



THE PROPAGATOR

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

SEPTEMBER 2016

UPCOMING GSARA MEETINGS

The next GSARA meeting will be on **Wednesday, September 7 at 7:30 PM** at the Red Cross. The program will consist of a series of film clips using Morse code presented by Blair Hearth, KD2EPA. The challenge will be to determine what, if anything, is being sent. Light refreshments will be served and guests are welcome.

The second meeting in September will be held on **Wednesday, September 21 at 7:30 PM** at the Red Cross. This will be a regular business meeting. Refreshments will be served.

GSARA NET 8:30 PM TUESDAYS

GSARA members meet on the Asbury Park repeater every Tuesday at 8:30 pm. In the 4 sessions in August (there was no net on August 2) we had 27 check-ins for an average of 6.75 per session. The following 11 members checked into this net (number of check-ins in parenthesis):

N2HGI (4), KD2LLJ (4), W2OD (4), K2ARK (3), WB2RPW (3), KA2F (2), K2REM (2), KC2YNL (2), N2BMK (1), W2LAF (1) and WA1PCY (1).

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

VE TEST SESSION SEPTEMBER 18

The GSARA monthly test session will be held at the Hamfest on Sunday, September 18 at 11 am. 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.

FALL HAMFEST SEPTEMBER 18

Mark your calendars now for the GSARA Fall Hamfest coming Sunday, September 18, 2016. It will be in the same location as previous years – the MOESC parking lot on the corner of Tornillo Way and Shafto Road in Tinton Falls. Vendors can set up at 7 am with no charge for the first space with purchase of a \$5 per person admission ticket. We open to buyers at 8 am with \$5 admission per person.

A VE test session starts at 11 am. Food and hot and cold beverages are available for sale. There will be QSL card checking as well as 50/50s and door prizes.

For additional information and pre-registration contact Rem Hunnewell, K2REM at 732-889-6692 or e-mail to HAMFEST@gardenstateara.org or visit <http://www.gardenstateara.org/hamfest> for more information.

HEALTH & WELFARE

Alan Sherman, W2NIR is slowly recovering from a serious bout with pneumonia that left him very weak. He just got out of rehab and hopes to be back in circulation by October.

Bill Shockley, NJ2H is recovering from heart surgery. We wish him a speedy recovery

MORSE CODE IN THE MOVIES

The September 7 meeting will feature our own Blair Hearth, KD2EPA who will present excerpts from 17 movies that have Morse code on the soundtrack. He will ask those members of the audience who can copy CW to determine whether actual Morse code was sent or was it just dahdididit dididit. Come to the meeting to find out.

GSARA OFFICERS

President	W2HTS	Howard Suffill	460-1885
Vice Pres.	K2REM	Rem Hunnewell	889-6692
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	Open		
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 back left corner 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

Rem, K2REM is actively planning our Fall Hamfest on Sunday, September 18 at our usual site (see page 1). By not charging vendors for the first tailgate space (except for the \$5 admission), we should have a large number of vendors and thus a great variety of goodies for sale. Hopefully, this will attract a good turnout of buyers and make the Hamfest a success as it was in the spring. Plan to attend and to help out if you can. Let's make this one bigger than ever!

We wish a speedy recovery for Alan Sherman, W2NIR as he recovers from a serious bout of pneumonia (see page 1). At age 80, Alan is still doing half-marathons. Let's hope that with therapy and determination, he can get his strength back.

The program for the September 7 meeting should be interesting. Blair, KD2EPA has found Morse code excerpts from movies (see page 1). We'll get a chance to view the excerpts and figure out what was being sent by Morse code.

GSARA continues to attract new members with four more joining in August (see page 4). This brings our total roster up to 88 members – the most in several years. Please extend a warm welcome to any that you meet at a meeting.

The letter published in the Two River Times on August 18 was a complete surprise (see page 6). We should have included a little more background about amateur radio but then maybe that would have made it too long to be published.

Congratulations to John, KA2F for working 100 DXCC countries in less than 3 months using a vintage vacuum tube CW Heathkit transmitter and receiver (see page 7). I'm sure that WAS is not far behind.

