



# THE PROPAGATOR

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

NOVEMBER 2010

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## UPCOMING GSARA MEETINGS

The next regular meeting of the GSARA will be held on **Wednesday, November 3 at 7:30 PM** at the **American Red Cross** in Tinton Falls. This will be a regular business meeting. Guests are welcome and refreshments will be served. Please try to attend.

The second meeting in November, also at the Red Cross, will be on **Wednesday, November 17 at 7:30 PM** and will feature George Sabbi, KC2GLG giving an introduction to Skywarn, a program sponsored by the National Weather Service. If there is enough interest after this talk, we will arrange for a Skywarn Class in the future. As always, refreshments will be served. We look forward to seeing you there.

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## SWEEPSTAKES IN NOVEMBER

The Sweepstakes is the major US-Canadian contest of the year and is held on the first weekend in November (CW) and the third weekend (SSB). The object is to work as many of the 80 ARRL sections and Canadian Provinces as you can in a 24-hour period. All 80 is a "clean sweep" and is achieved by several participants. The relatively long exchange is based on the preamble for NTS messages. It consists of a serial number, precedence (Q, A, B, U, M, or S), call, check (year first licensed), and Section/Province. The final score is the number of QSOs times the number of Sections/Provinces. CW and SB are each scored separately.

On **Saturday, November 13 at 2 PM**, Jim, K2EI will come to the Red Cross and meet with the individuals who are interested in operating in the Sweepstakes contest to discuss strategy and techniques with them. The plan is to operate SSB from the W2GSA club station at the Red Cross on the weekend of November 20-21. Anyone with an interest in contesting is welcome to attend.

## WELCOME NEW MEMBER

Please welcome new member Arek Tarniowy, KC2TXZ from Keyport. Licensed since 2008, Arek holds a General class license and is interested in various electronics projects. He is active on 20, 40 and 80 meters with SSB, RTTY and digital with his IC-756 Pro3 and a Gap Titan antenna. His occupation is PLC Programmer and other interests besides amateur radio are electronics, computers, and programming. Welcome to GSARA, Arek!

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## HUDSON DIV. AWARDS LUNCHEON

To be held on Sunday, -November 14, 2009

12:00 Noon - 4:00 PM

**Biagio's Restaurant**  
**Paramus NJ**

2010 Hudson Division Awards Ticket and Program  
Ad Forms Are Now Available [here](#)

*2010 ARRL Hudson Division Awards  
To Be Presented At the Luncheon Include*

**Amateur of the Year - Nancy Rosner N2TKA**  
**Technical Achievement - Julius Jones N2IHY**  
**Grand Ole' Ham - Jerry Jankowitz, NO2T**

**Congratulations to these wonderful people!!**

Key Note Speaker will be  
ARRL President **Kay Craigie, N3KN**

Tickets are \$50 per person

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## HUDSON DIVISION HOME PAGE

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

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## GSARA HOMEPAGE

<http://www.gardenstateara.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
	WA2FVL	Jack Keating	264-7670

## 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

For those of you getting *The Propagator* by mail, you will note that I have included a new Roster. For those on the e-mail list, you should be able to download a copy of the Roster in pdf format. I will also bring extra paper copies to all club meetings for those who would like a copy but don't want to print it out. The membership is growing nicely. I hope that it keeps up next year.

November is Sweepstakes month and if you've never participated, this year presents an excellent opportunity to try your hand at it. Jim, K2EI has graciously offered to conduct a class on operating tips for Sweepstakes on Saturday, November 13 at 2 pm at the Red Cross (see page 1). If you don't have HF capability at home, we will be operating W2GSA during the SSB portion of Sweepstakes on November 20-21 and you're welcome to drop it and lend a hand. It's an interesting contest based on traffic handling on the NTS so the exchange is a bit longer than that for other contests. For maximum score, you want lots of contacts with as many different sections as possible. There should be lots of fun and activity that weekend.

By reading old copies of *The Scope* (predecessor to *The Propagator*) and perusing old Callbooks, I keep digging up interesting parts of GSARA history. I've shared some of them on pages 5 and 6. Unfortunately, there are significant gaps in the early days (1950s and 1960s) and most of the participants from that era are now silent keys so many of the gaps will probably never be filled.

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.

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 December issue is November 15.

73 de Bob, w2od@arrrl.net

## MINUTES OF OCTOBER 6 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 13 members and one guest present. The guest was Arek Tarniowy, KC2TXZ from Keyport. After the pledge to the flag, all members introduced themselves.

