



THE PROPAGATOR

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

JULY 2014

UPCOMING GSARA MEETINGS

The GSARA meeting for Wednesday, July 2 at 7:30 PM at the Red Cross. The program will be "Twenty-one New Jersey Radio Inventors: Celebrating N.J.'s 350th Birthday." The presenter will be John, KA2F. The talk will be illustrated and summary handouts will be available. We look forward to a good turnout. As always, light refreshments will be available. Plan to attend and bring a friend.

The second meeting in July will be held on **Wednesday, July 16 at 7:30 PM** at the Red Cross. This will be a regular business meeting. Light refreshments will be served and guests are always welcome.

GSARA NET 8:30 PM TUESDAYS

Did you know that there is a get-together of GSARA members on the Asbury Park repeater every Tuesday at 8:30 pm? In the four sessions in June, we have had 21 check-ins for an average of 5.25 per session. The following 11 members checked into this net at least once (number of check-ins in parenthesis):

N2HGI (4), W2OD (4), N2BMK (3), KA2F (3), K2CYS (1), K2EPD (1), KD2FHT (1), W2HTS (1), N2UUS (1), W2XYZ (1), and KC2YNL (1).

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

NEW GSARA WEBSITE

Check out the revised GSARA website at:

www.gardenstateara.org

WELCOME NEW MEMBERS

Please welcome John Norris, KD2FOI to the GSARA. He is an engineer who holds a General Class license and is active on SSB on many of the HF bands with his Kenwood TS-450SAT. Please add to your roster:

KD2FOI, John Norris
50 Sutton Place
Middletown, NJ 07748
732-671-0903
nexus63@gmail.com

Also welcome Al Baccili, KD2FVE to GSARA. Al has his Technician license and is awaiting his General before establishing a station. He is retired. Please add to your roster:

KD2FVE, Al Baccili
79 Coles Street
Jersey City, NJ 07302
917-881-9969
allute@aol.com

VE TEST SESSION JULY 26

The GSARA monthly test session will be held on Saturday, July 26 at 11 am at the Red Cross in Tinton Falls. 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.

GSARA OFFICERS

President	KA2F	John King	942-7705
Vice Pres.	W2HTS	Howard Suffill	460-1885
Secretary	W2OD	Bob Buus	946-8615
Treasurer	K2QXW	Bruce McLeod	946-4368
Engineer	W2EPD	George Graulich	255-7916
Webmaster	K2CYS	Cy Stanway	768-7773
Publicity	NJ2H	Bill Shockley	207-4466
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

DX MEETINGS UP IN THE AIR

The DX meetings on the last Monday of each month (July 30) have become a bit sporadic due to lack of interest. If you would like to meet, please contact Joe, W2KQ to find if the meeting will take place and whether it will be at the Red Cross or at the Blue Swan 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). Ray, WA1FFT 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>

GSARA E-MAIL

w2gsa@arrl.net

EDITOR'S NOTES

Hopefully, this edition of *The Propagator* will get to you before Field Day and I encourage you to participate in whatever way your time allows (see p. 4). The weather is expected to be rather nice and the food will be outstanding. So come on out and join in the fun! I look forward to seeing a large turnout.

The special event operation of N2J to commemorate the 350th anniversary of the state of New Jersey went rather well (see p. 5). Although President John, KA2F would like to have seen more participation, I think we did a very respectable job with the volunteers who did participate. Although I didn't get down to the Red Cross myself, I did work Marty, N2BMK as he operated the station on 20 meters. The QSL requests are already coming in!

The big activity in July will, of course, be the ARRL 100th anniversary convention in Hartford on July 17-19. Although our GSARA bus had to be cancelled due to insufficient interest (see p. 4), you should still seriously consider going up there to participate (see p. 6 for a personal invitation from Hudson Division Director Mike, N2YBB). Perhaps you can arrange a carpool with some of your ham radio friends.

