



THE PROPAGATOR

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

JANUARY 2011

UPCOMING GSARA MEETINGS

The next regular meeting of the GSARA will be held on **Wednesday, January 5 at 7:30 PM** at the **American Red Cross** in Tinton Falls. This will be a regular business meeting followed by a brief demo by Frank, W2XYZ about operating HF radio via the Internet. Guests are welcome and refreshments will be served. Please try to attend.

The second meeting in January, also at the Red Cross, will be on **Wednesday, January 19 at 7:30 PM** and will feature Frank, W2XYZ showing how easily amateurs can operate HF from their home, even if they can't put up an antenna, even if they don't own a HF radio; as long as they have Internet access. Specifically, the program will be on "Remote Base Operation". As always, refreshments will be served. We look forward to seeing you there.

W2GSA STATION OPEN SATURDAYS

The GSARA radio room at the Red Cross will be open Saturday afternoons starting January 8 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.

W2GSA SWEEPSTAKES RESULTS

GSARA members K2EI, KC2YNL, N2LXM, W2HTS, and W2XYZ operated W2GSA on SSB in the 2010 ARRL November Sweepstakes. Our category was Single Operator, Low Power, non assisted. We logged 79 QSOs and worked 38 Sections for a score of 6162. This was a nice start for our first time and we hope to do even better next year.

GSARA HOMEPAGE

<http://www.gardenstateara.org>

AREK TARNIOWY NOW EXTRA CLASS

New GSARA member Arek Tarniowy, formerly KC2TXZ, has upgraded to Extra Class and has been assigned the new call AC2FC. Congratulations Arek!

NEPTUNE CHRISTMAS PARTY

The Neptune Amateur Radio Club was again a big success and all attending had a good time. The winner of the grand prize of a dual band HT was none other than our own Bruce McLeod, K2QXW. Congratulations!

THANK YOU FROM WB2KNS

I want to thank you all for attending my wife's viewing. I appreciate the respect and personal effort that you all took on to show your concern for myself and the families. Additionally, thank you to the Club membership for the beautiful flower arrangement that you sent. It's nice to know that Club members can be good friends as well.

Lastly, I appreciate the consideration and offering of help, but rest assured that I am keeping up with whatever has to be done. My biggest challenge will be my emotional state. It will take time, as Frank knows, for me to get to a comfortable healing level.

Bob De Cesare, WB2KNS

PROJECT DIANA DAY JANUARY 8

OMARC is commemorating Project Diana Day on Saturday, January 8 at the Diana site in Wall off Marconi Road. After their monthly meeting at 9 am, they will be on the air until late afternoon. Guests are invited to drop in and operate if desired.

HUDSON DIVISION HOME PAGE

<http://www.hudson.arrl.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
Engineerr	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

The Holiday season is just about over and it is time to start out with a new year. I hope that you have a happy, healthy and prosperous 2011. I suggest you try a new amateur radio activity this year. There are so many to choose from and they all seem to be a lot of fun once you get into them.

The snowstorm hit just as I was putting this issue of *The Propagator* to bed so I have been getting my exercise these last few days by shoveling snow. Recovery is slow but hopefully you all will be shoveled out by the time you get this issue.

Don't forget straight key night starting at 7 pm New Year's eve and running for 24 hours. There is lots of nice, slow CW banged out on a straight key. Although I'm a bit rusty on my code (especially sending), I find it a lot of fun to get on for a few hours on SKN and pound a little brass at a leisurely pace. It's a nice feeling to know that if all else fails, I can still make a simple contact on CW. For those looking for a little more challenge, you can also try QRP at the same time. You would be surprised at how well you can get out. Try it, you'll like it!

For those of you turned off by the difficulty of last month's puzzle with the power supplies, I have given you a different (and I hope easier) puzzle on page 7. You just have to know Ohm's law (and it's very simple with all one-ohm resistors) and Kirchoff's law which is probably obvious to most of you even if you don't know the law by name. Please send your solution to me so that I can gauge how much interest there is in these sorts of things.

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

Remember if you change your e-mail address; please be sure to inform Josh Gluck, KC2TKK.

