



THE PROPAGATOR

8 Donner St.
Holmdel, NJ 07733
Editor: Bob Buus, W2OD

DECEMBER 2016

UPCOMING GSARA MEETINGS

The next GSARA meeting will be on **Wednesday, December 7 at 7:30 PM** at the Red Cross. As the 75th anniversary of Pearl Harbor Day, the program will feature two short videos – “Voice of Victory” and “Radio at War” which Blair Heath, KD2EPA found on the internet. Light refreshments will be served and guests are welcome.

The second meeting in December will be held on **Wednesday, December 21 at 7:30 PM** at the Red Cross. This will be a regular business meeting. Refreshments will be served.

GSARA NET 8:30 PM TUESDAYS

GSARA members meet on the Asbury Park repeater every Tuesday at 8:30 pm. In the 5 sessions in November we had 30 check-ins for an average of 6 per session. The following 14 members checked into this net (number of check-ins in parenthesis):

N2HGI (5), W2OD (4), KC2YNL (4), N2BMK (2), KA2F (2), W2LAF (2), KD2LLJ (2), KD2MGE (2), WB2RPW (2), N2AJO (1), K2ARK (1), W2HAM (1), N2JNG (1) and K2KDC (1).

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

VE TEST SESSION DECEMBER 24

The GSARA monthly test session will be held at the Red Cross on Saturday, December 24 at 11 am. The fee is \$15 and you should bring the original and a copy of any amateur license presently held and the original and one copy of any credit (CSCE) forms that you have (copies will be sent in with your test results). Also bring 2 forms of ID with one being a photo ID. For more information, contact Rich Bilon, N3RB at 732-972-1397 or n3rb@arrl.net.

WELCOME NEW MEMBER

Please welcome new member Mirek Ambrozy, KD2MEH who just passed his Technician test. Licensed in Poland as SP7G since 1987, Mirek is active on all modes and bands with an IC-7900, an IC-706 and an FT-897. Please add to your Roster:

Mirek Ambrozy, SP7G
20 Overlook Drive
Holmdel, NJ 07733
908-494-9679
sp7g@wp.pl

A warm welcome is extended to Mirek.

MEMBER LICENSING UPDATES

Luke Ferrone, W2LAF upgraded to General.

Jake Downie passed his Tech exam and has received his call of KD2MGE.

Congratulations to both!

MEMBER OF YEAR LUNCHEON

Save **Saturday, January 14, 2017, 2 P.M.** for our **Luncheon** to honor **Rem, K2REM** as **GSARA's 2016 Member of the Year!**

The affair will take place at Tuzzio's Restaurant, 224 Westwood Ave., Long Branch. The cost per person is \$25 and the menu includes: Caesar Salad
Choice of Chicken Parmesan, Eggplant Rolatini, Shrimp Francese, Tilapia Oregonata with pasta.
Bread and Dessert
Beverages (Cash Bar Available)

Send your check with a note of the number of persons attending OR bring your check/cash to a club meeting. Sign up **DEADLINE is January 11.**

John King, KA2F
18 Carmel Way
Eatontown, N.J. 07724

GSARA OFFICERS

President	W2HTS	Howard Suffill	460-1885
Vice Pres.	K2REM	Rem Hunnewell	889-6692
Secretary	W2OD	Bob Buus	946-8615
Treasurer	KA2F	John King	942-7705
Engineer	W2EPD	George Graulich	255-7916
Webmaster	K2CYS	Cy Stanway	768-7773
Publicity	Open		
Repeater	N2LXM	Jeff Harshman	922-0816
Radio Room Phone		732-493-9100, X1252	
Trustees	W2KQ	Joe Dreifuss	493-4236
	W2OD	Bob Buus	946-8615
	W2HAM	Lou Russo	842-6431

FRIDAY BLUE SWAN LUNCHEONS

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.

PATCHES

We have GSARA patches available at all meetings and they cost \$3.

OUTGOING QSL CARDS

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?

PROPAGATOR NOW ON THE WEB

The *Propagator* is available as a PDF file at:

<http://www.gardenstateara.org>

Click on "The Propagator" and then select the month you want.