The OMARC operation on Sandy Hook for the Lighthouse weekend on August 20 had a good turnout of OMARC members (see page 8). Unfortunately, band conditions were lousy so contacts were tough to make.

Listen for YX0V on Aves Island (see page 8). This will be a new one for most of us.

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

73 de Bob, w2od@arrl.net

MINUTES OF AUGUST 3 MEETING

By Rem, K2REM; John, KA2F and Hunter

President Howard Suffill, W2HTS called the meeting to order at 7:40 pm. There were 16 members and 3 guests present. The guests were David Downie and his sons Ronan and Jake who are interested in becoming radio amateurs. After the pledge to the flag, all present introduced themselves and commented on recent amateur radio activities.

Health and Welfare

Ralph, KC2YNL is doing much better and was at the meeting.

New Member

An application for membership was received from Bill Polvino, KD2LPN from Tinton Falls. Bill recently received his Technician license and is interested in learning more about amateur radio and emergency communications. A motion was made by Ralph, KC2YNL and seconded by Rem, K2REM to make Bill an active member of GSARA. The motion passed unanimously.

New Business

August 23, 2016 is the 100th birthday of Bob Morris, the original holder of W2GSA. John, KA2F made a motion to purchase a plaque to be placed on the grave of Bob Morris to say "Bob W2GSA ham radio operator". The plaque is to cost no more than \$150 and will need to be approved by the Morris family. The motion was seconded by Len, WA1PCY and passed unanimously.

Joe, W2KQ thought that a memorial plaque should be hung on the tower/trailer to state that it was donated by Mike, W2EXQ-SK. A motion was made by Ralph, KC2YNL and seconded by Hunter to spend no more than \$150 for such a plaque. The motion passed unanimously.

Program

Bob, W2OD was absent so the program on Phone Operating Ethics was postponed.

Close

The door prize of \$16 was won by Blair, KC2EPA who donated it back to the Club. Thank you Blair. There being no further business, a motion was made by Art, N2AJO to adjourn the meeting which was closed at 8:35 pm.

MINUTES OF AUGUST 17 MEETING

By Bob Buus, W2OD, Secretary

President Howard Suffill, W2HTS was absent so the meeting was called to order by Vice President Rem, K2REM at 7:31 PM at the Red Cross. There were 10 members and one guest present. The guest was John Paulson, KD2LLJ from Spotswood, NJ. After the pledge to the flag, all present introduced themselves and briefly described their recent amateur radio activities. Jeff, N2JFL is awaiting his new call sign with his Extra class upgrade.

New Members

An application for membership with payment of \$10 was received from John Paulson, KD2LLJ from Spotswood, NJ. John recently obtained his Technician license and is planning to sit for his General on August 27. He has been a regular participant at the GSARA Tuesday roundtable net.

Applications for family membership with payment of \$14 were received from Jake Downie and his brother Ronan Downie from Fair Haven. Both are students interested in obtaining their amateur radio licenses. Jake is interested in computers and horseback riding and Ronan is into sailing and rock climbing.

A motion was made by Art, N2AJO and seconded by Joe, W2KQ to accept these three members into the GSARA. The motion passed unanimously.

Secretary's Report

Based on notes he received from Rem, K2REM; John, KA2F; and Hunter Suffill; Secretary Bob, W2OD read the minutes of the August 3 meeting as they will be published in the September Propagator. A motion was made by Joe, W2KQ and seconded by Art, N2AJO to accept the minutes as read. The motion passed unanimously.

Treasurer's Report

Treasurer John King, KA2F was absent so there was no Treasurer's report.

Cabinet Meeting Report

Bob, W2OD attended the Hudson Division NNJ Section Cabinet meeting held in Parsippany, NJ on Saturday, August 13. His report, shown on page 5 was summarized at the meeting.

Announcement

The radio room at the Red Cross will be open next Saturday from 10 am to 2 pm thanks to Len, WA1PCY.

Hamfest Committee

Rem, K2REM reported that the fall Hamfest will be on Sunday, September 18 at our usual location at the MOESC parking lot. He had flyers available for anyone to take to upcoming hamfests. He is still looking for workers in GSARA to help out.