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

73 de Bob, w2od@arrl.net

MINUTES OF DECEMBER 1 MEETING

By Bob Buus, W2OD, Secretary

President Frank Wroblewski, W2XYZ called the meeting to order at the Red Cross at 7:30 PM. There were 12 members and one guest present. The guest was Ted Copp, KC2ZLZ, the son of N2KPS. After the pledge to the flag, all members introduced themselves.

Silent Key

A moment of silence was observed for Mary DeCesare, the wife of WB2KNS, who died on November 23. GSARA sent flowers with our condolences.

Secretary's Report

A motion was made by Lou, W2HAM and seconded by Ralph, KC2YNL to accept the minutes of the November meetings as published in the December Propagator. The motion was accepted unanimously.

Treasurer's Report

Treasurer Joe, W2KQ presented the treasurer's report. A motion was made by Ralph, KC2YNL and seconded by Lou, W2HAM to accept the report. It was accepted unanimously.

Old Business

Frank, W2XYZ asked for a motion to open nominations from the floor for officers of GSARA for 2011. A motion was made to open nominations from the floor by Jeff, N2LXM and seconded by Ralph, KC2YNL. There were no nominations made so a motion was made by Ralph, KC2YNL and seconded by Laura, N2HGI to close the nominations. Since each office has but one candidate, a motion was made and seconded to have the secretary cast a vote for the entire slate as presented. Officers duly elected for 2011 are Frank Wroblewski, W2XYZ, President; Howard Suffill, W2HTS, Vice President; Bob Buus, W2OD, Secretary; Joe Dreifuss, W2KQ, Treasurer; and Jeff Harshman, N2LXM, Chief Engineer.

GSARA operated during the sweepstakes phone weekend and made 79 contacts, worked 38 sections, and had a total score of 6162 points. Most of the GSARA activity was on 15 and 75 meters. Operation on 20 and 40 meters did not work out very well.

GSARA shirts have been ordered and will be available at the December 15 meeting.

The power supply puzzle published in the December Propagator created some discussion. Matt, W2AOJ is the only one who submitted the proper solution so the puzzle was apparently too difficult for the majority of our members. Bob, W2OD agreed to show the solution to this puzzle at the next meeting.

We are planning to have another white elephant sale in March, 2011. We are asked to set aside potential donations for this sale.

Public Service

The last remaining Public Service event for the year is a run in December at Poricy Park in Middletown. See Tom, N2VFK if you can help.

New Business

President Frank, W2XYZ suggested that we keep the radio room at the Red Cross open every Saturday afternoon for any member who would like to drop in and operate. This might be particularly helpful to those who do not have a home station or hf antennas.

Announcements

GSARA dues for 2011 can be paid now to Joe, W2KQ. They are only \$15 per year to get the Propagator electronically or \$20 per year if you wish to have the Propagator mailed to you each month by first class mail.

The Neptune Amateur Radio Club will be holding their annual Christmas party on Sunday, December 12 and all GSARA members are invited to attend. It will be at the American Legion in Neptune and admission is either a covered dish or \$10 per person. A duel-band hand-held radio will be raffled. If you plan to attend, notify Pam at 732-922-3169.

In the event of inclement weather on a meeting night, please check the GSARA web page to see if the meeting has been cancelled.

The program for the next meeting on December 15 will be a summary of 2010 activity and a discussion of what GSARA should be doing for 2011.

Rich, N2SMV is making arrangements for a Skywarn class to be given at the Red Cross.

GSARA is looking for donations of computers to be used in our radio room.

The GSARA web site has been made more interesting by adding some technical topics. Check it out.

Closing

The door prize of \$10 was won by Howard, W2HTS. A second door prize of a GSARA cap was won by Ted, N2KPS. There being no further business, a motion was made by Jeff, N2LXM and seconded by Lou, W2HAM to close the meeting. The motion was accepted unanimously and the meeting adjourned at 8:34 PM.

MINUTES OF NOVEMBER 17 MEETING

By Bob Buus, W2OD, Secretary

President Frank Wroblewski, W2XYZ called the meeting to order at the Red Cross at 7:30 PM. There were 12 members present. After the pledge to the flag, all members introduced themselves.

Old Business

The Neptune Amateur Radio Club Christmas Party was very successful. GSARA member Bruce, K2QXW won the duel-band transceiver. Congratulations!

The GSARA shirts came in and were distributed to those present who had ordered them.

