



THE PROPAGATOR

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

NOVEMBER 2015

UPCOMING GSARA MEETINGS

The next GSARA meeting will be on **Wednesday, November 4 at 7:30 PM** at the Red Cross. The program will feature Chris Wantuck, W2NQB talking about rust removal with electrolysis. Bring a guest and enjoy the light refreshments that will be available.

The second meeting in November will be held on **Wednesday, November 18 at 7:30 PM** at the Red Cross. This will be a regular business meeting with election of officers. Refreshments will be served and guests are welcome.

GSARA NET 8:30 PM TUESDAYS

GSARA members meet on the Asbury Park repeater every Tuesday at 8:30 pm. In the four sessions in October we had 25 check-ins for an average of 6.25 per session. The following 13 members checked into this net at least once (number of check-ins in parenthesis):

K2ARK (4), N2HGI (4), W2OD (3), KC2YNL (3), W2HAM (2), WB2RPW (2), K2ARV (1), N2BMK (1), KA2F (1), W2KQ (1), N2LXM (1), W2UTR (1) and N2ZZP (1).

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

VE TEST SESSION NOVEMBER 28

The GSARA monthly test session will be held on Saturday, November 28 at 11 am at the Red Cross. 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.

UPGRADE AND NEW CALLS

New member (in last month's Propagator) Art Olson, KD2JKP has upgraded from Technician to General. Congratulations, Art!

Please change the call of new member Nick Corvasce (in last month's Propagator) from KD2JKO to W2NAC.

Also, please change the call of Anthony Manza from KD2IEC to K2ARK.

Please change the call of new member Arvind Subramanya (in last month's Propagator) from KD2JHU to K2ARV. Congratulations, to all!

HUDSON DIVISION AWARDS LUNCH

The Hudson Division Awards Luncheon will be held on Sunday, November 8 from noon to 4 PM at Meson Madrid in Palisades Park, NJ.

Our own club member **Blair Hearth KD2EPA** will receive the **ARRL Hudson Division Award for Technical Achievement** at the awards luncheon.

KJI ELECTRONICS OPEN HOUSE

KJI Electronics, Inc. will be celebrating Customer Appreciation on November 20th, 21st and 22nd, 2015. GSARA members are invited to drop by. KJI is now an authorized dealer for YAESU AMERICA. Please go to this link <http://www.kjielelectronics.com> for further information, and we hope to SEE YOU THERE!

HELP NEEDED WITH TOWER

Nick Corvasce, W2NAC (ex KD2JKO) has bought an old antenna tower that he is unsure of the make and it is missing the base plate. He is looking for advice as to how to set up the tower. Anyone with advice should contact him at 732-895-2276 or ncorvasce@gmail.com.

GSARA OFFICERS

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

FRIDAY BLUE SWAN LUNCHEONS

A number of local radio amateurs meet each Friday at the Blue Swan Diner on Highway 35 south in Ocean Township at noon. Anyone interested in amateur radio is welcome to join us in the sun room at the north end of the diner.

PATCHES

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

OUTGOING QSL CARDS

If any GSARA members wish to combine their QSL cards that are going through the outgoing ARRL Bureau, please bring them to the next GSARA meeting along with the label from a recent QST Magazine (you must be an ARRL member to participate in this program). 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>

HUDSON DIVISION HOME PAGE

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

EDITOR'S NOTES

It's gratifying to see that newly licensed Art Olson, KD2JKP has upgraded to General (see p. 1). Thanks to help from Chris, W2NQB, Art has an antenna installed and has borrowed the Kenwood TS-520 rig donated to GSARA by Ed, WB2KCV. So, Art should be on the air soon. Listen for him.

I was sorry to see that Frank Slocum, KA2DRV became a silent key (see p. 4). Frank spent a lot of time on the Asbury Park repeater and was active in emergency communications. I particularly remember his excellent advice as to interesting places to visit on my trips to London some years ago. I'm forever indebted to him as it made the trips more interesting and enjoyable.

