



# THE PROPAGATOR

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

NOVEMBER 2011

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## UPCOMING GSARA MEETINGS

The next regular meeting of the GSARA will be held on **Wednesday, November 2 at 7:30 PM** at the **American Red Cross** in Tinton Falls. This will be a regular business meeting and will include the election of officers for 2012. Guests are welcome and refreshments will be served. Please try to attend.

The second meeting in November will be held on **Wednesday, November 16 at 7:30 PM** at the Red Cross. This meeting will feature a DVD video for the DXpedition to South Orkney Island, VP8ORK. As always, guests are welcome and refreshments will be served.

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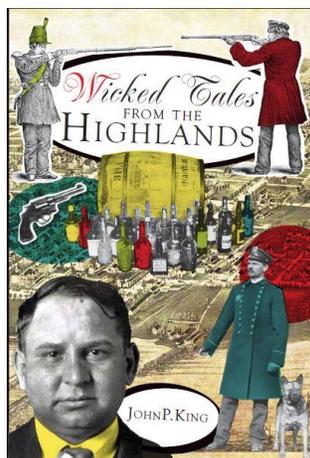
## W2GSA STATION OPEN SATURDAYS

The GSARA radio room at the Red Cross will be open Saturday afternoons for those wishing to operate or just "hang out". Go around the building to the back door for entrance. If you want to check to be sure that someone is there, call 732-493-9100 ext. 1252 which is the phone in the radio room.

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## NEW BOOK BY JOHN KING, KA2F

GSARA member and past president John King, KA2F has written a new book titled, *Wicked Tales from the Highlands*. This book should be available in early November locally as well as from Amazon and Barnes and Noble. If it's like his past books, it should be a very interesting read.



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## WELCOME NEW MEMBER

Please welcome the newest member of GSARA. He is Al Gurvitz, K2DST from Manahawkin. Al was issued the call KD2AOJ but immediately swapped it out for his vanity call. Al is a mechanical engineer who holds a Technician license and is on 2 meters and 440 with his Wouxan dual-band HT. Besides amateur radio, Al is interested in photography and motorcycles. Welcome to GSARA, Al!

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## GSARA CHRISTMAS PARTY DEC. 7

The December 7 (Wednesday) GSARA meeting will be our covered dish Christmas party (BYOB). We'll be meeting at the Red Cross in the big room at 7:30 pm. Family and guests are welcome and the price of admission is simply a covered dish that can be shared with others.

For those who can't cook or prefer not to bring a dish, we'll ask for \$10 per person (or \$20 per family), with which we'll use to purchase food and drink. The club will be providing coffee, soda, and water plus paper plates, napkins and such. We ask those planning to attend to let us know at the November 2 meeting, how many in their party and whether they will bring a dish or contribute financially. Those planning to attend but unable to notify the club of their intentions at the meeting, should send an email to [w2gsa@gardenstateara.org](mailto:w2gsa@gardenstateara.org) with the appropriate information.

We are looking forward to a good turn-out and lots of socializing.

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## GSARA HOMEPAGE

<http://www.gardenstateara.org>

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## HUDSON DIVISION HOME PAGE

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

## GSARA OFFICERS

President	W2XYZ	Frank Wroblewski	942-7705
Vice Pres.	W2HTS	Howard Suffill	460-1885
Secretary	W2OD	Bob Buus	946-8615
Treasurer	W2KQ	Joe Dreifuss	493-4236
Engineer	N2LXM	Jeff Harshman	922-0816
Webmaster	KC2TKK	Josh Gluck	
Publicity	NJ2H	Bill Shockley	207-4466
Trustees	KG2NV	Don Pingitore	229-2925
	W2OD	Bob Buus	946-8615
	W2HAM	Lou Russo	842-6431

## PROPAGATOR AVAILABLE BY E-MAIL

Would you like to help the finances of GSARA and at the same time get your issue of *The Propagator* a few days earlier? You can get every issue e-mailed to your computer every month by simply giving your e-mail address to Josh Gluck, KC2TKK and request *The Propagator* electronically. Josh's e-mail address is <kc2tkk@gardenatateara.org>.

## BADGES AND PATCHES

If you would like a GSARA name badge, you may order one by getting a Badge Order Form from our Secretary, **Bob Buus, W2OD**, filling it out and turning it in to Bob with your \$7.00 payment.