Bob, W2OD presented the solution to the power supply puzzle published in the December Propagator.

Program

Treasurer Joe, W2KQ reported that our treasury went from \$3464.49 at the beginning of the year to \$4063.19 (allowing for the recovery of shirt expenses) at the end of the year. This represents a substantial increase of 17%.

Secretary Bob, W2OD reported that we started the year with 43 members and ended the year with 51 members, a 19% increase.

President Frank, W2XYZ summarized the year's activities by reviewing month by month. We had a very active and busy year. Frank then led a session on exploring activities that GSARA might seriously consider in 2011. The total list produced the following events:

- Field Day
- White Elephant Sale
- Ham Fest

- Fox Hunt and Picnic
- Have a Building Project

The following potential activities were identified:

- Install Tower at Red Cross
- Install Vertical Antenna at Red Cross
- Install a Long Wire Antenna at the Red Cross
- Enter a Contest as a Club

The following visits or trips were identified:

- Visit ARRL Headquarters
- Visit the Battleship New Jersey
- Visit an FM Station

The following programs were suggested:

- Have an ARRL Representative at a Meeting
- Have Steve Mendelsohn give a Talk
- Have a Program on Sunspots and Propagation
- Have a Program on Message Handling
- Have a Program on the History of Radar in WWII
- Have a Program on First Aid and use of AED
- Have a Program on Undersea Cables
- Have a Program on Antique Radio
- Have a Program on DX-peditions
- Have a Program on Switching Power Supplies
- Have a Program on the Principles of Antennas
- Review FCC Part 97
- Have a Program on Emission Requirements and Limits
- Have a Program about Lofers
- Have a Program about Beacon Stations
- Have a Program about operating a remote station via the Internet

The following training was identified:

- Conduct Communication Training with the Red Cross
- Run a Technician License Class
- Have a Class on Contesting

Show and Tell

Arek, AC2FC showed a vector network analyzer kit that he built for under \$100. It covers from 1 to 60 MHz and is very compact.

Announcements

Arek, formerly KC2TXZ has upgraded to Extra and has been issued the new call of AC2FC. Congratulations!

The Frankford Radio Club is offering a complete radio station to a licensed amateur radio operator who wishes to get started in the contesting

experience but is unable to put together a station. Applications must include name, call sign, contact information and one page or less on why the applicant feels he or she is deserving of a station with which to start contesting. Applications go to Mark Kempisty via e-mail at aa3k@arrl.net.

Closing

The door prize of \$11 was won by Bob, AC2Z. There being no further business, a motion was made by Jeff, N2LXM and seconded by Ralph, KC2YNL to close the meeting. By unanimous vote, the meeting adjourned at 9:00 PM.

ROBERT CUMMINS, K2KER - SK

Robert Cummins, 87, of Middletown passed away at Riverview Medical Center in Red Bank on Saturday, Dec. 11, 2010. He was born in King City, Missouri and was residing in Middletown for the past 32 years. He was previously employed as a District Sales Manager for ABB Inc in North Brunswick for twelve years. He was a Veteran of the Merchant Marines as a Radio Operator. Robert attended King City School of Radio. He was a HAM Radio Operator; call sign K2KER.

Surviving is his wife of 32 years, Stella Cummins; a brother; two sisters; three sons; two daughters and nine grandchildren.

Please visit Robert's memorial website available at www.johndayfuneralhome.com and www.sidun.com.

TWENTY YEARS AGO

There was no Propagator for January 1986 (25 years ago) but the January 1991 Propagator reported the following: The biggest news was that the FCC will introduce a codeless Tech license starting in February. Al Allen, K2LG (SK) had an article about tuning a vacuum tube linear amplifier. Harry Landau, W2IX (SK) had an article about SWR and feeding antennas. GSARA received \$1000 as their share of the profits from the Fall Hamfest at Allaire airport. Bob, W2OD was secretary (some things never change) and he gave a talk at the January 16 meeting on Keyboard Keyers for Morse code. GSARA ran CW nets on 28.175 at 7 PM on the second and fourth Wednesdays, a SSB net at 8 pm on 28.450 on the second Wednesday and an FM net on 147.585 at 8 pm on the fourth Wednesday. There was lots of on-the-air activity!