I'm looking forward to attending the Hudson Division Awards Luncheon on November 8 at Palisades Park, NJ (see page 1) and further honor Blair, KD2EPA for his Technical Achievement Award. Will you be there?

Thanks to John, KA2F who shared the pictures he took during the North American QSO Party which appear on pages 4 and 5.

I was disappointed that we didn't have more participation of GSARA members in the CROP walk (see p. 5). Thanks to those who did participate and send me the pictures printed. I remember when GSARA staffed essentially all of the rest stops and a couple of SAG vehicles besides.

Progress is being made in pushing the Parity Act through congress (see p. 7). The "Clarity on Parity" video is readily available on the ARRL web site but you can go directly to it on Facebook at <http://www.youtube.com/watch?v=AMY-5U1cJ6E>. It's under six minutes long and you might find it interesting.

Finally, I hope that the National Parks on the Air (see p. 6) will be as much fun in 2016 as the ARRL Centennial was in 2014. Let's see good participation of GSARA in this at least as Chasers. It would be nice to have a few Activators.

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

73 de Bob, w2od@arrl.net

MINUTES OF OCTOBER 7 MEETING

By Bob Buus, W2OD, Secretary

Treasurer John King, KA2F called the meeting to order at 7:30 PM at the Red Cross. There were 15 members present. After the pledge to the flag, all present introduced themselves and talked briefly about their recent amateur radio activities. President Howard Suffill, W2HTS arrived and took over the meeting.

Announcements

Chris, W2NQB is looking for an internet address for repeater files in the U.S. He also offered the services of his machine shop to any member who would like some small part machined.

Ed, WB2KCV donated his working Kenwood TS-520 transceiver to the club for loan to newly licensed amateurs. Art Olson, KD2JKP is the first person to borrow it. Special thanks were extended to Ed for this very useful donation.

John, KA2F distributed a flyer for the Hudson Division Awards Luncheon on Sunday, November 8. Our own Blair Hearth, KD2EPA will be receiving the Technical Achievement Award. Although the cost is \$42.50 per person, the GSARA will reimburse members attending so the net cost is only \$25 for GSARA members. Make your reservations through John, KA2F.

John, KA2F announced that the luncheon honoring GSARA's member of the year, Cy Stanway, K2CYS is coming up on Saturday, December 5 at Ninette's Italian Restaurant at 2:00 pm. Cost is \$20 per person and make reservations through John, KA2F.

Program

The program was presented by Bob, W2OD who talked about the design and construction of foot switches for push-to-talk. When his design is completed, it might make a good construction project for the club.

Close

The 50/50 of \$13 was won by Art Goldberg, KC2CRI. There being no further business, a motion was made by Marty, N2BMK and seconded by Art, KC2CRI to adjourn the meeting which was closed at 8:55 pm.

MINUTES OF OCTOBER 21 MEETING

By Bob Buus, W2OD, Secretary

President Howard Suffill, W2HTS called the meeting to order at 7:41 PM at the Red Cross. There were 8 members present so we did not have a quorum. After the pledge to the flag, all present introduced themselves.

Health and Welfare

Ralph, KC2YNL is in pain and is resting at home.

Former GSARA member Frank Slocum, KA2DRV became a silent key on Friday, October 2 at the age of 84. A native of this area, he served in the Navy during the Korean War and retired from Lakehurst Naval Air Station. He was active in ARES, RACES and Skywarn and was on many two-meter nets. Surviving are his wife of 60 years, Joan Slocum and a daughter and her husband in London. A memorial service will be held on Friday, Oct. 23 at Atonement Lutheran Church on Heck Avenue in Asbury Park. Ely Funeral Home is in charge of arrangements.

A moment of silence was observed in memory of Frank Slocum, KA2DRV.

Secretary's Report

A motion was made and seconded to accept the minutes of the October 7 meeting as they will be published in the November Propagator. The motion passed unanimously.

Treasurer's Report

Treasurer John King, KA2F gave the Treasurer's report which was accepted.

Award Presentation

John, KA2F presented a special award to Cy, K2CYS for his untiring efforts at Field Day in 2014 and 2015. The award included a 2015 Field Day pin and 2015 Field Day Mug. Congratulations to Cy for this well-deserved award.