We also now have 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). We then send them as a group 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.

## EDITOR'S NOTES

I limited this edition of *The Propagator* to only 8 pages so that we could include the new two-page roster with the mailing (for those getting the *Propagator* by mail) without incurring additional postage. Paper copies of the roster will also be available at all meetings of the GSARA. The roster has grown nicely over the past year and we now show 60 members (up from 50 last year). While every effort was made to assure the accuracy of the information on the roster, if there are any errors, please bring them to my attention.

The cryptogram puzzle last month had only three people submitting solutions so I guess cryptograms aren't very popular with the membership. The solution is on page 6. Also on the same page is another puzzle. This time, I am calling on your knowledge of DX prefixes. Avid DXers will probably find it very easy but I suspect others might have to look up a few of the calls to determine the country. For those a bit rusty on their geography, the six continents required for the WAC award are North America, South America, Europe, Africa, Asia, and Oceania.

The Christmas party on Wednesday, December 7 should be a lot of fun. What could be better than good company, delicious food, and a wee drink or two? Please plan to attend and bring the family!

I'm sorry to see the passing of Phil, W2LNB who attended some of our meetings when he could get a ride with Don, KG2NV. He could be heard on the Asbury Park repeater from time to time but he spent most of his time working DX on the CW bands. He will be missed by many.

If you are interested in obtaining a [gardenstateara.org](mailto:gardenstateara.org) email address which will give you webmail and POP3/SMTP access, please send an email to Josh at [kc2tkk@gardenstateara.org](mailto:kc2tkk@gardenstateara.org) with your First Name, Last Name, and Call Sign. Your email address [call\\_sign@gardenstateara.org](mailto:call_sign@gardenstateara.org) will be created and the login information sent back to the email address your request came from.

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

73 de Bob, w2od@arrrl.net

## MINUTES OF OCTOBER 5 MEETING

By Bob Buus, W2OD, Secretary

President Frank Wroblewski, W2XYZ called the meeting to order at the Red Cross at 7:31 PM. There were 17 members present. After the pledge to the flag, all members introduced themselves.

### Secretary's Report

A motion was made by Jeff, N2LXM and seconded by Laura, N2HGI to accept the minutes of the September meeting as published in the October Propagator. The motion was accepted unanimously.

A letter was received from Paul Roman, EMS Coordinator for Monmouth County, thanking us for our help with the Sheehan Run and enclosing a check for \$150.

### Treasurer's Report

Treasurer Joe, W2KQ presented the treasurer's report. A motion was made by Tom, N2VFK and seconded by Jeff, N2LXM to accept the report. It was accepted unanimously.

### QCWA Awards

Service anniversary awards, which were not available for the September 10 QCWA meeting were presented at this meeting. A 60-year since first licensed award was presented to Matt Bregoff, W2AOJ. A 50-year since first licensed award was presented to Bill Shockley, NJ2H.

### Old Business

President Frank, W2XYZ named Lou, W2HAM to head a nominating committee to find members to serve as club officers for the coming year. Lou accepted the appointment and will report back at the next meeting with a slate of officers.

Joe, W2KQ reported that most of the documentation for the Asbury Park repeater is now in the hands of GSARA and we are awaiting an official letter transferring ownership to us. Such document is expected within the next month. WB2ABT donated a spectrum analyzer and high-power dummy load to GSARA to aid in maintenance of the repeater.

Frank, W2XYZ reported that the tower painting is complete and it has been cranked up vertical on a temporary basis. Cranking is very labor-intensive. Jeff suggested putting a motor on the winch and he

has one that might be suitable. We hope to have the Mosley Classic beam on the tower in time to work the CQ WW phone contest in late October and ARRL Sweepstakes in November.

### New Member

An application for membership was received from Al Gurvitz, WD2AOJ from Manahawkin. Al is a mechanical engineer who was just licensed with his Tech. He is on 2 meters and 440 with a Wouxan dual-band hand-held. He is also interested in photography and motorcycles. A motion was made to accept Al as an active member of GSARA and the motion passed unanimously.

### New Business

The Jersey Coast chapter of the North American DX Association has been disbanded. Since most member of that organization are also GSARA members, it was suggested by Frank, W2XYZ that those members interested in DX meet at the Red Cross on the last Monday of each month at 7:30 pm.