GSARA REVIEW OF 2010

By **Frank Wroblewski, W2XYZ**

JANUARY - Last meeting held at MARS Station

History of Fort Monmouth by Chrissie Reilly a Post Historian

Farewell to Fort Monmouth Special Event with over 1000 QSO's over three days

FEBRUARY - W2GSA Packet Station operational

W2OD presented "Marconi's First Transatlantic Test December 1901"

MARCH - Began transfer of club property from the MARS Station on Fort Monmouth to the Red Cross Show and Tell Night

APRIL - First (Annual???) White Elephant Sale

Began assembling a First Class club station at the Red Cross facility

MAY - Club Project: Built 2m Yagi with a tape measure and PVC tubing

JUNE - Field Day planning and preparation. Introduction to N3FJP software

Participated in Field Day at Fort Monmouth

JULY - Completed the move of GSARA from Fort Monmouth to the Red Cross building and returned MARS Station building to the Army

Results and analysis of Field Day

AUGUST - N2VFK presentation on Storm Chasing

Brought W2EXQ trailer/tower to the Red Cross

SEPTEMBER - Held Hamfest on September 12

Presentation on "The History of International Morse Code" by W2OD

OCTOBER - Club participated Red Cross Simulated Emergency Test

Watched half of video on GSARA FD 1992

Watched movie of DXpedition to Scarborough Reef

NOVEMBER - Watched second half of video on GSARA Field Day 1992

Introduction to SKYWARN by George Sabbi, KC2GLG

Participated in ARRL Phone Sweepstakes Contest

DECEMBER - Attended Christmas Party by Neptune Amateur Radio Club

Summarized Club's activities

SOLUTION TO LAST MONTHS QUIZ

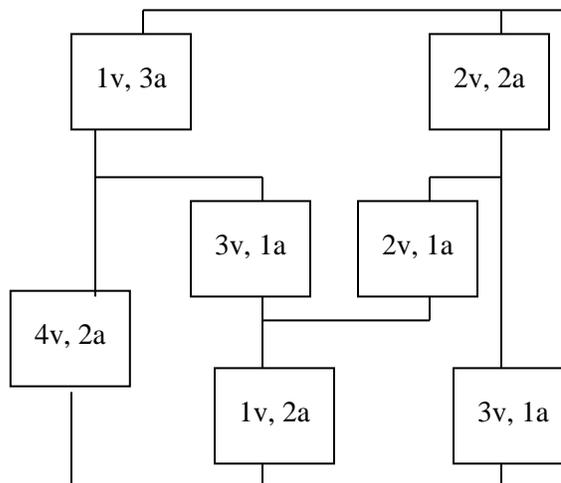
You were asked to connect the following power supplies to give 5 volts at 5 amps:

- 1 volt at 2 amps
- 1 volt at 3 amps
- 2 volts at 1 amp
- 2 volts at 2 amps
- 3 volts at 1 amp
- Another 3 volts at 1 amp
- 4 volts at 2 amps.

Congratulations to **Matt Bregoff, W2AOJ** who was the **ONLY** one to send in the correct solution. I guess the puzzle was too difficult.

Note that the sum of the power ratings of the seven supplies equals 25 watts, the total power of the resulting 5 volt, 5 amp supply. This means that every supply must be used to its full rating. I started with the 4 volt, 2 amp supply and noted that the only supplies that can be placed in series with it are the 1 volt supplies. If you use the 1v, 2a supply in series with the 4v, 2a supply there remains 5 volts at 3 amps and that is impossible to achieve with the remaining 5 supplies. Therefore, the 1v, 3a supply must go in series with the 4v, 2a supply. In parallel with the 1v, 3a supply must be a 2amp supply. The only choices are 2v, 2a or 1v, 2a. If you use the latter, that leaves 4 volts, 3 amps to be supplied by the remaining 4 supplies and that is impossible. Therefore, the 2v, 2a supply must be in parallel with the 1v, 3a supply. We must parallel the 4v, 2a supply with a series combination that gives 4 volts. This can only be achieved with the series connection of the 3v, 1a and 1v, 2a supplies. This leaves only the 3v, 1a supply which must be in series with the 2v, 2a supply and the remaining 2v, 1a supply goes between the 2v, 2a and the 1v, 2a supplies. The solution is shown at the top of the next column.