Please note the upcoming change in the FCC rules (see p. 7) whereby anyone previously licensed as a General or Extra can get their license back by simply passing the Tech exam. You might pass the word to any former hams you know to let them know how easy it will be to get their license back. I assume that those previously licensed as Advanced will be granted a General license since the Advanced is no longer granted.

It is also interesting to note that the number of VEs required at each examination session will remain at three. Fortunately, GSARA has enough VEs to meet that need.

I'm looking forward to John's talk at the July 2 meeting about the several New Jerseyans who have contributed to the radio art over the years. John always does diligent research about his subjects so his talk will be quite informative.

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

73 de Bob, w2od@arrl.net

MINUTES OF JUNE 18, 2014 MEETING

By Bob Buus, W2OD, Secretary

President John King, KA2F called the meeting to order at 7:31 PM at the Red Cross. There were 22 members and one guest present. The guest was Jeff Janover, AC2NP from Middletown. After the pledge to the flag, all present introduced themselves.

Health and Welfare

Bob, W2OD read a thank you note from John Golembeski's (K2EOB-SK) son regarding GSARA condolences.

Bob also read a note from Herb Holzberg, W2HH thanking GSARA for condolences regarding his wife, Shirley, N2KQ who was a past president of GSARA. Herb mentioned that he no longer drives at night so cannot attend meetings. John, KA2F and Marty, N2BMK both offered to give him a ride. Bob, W2OD agreed to provide contact information so these members can make arrangements with Herb for a ride.

Cy, K2CYS reminded us that he will take care of sending cards of condolence to silent key families in the future but he must be notified of the deaths.

The subject of updating the silent key plaque came up. Jeff, N2LXM agreed to arrange to get updated name plates engraved. Bob, W2OD will send a list of silent keys to Jeff.

Secretary's Report

A motion was made by Jeff, N2LXM and seconded by Rich, KD2FLE to accept the secretary's minutes from the previous meetings as published in the June Propagator. The motion passed unanimously.

Treasurer's Report

Treasurer Bruce, K2QXW presented his report. A motion was made by Jeff, N2LXM and seconded by Marty, N2BMK to accept the report and it passed unanimously.

NJ 350 Anniversary

On June 21-22, GSARA will celebrate the 350th anniversary of the state of New Jersey by operating special event station N2J from the Red Cross. Operation will start at 8 pm Friday until about midnight and resume at 10 am Saturday morning until 4 pm. Operators were asked to sign

up for 2-hour time slots for either phone or CW. John, KA2F asked anyone who has a spare digital clock to bring it to the Red Cross to aid in the paper logging.

Field Day

Field Day is coming on June 28-29. There will be an outdoor station in the front of the Red Cross building with two transmitters as well as the indoor operation from the GSARA radio room. We will operate 3F. Frank, W2XYZ will coordinate operations and a sign-up sheet was circulated to reserve operating positions on either phone or CW. We will also have a GOTA station and a VHF station. We have a lot of new members who would be good candidates to operate the GOTA station. Bob, W2OD, agreed to bring his IC-706 for the VHF station. We will probably use the 6-meter vertical antenna on 6. John, KA2F outlined the array of food that will be available during Field Day which should be a real incentive to get more operators out.

Membership Applications

An application for membership was received from John Norris, KD2FOI from Middletown. John has a General class license and is active on HF SSB with his Kenwood TS-450SAT.

An application for membership was also received from Al Baccili, KD2FVE from Jersey City. Al is retired and awaiting his General upgrade before setting up his station.

A motion was made and seconded to accept both of the above members into GSARA and the motion passed unanimously.

Announcements

Jeff, N2LXM announced that OMARC has special permission to use the WA2GM call sign to try to contact Elettra Marconi who will be in Cape Cod on Friday, June 20.

On June 30 there will be a special luncheon with Elettra Marconi at InfoAge. Bob, W2od volunteered to attend on behalf of GSARA and QCWA Marconi Chapter.

Close

The door prize of \$22.00 was won by Rich, KD2FLE. There being no further business, a motion was made and seconded to close the meeting which was adjourned at 8:24 pm.