Frank, W2XYZ asked if there would be interest in having a GSARA holiday party at the December 7 GSARA meeting. This would be a covered dish affair. It is likely that the Neptune club will have a party in December at the American Legion and GSARA might be invited.

The deadline to express interest in the Walter Prang, KZ5WP equipment listed in the last Propagator is October 15.

### Public Service

Tom, N2VFK is still looking for one more operator to help with the Juvenile Diabetes walk on Sunday, October 9 in Avon.

He also needs more volunteers for the CROP walk in Red Bank on Sunday, October 16 in the afternoon. If you can help, contact Tom.

Monmouth County participation in the ARRL SET will be on Saturday, October 22. Someone will be needed at the Red Cross to participate in the drill.

Rich, N2SMV has indicated that some county people are interested in a one-day Technician Class. Jeff, N2LXM thought it might be appropriate to have the class in November before Thanksgiving and will look into it.

### Announcements

Steve Jobs of Apple Computers just died of cancer.

Infoage is having a Haunted Base event for 7 days in October.

John, KA2F asked if anyone knew someone who could help him with some roof work for an antenna he is installing. No one had any good suggestions.

### Closing

The 50-50 drawing for \$14.50 was won by Laura, N2HGI. A second drawing for a mug was won by Jeff, N2LXM. There being no further business, a motion was made by Tom, N2VFK and seconded by Jeff, N2LXM to close the meeting. The motion was accepted unanimously and the meeting adjourned at 8:25 PM.

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## MINUTES OF OCTOBER 19 MEETING

**By Bob Buus, W2OD, Secretary**

President Frank Wroblewski, W2XYZ called the meeting to order at the Red Cross at 7:35 PM. There were 17 members and 5 guests present. Guests were Joe Basket, KC2LLF from Highlands, Ron Rugg, N2FFL from Shrewsbury, Hunter Suffill (son of Howard, W2HTS) from Eatontown and our guest speaker Dave Burgess, WA2TVS with his wife Margaret, KB2BRR from Barnegat. After the pledge to the flag, all members introduced themselves.

### Health and Welfare

Phil O'Donnell, W2LNB just got out of the hospital with a brain aneurysm.

### Announcements

Frank, W2XYZ announced that GSARA has permission from the Red Cross to hold a Christmas party at the Red Cross on December 7. It will be a covered dish affair.

A table of "goodies" consisting of miscellaneous items from KZ5WP was set up and members were asked to help themselves to anything interesting to them.

### Program

Dave Burgess, WA2TVS assisted by his wife Margaret, KB2BRR gave a fascinating talk about the Enigma machine used by the Germans in World

War II to encrypt their messages. Through the efforts of Polish, British and American code breakers, the code was broken. Dave showed how the Enigma machine worked and gave several interesting stories about its use during the War. We appreciate Dave and Margaret coming all the way up from Barnegat to make this informative presentation to us.

### Closing

The 50-50 drawing for \$15.00 was won by Ed, WB2KCV. There being no further business, the meeting was adjourned at 8:49 PM.

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## PHIL O'DONNELL, W2LNB - SK

Philip Michael O'Donnell, W2LNB passed away at the age of 93 Thursday, Oct. 20, 2011, at home, surrounded by his nine surviving children. Born June 16, 1918 in Bayonne, he was a graduate of Bayonne High School. He worked for 44 years for the Bendix Corporation interrupted by military service in two wars. Phil served with distinction in the Pacific Theater during [WWII](#) on the USS Piedmont participating in the occupation of Japan receiving a commendation from Admiral William Halsey for his work at the Yokosuka Naval Base. After the war, Phil's talent with electronic equipment led him to be invited to the residence of Dorothy Joan O'Leary to fix a radio. He married Dorothy on April 22, 1950 and they went on to have 10 children, one of whom died in infancy. Phil was recalled to service with the [U.S. Navy](#) in 1951 during the [Korean Conflict](#). Phil earned an amateur radio operator's license in 1938 (W2LNB) and was a lifelong "ham" radio operator. Phil also contributed countless hours of volunteer work at St. Jerome's Parish as the boiler operator and handyman. After Phil's retirement in 1983, he took up walking miles at a time and annoying his son-in-law by working for him. He experienced a bad patch in his life with his beloved wife's illness with Alzheimer's.