Close

In lieu of a 50-50 door prize, Rem, K2REM donated \$10 and Joe, W2KQ donated \$5 to the GSARA. There being no further business, a motion was made by Jeff, N2JFL and seconded by Art, W2NAZ to close the meeting which was adjourned at 8:11 pm.

WELCOME NEW MEMBERS

Please welcome the following members:

John Paulson, KD2LLJ from Spotswood recently received his Technician license and passed his General at the August 27 VE session. He is on 2 meters and 440 and has been a regular check-in on our GSARA roundtable net on Tuesday nights. He is interested in phone and data on the amateur bands and is also into motorcycles. A member of the ARRL, he is a Senior Systems Engineer.

Bill Polvino, KD2LPN from Tinton Falls recently received his Technician license and is interested in learning more about amateur radio, upgrading to General and getting involved in emergency communications. He is in Pharmaceutical/Biotechnology and has applied for ARRL membership.

Jake Downie is a student in Fair Haven and studying for his Technician license. He is interested in computers and horseback riding.

Ronan Downie is also a student in Fair Haven studying for his Technician license. He is interested in sailing and rock climbing.

These new members have been added to our GSARA Roster (making 88 members) and copies of this latest Roster will be available at GSARA meetings. A warm welcome to all of them!

MATT BREGOFF, W2AOJ - SK

GSARA member Matt Bregoff, W2AOJ from Oakhurst became a silent key on Wednesday, August 3, 2016 at the age of 79. First licensed as a Novice in 1951 with the call WN2AOJ, Matt was one of the first Novices to be licensed. Within a year he had upgraded to General and held the Advanced license when he died.

Matt belonged to the Marconi Chapter 138 of QCWA and served as Treasurer of the Chapter from 2007 to the present. He joined GSARA in 2010.

Matt was pre-deceased by his first wife and is survived by his second wife, Sandy, Sandy's children and grandchildren, his daughter and her two children who live in Scotland.

A memorial service was held at the Fiore Funeral Home in Oakhurst on Monday, August 8 and four GSARA members attended.

UPCOMING DX

PACIFIC TOUR Operators Nob/JF2MBF and Ken/JA2FJP will activate five different islands in the Pacific between late August and mid-October. Activity will be on 160-10 meters using CW, SSB and RTTY. They will have a pair of IC-7300, an IC-706MK II G, a 500W linear amplifier and vertical antennas. Their tentative schedule, call signs and destinations are as follows:

8/25 - 9/3 -- VP6J from Pitcairn Island (OC-044)

9/8 - 9/19 -- E51Q from Rarotonga Island, South Cook (OC-013)

9/20 - 9/29 -- Call sign (TBA) Niue (OC-040)

10/4 - 10/10 -- T2J from Tuvalu (OC-015)

10/11 - 10/13 -- 3D2GG from Nadi, Fiji, (OC-016)

QSL via JF2MBF, direct, ClubLog's OQRS (Preferred) or LoTW. For Bureau QSLs they state, "No need to send your QSL. We'll send QSLs to the Bureau (one-sided QSLs) a year later or so for those who don't request via OQRS or direct. LoTW: All logs will be uploaded to LoTW at an appropriate time."

Art, N2AJO

NNJ SECTION CABINET MEETING

By Bob Buus, W2OD

The meeting was held on Saturday, August 13 in Parsippany. It was called to order at 9:35 AM by Mike Lisenco N2YBB, Hudson Division Director, who introduced himself and Bill Hudzik W2UDT, Vice Director. Other attendees then introduced themselves and the clubs/groups they represented. There were about 25 people present.

BOARD OF DIRECTORS MEETING: N2YBB gave a brief review of the July ARRL Board meeting. The main agenda items are discussed below.

NATIONAL TRAFFIC SYSTEM: The Executive Committee of the ARRL Board of Directors relieved ARRL Eastern Pennsylvania Section Manager Joe Ames, W3JY, of his appointments in the ARRL Field Organization, including his position as Chairman of the ARRL National Traffic System™ (NTS™) Eastern Area. In addition, the Executive Committee voted to declare the Eastern Pennsylvania Section Manager position vacant, effective immediately.