WALTER PRANG, KZ5WP - SK

Former GSARA member Walter Prang, KZ5WP became a silent key on Sunday, June 15 at the age of 83. He lived in Oceanport until dementia forced him to move to assisted living and eventually to South Carolina where he was looked after by his nephew, Robert Prang.



Walter was a seaman in the United States Merchant Marine for 30 years, retiring in 1985. He served with the Naval Reserve during the **Korean War**. Walter was a longtime member of the Oceanport United Methodist Church, serving as a trustee and church historian. He was a member of the Oceanport Senior Citizens.

He was a member of the Quarter Century Wireless Association, QCWA Marconi Chapter 138, Veteran Wireless Operators Association and a past member of the Garden State Amateur Radio Association. He held the call KZ5WP and prior to that, W2HOZ. In 1996 Mr. Prang received the Marconi Memorial Gold Medal of Achievement, to "honor a U.S. Merchant Marine Radio Officer and his technical operations ashore" from the VWOA. In 2001, he was made a Fellow of the Radio Club of America. Born in New York City, he lived in Oceanport for over 40 years before moving to South Carolina.

Surviving are his nephew Robert A. Prang of South Carolina.

Visitation and funeral were on Tuesday, June 24 at the Flock Funeral Home in Long Branch. Entombment followed at Woodbine Cemetery, Oceanport.

SUMMARY OF JUNE 8 INFOAGE VISIT

By Bob Buus, W2OD, Secretary

Turnout for the GSARA tour of the InfoAge museum was disappointing with only 9 members and 4 guests attending. We only stayed 2 hours and had to skip several of the interesting exhibits. We did get to see WWII radar and clandestine communications equipment, spent time at the antique radio museum and had an interesting talk about electronic countermeasures. We missed the vintage computer exhibits and the Jersey Coast shipwreck rooms. Hopefully, some would like to return another day and pick up what was missed.

The museum is open Wednesdays, Saturdays and Sundays from 1 to 5 pm. The suggested admission donation is \$5 per person.

BUS TO CONVENTION CANCELED

Due to insufficient interest, the GSARA bus trip to the ARRL Centennial Convention on Saturday, July 19 has been canceled. Hopefully, members interested in going will be able to arrange other transportation.

CQ FD CQ FD CQ FD JULY 28-29

Hopefully, this issue will get to you in time to remind you that Field Day is Saturday and Sunday, June 28 and 29. You are all cordially invited to help out in the set-up (Saturday morning), operating and logging (2 pm Saturday to 2 pm Sunday) and tearing down (Sunday afternoon). We hope to keep 3 stations on the air for most of the 24 hours.

We also plan to put a Get On The Air (GOTA) station to be operated by those licensed since the 2013 Field Day as well as those who have not been active for some time.

John, KA2F has promised that the food for the operators will be varied and great so that will certainly enhance the experience of those participating this year.

NJ 350 BIRTHDAY SPECIAL EVENT

By John King, KA2F

GSARA operated special event station N2J from the Red Cross Headquarters on Friday evening, June 20 and again on Saturday, June 21.

The good news is that a total of 138 QSOs were made by Garden State Amateur Radio Association members Ray, WA1FFI; Len, WA1PCY; Bruce, K2QXW; Marty, K2BMK; Arnold, AB2N; and John, KA2F. The most productive bands were 20 and 40 meters Friday night and 20 meters Saturday (15 meters was just about dead.) Joe, W2KQ and Blair, KD2EPA came by to lend support.

The bad news is that only eight operators answered the call to volunteer to have some radio fun on N2J and everyone else was sorely missed.

It proved impossible to operate N2J on CW (to the disappointment of Arnold and John who both handled the microphone well enough for SSB novices) due to the heavy All Asia contest QRM. (KA2F learned how to send "Arrrgh!" in CW this weekend.)

Now comes the hard work of handling all 138 QSL cards. Any volunteers?



Arnold AB2N on 20m operating N2J Special Event for NJ's 350th Birthday June 21, 2014. Arnold was a "novice" operating SSB, being a dedicated CW ham. He just reviewed the phonetic alphabet and sat down to work 50 QSOs in a short time and had loads of radio FUN.