Phil, his wise counsel and great stories will be missed by his children, his grandchildren, his nieces and nephews; and by his special friends, Urb and Don.

Visitation was Sunday, Oct. 23 at the Woolley Funeral Home in Long Branch. A funeral mass was celebrated on Oct. 24 at St. Jerome's R.C. Church in West Long Branch. You may light a candle of condolence by visiting [www.woolleyfh.com](http://www.woolleyfh.com).

## POSTAGE RATES TO INCREASE

The US Postal Service has announced that as of January 22, 2012, the cost to mail first class letters, postcards and packages within the US will go up. The cost to mail a first class letter will be 45 cents, an increase of 1 cent. According to the USPS, this is the first increase since May 2009. The cost of mailing a postcard will be 32 cents, an increase of 3 cents. This is the second increase for postcard postage in less than a year; in April 2011, the USPS boosted the postcard stamp price from 28 cents to 29 cents. You will also pay more to send letters to Canada, Mexico and other international destinations. Click here for more information on all the postal increases.

From *The ARRL Letter*, October 20, 2011

## FIFTEEN YEARS AGO

From the November 1996 Propagator: The Hamfest at Brookdale College suffered bad weather and poor attendance but we broke even anyway. The ARRL Forum was led by Steve Mendelsohn, WA2DHF (now W2ML) and discussed the role of CW in the future. The front page featured the obituary for Gerry Silverman, WB2GYS. The 10-meter phone net on 28.410 is going well every Thursday evening at 8:30 pm. Tom, N2VFK reported that we participated in 17 Public Service events in 1996.

## FAIR LAWN AUCTION NOVEMBER 25

Friday after Thanksgiving

Doors open at 5:30pm for sellers. 6:00pm for Buyers

Proceedings start at 7:00pm promptly.

What to bring: Anything Amateur Radio related.  
Cash to buy a few items.

KJI Electronics  
(394 Bloomfield Ave, Caldwell, NJ 07006)  
will be there.

Refreshments will be available.

For more information telephone 201-791-3841  
or E-Mail [w2npt@arrl.net](mailto:w2npt@arrl.net).

Location: **Fair Lawn Senior Center**  
11-05 Gardiner Road  
Fair Lawn, N.J. 07410

## US AMATEURS NOW 700,000 STRONG

As the third quarter of 2011 came to a close, ARRL VEC Manager Maria Somma, AB1FM, began calculating the number of licensed Amateur Radio operators in the US, as well as the number of new licensees. "At the end of September, I saw that the number of hams in the US was high," she said. "When I started comparing that number with other years, I found that it was an all-time high." For the first time, there are more than 700,000 radio amateurs in the US.

"When looking at the three current license classes -- Technician, General and Amateur Extra -- these numbers are impressive," Somma explained. "The number of Technicians peaked in March 2011 at 342,572, while in September 2011, we saw both Generals and Extras peak at 159,861 and 125,661, respectively. As new Technicians earn their Amateur Radio licenses, and current Technician licensees move on to General and Generals upgrade to Extra, this can cause up-and-down fluctuations for these totals." Read more here.

FCC LICENSEES BY LICENSE CLASS							
Year	Ending Month	Extra	Advanced	General	Tech*	Novice	Total
2011	Sep	125,661	58,224	159,861	341,858	14,817	700,221
2010	Dec	122,951	59,387	155,781	342,191	15,731	696,041
2009	Dec	119,403	60,798	150,970	334,245	17,084	682,497
2008	Dec	115,625	62,104	144,832	322,660	18,343	663,564
2007	Dec	112,022	65,368	142,680	315,314	20,488	655,842
2006	Dec	108,223	69,815	131,224	323,073	23,633	656,068
2005	Dec	107,440	74,221	135,067	319,125	26,747	662,600
2004	Dec	106,090	77,848	138,282	319,742	29,785	671,837
2003	Dec	104,894	82,034	141,498	322,821	32,812	684,059
2002	Dec	103,257	84,326	139,848	321,806	36,072	685,308
2001	Dec	97,977	86,545	138,625	319,735	40,155	683,037
2000	Dec	93,807	88,783	134,144	319,874	45,832	682,240
1999	Dec	75,392	103,471	110,386	335,768	52,375	677,392

There are now more than 700,000 radio amateurs in the US, the highest number ever. This chart reflects Amateur Radio's growth since 1999. Note that as the number of total licensees grows, so do the number of Technician, General and Amateur Extra class licensees. Please note: While the number of licensees has grown considerably over the years, we realize that these numbers include some who are no longer active in Amateur Radio. A recent survey of ARRL members, however, indicates that more than 80 percent of those responding are active. \*The number of new Technicians peaked in March 2011 at 342,572. Click [here](#) for larger image.

