSOCIATION

8 Donner St.,
Holmdel, NJ 07733

Please visit the club site
www.gsara.club
www.w2gsa.org

Everyone welcome to all
meetings!
Friendliest ham radio
club around!
Join today!

You are welcome to use
our
open repeater.
(Analog FM)
147.045 +.600
PL 67 Hz
(C4FM) Node 43360



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FROM THE EDITOR

BOB BUUS, W2OD



Thanks again to Chief Engineer, Phil, N2EDX for his informative monthly article – this month about trying to avoid ground loops. Grounding is a complex subject about which entire books have been written. BTW, the one he recommends in his article is excellent and is in our GSARA library. I encourage you to check it out.

I would also like to thank Alan Sherman, W2NIR who submitted the article from ARRL about former King Hussein, JY1 and the list from the internet of many famous amateur radio operators. What I took away from reading these articles is that amateur radio operators have a wide range of interests and often excel in one or more of these interests. We should be proud that we belong to such an elite group.

I am particularly proud of the newest and youngest member of GSARA. She is 11-year old Isha Blokhra, W1SHA (note how cleverly her name is imbedded in her call) who recently passed her Technician exam and joined GSARA. I expect her to soon be on the air and become an active member of GSARA.

One of Isha's other interests listed on her membership application was "Nature Conser-

vation."

Upon digging further into this interest, I found that Isha learned a few years ago about how trees convert the carbon dioxide in the air to oxygen. She also learned that our global warming is caused by the excess carbon dioxide in the air. Hence, if we plant more trees, we can help reverse the adverse effects of global warming. Isha wants the world to know what she has come to know, i.e. that trees are so important for the future of our planet. On a family vacation trip to India a year or so ago, Isha publicized the importance of trees and caught the attention of the Indian press. Not bad for a 9-year old girl! It wouldn't surprise me to see W1SHA on the famous amateurs list 25 years from now. You go, girl!

How are you coping with the COVID-19 with amateur radio? I'd love to hear from you!

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

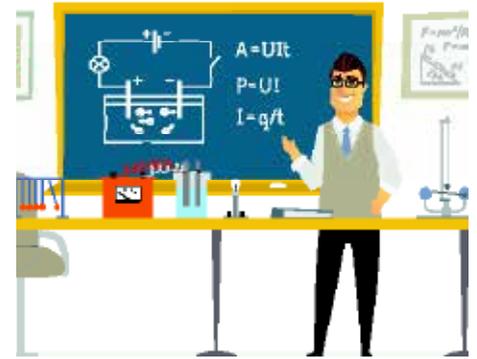
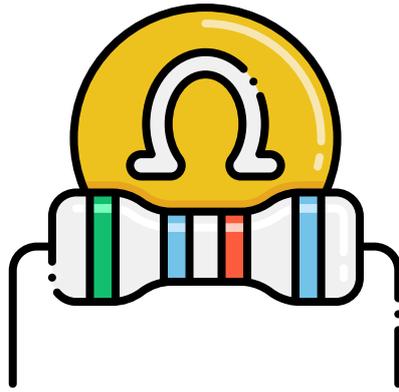
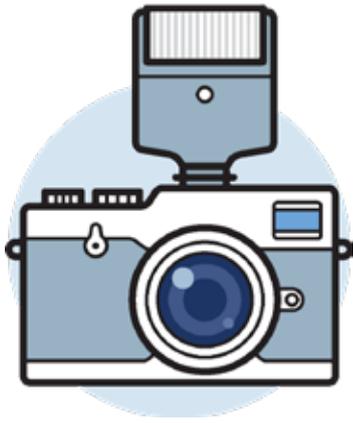
73 de Bob, w2od@arrl.net

UPDATE ON JEFF, N2LXM

Jeff, N2LXM was a very active past officer of GSARA and has not been heard from for some time. John, KA2F sent him an e-mail asking how he was doing and this is Jeff's reply:

Doing as well as we can these days. Wife had come down with COVID-19 back in March. So were both out of work for five weeks. Everything was going well. Then we went out to see our oldest son in Idaho. That's when our Governor put his travel advisories in place. So we were both out of work for two weeks. That put me so behind at work it was not funny. Been doing over time to catch up. When we get over this I am looking forward to getting back to meetings.

Jeff, N2LXM



Have you sent in your picture for the Members page of the club website? Let everyone know what you look like! Just send a picture in any format to k2cys@arrl.net and don't forget to include your name - how you like to be called - and your callsign.

Have a new project or item you would like to share with the club? New rig? New antenna? New super accessory for the shack? New breadboard project? People in the club are doing great things. Let us know what you're up to!

Ready to upgrade? Even with COVID-19 still around the GSARA is still testing in a modified manner. Check out the announcement in this issue of the Propagator and upgrade to General or Extra this month. You will be glad you did!

If you are late for the meetings (when we get back inside)

The Red Cross has increased the security for the building so the front door is always locked on meeting nights. Someone is posted at the door prior to the start of our meeting to let in attendees. However, the door-watcher attends the meeting when it starts at 7:30 so no one is at the door after that. If you come in late for the meeting, there is a door bell button on the handle of the door which, when pushed, rings a bell inside the building. Hopefully, someone at the meeting will hear it and come let you in. If no one comes in a short time, ring the bell again and again until someone comes. Thank you.