The easier way to solve the problem is to represent each power supply as a rectangular block with the height proportional to voltage and the width proportional to the current. Then it is a simple matter to arrange these seven rectangles to form a 5 by 5 block representing the desired 5 volts at 5 amps. The solution then looks like the 5 by 5 grid in the next column just below the solution. You can compare the two to see that they are identical. Of course, a flipped over or a mirror image solution would also work.



	1v, 3a		2v, 2a	
4v, 2a		3v, 1a	2v, 1a	
				3v, 1a
		1v, 2a		

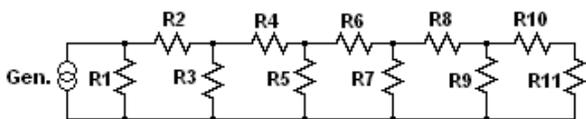
8 AFRICAN OPERATIONS APPROVED

ARRL DXCC Manager Bill Moore, NC1L, reports that eight operations in Africa -- 9Q/DK3MO (Democratic Republic of the Congo), 3C0C (Annobon), 3C9B (Equatorial Guinea), 3V9A (Tunisia), 3V0A (Tunisia), TS7TI (Tunisia, also includes /p operation), TS8P (Tunisia, also includes /p operation) and TS9A (Tunisia) -- have been approved for DXCC credit. All operations -- with the exception for the 9Q/DK3MO -- are 2010 operations. The 9Q/DK3MO operation is good for operations commencing in 2007 through the present. Read more here.

From *The ARRL Letter*, December 9, 2010

A NEW BUT EASIER PUZZLE

You are given the following circuit, called a ladder network, with a generator on the left supplying power to the circuit. If each of the resistors, R1 through R11, is 1 ohm and 1 ampere flows through R11 on the right, what is the voltage of the generator and how many amperes must it supply?



Hint: This problem can be solved with Ohm's law where $V=IR$ and $I=V/R$ and Kirchoff's law which says that the total current entering a node must equal the total current leaving a node (a node is where two or more resistors meet).

Another Hint (or not): You can also use the "Fibonacci Formula."

If the problem is too easy for you, change all of the resistors from 1 ohm to π (3.14159) ohms and solve for the generator voltage and current to supply 1 ampere to R11.

If the problem is still too easy, go back to all 1 ohm resistors but make the generator 1 volt and solve for the current through R11. This illustrates how some ladder networks are much easier to solve working from right to left than in going from left to right.

Send your answers to w2od@arrl.net and if you are correct, you will be listed as a winner in the next Propagator.

FIFTEEN YEARS AGO

From the January 1996 Propagator: There was a picture (taken by Seymour Krevsky, W2JBI-SK) of GSARA members at ARRL headquarters on September 27, 1995 and showed Rich, AA2BY; Rich, KB2NXA-SK; Frank, WS2Y (now W2XYZ); Bill, W2DLP; Tony, W2GUM-SK; and Bob, W2OD. Treasurer Dave, N2IRO (now WD2DW) showed the financial summary for 1995 where we began and ended the year with about \$3800 in the treasury. Joe, WA2SFF wrote a book titled "Wireless and Personal Communications Systems" published by Prentice Hall.

QUICKSTATS POLL ON ARRL WEB

Four new poll questions have just been published on the QuickStats page on the ARRL Web site. Let your voice be heard!

Questions in this month's QuickStats poll include:

- Do you use CW on a regular basis?
- If your out-of-warranty transceiver failed, what would you do?
- Do you own a tablet computer?
- Does your ARES® group use the ARRL Public Service Activity Report form to document SKYWARN activity?

Visit the QuickStats page and be sure to bookmark it in your browser. Results from this QuickStats poll will be published in the March 2011 issue of QST on the QuickStats page, located in the rear advertising section of the magazine. Along with monthly poll results, QST QuickStats offers colorful charts and graphs that highlight interesting Amateur Radio statistics.

From *The ARRL Letter*, December 16, 2010

2010 A BANNER YEAR FOR DXCC

With the coming of more sunspots, comes more DX. And when more amateurs are working DX, that means the ARRL's Membership and Volunteer Programs Department -- especially the DXCC desk and the ARRL Incoming and Outgoing QSL Bureaus -- goes into high gear.