Marty N2BMK had completed two pages of 20m SSB QSOs and left for home before the camera started flashing.



Bruce, K2QXW on 20m CW operating N2J Special Event call sign for NJ's 350th Birthday. CW proved to be not effective during the massive deluge of DX stations in the All Asia contest at this time.



Len, WA1PCY operating N2J on 40m SSB for NJ350 and checking his log. Meanwhile Ray, WA1FFT was operating from home.

HUDSON DIVISION HOME PAGE

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

NEW GSARA WEBSITE

You've got to go have a look at the revised GSARA website at www.gardenstateara.org

Cy, K2CYS has done a spectacular job and is always open to receiving suggestions from members with ideas on how to make it better, if that is possible.

ARRL NATIONAL CENTENNIAL CONV.

Mike Lisenco, N2YBB

ARRL Hudson Division Director

Please accept this as my personal invitation to you to attend the 2014 ARRL National Centennial Convention, July 17-19 in nearby Hartford, Connecticut. Advance registration is recommended, and you may do so by visiting ARRL2014.org.

This is a once-in-a-lifetime opportunity to come together with other members and friends as we celebrate the very best of the ARRL and Amateur Radio. This will be a CELEBRATION to remember!

The event is being held at the Connecticut Convention Center in downtown Hartford. This is a handsome, modern facility where we'll host all of the convention activities. A free shuttle connects many of downtown hotel options (visit ARRL2014.org for convention rates at nearby hotels). The convention center is handicap accessible.

On Thursday, July 17th, the ARRL Centennial Convention will feature all-day training tracks (advance registration is required). These workshops will be led by the top national-level trainers and experts in Amateur Radio. On Friday, July 18th, and Saturday, July 19th, the convention will feature a huge exhibit hall and 70+ hours of forums and special presentations. FEMA Administrator Craig Fugate, KK4INZ will give the keynote address at the Centennial Banquet on Friday night (over 600 have registered already!), and Nobel Prize Winner, Joe Taylor, K1JT, will speak Saturday at noon.

ARRL Headquarters in nearby Newington is rolling out the red carpet for all convention attendees. Shuttle buses will run attendees to ARRL HQ (about 15 minutes away) for tours of the main administrative building, grounds & antenna farm, and W1AW—the Hiram Percy Maxim Memorial Station. If you've never visited 225 Main Street, now's your chance!

There's so much planned I can't begin to cover it all here. Please visit the official convention registration site to review the entire agenda: ARRL2014.org

Let's make history! See you in Hartford!

RFI FROM POT GROW LIGHTS

The ARRL already has [complained](#) to the FCC that so-called "grow light" ballasts can generate severe interference on the HF bands. According to a recent article in *The Coloradoan*, retired electrical engineer Tom Thompson, W0IVJ, first noticed interference on 40 meters at his location in Boulder a couple of years ago. So, he coupled his own portable [receiving loop](#) with a direct-conversion receiver that he could use to walk around his neighborhood and pin down noise sources. In at least one instance, the problem emanated from a domestic marijuana-growing operation -- a "grow house."

"With the increase in legalized medical and recreational marijuana comes an increase in RFI due to electronic grow light ballasts," Thompson [explained](#) on his website, where he describes how he constructed a filter that considerably reduced interference from the devices. "These ballasts are usually switching power supplies, capable of lighting 600 to 1000 W high-pressure sodium or metal halide lamps," Thompson said. "The switching frequency is usually 50 to 70 kHz and is rich in harmonics."

Thompson said that because the light fixture is separated from the ballast by about 25 or 30 feet of wire -- approximately a quarter wave on 40 meters -- the RFI may be strongest on that band. "I have heard radiations from these systems up to about one-half mile away," he said. "When the [marijuana] plants are young, the lights are on 24/7. After about 2 weeks, the lamps are on for 12 hours, and off for 12 hours." Thompson said that since most systems are on a timer, it's possible to predict when the RFI will start, once you have determined the initial "on" time.