AUGUST 22 VE SESSION

By John King, KA2F

Special thanks goes to our GSARA VE team for another successful exam session held in the healthful Oakhurst Pavilion, August 22, 2020. VEs present were Art, N2AJO; Roberto, AC2PD; Don, KG2MV; Cy, K2CYS; Marlo, KA2IRQ; Bob, W2OD; and John, KA2F with Jay W2FLK as an observer and future VE.

One club member, Raakesh, K2RAK, upgraded to General. Two others, Daryl Jensen and Richard Jenkowski, passed the Tech and General exams with outstanding test scores.

This was a good day for GSARA and a great day for ham radio.
John KA2F for the GSARA VE Team



GARY, WB2RPW ON WAE 'TEST

Our own Gary Metzger, WA2RPW did it again with his outstanding performance in the Worked All Europe CW contest on August 7-9. By spending 27 hours in the chair, Gary worked 382 QSOs for an estimated total score of 100,548 points. Congratulations, Gary for a job well done!

Of course, it helps that Gary has remote access to an impressive contest station in Ohio with an antenna farm to die for. But, the QSOs don't pop up by themselves. Gary had to work for every one of them! And, his remote station is nearly 800 miles further from Europe than we are in New Jersey. Poor Gary! Congratulations, OM!





QSO ONLINE EXPO

If you were online for the QSO ONLINE EXPO in early August, you experienced a COVID free ham convention. There were dozens of speaker (the picture above is from KM4BUN who spoke about girls in STEM and ham radio and was a dynamic, inspiring speaker). There were presentations on so many facets of ham radio, lots of vendors who were doing live chat and zooming. It was really a professionally organized and run event but without the usual rain (cf, Dayton Hamvention!, getting almost run over by an electric scooter, and we won't even talk about the bathrooms or the cost of food! If you want to see videos of the presentations, Google 'QSO TODAY ONLINE.'



Fido was listening to CW practice, not his Master's Voice.

Have you done some CW practice today? Be like Fido.

SKEDDING BY EMAIL

No matter how long I tried, I simply could not put Delaware into the FT8 log on 10 and 15. We are too close for those bands and finding one randomly is nearly impossible.

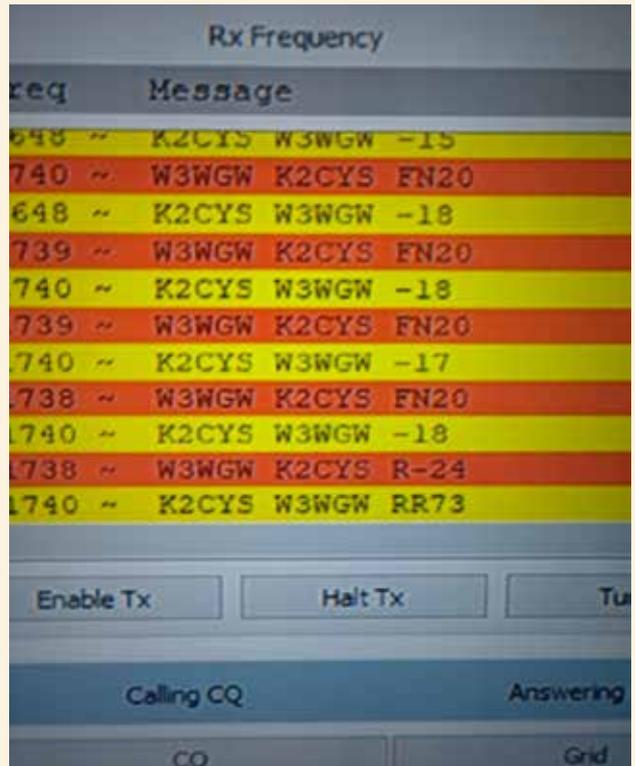
I mentioned this on the GSARA repeater not too long ago and a club member told me about a Delaware station who was a really, really nice guy and who would be happy to help. I got his call sign and, from there, QRZ.com gave me his email info.

I emailed him with my dilemma and he immediately responded with enthusiasm. Apparently, I am not the only one he has helped and he loves being a rare entity. And so a couple of days after our email QSO we were both up on the scheduled Sunday morning at about

8 AM and, although the band looked totally dead - as 10 and 15 usually do in the daytime these days - I called my CQ and almost immediately Bill, W3WGW came back and the sked was on! We completed both the 10 and 15 meter QSO within a couple of minutes and then, just like that, the bands went utterly flat. (You can see that with the -24 dB report)

But both QSOs were in the log and uploaded to LoTW for the credit. It was a wonderful feeling, to be sure. But what was even better is how one local tip from a GSARA member led me to another ham in another state who was only too willing to help out. It was a fortunate combination of personality and propagation that came together to make something happen.

We have a wonderful hobby where the spirit of cooperation, not cut-throat competition, still exists. Each of us will have chances to be on the 'asked' end of a favor. To help out a fellow ham can make all the difference between success and falling short of a goal.