### Secretary's Report

A motion was made by Laura, N2HGI and seconded by Ralph, KC2YNL to accept the minutes of the September meetings as published in the October Propagator. The motion was accepted unanimously. Secretary Bob, W2OD reported no correspondence.

### Treasurer's Report

Treasurer Joe, W2KQ was late to the meeting so the treasurer's report was given by Frank, W2XYZ. A motion was made by Ralph, KC2YNL and seconded by Annie, N2LAL to accept the report. It was accepted unanimously.

### Old Business

GSARA shirts will be ordered after the meeting so members were given the last chance to order one.

Connectors for the antenna patch panel were purchased for \$77.02 and Jeff, N2LXM will be drilling out the panel for the connectors.

The trailer-tower donated by Mike, W2EXQ-SK is now in the rear of the Red Cross Building. The cables must be replaced and the tower sand blasted and painted. A motion was made by Ted, N2KPS and seconded by Andy, KA2VXA to authorize up to \$300 to refurbish the trailer-tower. The motion passed unanimously.

The Red Cross disaster drill on October 2 was successful with about 50 participants. GSARA members KA2VXA, W2NXG, WB2KNS, W2HTS, and W2XYZ participated by providing communications.

### Public Service

Tom, N2VFK could use some additional help with two upcoming Public Service events. The first is the Juvenile Diabetes walk in Avon on October 9 which is a morning event. The second is the CROP Walk in Red Bank on October 16 which is an

afternoon event. If you can help at either (or both), contact Tom.

### New Business

Jim, K2EI has asked if GSARA would be interested in participating in the November Sweepstakes on the SSB weekend of November 20-21. Several members indicated an interest so we hope to put W2GSA on the air from the Red Cross that weekend.

### New Member

An application for membership was received from Arek Tarniowy, KC2TXZ from Keyport. Arek has his General license and is active on 20, 40, and 80 meters SSB, digital, and RTTY. He has an IC-756 Pro3 and a Gap Titan antenna. He is hoping to put up a tower. Arek is a PLC Programmer and, besides amateurs radio, is interested in electronics, computers, and programming. By unanimous vote, Arek was approved for membership.

### Announcements

It looks like the Asbury Park repeater on 147.045 will be turned over to GSARA.

Kevin, W2FA has a Gap Voyageur antenna and two 20-foot ZEP-45 tower sections for sale. If interested, contact him.

### Program

Ted, N2KPS donated a DVD of the GSARA 1992 Field Day at Tatum Park in Middletown. The first half was shown at the meeting and brought back many memories.

### Closing

The door prize of \$10 was won by Bob, W2OD. A second door prize of a Field Day coffee cup was won by Andy, KA2VXA. There being no further business, a motion was made by Jeff, N2LXM and seconded by Matt, W2AOJ to close the meeting. The motion was accepted unanimously and the meeting adjourned at 8:45 PM.

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## MINUTES OF OCTOBER 20 MEETING

By Bob Buus, W2OD, Secretary

President Frank Wroblewski, W2XYZ called the meeting to order at the Red Cross at 7:27 PM. There were 17 members present. After the pledge to the flag, all members introduced themselves.

### Public Service

Tom, N2VFK announced that there will be a Public Service event in December and that details will be forthcoming.

### Old Business

GSARA will be participating in the November 20-21 Sweepstakes. On Saturday, November 13, Jim, K2EI will be at the Red Cross to give some operating tips and techniques.

Jeff, N2LXM has completed construction of the antenna patch panel for GSARA. He did a very professional job.

### New Business

On Saturday, November 13, Jeff, N2LXM has agreed to conduct a one-day Technician class at the Red Cross. Some additional VEs will be needed.

### Announcements

Jeff, N2LXM will be operating K2USA at OMARCs Diana site on November 6 and 7 to commemorate Veteran's Day. Operation will be from 1400 to 2200Z (10 am to 6 pm).

The GSARA program for the November 17 meeting will be an introduction to Skywarn.

### Program

A one-hour movie of the Scarborough Reef, BS7H operation was shown. It's hard to believe what these amateurs accomplished under such difficult circumstances. Popcorn was enjoyed by all.

### Closing

The door prize of \$15 was won by Howard, W2HTS. There being no further business, a motion to close the meeting was made by Lou, W2HAM and seconded by Ralph, KC2YNL. By unanimous vote, the meeting adjourned at 8:40 PM.