"Compared to 2009, 2010 saw a dramatic increase in the number of cards we received from ARRL members that were sent to foreign QSL bureaus, as well as the number of cards we sent out to the bureaus," said DXCC Manager Bill Moore, NC1L. "In addition, the number of DXCC applications -- including those for initial awards and endorsements -- also increased." Read more here.

From *The ARRL Letter*, December 16, 2010

TYPEWRITER is the longest word that can be made using the letters only on one row of the keyboard.

The average person's left hand does 56% of the typing.

DONATED STATION AVAILABLE

To promote contest operating, the Frankford Radio Club will donate a complete station to a licensed amateur radio operator who wishes to get started in the contesting experience but is unable to put together a station. The station consists of a Yaesu FT-840 HF Transceiver, a Samlex 1223 23 amp Power Supply, a Hygain AV-620 6m to 20 m Vertical antenna, a Bencher Paddle, keyer, coax, microphone, etc.

Application are now being accepted which must include name, call sign, contact information (phone and/or e-mail) and one page or less on why the applicant feels he or she is deserving of a station with which to start contesting. Please send the application via e-mail to:

Mark Kemisty, FRC Secretary at aa3k@arrl.net by February 15, 2011.

FREE TO ANYONE INTERESTED

Dish Network Model 4922 satellite receiver with IR and UHF remote. Outputs are S-video, composite video, and channel 3/4 (analog).

Bruce McLeod K2QXW
732-946-4368
brucemcleod@verizon.net

Happy New Year!

NOTES ON CALENDAR (see last page)

Large call letters denote birthdays e.g. **KC2HAW** January 6. All times are EST. Contests are listed in the January QST, p. 84.

December 31-January 1 – **ARRL Straight Key Night** from 7 pm Friday to 7 pm Saturday. See <http://www.arrl.org/straight-key-night>

January 1 – **Happy New Year 2011!**

January 2 – **Kids Day**, HF phone from 1 pm to 7 pm. See <http://www.arrl.org/kids-day>

January 2 and every Sunday – **InfoAge Marconi Hotel** open from 1 to 5 pm on Marconi Road in Wall. Exhibits by QCWA, OMARC, Antique Radio, Broadcaster's Hall of Fame, etc. \$5 donation requested.

January 3 - **Monmouth County ARES Net** meets on 147.045 +600, PL=67.0 at 7:30 pm.

January 4 – **Middletown Pancake House Luncheon** at noon at left rear table. All are welcome.

January 4 – **Monmouth Amateur Radio Club meeting** at 7 pm in Union Beach Police Annex (Municipal Building) on Poole Avenue.

AREA AMATEUR EXAM SESSIONS

Amateur radio exam sessions in this area are as follows but please contact the responsible person to be sure that the time and date are accurate.

Wall Township, Camp Evans Area on Marconi Road: Exams are held on the first Saturday of the even numbered months (February 5, 2011) at 10 AM. The contact person is Pat Brannick, N2BZD at 732-267-0308 or e-mail to pbrannick@aol.com.

Middletown, Croyden Hall on Leonardo Road: Exams are on the second Tuesday of every month at 7 PM. The contact person is Mario Sellitti, N2PVP 732-787-7184 or e-mail to n2pvp@n2pvp.com.

Toms River, Riverview Park Recreation Building: Exams are held on the third Thursday of every month at 7:30 PM. The contact person is Ed Genoino, WA2NDA at 609-971-2792 or e-mail to wa2nda@aol.com.

Toms River, Holiday City South Clubhouse, Meeting Room #1, Mule Road at the corner of Santiago Drive on the second Saturday of the odd numbered months (January 8, 2011) at 10 AM and on the second Wednesday of the even numbered months (February 9, 2011) at 7 PM. The contact person is Larry Puccio, K2QDY, 732-349-2950 or lpuccio1@comcast.net.

In all cases, the fee is \$15 and you should bring the original and a copy of any amateur license presently held and original and one copy of any credit (CSCE) forms you have. Also bring 2 forms of ID with one being a picture ID.

January 4 – **Old Barney ARC Meeting**, 7:30 pm at Ocean Acres Community Center in Manahawkin, NJ. See <http://www.obarc.org>

January 4 and every following Tuesday – **QCWA News Net** on 147.045 PL=67 at 9:00 pm.