Cy Stanway K2CYS



WELCOME NEW MEMBERS



THE FOLLOWING NEW MEMBER WAS VOTED INTO THE GSARA AT THE AUGUST 5 ZOOM MEETING:

George Elliott, KD2UDC from Manalapan was recently licensed as a Technician. He is retired from the State and is active on 2 meters and 440 with his Yaesu

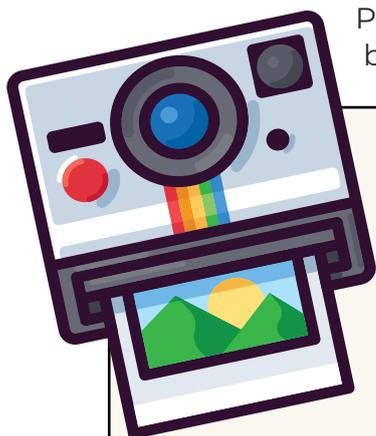
7250. An ARRL member, George is also interested in Firearms.

THE FOLLOWING NEW MEMBER WAS VOTED INTO THE GSARA AT THE AUGUST 19 ZOOM MEETING:

Isha Blokhra, W1SHA from Eatontown holds a recently acquired Technician class license. She is a student who recently turned 11 years old so she is now the youngest member of GSARA. She is the daughter of Raakesh Blokhra, K2RAK, who just upgraded to General. She will soon be on the air with her Icom ID-4100A mobile and handheld Baofeng BF-f8hp. An ARRL member, Isha is also interested in Painting, Songwriting, and Nature Conservation. She has actively promoted tree planting in her native India.

Details of these new members (address, phone number, e-mail address, etc. are available on the official Roster on the members portal of the GSARA website (www.gsara.club).

Please extend a hearty WELCOME to George and Isha, the newest members of GSARA!



Is your picture on the GSARA Club Members page on the website? If not and you want it to be, send a .jpg to Cy, K2CYS at k2cys@arrl.net. Don't forget to include your name how you like to be known by and your callsign.

TUESDAY NIGHT NET

In the four sessions in August, we had 63 check-ins for an average of 15.75 per session. The following 30 members checked into this net (number of check-ins in parenthesis):



N2BCS (4), K2MFS (4), K2NPT (4), W2OD (4), KD2OXR (4), KZ2G (3), WA2JOE (3), W2M-CJ (3), W2MJP (3), WB2RPW (3), K2CYS (2), KA2IRQ (2), AC2MB (2), KD2NAD (2), W2NAZ (2), KG2NV (2), KD2TOU (2), KC2YNL (2), N2AJ0 (1), N2BMK (1), W2CET (1), KD2EPA (1), KA2F (1), N2FSB (1), N2MEP (1), KC2NGH (1), W2PSK (1), K2RLF (1), KD2ROF (1) and N3SIQ (1).

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

73 de Bob, W2OD

GSARA YOUTUBE CHANNEL



*GSARA has its own YouTube channel. Over the coming months we hope to feature this part of the club so that you can revisit presentations and events. Simply go to [YouTube.com](https://www.youtube.com) and search for *gsara*. That will take you directly to the channel. You will find the previous live presentations. Over time, we will continue to add more and more once we come back together.*

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 art-gold@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. (Please be sure to see if the diner is open during COVID-19)

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? All are welcome. Check it out!





SOLAR NEWS

Now that we are in the opening moments of Solar Cycle 25, propagation forecasts are going to be more and more important as we prepare for the day-long DX days that will be with us for the next 6 years of so - we hope. You can keep track of the solar weather from this link: [HTTPS://WWW.YOUTUBE.COM/USER/SPWAFX](https://www.youtube.com/user/SPWAFX)

Dr. Tamitha Skov is a planetary scientist and presents the solar activity in a fun and informative way. In fact, she can be your go-to person as you prepare your DX activity in the coming week. Her forecasts are not heavily-laden with scientific jargon just 'good for ham radio operators' or 'not so good for ham radio operators.' It is like having your own propagation expert in the house. Check out her Youtube videos and subscribe with notifications. Don't miss out on the DX!

A HINT

Cy Stanway, K2CYS

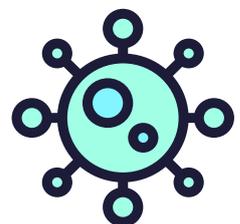


Since I got the K3/0 more than a year ago, I never really spent any time with it except to see if it lights up. In early August, I wanted to see what it could do and, like all ham radio gear, I couldn't make it work properly the first time. It received just fine but on transmit it made a terrible sound. I plugged it into the K3 for comparison and, lo and behold, same problem. I thought I had a bad mic. Nope. I called the manufacturer for what could possibly be the problem and within about a nanosecond he asked me if the bias

was on. All modern radios have a 'bias on' setting which is needed for electret mics. I turned it on, tested it on the K3 and, of course, it worked. It also worked on the K3/0. This is the second time I forgot about biasing a mic. So to make sure I don't forget again, I made a little label that says 'BIAS ON' and stuck it on the back of the mic. There is the hint. **Leave yourself a little label somewhere on your gear for those times when you have forgotten the most basic setting. If you do it once, you will do it again. This will help you correct the problem before you drive yourself mad.**



WEAR YOUR MASK! QSL?