The decision by the Executive Committee results from a determination that Ames unilaterally and repeatedly communicated with officials of the Federal Emergency Management Agency (FEMA) on behalf of NTS, making commitments on behalf of ARRL without authority and in violation of the rules and regulations of the ARRL Field Organization. Those actions were contrary to the terms of the *Memorandum of Understanding* between FEMA and ARRL, which states clearly that ARRL Headquarters staff will be the single point of contact between FEMA and ARRL.

The ARRL Programs and Services Committee (PSC) then appointed George W. "Bud" Hippisley, W2RU (ex-K2KIR), as the new Eastern Area Chair for the ARRL National Traffic System (NTS) for a 2-year term, effective immediately.

And then things escalated into big problems. There is a pending lawsuit, a breakaway group called Radio Relay International was formed to replace the NTS, ARRL CEO Tom Gallagher, NY2RF sent a heavy-handed e-mail that went public and feelings are running high. Mike, N2YBB hopes that after things calm down, the ARRL will look at the entire emergency

communications structure to try to get more amateur radio participation as FEMA would like to see. We'll just have to wait and see what happens.

LEGISLATIVE ACTIVITY: N2YBB talked about progress being made on the Amateur Radio Parity Act Bill. The Home Owners Associations and ARRL have agreed on new wording for the Bill so there is no opposition to it. It is hoped that the House will vote on this in September and pass it since there is no opposition and it is revenue neutral. It then goes to the Senate which must consent with 100% support. This may require a massive e-mail campaign from all amateurs to all 100 Senators to get it through.

JAMMING AND ENFORCEMENT: Enforcement is clearly not a priority at the FCC since Riley Hollingsworth with the FCC closing Field Offices and cutting staff. There has been a big problem in New York with repeater jamming. One of the jammers in Queens was caught jamming the police radios and is serving time in jail. However, jamming continues (on a lower scale). One of the problems is that inexpensive Chinese-made radios can be purchased by anyone at a low price and can easily be programmed for amateur and Public Service frequencies. N2YBB thinks that the ARRL OO program should be revised to be more helpful to the FCC in enforcement.

AWARDS LUNCHEON: N2YBB made a plug for the upcoming Hudson Division Awards Luncheon to be held on Saturday, November 5 in Newburgh, NY. Nominations can be made until August 22. This luncheon raises \$4000 to \$5000 per year for the ARRL. Clubs are encouraged to take out ads in the program booklet. Tickets are \$37 per person.

CLOSE: N2YBB announced that new ARRL CEO Tom Gallagher, NY2RF will be the keynote speaker at the next Ham Radio University seminars in Long Island.

The meeting was closed at 11:23 AM.

GSARA FALL HAMFEST SEPT. 18

Don't forget the GSARA Hamfest coming Sunday, September 18 at our usual location (see page 1). Rem, K2REM still has plenty of unfilled slots for volunteers. If you can help for even an hour or so, please let Rem know at 732-889-6692.

TWO RIVER TIMES LETTER

When the proposed letter to the Two River Times was read at the July 20 GSARA meeting, some suggested that we add more background information about GSARA and amateur radio in case the letter is published. Both Len, WA1PCY and I, W2OD thought that the letter was simply to commend the reporter, Jay Cook for an outstanding job with no intent that it would be published. Well, we were wrong. The letter appeared on page 8 of the August 18 issue of the Two River Times as follows:

Ham Radio Operators Send Feedback

The Garden State Amateur Radio Association would like to thank the Two River Times for the coverage of our annual ARRL Field Day event.

The article and pictures by your reporter Jay Cook were outstanding. He made our rather technical hobby quite understandable to your readers. But more importantly we were very impressed with Mr. Cook's grasp of our hobby, why we enjoy it, and made it understandable to others.

His ability to interview so thoroughly without intruding, his quick study of the subject and his skillfully relating it in an entertaining and interesting manner to others demonstrates what competent professionals you must have in your organization.

Our thanks again to the TRT and Mr. Cook for the much appreciated coverage.

*Robert Buus, Holmdel
Garden State Amateur Radio Association*

CY, K2CYS IN SEPTEMBER QST

By Bob Buus, W2OD

If you haven't done so already, please note the excellent lead letter in the September QST (page 24) written by our own Cy Stanway, K2CYS documenting his struggle to obtain WAS using SSTV. This well-written letter shows Cy's struggle to obtain this difficult award and the satisfaction in actually accomplishing his goal.