GSARA HOMEPAGE

<http://www.gardenstateara.org>

HUDSON DIVISION HOME PAGE

<http://www.hudson.arrl.org>

EDITOR'S NOTES

As I put this issue of *The Propagator* to bed, it completes 25 years of serving as editor. That's 300 monthly issues or 3000 pages. I've used the same header on page 1 for every issue and have used the calendar on the last page for many of those years. Some have suggested (and I agree) that the format is getting a bit stale and maybe even a bit boring. To address this issue, Cy, K2CYS sent me a template some weeks ago that could be used with Microsoft Publisher to jazz up the formatting. I played with Cy's template by pouring much of the November issue into it. There is no question that the resulting format gave *The Propagator* much more zip and snap.

Unfortunately, I did not like using Publisher even though the learning curve was not too steep. Then when I went to print these snazzy Publisher-based Propagators, I found that I rapidly depleted my expensive color ink cartridges (I still print about 25 copies of *The Propagator* every month.) So, after careful thought, I decided that I like the boring *Propagator*. Face it, no amount of color or formatting will keep the minutes of past meetings from being boring. I find that the most efficient way to impart semi-technical information is by printing black letters on white paper. I'm of the older generation that loves to read and the subject content keeps me interested without lots of flashy color and stunning graphics.

So, as long as I am editor, *The Propagator* will continue on its dull, mostly black and white text format. For those of you who would like to see some changes to freshen up this newsletter, I offer you the opportunity to take over as editor and have complete control over the format. It's highly unlikely that I will be around for another 25 years to edit this newsletter so it is timely to have someone else jump in and have the fun that I've enjoyed for the past quarter century. Any takers?

By the way, the XX YEARS AGO column (with XX being 15, 20, or 25) has been running for 5 years so what was 15 years ago is now 20. Should it continue or should I only include the 5 and 10 years ago which have not been running so long. Any thoughts about this?

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

73 de Bob, w2od@arrl.net

MINUTES OF NOVEMBER 2, MEETING

By Bob Buus, W2OD

President Howard Suffill, W2HTS was absent so the meeting was called to order by Vice President Rem, K2REM at 7:32 pm. There were 11 members and 1 guest present. The guest was NNJ Section Manager Steve Ostrove, K2SO from Elizabeth. After the pledge to the flag, all present introduced themselves and gave a few words about what they are up to. Rem, K2REM showed some recently acquired keys and a bug made by Lionel during World War II. Ray, WA1FFT is moving to Connecticut and has some vintage gear looking for a new home. John, KA2F showed the Cervantes certificate that he earned for W2GSA. Joe, W2KQ has all of his Centennial QSL cards. Luke, W2LAF brought in a spare Yaesu microphone that Ralph, KC2YNL requested on the Tuesday net. Bob, W2OD received erroneously the latest National Contest Journal which was donated to the GSARA library.

New Member

An application for membership was received with payment of \$7.50 from Mirek Ambrozy, SP7G who recently passed his Tech exam and is awaiting his U.S. call. First licensed in 1987, he is interested in all modes and all bands. A motion was made by Joe, W2KQ and seconded by Arek, AC2FC to accept Mirek as an active member of the GSARA. The motion passed unanimously.

Old Business

Bob, W2OD read a letter received from Paul Roman thanking GSARA for our services at the Twin Lights Bike Tour with over 1500 riders. He enclosed a \$250 donation to GSARA which was forwarded to Treasurer John, KA2F.

Program

Our new NNJ Section Manager Steve Ostrove, K2SO was introduced. Steve gave some background on himself starting with his Novice activity as WN2CZW. He has an extensive background in emergency communications and was very active after the 9/11 attack in New York. He has held positions of EC, SEC and now SM. He retired at the end of 2015 so has more time to devote to amateur radio. He solicited material to put on the NNJ web page at www.arrl.org/nnj and we agreed to put him on the distribution list for

our monthly Propagator. It was an interesting session and we each got to know each other better.



ARRL NNJ SM Steve Ostrove, K2SO at GSARA

Announcements

With Ray, WA1FFT moving to Connecticut, we will have to appoint a new outgoing QSL manager for GSARA.

Blair, KD2EPA has an idea for an upcoming program based on the MacGyver TV series. It worked for MacGyver, but would it really work? He was encouraged to pursue this idea.

Close

The door prize of \$12 was won by Rem, K2REM. There being no further business, a motion was made by Marty, N2BMK and seconded by Joe, W2KQ to adjourn the meeting which was closed at 8:38 pm.