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## **FOUR NEW DXCC ENTITIES**

With the dissolution of the Netherlands Antilles on October 10, two now-deleted DXCC entities are now four new DXCC entities, effective October 10, 2010. The island pair of Bonaire and Curacao (PJ2 and PJ4, the Leeward Islands) and the three-island group of Sint Maarten, Saba and St Eustatius (PJ5, PJ6 and PJ7, the Windward Islands) have been deleted from the DXCC list of active entities and replaced with four new entities. Not since the

aftermath of World War II -- with so many new European entities -- and the break-up of the French colonies in Africa in the early 1960s -- have so many new DXCC entities come into existence all at once.

On October 10, the US Department of State recognized the dissolution of the Netherlands Antilles, placing the new entities on its Dependencies and Areas of Special Sovereignty List, saying that "Curacao and Sint Maarten (the Dutch two-fifths of the island of Saint Martin) became autonomous territories of the Kingdom of the Netherlands. Bonaire, Saba, and St Eustatius now fall under the direct administration of the Netherlands."

According to the DXCC rules, entities may be added or removed from the DXCC List as a result of political or geographic change. These new entities qualified to be listed on the DXCC List under Section 2, Rule 1(b) of the DXCC rules: "The entity contains a permanent population, is administered by a local government and is located at least 800 km from its parent. To satisfy the 'permanent population' and 'administered by a local government' criteria of this sub-section, an Entity must be listed on either (a) the US Department of State's list of 'Dependencies and Areas of Special Sovereignty' as having a local 'Administrative Center,' or (b) the United Nations list of 'Non-Self-Governing Territories.'"

With so many DXCC entities all coming into being at the same time, many amateurs made their way to Curacao (PJ2T, PJ2/OH1VR, PJ2/PB2T, PJ2A and PJ2MI), Sint Maarten (PJ7E, PJ7MF), Bonaire (PJ4B, PJ4D, PJ4I, PJ4LS and PJ4W), Saba (PJ6A) and St Eustatius (PJ5/AA4NC, PJ5/AH6HY and PJ5/K1XM) to put these new ones on the air. Beginning at 0400 UTC on October 10, the airwaves were filled with those looking to snag these new entities; just days after the entities became "live," stations on the islands had made more than 15,000 QSOs on SSB and CW.

Per the ARRL DXCC Desk, no confirmations for these new entities will be accepted until after January 1, 2011; other administrative changes will be announced as they are finalized. Look for more information on the ARRL Web site, in upcoming editions of The ARRL Letter and in the December 2010 issue of QST.

*From The ARRL Letter, October 14, 2010*

## FIFTEEN YEARS AGO

From the November 1995 Propagator: Guest speaker at the November 15 meeting was Joe Dreifuss, WA2GSY (now W2KQ) talking about working the satellites. Thirteen GSARA members participated in the Red Bank CROP walk. Net control was John Holden, N2OWN. Other participants were Al, N2TSV, Tom, N2VFK, Gary, WB2RPW, Nena, N2WAY, Rich, KB2NXA, Les, W2QHS, Roy, KB2LUO, Marlo, KA2IRQ, Bob, W2OD, Jeff, N2LXM, Ed, N2OTF, and Charles, KB2PUI. The Shore Area Hamfest was at Brookdale on October 8 and attendance was over 1600!

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## TWENTY FIVE YEARS AGO

From the Propagator for November 1985: John King, KA2F took over as editor of The Propagator. Little Silver had proposed an ordinance to make all antennas illegal and many area amateurs turned out at the October 21 hearing to protest. The Council agreed to reconsider the proposal. Harry Polhemus, KN2B reported that the Treasure Island operation was a success with 280 contacts. The Jersey Shore Ham and Computer Fest will be held at the Neptune City Recreation Hall on November 3.

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## A BRIEF HISTORY OF W2GSA LICENSE

The call of W2GSA was originally issued to Bob Morris of Point Pleasant in 1934. Bob was a member of the Jersey Shore Amateur Radio Association (JSARA) which was founded in 1932 and he was an active participant of JSARA activities in the late 1930s. Bob became a Navy Aviator and Officer in World War II and lost his life in 1943 or 1944.

After the war, the JSARA obtained Bob's call in his memory in 1946 or 47. GSARA was formed by the merger of JSARA and Monmouth County Amateur Radio Association (formed in 1945) sometime after the 1947 Hudson Division Convention and before 1950 - probably in 1948 or 1949. Neither of the original clubs wanted the other club's name used for the merged organization so a compromise was reached by utilizing the GSA in the call to create the Garden State Amateur Radio Association, GSARA. The club's call has been W2GSA ever since.