Congratulations to Cy for obtaining WAS on SSTV and for getting his letter published in QST!

NEW ANDROID APP FOR QST

A completely rebuilt digital *QST* app for the Android platform now is available from publisher Nxtbook Media, which responded to readers' frustrations about getting the app to work properly. Members who have enabled automatic updates on their devices will not have to do anything; the application will update automatically. Readers who have automatic updates turned off can obtain the new version by visiting the [Google Play Store](#). Functionality in the new app remains the same, although the layout is slightly different -- displaying the most recent magazine at the top and two or three books per row instead of in a single column. Download times should be faster as well. For optimal performance, it is recommended that Android users have the latest Android operating system, *Marshmallow* 6.0.

From *The ARRL Letter*, August 11, 2016

HAMVENTION SITE DEEMED FINE

[DX Engineering](#) Chief Operating Officer Tim Duffy, K3LR, says he's enthusiastic about the new Dayton Hamvention® venue at the Greene County Fairgrounds in Xenia, Ohio -- both as a vendor and as an individual radio amateur. DX Engineering recently produced a short [video tour](#) of the new Hamvention location, which includes an interview with Hamvention spokesperson Mike Kalter, W8CI.

"I can tell you that I have been hearing from all over the world a sigh of relief after [people] see the video we did at the Fairgrounds," Duffy told ARRL. "The new venue is huge, and it is clean -- it will be perfect for Hamvention." Duffy said he likes the Greene County Fairgrounds so much that he thinks that Hamvention will be even better at its new site than it had been for the past 10 years or so at Hara Arena in Trotwood, Ohio.

In the approximately 8-minute video, Kalter, who is DARA's treasurer, said he was happy that Duffy, as a Hamvention vendor, could see the new venue firsthand. "We consider this a collaboration," Kalter told Duffy.

Kalter expressed the hope that DARA will be able to take Hamvention to "a whole new level" at its new location.

From *The ARRL Letter*, August 25, 2016

WHO DISCOVERED OHM'S LAW?

By Bob Buus, W2OD

By the 1820s, the Voltaic pile was commonly used to produce steady (dc) current at a voltage determined by how many cells were in the pile (see p. 7 of June 2016 *Propagator*). Also at this time, the tangent Galvanometer was commonly used to accurately measure current flow (see p. 7 of August 2016 *Propagator*). The time was ripe for someone to discover the relationship between the voltage across and the current through a resistor load. That person was a German mathematician named Georg Simon Ohm (b. 1789 – d. 1854)

Ohm received his Doctorate in Mathematics from the University of Erlangen in 1811. He obtained a post to teach physics and math at the Jesuit Gymnasium in 1817. This school had a well-equipped physics lab with Voltaic piles and tangent Galvanometers which Ohm started experimenting with. Using various lengths and diameters of iron and copper wires, Ohm tried to measure the relationship between the applied voltage and the resulting current through the wires. There were many problems to be overcome. Since the wires used for the “resistors” had low resistance, the resulting high current, even when using a single Voltaic cell, caused the cell voltage to drop significantly when the wire was placed across the cell. Furthermore, the high current heated the wire so the measured current decreased with time.

The breakthrough came when Ohm learned that two wires of dissimilar metals twisted together produced a small voltage across the junction when heated. This is what we now call a thermocouple and it produced a constant small voltage when heated to a specific temperature. Using a thermocouple source, Ohm was able to use much lower voltages and hence much lower currents though his “resistance” wires and reduce the heating effect as well as the source voltage drop with current. He then verified the linear nature between voltage and current with resistance being the proportionality constant. This was published in 1827 in a paper by Ohm entitled “*The Galvanic Circuit Investigated Mathematically.*”

Ohm's paper was not well received by the scientific community. His math was complicated and hard to follow but his results were so simple

that many thought it obvious without need for the math. The Jesuit Gymnasium did not think the paper worthy of the school so Ohm was encouraged to find other employment and transferred to a position at the Polytechnic School of Nuremberg in 1833. Only after Kirchhoff published calculations of resistor networks using “Ohm's Law” did it become accepted as a significant contribution and Ohm lived to see fame with his law.