MINUTES OF NOVEMBER 16 MEETING

By Bob Buus, W2OD, Secretary

President Howard Suffill, W2HTS called the meeting to order at 7:33 PM at the Red Cross. There were 14 members present. After the pledge to the flag, all present introduced themselves and briefly described their recent amateur radio activities. Blair, KD2EPA is playing with PSK-31. Tom, N2VFK has wrapped up Public Service events for 2016. Bob, W2OD has finally gotten his turns counter breadboard working properly.

Health and Welfare

The father of Cy, K2CYS passed away recently in Canada.

Bruce, K2QXW is undergoing chemo for his lung cancer.

Secretary's Report

Bob, W2OD read the minutes of the last meeting. A motion was made by Art, W2NAZ and seconded by Ralph, KC2YNL to accept the minutes of the November 2 meeting as read. The motion passed unanimously.

Treasurer's Report

Treasurer John King, KA2F was absent so his report was read by Howard, W2HTS. A motion was made by Tom, N2VFK and seconded by Ralph, KC2YNL to accept the report as read. The motion passed unanimously.

Nominating Committee

The following candidates had been presented by the Nominating Committee and have agreed to serve for 2017:

President: Howard Suffill, W2HTS
Vice President Rem Hunnewell, K2REM
Secretary: Bob Buus, W2OD
Treasurer: John King, KA2F
Chief Engineer: Arek Tarniowy, AC2FC

Howard, W2HTS opened the floor to any other nominations. With none being presented, the floor nominations were closed. A motion was then made by Tom, N2VFK and seconded by Hunter to have the Secretary cast a vote for the above slate of officers for 2017. The motion passed unanimously.

Old Business

Tom Cosgrove, N2VFK read a Thank You note to GSARA for helping again with the CROP walk.

Bob, W2OD asked if the December VE session was going to be as scheduled on Christmas Eve. Howard, W2HTS agreed to check into it.

Members were reminded to urge their senators to support the antenna legislation regarding antennas in restricted communities.

New Business

Joe, W2KQ asked if there was interest in holding a Holiday party in December. There did not appear to be sufficient interest.

Announcements

Joe, W2KQ thanked the members for nominating him as Grand Ole Ham in the Hudson Division.

Members are asked to mark their calendars for Saturday, January 14, at 2 pm when we will hold the GSARA annual awards luncheon at Tuzzio's in Long Branch and honor Rem, K2REM as member of the year. The cost will be \$20 per person.

Close

The door prize of \$13 was won by Hunter. There being no further business, a motion was made by Blair, KD2EPA and seconded by Hunter to close the meeting which was adjourned at 8:03 pm.

THANK YOU FROM CROP WALK

The following note was received by Tom Cosgrove, N2VFK on October 25 from Janie Schlidge:

Dear Tom,

I want to thank you for always being there for the CROP walk and the walkers! It is astounding that you rounded up so many folks. I hope they were not too upset about one more weekend day of volunteering. I know you have so many events to cover every season. You are supreme volunteers.

I found 10 T-shirts and realize we sold a lot this year! So hope these cover most of your crew.

Thanks Tom and GSARA,

Janie Schlidge

HUDSON DIVISION AWARDS LUNCH

Six GSARA members went to Newburgh, NY to attend the 2016 Hudson Division Awards Luncheon. Our own Joe Dreifuss, W2KQ received the "Grand Ol' Ham" award for his numerous ham radio achievements over the years. Bob, W2OD introduced Joe by outlining some of his amateur radio accomplishments and Hudson Division Director, Mike, N2YBB presented the award.



Joe, W2KQ (center) receiving his Grand Ol' Ham Award with Bob, W2OD (left) and Hudson Division Director Mike, N2YBB (right).