Nominating Committee

Bruce, K2QXW, head of the Nominating Committee presented the following slate of officers for 2016:

President: Howard Suffill, W2HTS

Vice President (two candidates):

Rem Hunnewell, K2REM
Len Kline, WA1PCY

Secretary: Bob Buus, W2OD

Treasurer: John King, KA2F

Chief Engineer: George Graulich, K2EPD

The floor was opened for additional nominations. With none being presented, the nominations were closed. We will vote for Vice President and the other officers at the November 18 meeting.

New Business

Rem, K2REM has been looking into new badges for GSARA members. In quantities of 10 or more, they should cost about \$4. Several members present expressed interest in obtaining such badges so Rem will continue to pursue this.

The GSARA repeater has been experiencing some interference because we do not have PL to key the repeater. It was felt that George, K2EPD has the PL board but hasn't had the time to install it. When he does, the problem will be alleviated.

Announcements

Howard, W2HTS has a large assortment of various plugs and jacks. He will make them available to GSARA members.

Rem, K2REM has a large assortment of wire and cables that he would like to find a home for.

Nick Corvasce changed his call from KD2JKO to W2NAC.

Anthony Manza changed his call from KD2IEC to K2ARK.

Close

There being no further business, a motion was made and seconded to close the meeting which was adjourned at 8:41 pm.

FRANK SLOCUM, KA2DRV - SK

Former GSARA member Frank Slocum, KA2DRV became a silent key on Friday, October 2, 2015. He was 84. Born in West Belmar, he lived in Neptune most of his life. Frank graduated from Manasquan High School and served during the Korean War in the US Navy. After returning home, he worked for Nescafe for a few years and then to Naval Air Station Lakehurst (now Naval

Air Engineering Station Lakehurst) as an electronic technician until retirement.



Frank was a licensed amateur radio operator and active with emergency communication. He was a member of Skywarn with the National Weather Service at Mount Holly and participated in various emergency training nets and Public Service events.

Frank is survived by his wife of 60 years, Joan Slocum and his daughter and her husband of London, England.

Although there will be no viewing, a memorial service to celebrate his life was held at 1 pm Friday, October 23 at Atonement Lutheran Church on Heck Avenue in Asbury Park. The services have been entrusted to the Ely Funeral Home, Neptune. Condolences may also be offered online at www.elyfuneralhome.com.

NAQP OPERATOR'S PHOTOS

GSARA participated in the North American QSO Party on phone on August 15-16 and achieved a respectable score of over 23,000 points. Four of the 11 members who participated were caught on camera by John, KA2F while operating:



John Chunga, KC2YWL just worked a rare one



Jim Griffiths, K2EI working the pile-ups



Mike Hemeon, K1MH is busy logging



Bob Buus, W2OD having a good time

OCTOBER CROP WALK

As he has done for so many years, Tom Cosgrove, N2VFK coordinated the communications for the CROP Walk in Red Bank on October 18. GSARA members participating included Jeff, N2LXM as net control, Len, WA1PCY at rest stop 3 and Chris, W2NQB at rest stop 5. Tom could have used more help as some rest stops were not covered.



Chris Wantuck, W2NQB manned Rest Station #5. The radio used was a YAESU FT-8800 Dual Band FM Transceiver set to simplex operation. Chris's 2008 Saturn is in the back ground



This was the operating position at rest area three which was the Methodist Church on Broad Street in Red Bank and staffed by Len, WA1PCY. You can see Len's folding chair and Yaesu HT (tiny black object) hanging from one of the bars.

OK TO MODIFY NON-AMATEUR GEAR

The ARRL has asked the FCC to make clear that Amateur Radio licensees may modify non-amateur equipment for use on Amateur Radio frequencies. Some hams have expressed concerns that recently proposed rules would inhibit post-sale modification of Wi-Fi equipment, now sometimes altered for use on Amateur Radio frequencies. The ARRL made its point in [comments](#) filed on October 8 on a *Notice of Proposed Rule Making (NPRM)* in ET Docket 15-170 and RM-11673.