From *The ARRL Letter*, October 13, 2011

### PUZZLE #13 – DX QSL CARDS

In looking over my DX QSL cards, I ran across the following 10 different DXCC countries. Can you tell me what country is represented by each card? Would these cards qualify me for WAC (Worked All Continents)?

HB9MBX  
JG1ILF  
OZ9CR  
PZ1DR  
RW4NN  
TG9HW  
VK3ACR  
VO2GB  
YV1ACX  
ZS5JL

Send your answers to w2od@aol.com. Thanks.

### CRYPTOGRAM PUZZLE SOLUTION

The piem cryptogram to remember pi to the first 15 places is “How I want a drink, alcoholic of course, after the heavy lectures involving quantum mechanics.” Note that the number of letters per word correspond to pi (3.14159265358979...).

Filling in the given word “alcoholic” and matching the corresponding letters in the other words gives:

HO I A A I  
DLQ K QOTZ O WFKTI  
ALCOHOLIC O CO  
OAELDLAKE LH ELPFYU  
A H A  
OHZUF ZDU DUOMC  
L C OL I  
AUEZPFUY KTMLAMKTS  
A CHA I  
JPOTZPB BUEDOTKEY

The first word has two out of the three letters. Out of the five words possible (Hoe, Hog, Hop, Hot, and How) only “How” makes sense before the word “I”. Assuming the “Q” represents “W”, the first line becomes:

HOW I WA A I  
DLQ K QOTZ O WFKTI

Now it looks like the third word might be “want” so replacing “T” with “N” and “Z” with “T” gives:

HOW I WANT A IN  
DLQ K QOTZ O WFKTI

ALCOHOLIC O CO  
OAELDLAKE LH ELPFYU

A T TH A  
OHZUF ZDU DUOMC

L CT N OL IN  
AUEZPFUY KTMLAMKTS

AN CHA I  
JPOTZPB BUEDOTKEY

The 3-letter word in the third line must be either “the” or “thy” and “the” is most likely. Also, it looks like the fifth word might be “drink”. Substituting those letters reveals:

HOW I WANT A DRINK  
DLQ K QOTZ O WFKTI  
ALCOHOLIC O CO R E  
OAELDLAKE LH ELPFYU

A TER THE EA  
OHZUF ZDU DUOMC

LECT RE N OL IN  
AUEZPFUY KTMLAMKTS

AN ECHA I  
JPOTZPB BUEDOTKEY

Now you can probably guess that the 3 words after “alcoholic” are “of course after” and the first word of the fourth line is probably “lectures”, etc.

The three people who submitted correct answers were Vince, KE2V; Bruce, K2QXW; and Frank, W2XYZ. Congratulations to all three!

## NOTES ON CALENDAR (see last page)

Large Call letters denote birthdays e.g. N2CUG on November 7. All times before Nov 6 are EDST and all times after are EST. Contests are listed in the November QST, p. 89.

November 1 – **Middletown Pancake House Luncheon** at noon at left rear table. All are welcome.

November 1 – **Old Barney VE Session** at 6:30 pm in Manahawkin. Contact Kevin Wagner, W2FA at 732-279-0532 or w2fa.kgw@gmail.com

November 1 – **Monmouth Amateur Radio Club meeting** at 7 pm in Union Beach Police Annex (Municipal Building) on Poole Avenue.

November 1 – **Old Barney ARC Meeting** at 7:30 pm at Ocean Acres Community Center in Manahawkin, NJ. See <http://www.obarc.org>

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

November 2 - **W1AW Qualifying Run** at 9 am (10-35 wpm). See November QST, p. 97 or [www.arrl.org/w1aw](http://www.arrl.org/w1aw)

November 2 – **GSARA Meeting** at 7:30 PM at the Red Cross, West Park Ave. & Shafto Road, Tinton Falls. Election of officers for 2012.