From the Awards Luncheon Program Booklet:

Joe Dreifuss – W2KQ

US Army – Retired Sergeant Major

Involved with a Global Communication System

Former Vice President & General Manager, Karkar Electronics

Vice President and General Manager Coastcom Electronics

Vice President Aydin Radio Systems

Currently Manage Commercial Real Estate Properties

Thanks to the Boy Scouts of America where I learned Morse code

Thanks to the Superintendent of the building in NY where I learned Radio & TV Repair

Thanks to my Elmer Gilbert, F8TZ who encouraged me to take the French License test

First licensed as F7GX (1958-1965)

Licensed as WA2GSY 1959

DXpedition to Andorra as PX1GX with G5RV (PX1RV) 1961

DXpedition to Barbados as 8P9KP

Former Amateur Radio Calls F7GX, WA2GSY, HL9KQ, DI4MZ, DA2DR, F0FO, 8P9KP, operator at ET2USA and EP3USA

Active with the REF (French equivalent of the ARRL); was Elmer to many French Amateurs teaching theory and Morse code

Won the French REF national contest Phone & CW in 1965

Received an award from the REF (Merite du REF)

Former President, Treasurer and Trustee, GSARA

Former President QCWA Chapter 138

Organized Hamfests for GSARA

Active as a VE and participated in Walkathons and Bikeathons

Participated in OEM activities and supports Red Cross Communications

Member ARRL, AMSAT, QCWA

Currently Active on CW

Married to Fran Dreifuss, WB2SZB formerly F5ZB and DA1ZB

2 Children, 3 Grandchildren and 4 Great Grandchildren

Daughter, N3KRK; Grandson, KB1ROQ; and Son in Law, N3JAZ are licensed amateurs

2017 DUES ARE NOW DUE

GSARA membership dues of **\$15** (\$20 for Family or if you want paper copy of Propagator mailed to you) may be paid to the Treasurer at any time. You may mail your check made out to "Garden State ARA" to:

John King KA2F
18 Carmel Way
Eatontown, N.J. 07724

Dues may also be paid at club meetings, either in cash or check. Another GSARA officer may also accept your dues. Membership cards signed by the President are available upon request.

Thank you for your attention to this important club matter.

73, John, KA2F

Please note that there is a coupon on the bottom of page 9 that can be used for renewing your dues.

Foreign aid might be defined as a transfer of money from poor people in rich countries to rich people in poor countries. **Douglas Case**, Classmate of Bill Clinton at Georgetown University.

WW II LISTENING POSTS

Radio Listening Posts were established by the Federal Communications Commission within the United States to listen to radio traffic during World War II. One of these was at Scituate, Rhode Island. Others were at Fort Ward (Washington), Winter Harbor, Maine, Amagansett, New York, Cheltenham, Maryland and Jupiter, Florida.

About one year before the United States entered WW2, Thomas B. Cave was sent to Rhode Island to set up a secret radio listening post. The purpose of the post was to detect radio transmissions from German spies in the United States and assist in locating downed aircraft. In March 1941 he abandoned his first choice of Greenville, RI for a farmhouse with 183 acres of land located on Darby Road near Chopmist Hill in Scituate, Rhode Island. The FCC leased the farmhouse from Mr. William A. Suddard.

The completed listening post contained over 80,000 feet of wire, 11 antennas and many advanced radio receivers. The site included two direction finding antennas. These could be rotated to get a bearing on the transmitting station. This information when compared with similar measurements from other distant stations allowed the transmitting location to be triangulated. The use of two of these antennas meant both parties in a conversation could be located.

Countries heard

Caribbean: The quick response of this station allowed it to home in on German submarines in the Caribbean prompting the supervisor to state that "we were practically in on the kill" when describing the destruction of German Submarines.

Africa: From West Africa a large variety of clandestine radio transmitters was detected. In the African desert not only were the German command center-to-tank transmissions received but also tank-to-tank transmissions were clearly audible. The reception of these signals helped to turn the tide in the North Africa campaign.

South America: From South America spies transmitting back to Germany were detected and most countries cooperated in efforts to shut down the transmissions. The one exception to this was Argentina with its Pro-Nazi Sympathies.

One report sent to German submarines contained the scheduled departure date of the Queen Mary as well as its intended route to Australia. The destruction of this ship along with its 14,000 soldiers would have been a heavy blow but this was prevented by the eavesdropping ability of Chopmist Hill.

Pacific Ocean: From the Pacific Ocean signals were picked up of TNT-carrying Japanese balloons that had been released to follow the jet stream to the United States. The positions of these balloons was transmitted to Allied forces who shot them down.

East Coast: On the East Coast of the United States from Labrador to Florida signals of lost planes were picked up. Their position was triangulated and instructions to the planes were transmitted to enable them to arrive in the United States. This action saved thousands of people including actress Kay Francis who was returning home after a USO tour.