GSARA ONLINE COMMUNITY



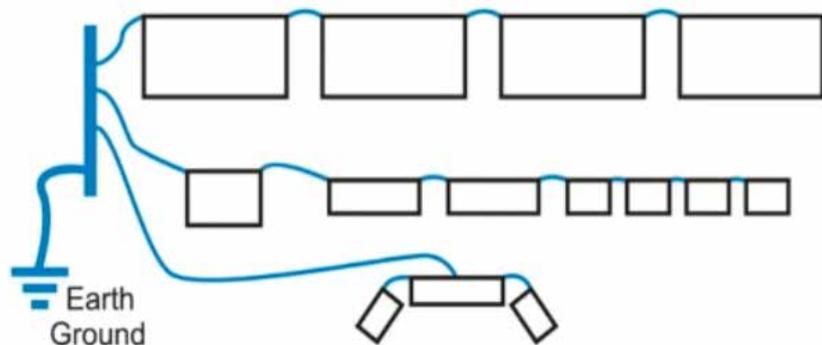
As discussed at our August Zoom Business meeting you are being invited to participate with an experimental GSARA on-line community. If you choose to participate you are being asked NOT to use aliases but instead to use your first name and amateur callsign.

Go to www.discord.com and sign up (it's free) and then search for GSARA and start communicating.

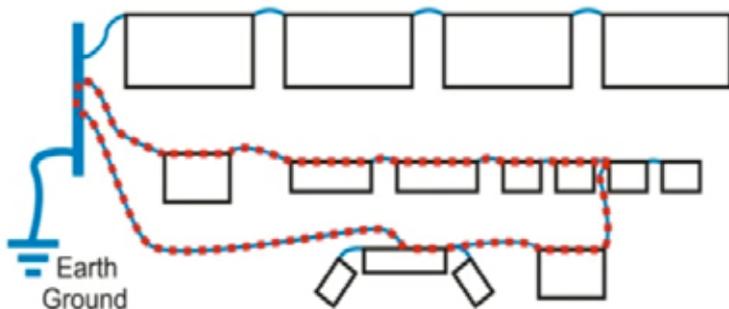
GROUND LOOPS – AVOID THEM

By Phil Festa, N2EDX

Ground loops often have a way of sneaking into the shack unnoticed. Ground loops introduce noise into the system and for this reason should be avoided. Our best defense to avoid ground loops is the practice of always returning our station grounds to a single common point, illustrated in the top picture.



When ground connections have more than one return path, ground loops occur as shown by the red dotted lines in the lower picture. In the second picture, a new piece of equipment had been added to the shack and a ground loop had been introduced by improperly grounding the chassis. Proper grounds should always flow in one direction to earth ground. These principles apply to all electronics whether it be your ham shack or home stereo system where it reveals itself as hum.



To learn more about ground loops and grounding I recommend reading, ARRL Publication: Grounding and Bonding for the Radio Amateur available in the GSARA library, book

#48

Operators, let's keep our receivers free of noise and ground loops.

73, Phil, n2edx@arrl.net

FAMOUS RADIO AMATEURS

W1AW, Hiram Percy Maxim ARRL founder
K1JT, Dr. Joseph Taylor, 1993 Nobel Prize Winner in Physics

KB1NXP, John Baldacci, former Governor of Maine

W1ZE, Irving Vermilya, first licensed radio amateur in the US

K2AMH, Robert Moog, inventor of Moog synthesizer

W2BML, Dr. Harold Beverage, inventor of Beverage antenna

K2GL, Hazard Reeves, inventor of Stereo sound system

KB2GSD, Walter Cronkite, newscaster

K2ORS, Jean Shepherd, writer, humorist

NE2Q, Jay Kolinsky, invented electronic siren

W2SGG, Robert Cusumano, co-inventor of printed circuits

K2ZCZ, George Pataki, former Governor of NY

W4CGP, Chet Atkins, singer composer

WB4KCG, Ronnie Milsap, singer-songwriter

N4KET, David French, CNN news anchor

W4LAA, Paul Kangas, co-anchor of Nightly Business Report

K4LIB, Arthur Godfrey, TV personality

WD4LZC, Larnell Harris, country/Christian music singer

WB4MCJ, Carl Rochelle, news columnist

W4MET, Tex Kern, SSTV pioneer

WA4SIR, Ron Parise, astronaut

KD4WUJ, Patti Loveless, singer

WA5AVA, Dale Seidenschwarz (Clyde Clifford) Beaker St. radio host

W5GLJ, George Marti, remote broadcast technology pioneer

W5LFL, Dr. Owen Garriot, astronaut

N5QWL, Jay Apt, astronaut

N5RAX, Linda Godwin, astronaut

WB6ACU, Joe Walsh, singer, composer, record producer

K6DUE, Roy Neal TV personality, news correspondent

W6EZV, General Curtis Lemay, VP candidate (Also K0GRL)