"The Commission should clarify...that the ability of licensed radio amateurs to modify and adapt non-amateur equipment for use in the Amateur Service is beneficial, is permitted, and is

not restricted by any rule of general applicability adopted in this proceeding," the League said in its comments. The ARRL said proposed rules requiring manufacturers to include security features to prevent network devices from being modified were "problematic," to the extent that they would preclude hams from adapting network equipment for ham radio applications.

"The Amateur Radio Service has a very long tradition of modification and adaptation of commercial communications equipment," the ARRL pointed out in its comments, asserting that amateur licensees should be permitted to modify any previously authorized equipment for use under Amateur Service rules.

The League said some RF devices, such as RF "grow lights," now subject to the more informal Verification process, should be subject to Certification, owing to their substantial interference potential.

In July, the ARRL complained to the FCC about the marketing practices of various "big box" retailers, where non-consumer-rated lighting ballasts have been mixed in with consumer ballasts and other consumer products on display with no explanatory signage. Ballasts intended for industrial applications have higher permitted conducted emission limits in the Amateur Radio HF spectrum. The League called on the FCC to include a definition in Part 18 for the term "consumer RF lighting device," to provide a way to differentiate consumer devices from those intended for industrial or commercial environments.

The League also said the FCC should consider reducing its Part 15 limits for lighting devices to correspond with the Part 18 lighting device limits between 3 and 30 MHz to reduce the RFI potential of LED bulbs now being widely marketed, "before they become an aggregate problem." LED lamps operate under Part 15 rules.

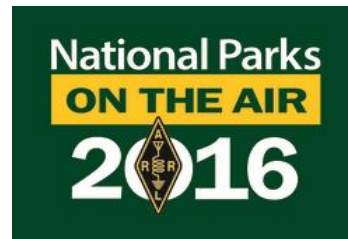
The ARRL said the FCC should adopt the League's new equipment-labeling proposals with respect to certain Part 15 and Part 18 equipment "in order to stop the flood of such devices intended for commercial or industrial areas only into residential areas." Read [more](#).

From *The ARRL Letter*, October 15, 2015

NATIONAL PARKS ON THE AIR

In 2016, the National Park Service (NPS) will celebrate its 100th anniversary, and radio amateurs will be able to help mark the occasion with the ARRL National Parks on the Air (NPOTA) event. The event kicks off at 0000 UTC on January 1, 2016.

"As ARRL just celebrated our own Centennial, and Amateur Radio is often enjoyed in the great outdoors, it seemed fitting to devise a program to help NPS celebrate their own 100th birthday," said ARRL Media and Public Relations Manager Sean Kutzko, KX9X. NPOTA will run throughout 2016, with activity promoted and encouraged from each of the more than 430 official NPS administrative units and affiliated areas across the US. This includes all 59 National Parks as well as National Battlefields, Historic Sites, Memorials, Preserves, Reserves, Rivers, Seashores, National Scenic Trails, and other units.



The program will have two participation tracks -- Chasers and Activators. Chasers will simply attempt to make contact with operators in as many of the NPS units as possible. Activators will attempt to activate as many of the units as possible. NPOTA participants may serve in both roles. Chaser and Activator totals will be tracked via an online [Leader Board](#) based on LoTW data, just as was done during the Centennial QSO Party. Access the NPOTA Leader Board directly at <http://npota.arrl.org>.

Modeled after the Mixed DXCC award, only one contact with any given NPS unit will be required, and no tally will be kept of NPS units based on bands or modes. NPOTA will be administered entirely through Logbook of The World (LoTW). No paper logs or QSLs will be accepted for NPOTA credit. Each NPS unit will be added to LoTW as a "location."

[Complete details](#) on National Parks on the Air are available on the ARRL website. Read [more](#).

From *The ARRL Letter*, October 15, 2015

PARITY ACT COSPONSORS GROW

The [Amateur Radio Parity Act](#) of 2015 bill in the US House (H.R. 1301) now has 106 cosponsors! ARRL President Kay Craigie, N3KN, credited ARRL members "who understand the importance of the legislation" with making it possible to reach that milestone.