Germany: Vital local weather reports for the Germany homeland were purposely transmitted on frequencies that did not reach England but these transmissions were detected at Chopmist Hill.

Disbelief from the Army: Approximately 127 tests were made to ensure the site was able to accomplish what it claimed to do. In one test a station was set up in the Pentagon with a wire hanging out a window to transmit a signal. The object was to see how long it would take various receiving stations to detect this signal. Chopmist Hill detected it in seven minutes.

From:

https://en.wikipedia.org/wiki/Chopmist_Hill_Listening_Post

KA2F LETTER IN DECEMBER QST

John has a wonderful letter about his experience with his early CW rig in the letters from the members In the December issue of QST.

Way to go, John.

73 de Len, WA1PCY

A government which robs Peter to pay Paul can always depend on the support of Paul. --
George Bernard Shaw

ALFRED VAIL

By Bob Buus, W2OD

One of the witnesses of the Morse 1837 demonstration of the telegraph at the College of New York was a young man named Alfred Vail. Vail's family owned the Speedwell Ironworks near Morristown, NJ. Alfred had grown up around the ironworks and was quite familiar with working with and building mechanical devices with iron. He was particularly intrigued with Morse's demonstration and could foresee many obvious improvements to Morse's poor design. Vail was so excited about the potential of the Morse telegraph that he offered to refine the Morse design at his expense but wanted a 25% share of any future profits. This Morse agreed to as long as all patent rights remained with Morse.

When Morse consulted Joseph Henry to learn how to build a better electromagnet, Vail was present and quickly built an intensity electromagnet per Henry's specification that worked superbly. Vail replaced the pencil on the end of Morse's pendulum with a pen and shortened the length of the pendulum to get faster response. When Vail found that the ink from the pen splashed out with the rapid side-to-side motion, he changed the orientation so the electromagnet pulled the pen against the moving paper strip while a spring pulled the pen off the paper when the electromagnet was de-energized. The resulting Vail register or inker was far superior to the Morse design.

For transmitting the series of dots for the different messages, Vail threw out the notched stick of Morse and replaced it with a hand key that would make the series of dots by simply pumping the handle of the key up and down. The resulting Vail key is strikingly similar to our contemporary straight telegraph key. All of these improvements were done at the Speedwell Ironworks with little input from Morse.

When a corrupt politician in Washington insisted on a piece of the action in order to support Morse's request for government funding, Morse had to cut Vail's share of profits from 25% to 12.5%. Interestingly, Morse retained his 50% share. Vail spent his share of the profits to support his family and was doing so poorly financially that he dropped out of the telegraph business in 1848 and died 10 years later in poverty. At the time of Vail's death, Morse

finally got a royalty settlement of \$80,000 from Europe and gave Vail's widow \$5000 of it (the corrupt politician got \$7500).

As an aside, Alfred Vail's first cousin, Theodore Vail was instrumental in forming AT&T about 20 years later and served as its first President.

If Vail was so instrumental in developing the telegraph, why isn't his name on any of the key patents? The answer is simple. As a condition of employment, Morse insisted that any inventions of his workers would be patented under the Morse name. Morse wanted the world to think that his superior telegraph was his and his alone. So now you know.

BOOK REVIEW

By Bob Buus, W2OD

The book "*Understanding, Building, and Using Baluns and Ununs*" by Jerry Sevick, W2FMI was recently donated to the GSARA library by KJI Electronics. This is an update and review of the 4 editions of Jerry's book, "*Transmission Line Transformers*" published between 1987 and 2001. This book is divided into two parts – Part I on Understanding Baluns and Ununs and Part II on Building and Using Baluns and Ununs.

I was disappointed in Part I as I felt that Jerry's explanations were a bit vague and too brief for someone wanting to learn how these baluns and ununs work. If you want an explanation of the theory and operation of these transmission line transformers, you will find a better treatment in the earlier books (and even they are not great – just better than this book).

Part II of the book really shines as a tutorial of the many practical aspects of making baluns and ununs. Here, Jerry's vast experience shines through as he tells of the difficulties likely encountered when you wind your own transformers. If you're thinking of building your own balun or unun of whatever impedance ratio, you should refer to appropriate parts in Part II of this book. For practical tips on building your own baluns and ununs as well as the type of performance you can expect, Part II of this book is for you.