W6FUP, Stu Cook, bass player Creedence Clearwater Revival

W6FZZ, Samuel F.B. Morse III, great grandson of Morse Code inventor

KA6HVK, Burl Ives, Singer

N6KGB, Stewart Granger, actor

KB6LQS, Dick Rutan, pilot of Voyager airplane

KI6M, Stu Gilliam, comedian

W6OBB, Art Bell, syndicated radio personality

KD6OY, Garry Shandling, actor, comedian

KE6PZH, Marlon Brando, Jr., actor

WB6RER, Andy Devine, actor

W6UJ, Alvino Rey, musician, band leader

KA6UXR, Dr. Alexander Comfort, author

N6YOS, Priscilla Presley, actress

W6ZH, Herbert Hoover, Jr., IARU & ARRL President

W6ZH/W6APW, Herbert "Pete" Hoover III, AMSAT fundraiser

KA7EVD, Donnie Osmond

NK7U, Joe Rudi, major league baseball player

K7UGA, Barry Goldwater, US senator, 1964 presidential candidate

8CR, Powell Crosley, broadcast pioneer, founded WLW

W8OK, Frank Schwab, Mr. Hamvention

9ALD, Edgar Johnson, founder of E F Johnson Company

9DRV, David Packard, co-founder of Hewlett Packard

W0CXX, Art Collins, founder of Collins Radio

W0FQY, Carl Mosley, founder of Mosley Electronics

DG1KIM, Ulrich Walter, astronaut

EA0JC, Juan Carlos, King of Spain

FO5GJ, Marlon Brando, American actor

HS1A, Bhumiphol Adulayadej, King of Thailand

I0FCG, Francesco Cossiga, President of Italy

JY1, King Hussein of Jordan

RV3DW, Sergei Avdeyev, astronaut

TI2DR, David Ruben M. D., author

VU2RJ, Rajiv Gandhi, Prime Minister of India

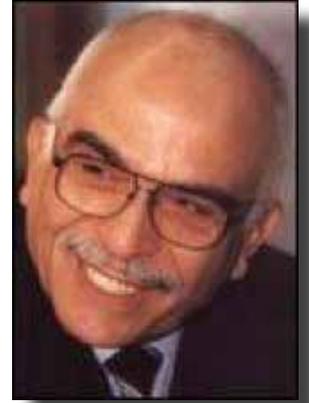
YN1AS, General Anastasio Somoza, President of Nicaragua

FORMER KING HUSSEIN, JY1

In memory of his Majesty King Hussein I of Jordan.

Amman, Jordan, Feb 8, 1999: Radio amateurs around the world joined in mourning the death over the weekend of Jordan's King Hussein, JY1. Hussein, 63, died Sunday morning. The Middle East's longest-reining ruler, he'd been Jordan's King for 47 years, taking the throne when he was just a teenager. His son, Abdullah, 37, succeeds him.

Hussein was a life member of the ARRL. Executive Vice President David Sumner, K1ZZ, called him "an enthusiastic radio amateur whose support was invaluable to us in obtaining new amateurs bands at the 1979 World Administrative Radio Conference." Sumner recalled that in May 1979, International Amateur Radio Union President Noel Eaton, VE3CJ, was invited to Amman to meet with King Hussein.



"Jordan's support of the Amateur Service was much in evidence at the conference that fall, and was a crucial element in our success," Sumner said. The WARC-79 resulted in amateur radio's gaining the 30, 17, and 12-meter bands.

That same year, JY1 was featured in the film, "The World of Amateur Radio."

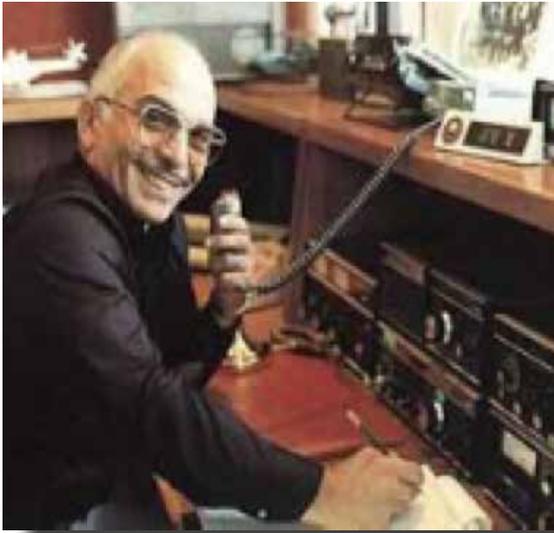
Hussein regarded his 1983 contact with Owen Garriott, W5LFL, onboard the Space Shuttle, as a high point in his amateur radio activity.

King Hussein also participated in the historic 1995 joint Israel-Jordan JY74X operation on Mt Nebo, where hams from both countries participated in a field day like operation. The King put in appearances both on the air and in person, much to the delight of the participants and those waiting to work him and JY74X.

Hussein's friend Bruce "Blackie" Blackburn, W4TA/JY99BB, of St Petersburg, Florida, called him "One of the world's most respected amateurs" and recounted many stories about King Hussein as a person and an avid amateur radio operator. "He was a wonderful guy, interested in everything and everyone," he said.

Blackburn first meet King Hussein in 1973 when he traveled to Jordan after retiring from a position with the US government. Blackburn had heard that the King was interested in radio and decided to approach him about setting up a communications system for royal communications. Blackburn says that, at that time, the only radio system in place was HF and a means for reliable, local communications was needed. Blackburn got an appointment with the King and worked with him to develop a microwave backbone system. Blackburn later moved his family to Jordan and lived there until 1980, becoming Hussein's friend and an advisor in various areas of communications.