As the article in *The Coloradoan* pointed out, with 22 states and the District of Columbia now allowing medical marijuana, and Colorado and Washington permitting its recreational use, "there's been an explosion in the number of people growing their own pot, much of it indoors." The noise problems are reported to be worst in Colorado and California.

Thompson has written an article on the topic of tracking down and resolving such interference. It is scheduled to appear this fall in *QST*.

From *The ARRL Letter*, June 12, 2014

PART 97 CHANGES IN EFFECT SOON

The FCC's recently announced revisions to the Part 97 Amateur Radio rules governing exam credit to former licensees, test administration, and emission types will go into effect on Monday, July 21. The new rules were published in The Federal Register on June 20.

In a wide-ranging Report and Order (R&O) released June 9, the Commission announced that it would grant examination credit for written elements 3 (General) and 4 (Amateur Extra) to holders of "expired licenses that required passage of those elements." The FCC will require former licensees falling outside the 2-year grace period to pass Element 2 (Technician) in order to be relicensed. The Commission declined to give exam credit to holders of expired Certificates of Successful Completion of Examination (CSCEs) or to extend lifetime validity to CSCEs. The R&O can be found on the web in PDF format at, http://transition.fcc.gov/Daily_Releases/Daily_Business/2014/db0609/FCC-14-74A1.pdf

The FCC also embraced the use of remote testing methods, allowing volunteer examiners and volunteer examiner coordinators "the option of administering examinations at locations remote from the VEs." The Commission did not spell out the "mechanics" of remote testing, however, which it said would "vary from location to location and session to session." VEs administering examinations remotely must grade such examinations "at the earliest practical opportunity," rather than "immediately," as the current rule for conventional exam sessions requires.

The Commission dropped its earlier proposal to permit two VEs to administer exams; the requirement remains at three VEs.

The FCC also adopted an ARRL proposal to authorize certain Time Division Multiple Access (TDMA) emissions in the Amateur Service. The Wireless Telecommunications Bureau in 2013 granted an ARRL request for a temporary blanket waiver to permit radio amateurs to transmit emissions with designators FXD, FXE, and F7E, pending resolution of the rulemaking petition. That waiver becomes permanent on July 21.

From *The ARRL Bulletin 014*, June 23, 2014

NEW TECH E-MANUAL AVAILABLE

The sixth edition of the *ARRL Technician Instructor Manual* -- an electronic publication -- now is available for free download by ARRL registered instructors. This latest edition of *The ARRL Instructor's Manual* offers a course syllabus that addresses all of the topics covered by the FCC question pool that becomes effective on July 1 for the Technician license exam. The syllabus follows the topic presentation sequence in the ARRL student study guide, *The ARRL Ham Radio License Manual (3rd ed)*.

The *Instructor Manual* is available in four sections for online download, and it includes *PowerPoint* modules to enhance classroom presentation.

The ARRL Ham Radio License Manual for students is organized to explain some basic concepts of radio science and electronics at an introductory level, providing sufficient background for students to gain a fundamental understanding of radio technology.

The student and instructor materials are intended for an in-depth class series running about 20 hours in all. Topics may be selected for classroom discussion and lessons abbreviated and adapted to meet time constraints.

[Resources for License Instruction](#) also are available on the ARRL website.

From *The ARRL Letter*, June 19, 2014

RADIO ROOM OPEN SATURDAYS

The GSARA radio room in the back of the Red Cross is open most Saturday afternoons. Simply drive all the way around to the back, where the antennas are located, to the RED DOOR. You have a choice of ways to gain entry (in order of preference):

1. Call W2GSA on the repeater 147.045 (pl 67)
2. Call on the telephone 732-493-9100 ext. 1252
3. Ring the doorbell (CW preferred)
4. Bang on the door until either someone opens or your fist gets sore.

Hopefully, someone will let you in where you can operate or kibitz with others as you choose.