To understand how baluns and ununs work, I'd recommend Jerry's earlier books.

GREETINGS FROM ALAN, W2NIR

Two weeks ago I was released from Monmouth Medical after suffering from a bowel constriction. They kept me on I.V. for three days without any food. I am now home and slowly getting my strength back. The summer and fall of this year has been rough on my family and myself but I think I am finally turning the corner. I regret having missed so many meetings but my health prevented my attendance.

On December 6 we shove off for Florida and will return in mid-March 2017. For a while it was touch and go if we could get away. I am taking my rig in the car and hope to work some contacts when we go down. Maybe I will get lucky and work some of the local guys on 20 meters. Stay well and pray for a mild winter with little snow.

Happy Holidays to you and the group.

Sincerely, Alan, W2NIR.

CONTACT YOUR SENATORS

Good Day Hudson Division. We are coming down to the wire on H.R. 1301 (S.253). We have less than three work weeks left to the 114th Congress.

In the current email campaign which started last week, over 33,000 emails have been sent to the Senate. On Monday we began a call-in campaign asking the membership in Florida. We are working to get meetings with the sponsoring Senators next week to try to shake this thing loose.

At this time, it would be very helpful to the cause if you would send an email to our Senators using the app which can be found at: <https://arrr.rallycongress.net/ctas/urge-us-senate-to-pass-amateur-radio-parity-act>

Let's get this Bill passed and make it a very happy ham radio Thanksgiving!

73 de Mike, N2YBB.

Government is the great fiction, through which everybody endeavors to live at the expense of everybody else. -- **Frederic Bastiat**, French economist (1801-1850).

FIVE YEARS AGO

From the December 2011 Propagator: The GSARA Christmas Party will be on December 7 at the Red Cross. W2GSA operated from the Red Cross for the SSB Sweepstakes. Five operators earned 20,618 points. There was an article on Saint Maximilian Kolbe, SP3RN-SK as the patron saint of amateur radio operators. Articles on 15, 20 and 25 Years ago appeared for the first time.

TEN YEARS AGO

From the December 2006 Propagator: A two-page Roster was included which showed 60 members. The Neptune ARC invited GSARA to attend their Christmas party at the American Legion in Neptune. The FCC expanded the 75 meter phone band effective December 15.

FIFTEEN YEARS AGO

From the December 2001 Propagator: Mike, KC2Q organized a Holiday Party on December 27 at the English Manor in Ocean. Frank, W2XYZ reports on the QCWA Caribbean cruise he and Joe, W2KQ took in October.

TWENTY YEARS AGO

From the December, 1996. The only meeting in December is the first Wednesday and it will be a Holiday Party held at Bicentennial Hall in Fair Haven organized by Joh, N2DPC. Ten meter nets on phone (every Thursday) and CW (every non-meeting Wednesday) are doing very well. A Roster showing 152 members was attached.

TWENTY-FIVE YEARS AGO

From the December 1991 Propagator: This is the last Propagator edited by Al, K2LG who has been elected President of GSARA. Bob, W2OD will pick up the editing job. Al, K2LG has lined up an impressive list of speakers for many of our 1992 meetings.

THIRTY YEARS AGO

I do not have a Propagator for December 1986. The Holiday get-together is at Bicentennial Hall where members bring a dish. Harry Polhemus, KN2B takes over as Editor of the Propagator.

NOTES ON CALENDAR (see next page)

Large Call letters denote birthdays e.g. **N3RB** December 1. All times are EST. Contests are listed in the December QST, p. 73.

December 1 - **HCARC Holiday Lunch** at 2 pm at Villa Amalfi in Toms River instead of meeting.

December 2 and every Friday – **Lunch at the Blue Swan Diner** in Ocean at noon. Table at back left.

December 2 - **W1AW Qualifying Run** at 10 pm (10-40 wpm). See December 2016 QST page 101 and www.arrl.org/qualifying-run-schedule

December 4 and every Saturday, Sunday and Wednesday – **InfoAge Marconi Hotel** open from 1 to 5 pm on Marconi Road in Wall.