Blackburn said King Hussein "promoted amateur radio to the hilt in Jordan" and saw to it that amateur radio classes were instituted in elementary schools. King Hussein also dropped in on meetings of the Royal Jordanian Radio Amateur Society in Amman. King Hussein also was in-



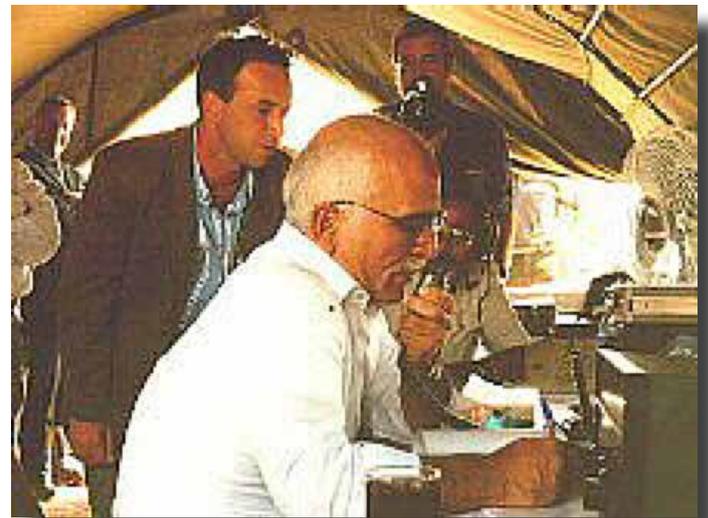
involved with the early satellite experiments.

Pat Kilroy, WD8LAQ, says he enjoyed a three-minute contact on 20 meters with the King in the fall of 1995. "JY1 was traveling aeronautical mobile, en route to the United Nations. He insisted on me addressing him simply as 'Hussein'," he said. "In one of the oldest traditions in amateur radio, Hussein upheld that this kinship transverses not only age and nationality, but also between citizen and head of state!"

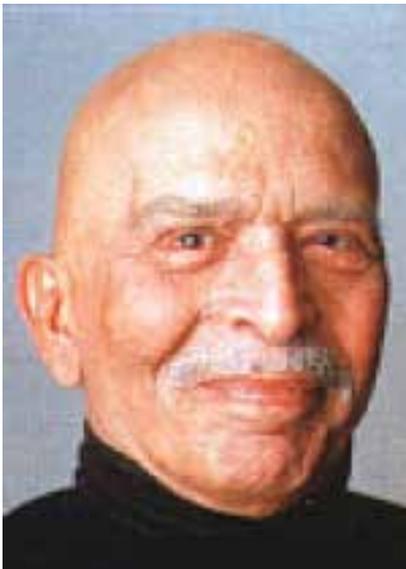
Kilroy said his QSO with Hussein came right after a launch of the shuttle Colombia, and Hussein was monitoring the WA3NAN space shuttle retransmission frequency. "Recalling his historic two-way contact with Owen Garriott, W5LFL, on STS-9 in 1983, I

struck up a conversation on the latest educational benefits of SAREX (Space Amateur Radio Experiment)," he recounted. "Hussein was indeed interested in the program and pleased to see it develop".

Hussein had been active in recent months from the US while seeking cancer treatment at Minnesota's Mayo Clinic. A QSO with JY1 was considered by many hams to be both an honor and a privilege. His elegant QSL card was prized. AMSAT Area Coordinator Bruce Paige, KK5DO, in Houston, worked JY1 while the King was in the US last summer. "I have worked astronauts aboard the shuttle, cosmonauts aboard Mir, DX stations on rare islands," Paige said. "None of



then gave me the rush that talking to the King has done. That was a very exciting moment for me."



All members of the Jordanian royal family have Amateur Radio privileges in Jordan. Although the new King does not appear to have a call sign, King Hussein's widow Queen Noor is JY1NH. King Hussein's brother, the former Crown Prince Hassan, is JY2HT, while his cousin, Prince Raad, JY2RZ, is chairman of the Royal Jordanian Radio Amateur Society.

Thanks to Alan, W2NIR for forwarding this article from the ARRL.

Did you know you can join the club or renew your membership from the club website at www.gsara.club? Just use the PayPal buttons on the bottom of the column.



CLUB PERKS

W2GSA CLUB NETS

Each Tuesday evening at 8:30 on the GSARA repeater.
Each Thursday evening at 8 on C4FM.

QSL BUREAU

If any GSARA members wish to combine their QSL cards that are going through the outgoing ARRL Bureau, please be in touch with John, KA2F.

GSARA.CLUB/W2GSA.ORG

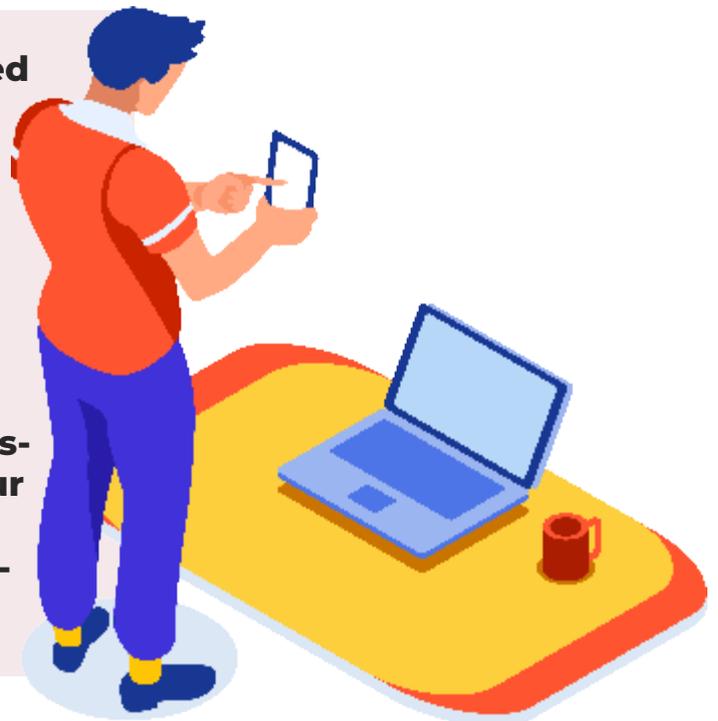
Have you seen the GSARA website lately at <https://www.gsara.club>? Check it out often for updates, news, announcements and general club information.