"They have signed letters at hamfests and conventions all over the country, at booths staffed by Directors, Vice Directors, Section Managers, and other ARRL officials," President Craigie said. Backing up those efforts have been recent personal visits to Capitol Hill by ARRL Directors Dick Isely, W9GIG, and Mike Lisenco, N2YBB, as well as by General Counsel Chris Imlay, W3KD.

The Amateur Radio Parity Act would direct the FCC to extend its Part 97 Amateur Radio Service rules relating to "reasonable accommodation" of Amateur Service communications to include private land use restrictions. There are two bills, one in the US House and one in the US Senate. US Rep [Adam Kinzinger](#) (R-IL) introduced H.R. 1301 on March 4 with 12 original cosponsors from both sides of the aisle. US Sen [Roger Wicker](#) (R-MS) introduced S. 1685 into the US Senate on June 25, with Sen Richard Blumenthal (D-CT) as the original cosponsor.

"We are not done by any means," President Craigie added. "Let's push the numbers up and keep our representatives and senators aware of how much we care about this issue."

The ARRL recently introduced a "Clarity on Parity" [video](#), and not only has it been made available on Capitol Hill, it would make an informative Amateur Radio club meeting program. A "Clarity on Amateur Radio Parity" [document](#) stresses many of the same points.

The ARRL Amateur Radio Parity Act of 2015 [page](#) provides more information and explains how members can become involved.

From *The ARRL Letter*, October 22, 2015

HUSDON COUNCIL DONATES \$9000

At the recent meeting of the ARRL Executive Committee in Minneapolis, ARRL Hudson Division Director Mike Lisenco, N2YBB, representing the Hudson Amateur Radio Council

(HARC), donated \$8922.93 to the ARRL Legislative Issues Advocacy Fund.

"HARC was formed over 50 years ago to help support expenses incurred by clubs sponsoring Division conventions," Lisenco said. "Over the past 30 years, conventions in the Hudson Division have become few and far between, due to the costs associated with an event in the metropolitan New York area, as well as finding clubs with the people to staff such an event. The last convention was held in 2000."

Lisenco said Dave Popkin, W2CC, became the guardian of the HARC money that remained after the last convention and was savvy enough to place it in a certificate of deposit that yielded the substantial sum donated to the ARRL Legislative Issues Advocacy Fund.

Accepting the donation on behalf of the League were ARRL President Kay Craigie, N3KN, and ARRL CEO David Sumner, K1ZZ.

From *The ARRL Letter*, October 22, 2015

FOX-1A NOW AO-85 SATELLITE

In what may have been record speed, AMSAT's new Fox-1A satellite received its OSCAR designation on the day of its launch. Although its FM transponder is not yet routinely active while the CubeSat undergoes commissioning, it has been operational on many passes. Right on schedule at 1249 UTC on October 8, the Atlas rocket carrying Fox-1A and 12 others lifted off from Vandenberg Air Force Base in California. AMSAT OSCAR Number Administrator Bill Tynan, W3XO, announced later that day that going forward Fox-1A would be known as AO-85. Fox-1A has been dedicated to Tony Monterio, AA2TX who had been at the helm of AMSAT's CubeSat projects until his death last year.

The Fox-1A Mode B (U/V) FM transponder has an uplink frequency of 435.180 MHz (67 Hz tone), and a downlink frequency of 145.980 MHz. AMSAT's [Online Satellite Pass Predictions](#) utility can determine AO-85 passes over a given location.

AMSAT has produced a free [commemorative issue](#) of the *AMSAT Journal* that highlights the Fox-1A launch success.