November 3 - **Holiday City ARC meeting** at 7 pm at Holiday City South Clubhouse in Toms River.

Nov. 5-6 – **ARRL Sweepstakes**, CW from 5 pm Saturday to 10 pm Sunday. See <http://www.arrl.org/contests>

November 6 and every Sunday – **InfoAge Marconi Hotel** open from 1 to 5 pm on Marconi Road in Wall.

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

November 8 – **VE Test Session** at Croyden Hall, Leonardo section of Middletown at 7:00 pm. For more information, contact Mario Sellitti, N2PVP at 732-787-7184 or n2pvp@n2pvp.com

November 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

November 10 – **JSARS meeting** in Riverwood Park Recreation Building, Rt. 527 and Riverwood Drive in Toms River at 7:30 pm.

November 12 – **OMARC Meeting**, 9:00 am at the Diana Site on Marconi Road, Wall, NJ. Guests are welcome.

Nov. 12-13 – **Japan International DX Contest**, Phone from 2 am Saturday to 8 am Sunday. See <http://www.jidx.org>

Nov. 12-13 – **CQ WE Contest**, all modes from 2 pm Saturday to midnight Sunday. See <http://www.cqwe.cboh.org>

November 14 - **Monmouth County RACES Net** meets on 147.045 +600, PL=67.0 at 7:30 pm.

November 16 – **GSARA Meeting** at 7:30 pm at the Red Cross in Tinton Falls. Video of the DXpedition to South Orkney Island, VP8ORK.

November 17 – **W1AW Qualifying Run** at 7 pm (35-10 wpm). See November QST, p. 97 or [www.arrl.org/w1aw](http://www.arrl.org/w1aw)

November 17 – **JSARS VE Test Session** at 7:30 pm Riverview Park Recreation Bldg., Rt. 527 and Riverwood Drive in Toms River. Contact Ed Genoino, WA2NDA at 609-971-2792 or [wa2nda@comcast.net](mailto:wa2nda@comcast.net).

Nov. 19-20 – **ARRL Sweepstakes**, Phone from 4 pm Saturday to 10 pm Sunday. See <http://www.arrl.org/contests>

November 21 - **Monmouth County ARES Net** meets on 147.045 +600, PL=67.0 at 7:30 pm.

Nov. 25-27 – **CQ WW CW Contest** from 7 pm Friday to 7 pm Sunday. See [cq-amateur-radio.com](http://cq-amateur-radio.com)

November 26 – **Neptune Amateur Radio Club Meeting** at 9 am at the American Legion on Gully Road.

November 28 - **Monmouth County RACES Net** meets on 147.045 +600, PL=67.0 at 7:30 pm.

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		<b>1</b> Pancake House MARC Mtg 7 PM Old Barney ARC QCWA News 9 PM	<b>2</b> CW Qual. Run GSARA Mtg	<b>3</b> Hol. City Mtg.	<b>4</b>	<b>5</b> SS CW
<b>6</b> SS CW InfoAge	<b>7</b> <b>N2CUG</b> ARES/RACES 7:30	<b>8</b> <b>KG2NV</b> Croyden VE 7 PM QCWA News 9 PM	<b>9</b> Hol. City VE	<b>10</b> JSARS Mtg.	<b>11</b>	<b>12</b> OMARC Mtg <b>W2NXG</b> Japan Phone CQ WE
<b>13</b> Japan Phone CQ WE InfoAge	<b>14</b> RACES Net 7:30	<b>15</b> QCWA News 9 PM	<b>16</b> <b>KB2USF</b> GSARA Mtg.	<b>17</b> CW Qual. Run JSARS VE	<b>18</b>	<b>19</b> SS Phone
<b>20</b> SS Phone InfoAge	<b>21</b> <b>WA2DND</b> ARES/RACES 7:30	<b>22</b> <b>W2DAD</b> QCWA News 9 PM	<b>23</b>	<b>24</b>	<b>25</b> <b>KC2VIN</b> CQ WW CW	<b>26</b> Neptune Mtg <b>W2KQ</b> CQ WW CW
<b>27</b> CQ WW CW InfoAge	<b>28</b> RACES Net 7:30	<b>29</b>	<b>30</b>			



G.S.A.R.A.  
8 DONNER STREET  
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FIRST CLASS