## ARISSat-1 IN SATELLITE FINAL PREP.

Having successfully completed vibration testing this week, the ARISSat-1/RadioSkaf V satellite will soon be on its way to Russia for final preparation and launch to the International Space Station. In Russia, the Kursk experiment will be added and the satellite will undergo additional testing. A new Russian Orlan suit battery will be shipped to the ISS separately to be installed into the satellite. ARISSat-1 is scheduled to be sent to the ISS aboard Russian Progress vehicle 41P in January 2011 and deployed during EVA (extra-vehicular activity, commonly called a spacewalk) R-28 in February 2011. Read more here.

From *The ARRL Letter*, September 30, 2010

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## JA-VE 2200 METER QSO

Kunikazu Togashi, JA7NI, in Daisen, Akita, Japan, and Scott Tilley, VE7TIL, of Vancouver, British Columbia, completed a transpacific QSO on 2200 meters (137 kHz) on September 28. Tilley called this a first between Canada and Japan. The distance between CN89dk (VE7TIL) and QM09fl (JA7NI) is 7162 km. While not the DX record for 2200 meters, Tilley told the ARRL that the QSO comes in second to the distance achieved in 2004 by operators at the Wellington Amateur Radio Club Quartz Hill User Group, ZM2E, in New Zealand and Vladimir Burakov, UA0LE, in Vladivostok, Russia. Read more here.

From *The ARRL Letter*, September 30, 2010

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## ARRL VE EXAMS AT SOUTH POLE

While much of the United States was enjoying a beautiful autumn day on October 8, those who winter over at the Amundsen-Scott South Pole Station were experiencing a typical day for their clime, a day in the -70s (yes, you read that right -- 70 below 0 degrees Fahrenheit). But though the day was indeed frigid, six men and two women at Amundsen-Scott didn't feel the cold as they were too excited (and maybe just a touch nervous), knowing they were going to be part of the first Amateur Radio license exam session ever held at the South Pole. Read more here.

From *The ARRL Letter*, October 14, 2010

## ARRL LoTW HITS 300 MILLION

Congratulations to Victor Morozov, RD3PQ, for submitting QSO number 300 million to the ARRL Logbook of The World (LoTW)! His QSO with Ivan Gombos, SV2/OM3CGN, on October 5, 2010 did the trick. To date, Morozov has submitted nearly 6300 contacts to LoTW and will receive free DXCC and Worked All States awards for his well-placed log.

"We're very pleased with the high level of use and acceptance of LoTW from operators around the world," said ARRL Membership and Volunteer Programs Manager Dave Patton, NN1N. "January 2011 marks the 10 year anniversary of the ARRL's announcement of the LoTW system. While it has taken longer than anyone expected to return to building-out the system, progress is being made. ARRL's programmers are working hard to improve usability and to add support for the VUCC award, and we have received valuable assistance from volunteers in the development of the system and software." Read more here.

*From The ARRL Letter, October 14, 2010*

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## TEAM USA MEDALS AT 2010 ARDF

By ARRL ARDF Coordinator Joe Moell, K0OV

ARDF Team USA has just returned from Croatia, the site of this year's World Championships of Amateur Radio Direction Finding (ARDF). Three team members have new medals for their collections, the most medals ever earned in the World Championships by the USA. ARDF -- also called foxhunting and radio-orienteeing -- requires map-and-compass proficiency, stamina and speed, as well as skill using direction-finding gear. It is done entirely on foot. Each day, the competitors set forth into a 1700 acre woods containing five "fox" transmitters in unknown locations. The foxes for each band are all on the same frequency and each one comes on the air for 60 seconds at a time in rotating sequence. Only men and women in the prime age category are required to look for all five; those in the other age/gender categories search for fewer, in accordance with International Amateur Radio Union rules. Read more here.

*From The ARRL Letter, September 30, 2010*

## ARRL HOMEBREW CHALLENGE III

The ARRL has sponsored two Homebrew Challenges in the past, designed to test our members' design and construction skills by making useful amateur gear at low cost -- and sharing their results with our members. Our first ARRL Homebrew Challenge, announced in QST for August 2006, required the construction of a 40 meter, 5 W voice and CW transceiver built for less than \$50 of new parts. The Second Homebrew Challenge, announced in February 2009, resulted in a number of creative designs of low cost 50 W linear amplifiers to follow the transceiver -- two for about \$30, as well as a multiband amplifier with many features for somewhat more.

This time, we announce a challenge to build a transceiver in celebration of the (slow) return of sunspots. This challenge will be in two parts and readers can enter into either or both:

- A single band 25 W SSB and CW transceiver for 10 or 6 meters (Option 1), with a prize of \$200.
- A 25 W SSB and CW transceiver that can be switched between 10 and 6 meters, using one or two switches (Option 2), with a prize of \$300. Read more here.