HAM RADIO GETS MEDICAL AID

In this era of nearly ubiquitous cell phones, Amateur Radio still offers a way to summon help in an emergency. Ron Smith, N1PXX, of Marshfield, Massachusetts, is living proof. Over Memorial Day weekend, on May 24, Smith, who's in his 60s, broke in on a conversation on the N1ZIZ 146.685 MHz repeater in Plymouth to say he was having a medical problem.

"Ron had pulled over on the highway and was having a tough time talking on his radio," said ARRL member John Williams, KB1EVY, the president of the [Genesis Amateur Radio Society](#) which owns the N1ZIZ repeater. The Genesis ARS is an ARRL Special Service Club.

One of the two stations that had been on the repeater, ARRL member Kevin O'Donnell, K1KOD, acknowledged Smith's call and asked for his cell phone number. With some difficulty -- and with assistance from the second station, David Blackford, KB1QJX, who was visiting the Cape Cod area from Connecticut -- O'Donnell was able to call Smith and establish that he needed prompt medical attention.

O'Donnell cleared the repeater and requested priority for a medical emergency. "Using both the radio and the cell, Kevin kept talking with Ron. He called 911, [and] gave Ron's location to the State Police," Williams said. O'Donnell let Smith know that an ambulance and police were en route. Smith reported that he saw the police pass by, but the cruiser did not stop. ARRL Life Member Dave Ring, N1EA, joined the conversation at this point, and assisted K1KOD. "N1EA was instrumental in making calls to the State police, who got back to Kevin that they had picked up Ron and were heading for South Shore Hospital," Williams recounted. Once Smith was on his way to the hospital, O'Donnell secured the brief emergency net. Williams said that in addition to the Massachusetts State Police, the call brought mutual aid from the Pembroke and Marshfield police departments and ambulance.

"Ron is still in the hospital and doing okay," Williams said later. "I talk with him once a day. He is so grateful for what was done for him! I would like to say, 'a job well done' by Kevin, K1KOD; David, N1EA, and Dave, KB1QJX." Read [more](#). -- *Thanks to John Williams, KB1EVY,*

and ARRL Eastern Massachusetts SM Phil Temples, K9HI

From *The ARRL Letter*, June 12, 2014

TEN YEARS AGO

From the July 2004 Propagator: Kid's Day was a huge success thanks to the efforts of Ray Lett, W2NXG (SK). Dave Ottenberg, WA2DJN was on 17 meters, Tony, W2GUM (SK) had scouts talking through the Middletown repeater on 2-meters and Bob, W2OD got on the W2NJR linked system where Frank, W2TVY on Echolink from Chicago had his granddaughter talking to several Girl Scouts. There were several pictures of various members operating the MARS station on Field Day. Herb, W2HH and his wife Shirley, N2KQ (SK) celebrated their 50th wedding anniversary by operating on Field Day.

FIFTEEN YEARS AGO

From the July 1999 Propagator: Field Day at Tatum Park was very successful where we operated 3A and racked up 7640 points with 50 operators. GSARA supported the Big Brothers bike-a-thon out of Brookdale College with 10 members helping out. A nice "Thank You" note was received for our efforts.

TWENTY YEARS AGO

From the July, 1994 Propagator: There was a big controversy regarding rf exposure limits for amateur stations. The ARRL wanted all amateurs exempt but their Bio-Effects Committee disagreed. The entire committee resigned over this issue. W2OD wrote an editorial supporting the ARRL position and finding the Bio-Effects committee out of line. Unfortunately, the FCC took the cautious stand of the Committee and we now have emission limits that few amateurs understand.

THIRTY YEARS AGO

From the July 1984 Propagator: About 35 GSARA members participated in Field Day with 21 staying overnight. Guest speaker at the July 18 meeting was Tony Colaguori, W2GUM (SK) talking about 1296 MHz. operation.

NOTES ON CALENDAR (see next page)

Large Call letters denote birthdays e.g. **K2YWI** on July 1. All times are EDST. Contests are listed in the July QST, p. 79.