December 5 - **Monmouth County ARES Net** meets on 147.045 +600, PL=67.0 at 7:30 pm

December 6 – **Old Barney VE Session** at 6:30 pm in Manahawkin. Contact Urb Le Jeune, W1UL at 609-296-5856 or urb@w2dec.com

December 6 – **Old Barney ARC Meeting** at 7:30 pm in Manahawkin, NJ. See <http://www.obarc.org>

December 6 and every following Tuesday – **GSARA Net** on 147.045 PL=67 at 8:30 pm.

December 6 and every following Tuesday – **QCWA News Net** on 147.045 PL=67 at 9:00 pm.

December 7 – **GSARA Program Meeting** at 7:30 pm at the Red Cross. Program features two short videos about Radio during World War II. Light refreshments will be served.

December 8 – **JSARS meeting** in Riverwood Park Rec. Building, Rt. 527 and Riverwood Drive at 7:30 pm.

Dec. 9-11 – **ARRL 10-Meter Contest, CW and SSB** from 7 pm Friday to 6:59 pm Sunday. See <http://www.arrl.org/10-meter>

December 10 – **OMARC Meeting** at 9:00 am at the Diana Site on Marconi Road in Wall. Guests welcome.

December 12 - **Monmouth County RACES Net** meets on 147.045 +600, PL=67.0 at 7:30 pm.

December 13– **W1AW Qualifying Run** at 9 am (10-40 wpm). See December 2016 QST page 101 and <http://www.arrl.org/qualifying-run-schedule>

December 14– **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

December 15– **JSARS VE Test Session** at 7:00 pm Riverview Park Recreation Bldg., Rt. 527 and Riverwood Drive in Toms River. Contact Ed Genoino, WA2NDA at 609-971-2792 or wa2nda@comcast.net.

Dec. 16-17 – **RAC Winter Contest, CW and SSB** from 7 pm Friday to 6L59 pm Saturday. See <http://wp.rac.ca>

December 18 – **ARRL Rookie Roundup, CW** from 1 pm to 6:59 pm. See <http://www.arrl.org/rookie-roundup>

December 19 - **Monmouth County ARES Net** meets on 147.045 +600, PL=67.0 at 7:30 pm

December 21 – **GSARA Meeting** at 7:30 pm at the Red Cross in Tinton Falls. Regular business meeting.

December 24 – **GSARA VE Test Session** at 11 am at the Red Cross in Tinton Falls. See page 1.

December 26 – **Monmouth County RACES Net** meets on 147.045 +600, PL=67.0 at 7:30 pm.

Dec. 31-Jan. 1 – **Straight Key Night, CW** from 7 pm Saturday to 6:59 pm Sunday.

2017 DUES PAYMENT

Your dues for 2017 may be paid at any meeting or mail this coupon with payment to our treasurer **John King, KA2F**. Regular membership is \$15, Family membership is \$20. If you wish to have a paper copy of *The Propagator* mailed to you, add \$5 and check this box: Membership card issued on request.

NAME _____ CALL _____

wishes to continue membership in GSARA for 2017. Payment of \$ _____ is enclosed.

Make checks payable to GSARA and mail or give to:

**John King, KA2F,
18 Carmel Way
Eatontown, NJ 07724**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1 N3RB HCARC Lunch	2 Blue Swan lunch CW Qual. Run	3
4 InfoAge	5 ARES/RACES 7:30	6 OBARC GSARA Net 8:30 QCWA News 9 PM	7 GSARA Mtg	8 JSARS Mtg	9 Blue Swan lunch 10-Meter Cntst	OMARC Mtg 10 10-Meter Cntst
11 10-Meter Cntst InfoAge	12 RACES Net 7:30	13 AC2A CW Qual. Run GSARA Net 8:30 QCWA News 9 PM	14 Hol. City VE	15 JSARS VE.	16 KD2MGE Blue Swan lunch RAC Cntst	17 RAC Cntst
18 KC2YNL Rookie Rndup InfoAge	19 KD2GPO ARES/RACES 7:30	20 GSARA Net 8:30 QCWA News 9 PM	21 GSARA Mtg.	22	23 Blue Swan lunch	24 GSARA VE
25 CHRISTMAS	26 RACES Net 7:30	27 GSARA Net 8:30 QCWA News 9 PM	28	29	30 Blue Swan lunch	31 SKN



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FIRST CLASS