*From The ARRL Letter, October 7, 2010*

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## HISTORY OF GSARA MEETING PLACES

There is evidence that GSARA was meeting at the Red Cross in Shrewsbury in 1954 and continuing until it went inactive around 1965. When GSARA was reactivated in 1970, the meetings were again at the Red Cross in the new building on Broad Street in Shrewsbury from 1970 until November 1976. There was a fire at the Red Cross in 1976 and GSARA moved to the Deal Test Site in Ocean Township from December 1976 through February 1978. Then we moved to the Fair Haven Youth Center from March 1978 through September 1979. Starting in October 1979, we met at Bicentennial Hall in Fair Haven until the building was closed for renovations in October 1999 at which time we moved to the Fort Monmouth MARS station. Starting in September 2008, we met half of the time at the Red Cross in Tinton Falls. Then in February 2010, all meetings took place at the Red Cross.

## NOTES ON CALENDAR (see last page)

Large call letters denote birthdays e.g. **N2CUG** November 7. All times are EDST before November 7 and EST after. Contests are listed in the November QST, p. 86.

November 1 - **Monmouth County ARES Net** meets on 147.045 +600, PL=67.0 at 7:30 pm.

November 2 – **Middletown Pancake House Luncheon** at noon at left rear table. All are welcome.

November 2 – **Monmouth Amateur Radio Club meeting** at 7 pm in Union Beach Police Annex (Municipal Building) on Poole Avenue.

November 2 – **Old Barney ARC Meeting**, 7:30 pm at Ocean Acres Community Center in Manahawkin, NJ. See <http://www.obarc.org>

November 2 and every following Tuesday – **QCWA News Net** on 147.045 PL=67 at 9:00 pm.

November 3 - **W1AW Qualifying Run** at 9 am (35-10 wpm). See November. QST, p. 86 or [www.arrrl.org/w1aw](http://www.arrrl.org/w1aw)

November 3 – **GSARA Meeting** at 7:30 PM at the Red Cross, West Park Ave. and Shafto Road in Tinton Falls.

November 4 - **Holiday City ARC meeting** at 7 pm at Holiday City South Clubhouse in Toms River.

November 6-7 – **Radio Club of America QSO Party**, SSB from 1 pm to midnight. See <http://www.radioclubofamerica.org>

Nov. 6-7 – **ARRL Sweepstakes, CW** from 5 pm Sat. to 10 pm Sunday. See <http://www.arrrl.org/contests>

November 7 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.

November 8 - **Monmouth County RACES Net** meets on 147.045 +600, PL=67.0 at 7:30 pm.

November 9 – **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](mailto:n2pvp@n2pvp.com)

November 11 – **Jersey Shore Amateur Radio Society (JSARS)** meeting in Riverview Park Recreation Building, Rt. 527 and Riverwood Drive in Toms River at 7:30 pm.

November 13 – **OMARC Meeting**, 9:00 am at the Diana Site on Marconi Road, Wall, NJ.

November 13 – **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](mailto:lpuccio1@comcast.net)

November 13 – **Sweepstakes Operating Tips** at 2 pm by Jim, K2EI at the Red Cross.

Nov. 13-14 – **CQ Western Electric**, all modes from 2 pm Sat. to midnight Sun. See <http://www.cqwe.cboh.org>

November 15 - **Monmouth County ARES Net** meets on 147.045 +600, PL=67.0 at 7:30 pm.

November 16 – **W1AW Qualifying Run** at 7 pm (10-35 wpm). See November QST, p. 86 or [www.arrrl.org/w1aw](http://www.arrrl.org/w1aw)

November 17 – **GSARA Meeting** at 7:30 pm at the Red Cross in Tinton Falls. Skywarn Talk.

November 18 – **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. 20-21 – **ARRL Sweepstakes, SSB** from 4 pm Sat. to 10 pm Sunday. See <http://www.arrrl.org/contests>

November 22 - **Monmouth County ARES Net** meets on 147.045 +600, PL=67.0 at 7:30 pm.

November 25 – **Thanksgiving Holiday**

Nov. 26-28 – **CQ Worldwide CW Contest** from 7 pm Friday to 7 pm Sunday. See <http://www.cq-amateur-radio.com/>

November 27 – **Neptune Amateur Radio Club Meeting** at 9 am at the American Legion on Gully Road.

November 29 - **Monmouth County RACES Net** meets on 147.045 +600, PL=67.0 at 7:30 pm.

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



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FIRST CLASS