July 1 – **Old Barney VE Session** at 6:30 pm in Manahawkin. Contact Urb Le Jeune, W1UL at 609-296-5856 or urb@w2dec.com

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

July 1-July 8 – **W1AW/9 (Wisconsin) and W1AW/7 (Utah)** from 8 pm Tuesday to 8 pm Tuesday.

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

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

July 2 – **GSARA Meeting** at the Red Cross. Program is “21 NJ Radio Inventors” by John, KA2F.

July 3 – **HCARC meeting** at 7 pm at Holiday City South Clubhouse in Toms River.

July 4 – **Independence Day Holiday.**

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

July 7 – **Monmouth County ARES Net** meets on 147.045 +600, PL=67.0 at 7:30 pm

July 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

July 9 – **W1AW Qualifying Run** at 10 pm (10-35 wpm). See www.arrl.org/qualifying-run-schedule

July 10 – **JSARS meeting** in Riverwood Park Rec. Building, Rt. 527 and Riverwood Drive at 7:30 pm.

July 12 – **OMARC Meeting** at 9:00 am at the Diana Site on Marconi Road in Wall. Guests welcome.

July 12-13 – **IARU World Championship**, Phone and CW from 8 am Sat. to 8 am Sun. See <http://www.arrl.org/contests>

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

July 15-July 22 – **W1AW/0 (Colorado) and W1AW/4 (South Carolina)** from 8 pm Tues. to 8 pm Tues.

July 16 – **GSARA Meeting** at 7:30 pm at the Red Cross in Tinton Falls. Regular business meeting.

July 17-19 – **ARRL Centennial Convention** in Hartford, CT. See <http://www.arrl2014.org>

July 17 – **JSARS VE Test Session** at 7:00 pm Riverview Park Recreation Bldg., Rt. 527 and Riverwood Drive in Toms River. Contact Ed Genoio, WA2NDA at 609-971-2792 or wa2nda@comcast.net.

July 19-20 – **CQ WW VHF Contest**, all modes from 2 pm Sat. to 5 pm Sun. See <http://www.cqww-vhf.com>

July 19-20 – **North American QSO Party RTTY** from 2 pm Sat. to 2 am Sun. See <http://www.ncjweb.com>

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

July 22-July 29 – **W1AW/9 (Indiana) and W1AW/1 (Rhode Island)** from 8 pm Tuesday to 8 pm Tuesday.

July 25 – **W1AW Qualifying Run** at 7 pm (10-35 wpm). See <http://www.arrl.org/qualifying-run-schedule>

July 26 – **VE Test Session** at 11 am at the Red Cross in Tinton Falls. Contact Rich Bilon, N3RB at 732-972-1397 or e-mail at n3rb@arrl.net

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

July 28 – **DX Interest Group**, Check with Joe, W2KQ as to time and place. See page 2.

July 29-Aug. 5 – **W1AW/4 (Kentucky)** from 8 pm Tuesday to 8 pm Tuesday.

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		K2YWI 1 OBARC GSARA Net 8:30 QCWA News 9 PM	2 GSARA Mtg.	3 Hol. City Mtg.	4 Independence Day	5
6 InfoAge	7 ARES/RACES 7:30	8 K2QXW GSARA Net 8:30 QCWA News 9 PM	9 Hol. City VE CW Qual. Run	10 JSARS Mtg.	11	12 OMARC Mtg IARU Contest
13 IARU Contest InfoAge	14 RACES Net 7:30	15 GSARA Net 8:30 QCWA News 9 PM	16 GSARA Mtg.	17 ARRL Conv. JSARS VE	18 N2DR ARRL Conv.	19 AC2FC ARRL Conv. CQ WW VHF N. A. QSO Pty
20 CQ WW VHF N. A. QSO Pty InfoAge	21 ARES/RACES 7:30	22 GSARA Net 8:30 QCWA News 9 PM	23	24	25 CW Qual. Run	26 AC2MV GSARA VE 11am
27 InfoAge	28 DX Mtg. RACES Net 7:30	29	30	31		



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