January 5 – **GSARA Meeting** at 7:30 PM at the Red Cross, West Park Ave. and Shafto Road in Tinton Falls.

January 6 - **Holiday City ARC meeting** at 7 pm at Holiday City South Clubhouse in Toms River.

January 7 - **W1AW Qualifying Run** at 9 am (35-10 wpm). See January. QST, p. 84 and 103 or www.arrl.org/w1aw

January 8 – **OMARC Meeting**, 9:00 am at the Diana Site on Marconi Road, Wall, NJ followed by operating the station to commemorate Project Diana. Guests are welcome to drop in and operate the station.

January 8 – **Holiday City VE Session** at 10 am in Toms River. Pre-register with Larry Puccio, K2QDY at 732-349-2950 or e-mail at lpuccio1@comcast.net

Jan. 8-9 – **ARRL RTTY Roundup**, HF from 1 pm Saturday to 7 pm Sunday. See <http://www.arrl.org/contests>

Jan. 8-9 – **North American QSO Party, CW** from 1 pm Sat. to 1 am Sun. See <http://www.ncjweb.com/naqprules.php>

January 10 - **Monmouth County RACES Net** meets on 147.045 +600, PL=67.0 at 7:30 pm.

January 11 – **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

January 13 – **Jersey Shore Amateur Radio Society (JSARS)** meeting in Riverview Park Recreation Building, Rt. 527 and Riverwood Drive in Toms River at 7:30 pm.

Jan. 15-16 – **North American QSO Party, Phone** from 1 pm Sat. to 1 am Sun. See <http://www.ncjweb.com/naqprules.php>

January 17 - **Monmouth County ARES Net** meets on 147.045 +600, PL=67.0 at 7:30 pm.

January 19 – **GSARA Meeting** at 7:30 pm at the Red Cross in Tinton Falls. How to operate your station remotely via the internet.

January 20 – **W1AW Qualifying Run** at 9 am (10-35 wpm). See January QST, p. 84 and 103 or www.arrl.org/w1aw

January 20 – **JSARS VE Test Session** at 7:30 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.

Jan. 22-23 – **ARRL VHF Sweepstakes**, all modes from 2 pm Sat. to 11 pm Sun. See <http://www.arrl.org/contests>

January 24 - **Monmouth County ARES Net** meets on 147.045 +600, PL=67.0 at 7:30 pm.

January 31 -. **Monmouth County RACES Net** meets on 147.045 +600, PL=67.0 at 7:30 pm.

2011 DUES ARE DUE!

If you have not yet paid your dues for 2011 (see mailing label on last page), now is the time to do it. Please pay our treasurer **Joe Dreifuss, W2KQ**. Regular membership is \$15, family membership is \$25, students are \$7.50 and active Military personnel pay no fee (but submit form to show continued interest in belonging). If you wish to have a paper copy of *The Propagator* mailed to you, add \$5 and check this box:

NAME _____ CALL _____

wishes to continue membership in GSARA for 2011. Payment of \$ _____ is enclosed.

Make checks payable to GSARA and mail or give to: **Joe Dreifuss, W2KQ**
6 Fredric Drive
Ocean, NJ 07712

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					SKN	1 SKN
2 Kids Day InfoAge	3 ARES/RACES 7:30	4 Pancake House MARC Mtg 7 PM Old Barney ARC QCWA News 9 PM	5 GSARA Mtg	6 KC2HAW Hol. City Mtg.	7 CW Qual. Run	8 OMARC Mtg Proj. Diana Hol. City VE RTTY Rndup NA QSO CW
9 InfoAge RTTY Rndup NA QSO CW	10 KC2TKK RACES Net 7:30	11 KE2DT Croyden VE 7 PM QCWA News 9 PM	12	13 W2QFQ JSARS Mtg.	14	15 NA QSO SSB
16 NA QSO SSB InfoAge	17 ARES/RACES 7:30	18 KA2VXA QCWA News 9 PM	19 GSARA Mtg	20 CW Qual. Run JSARS VE	21 N2LAL	22 VHF SS
23 VHF SS InfoAge	24 ARES/RACES 7:30	25 QCWA News 9 PM	26	27	28	29
30 InfoAge	31 RACES Net 7:30					



G.S.A.R.A.

8 DONNER STREET

HOLMDEL, NJ 07733

FIRST CLASS