The GSARA Propagator is designed in InDesign CC 2020

Editor: Bob Buus, W2OD
Layout: Cy Stanway, K2CYS

You are invited to submit articles and ideas

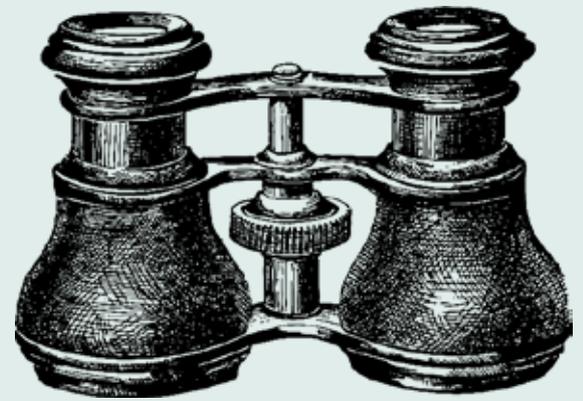
The Propagator is the official newsletter of the Garden State Amateur Radio Association. For questions about the Propagator, please contact k2cys@arrrl.net.



LOOKING BACK ON GSARA

FIVE YEARS AGO

From the September 2015 Propagator: John, KA2F organized a GSARA effort to participate in the North American QSO Party on SSB. We made 290 contacts for a total score of 22,910. Participants were Ray, WA1FFT, Cy, K2CYS, Bob, W2OD, John, KA2F, Jim, K2EI, Mike, K1MH, Rem, K2REM, John, KC2YWL (now SK), Marty, N2BMK, Len, WA1PCY and Syd, KG2CM. Blair Hearth, KC2EPA was awarded the ARRL Hudson Division Award for Technical Achievement which will be awarded at the awards luncheon on November 8.



TEN YEARS AGO

From the September 2010 Propagator: Vince Rosati, KE2V joined GSARA. The Red Cross is building cubicles for GSARA in the radio room. The program at the August 18 meeting featured Tom Cosgrove, N2VFK chasing storms and tornados in the Midwest. Gus Husenitza, WA2PAC died August 11 at age 90. Bill Shockley, NA2J was licensed 49 years on August 4 (it will be 60 years next August 4 – Ed.).

FIFTEEN YEARS AGO

From the September 2005 Propagator: Laura, N2HGI had a benign tumor removed from her head and is recovering. Tony, KA2ZSI suddenly lost his wife, Alice after 46 years of marriage. The GSARA generator was moved from the QTH of Rich, K2CPE to that of Jeff, N2LXM (it was later moved to the back of the Red Cross – Ed.). ARRL is holding a 15-hour Emergency Power Operating Event on September 17. ARRL is offering a reproduction of the 1926 first Handbook to all who purchase the 2006 Handbook. CQ magazine announced a CQ iDX award which allows contacts via the internet VOIP. ARRL debuted the ARES E-Letter.

TWENTY YEARS AGO

From the September 2000 Propagator: Special event station K2USA was on the air from Ft. Monmouth commemorating the Fort's 75th anniversary. A total of 590 contacts were made and special QSL cards are being printed. The GSARA Hamfest is coming October 14 at Croydon Hall and will include a special blood drive to benefit Clarence Kastner, KA2OZA (now SK). Dr. Frank Gudicello, K2TVY joined GSARA.

TWENTY-FIVE YEARS AGO

From the September, 1995 Propagator: Al Emer, N2YAC (now SK) will talk about hot air ballooning at the September 20 meeting. A trip to ARRL headquarters is planned for September 27. A dinner-dance is planned at the Town and Country Inn in Keyport on October 20.

THIRTY YEARS AGO

From the September 1990 Propagator: The editor, Elena Worrell, N2ITL had an interesting article about using HTs while hiking in the White Mountains in NH. Phil Peterson, W2DME (now SK) had an article about Amateur Radio in the Space Age.

100TH ANNIVERSARY WWJ DETROIT

From Wikipedia:

WWJ began daily broadcasts as the "Detroit News Radiophone" on August 20, 1920, while it operated under an amateur radio license with the call sign "8MK". Over the years the station has claimed the titles of "America's Pioneer Broadcasting Station" and where "commercial radio broadcasting began."

Thanks to Jim Griffiths, K2EI



GSARA has branded shirts, light winter jackets and baseball caps that you can personalize with your name and callsign. The jackets are S-XL and are \$60, 2-XL \$62 and 3-XL \$63. Caps are in blue or stone and are \$21 and golf shirts in blue or stone are \$25. Email Art Goldberg to order one today at agold42@gmail.com.

REMOTE HAMS SYSTEM

The club has a wonderful feature available for members only. The club's IC7300 is connected online to RemoteHams which gives anyone with an internet connection and a computer the opportunity to work HF with the club's antennas, no matter where you are in the world. Go to RemoteHams.com to get started and check the club website at www.gsara.club for set-up instructions that can be found on the home page.