From *The ARRL Letter*, October 15, 2015

MORE CHINESE SATELLITES

On the heels of the [September 19 launch](#) of nine satellites carrying Amateur Radio payloads comes word that three more satellites were launched on September 25 from the Jiuquan Satellite Launch Center in Inner Mongolia's Gobi Desert. The CubeSats, identified as Tianwang-1A (TW-1A; SECM-1), Tianwang-1B (TW-1B; NJUST-2), and Tianwang-1C (TW-1C; NJFA-1), were developed by students at the Nanjing University of Aeronautics and Astronautics in collaboration with the Shanghai Engineering Center for Microsatellites. TW-1A and TW-1B are 2 U CubeSats, while TW-1C is a 3U CubeSat.

The mission's main goal is to experiment with software defined radio technology in space. The Amateur Radio payloads, which do not include any transponders, will serve to exchange telemetry, tracking, and command information with the ground control station. Telemetry data will be made public, so that radio amateurs around the world may track and monitor the health of the satellites.

Other payloads include a video camera, along with receivers for dual-band GPS/BeiDou, Maritime Automatic Identification System, and Aeronautical Automatic Dependent Surveillance Broadcast. Using MEMS-based cold-gas micropropulsion, it is planned to demonstrate formation flying by two of the CubeSats along with inter-satellite communication using GAMALINK 2.4 GHz spread spectrum technology from Portugal.

According to Michael Chen, BD5RV, of CAMSAT, the satellites have downlinks in the 435-438 MHz Amateur-Satellite Service allocation. TW-1A transmits on 435.645 MHz (GMSK 4800/9600 baud, 10 second transmit interval); TW-1B on 437.645 MHz (GMSK 4800/9600 baud, 20 second transmit interval), and TW-1C on 435.645 MHz (GMSK 4800/9600 baud, 10 second transmit interval). Note that TW-1A and 1C use the same frequency. The satellites also may have downlink frequencies in the VHF range. Read [more](#). -- *Thanks to AMSAT News Service, AMSAT-UK*

From The ARRL Letter, October 1, 2015

TEN YEARS AGO

From the November 2005 Propagator: Vice President Sterling Rodgers, N2GT received his 55-year licensed award from QCWA. W2GSA scored 9th in the 1AB category for Field Day with 2680 points. K2USA was 7th in the 1F category with 1466 points.

FIFTEEN YEARS AGO

From the November 2000 Propagator: Bob Lewis, W2EHS became a silent key at age 92. Gary Palamara (SK) changed his call from KB2YTN to AF1US. Rich Struening, KB2USF joined GSARA. The FCC is monitoring eBay for sale of illegal radio equipment.

TWENTY YEARS AGO

From the November, 1995 Propagator: The Hamfest at Brookdale was successful with attendance of about 1600 (1131 paid). Gary Metzger, WA2RPW joined GSARA. Jerry Havel, W2RRX (SK) moved to Missouri and Cary Fishman, WB2BSJ moved to Arizona. A request to lower the code speed for General class from 13 to 5 wpm was denied by the FCC.

TWENTY-FIVE YEARS AGO

From the November 1990 Propagator: Dave Henderson, W2QS became a silent key on September 18. Radio communication for an 80-mile bike trek from Highlands to Long Branch (day 1) and return (day 2) were provided by GSARA members Joe, W2EHS (SK); Gina, N2FRP; John, KA2F; Walter, W2HOZ (SK); Bob, W2OD; Gus, WA2PAC (SK); and Jim, WB2QMP. Bob Dobbins, WD2AHT had an article about his amateur radio activities in Freehold before and after WW I.

THIRTY YEARS AGO

From the November 1985 Propagator: John King, KA2F took over as editor. An ordinance banning all antennas in Little Silver was defeated thanks to efforts by W2DME (SK), N2PB (SK), KA2F, W2ZEE (SK), and WA2ESZ (SK). Over 280 contacts were made from Treasure Island organized by Harry Polhemus, KN2B. Ed Razer, W2ZI became a silent key after almost 75 years in amateur radio.

NOTES ON CALENDAR (see next page)

Large Call letters denote birthdays e.g. **W2UTR** on November 3. All times EST. Contests are listed in the November QST, p. 91. Don't forget to set your clocks **BACK** one hour at 2 am November 1.