NOTES ON CALENDAR (see next page)

Large Call letters denote birthdays e.g. **KD2FZN** on September 14. All times are EDST. Contests are listed in the September QST, p. 71. The W1AW CW Qualifying runs are shown each day as “CW” followed by the time and followed by either “35” for 10-35 WPM or “40” for 10-40 WPM and the optional letter “R” at the end denoting that the speed decreases rather than increases. For complete Qualifying Run information, see September 2020 QST page 77 and www.arrl.org/qualifying-run-schedule

September 1 - **W1AW CW Qualifying Run (CW 7 pm 35R)** at 7 pm (35-10 wpm).

September 1 – **Old Barney ARC Meeting** at 7:30 pm in Manahawkin, NJ. See <http://www.obarc.org> (probably cancelled or on Zoom).

September 1 and every following Tuesday – **GSARA Net** on 147.045 PL=67 at 8:30 pm.

September 1 and every following Tuesday – **QCWA News Net** on 147.045 PL=67 at 9:00 pm.

September 2 – **GSARA Meeting** at 7:30 pm via Zoom teleconferencing. This will be a program meeting featuring Clint Bradford, K6LCS who will talk about “How to Work Amateur Satellites with Your HT.”

September 3 – **Holiday City ARC Meeting** at 7 pm at Holiday City South Clubhouse in Toms River. (this will be on Zoom)

September 3 and every following Thursday – **GSARA Digital Fusion Net** on 147.045 at 8 pm in DN Mode.

September 3 - **W1AW CW Qualifying Run (CW 10 pm 40)** at 10 pm (10-40 wpm).

September 4 and every Friday – **Lunch at the Blue Swan Diner** is cancelled until restaurants are again open to the public.

August 4-6 – **All Asian DX Contest, Phone** from 8 pm Friday to 7:59 pm Sunday. See <http://www.jarl.org/English>

September 7 – **Labor Day Holiday**

September 8 – **W1AW CW Qualifying Run (CW 4 pm 35)** at 4 pm (10-35 wpm).

September 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 (held outdoors).

September 10 – **JSARS meeting** in Riverwood Park Rec. Building, Rt. 527 and Riverwood Drive at 7:30 pm (probably cancelled).

September 11-13 – **Worked All Europe SSB DX Contest** from 8 pm Fri. to 7:59 pm Sun. See <http://www.darc.de/der-club/referate/conteste>

September 12-13 – **ARRL VHF Contest**, All Modes from 2 pm Sat. to 11 pm Sun. See <http://www.arrl.org/september-vhf>

September 12 – **OMARC Meeting** at 9:00 am at the Firehouse on 600 Sixth Ave. in Spring Lake Heights (probably cancelled).

September 16 – **GSARA Meeting** at 7:30 pm via Zoom teleconferencing. This will be a business meeting.

September 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 (probably cancelled or held outdoors).

September 19-20 – **All Africa International DX Contest**, All Modes from 8 am Saturday to 8 am Sunday. See <http://www.sarl.org.za>

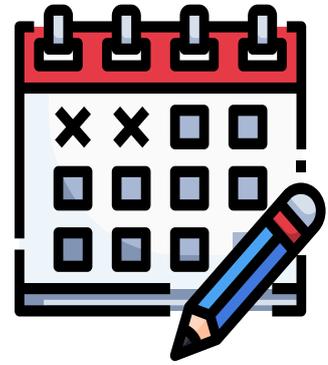
September 19 – **NJ QSO Party**, All Modes from noon to 11:59 pm Saturday. See <http://www.k2td-bcrc.org/njqp>

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

September 26– **GSARA VE Test Session** at 10 am at the Red Cross Regional Headquarters in Tinton Falls.

September 25-27 – **World Wide RTTY DX Contest** from 8 pm Friday to 7:59 pm Sunday. See <http://www.cqwrrtty.com>

GSARA CALENDAR



SEPTEMBER 2020

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1 CW 7 pm 35R GSARA Net 8:30 QCWA News 9 PM	2 GSARA Mtg	3 HCARC Mtg GSARA Dig. Net CW 10 pm 40	4 CW 9 am 35 All Asian DX	5 All Asian DX
6 All Asian DX	7 LABOR DAY	8 CW 4 pm 35 GSARA Net 8:30 QCWA News 9 PM5	9 CW 7 pm 40 Hol. City VE	10 CW 9 am 35R JSARS Mtg GSARA Dig. Net	11 WAE SSB DX CW 10 pm 35	12 OMARC Mtg. WAE SSB DX ARRL VHF
13 WAE SSB DX ARRL VHF	14 KS2FZN	15 N2AJO CW 9 am 35 GSARA Net 8:30 QCWA News 9 PM	16 GSARA Mtg CW 10 pm 35R	17 CW 7 pm 35 JSARS VE GSARA Dig. Net	18 M2FSB CW 4 pm 40	19 GSARA VE All Africa DX NJ QSO
20 All Africa DX	21 ARES/RACES 8 pm CW 10 pm 40	22 GSARA Net 8:30 QCWA News 9 PM	23 CW 9am 35R	24 CW 4 pm 35R GSARA Dig. Net	25 WB2RPW CW 7 pm 35 CQ WW RTTY	26 CQ WW RTTY
27 CQ WW RTTY	28	29	30 N2VFK			



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