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

November 2 - **Monmouth County ARES Net** meets on 147.045 +600, PL=67.0 at 7:30 pm

November 3 – **Old Barney VE Session** at 6:30 pm in Manahawkin. Contact Urb Le Jeune, W1UL at 609-296-5856 or urb@w2dec.com

November 3 – **Old Barney ARC Meeting** at 7:30 pm in Manahawkin, NJ. See <http://www.obarc.org>

November 3 and every following Tuesday – **GSARA Net** on 147.045 PL=67 at 8:30 pm.

November 3 and every following Tuesday – **QCWA News Net** on 147.045 PL=67 at 9:00 pm.

November 4 - **WIAW Qualifying Run** at 9 am (10-35 wpm). See November 2015 QST page 103 and www.arrl.org/qualifying-run-schedule

November 4 – **GSARA Meeting** at 7:30 pm. Program features Chris Wantuck, W2NQB talking about rust removal using electrolysis.

November 5 - **HCARC meeting** at 7 pm at Holiday City South Clubhouse in Toms River.

Nov. 7-8 – **ARRL Sweepstakes, CW** from 4 pm Saturday to 10 pm Sunday. See <http://www.arrl.org/sweepstakes>

November 9 -. **Monmouth County RACES Net** meets on 147.045 +600, PL=67.0 at 7:30 pm.

November 11– **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 12 – **JSARS meeting** in Riverwood Park Rec. Building, Rt. 527 and Riverwood Drive at 7:30 pm.

November 14 – **OMARC Meeting** at 9:00 am at the Diana Site on Marconi Road in Wall. Guests welcome.

Nov. 14-15 – **CQ WE Contest, CW & Digital** from 2 pm Saturday to midnight Sunday. See <http://www.cqwe.cboh.org/rules.html>

November 16 - **Monmouth County ARES Net** meets on 147.045 +600, PL=67.0 at 7:30 pm

November 18 – **WIAW Qualifying Run** at 7 pm (10-35 wpm). See November 2014 QST page 103 and <http://www.arrl.org/qualifying-run-schedule>

November 18 – **GSARA Meeting** at 7:30 pm at the Red Cross in Tinton Falls. Election of officers.

November 19– **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.

Nov. 21-22 - **ARRL Sweepstakes, SSB** from 4 pm Saturday to 10 pm Sunday. See <http://www.arrl.org/sweepstakes>

November 23 - **Monmouth County ARES Net** meets on 147.045 +600, PL=67.0 at 7:30 pm

November 26 – **Thanksgiving Holiday**

Nov. 27-29 – **CQ Worldwide DX Contest, CW** from 7 pm Friday to 6:59 pm Sunday. See <http://www.cqww.com/rules.htm>

November 28 – **GSARA VE Test Session** at 11 am at the Red Cross in Tinton Falls. See Rich Bilon, N3RB at 732-972-1397 or 4332lee@gmail.com

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

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1 InfoAge	2 ARES/RACES 7:30	3 W2UTR OBARC GSARA Net 8:30 QCWA News 9 PM	4 CW Qual. Run GSARA Mtg.	5 HCARC Mtg.	6	7 W2OKM ARRL SS, CW
8 KG2NV ARRL SS, CW InfoAge	9 RACES Net 7:30	10 GSARA Net 8:30 QCWA News 9 PM	11 Hol. City VE	12 JSARS Mtg.	13	14 OMARC Mtg CQ WE
15 CQ WE InfoAge	16 KB2USF ARES/RACES 7:30	17 GSARA Net 8:30 QCWA News 9 PM	18 K2EPD KD2JKM CW Qual. Run GSARA Mtg.	19 JSARS VE	20	21 ARRL SS SSB
22 KD2IEC ARRL SS SSB InfoAge	23 ARES/RACES 7:30	24 GSARA Net 8:30 QCWA News 9 PM	25 KD2FOI KC2VIN	26 W2KQ Thanksgiving	27 CW WW CW	28 GSARA VE 11am CW WW CW
29 CW WW CW	30 RACES Net 7:30					



G.S.A.R.A.
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FIRST CLASS