But the story doesn't end here. In the 1870s, the brilliant British mathematician James Clerk Maxwell was going through the 100 year-old papers of Henry Cavendish (who is famous for accurately measuring the mass of the earth) and found that Cavendish had discovered “Ohm's Law” in 1781 – 8 years before Georg Ohm was even born. And Cavendish did it the hard way using Leyden jars with static charges, a series of glass tubes of varying diameter and length filled with salt solution for “resistors” and using his own body to measure the “kick” when discharging the Leyden jars through various resistors and his own body. Technically, it should be called “Cavendish's Law” and the unit of resistance the “Cavendish” but that's too awkward to pronounce so we'll stick with Ohm. So now you know.

ANOTHER DXCC FOR KA2F

After 78 days of hunting DX with my old HW-16 and HG-10 VFO, I have QSOed DX country number 100, T77C in San Marino, on 40 and 20 meters. All praise Heathkit !!!

Now I still have to QSO ND, NE, and OR for HW-16 WAS and that could prove more difficult than DXCC.

73 John, KA2F

FOR SALE

From the estate of Harry Polhemus, KN2B:

Icom IC-27H 2 meter mobile rig.
Yaesu VX 170 2 meter HT, with charger.

Best offer.

Please contact Ed Piotrowski, WB2KCV
732-946-3474
EDWARD322@verizon.net

OMARC AT SANDY HOOK

OMARC operated K2USA on 80, 40 and 20 meters at the Sandy Hook Lighthouse during International Lighthouse Weekend on August 20. Here are two of the many pictures taken by Ken Barber, W2DTC:



John, KA2F working some CW at Sandy Hook



OMARC President Art, W2NAZ checking that all is going well at the Sandy Hook Special Event

AVES ISLAND ON THE AIR

An unexpected invitation from the Venezuelan Navy gave rise to a DXpedition later this month to Aves Island -- Isla de Aves -- currently number 17 on the ClubLog [DXCC Most Wanted List](#). The departure date for the [YX0V Aves Island DXpedition](#) has been moved up by a few days. The team now will depart Caracas on Saturday, August 27. The YX0V team will include 14 operators.

The group will be on the air for up to 10 days as YX0V, with the full support of the Navy. Tiny Aves Island is situated west of the Leeward Islands. It's only about 1200 feet long and some 150 feet wide. -- *Thanks to [The Daily DX](#) for some information*

From *The ARRL Letter*, August 18, 2016

TEN YEARS AGO

From the September 2006 Propagator: Access to Fort Monmouth is being simplified with the issuance of a yellow card good for a year. The vanity fee is dropping from \$21.90 to \$20.80. A Chinese jammer, dubbed "Firedragon" has been on 14.260 for some time and seems to have moved to 14.050. It transmits Chinese music continuously. ARRL is gearing up for their first on-line auction in October.

FIFTEEN YEARS AGO

From the September 2001 Propagator: Roy Jacques, KS2B became a silent key on July 26 at the age of 65. The GSARA Hamfest at the Red Cross on September 16 is cancelled. Gene Niemiec, K2KJI made a presentation at the July 18 meeting about the Icom 706 MK II G. Bill Hudzik, W2UDT is the new NNJ SM and was a guest at the August 15 meeting. He presented GSARA with a framed certificate commemorating 50 years of GSARA affiliation with the ARRL. The August 15 program was by Joe Cramer, N2XYZ talking about the battleship New Jersey and its station NJ2BB. The FCC is accepting comments on opening 5.250 to 5.400 (60 meters) to amateur radio use.

TWENTY YEARS AGO

From the September, 1996 Propagator: The GSARA picnic at Fireman's Field in Ocean was a big success with 35 attendees. New RF Safety standards go into effect January 1, 1997. Bob, W2OD was elected Director of National QCWA. The special event station from Sandy Hook lighthouse went well with about 350 QSOs. The August 21 program featured Ken, N2SMT demonstrating ATV through the Brookdale repeater. Walter, W2HOZ changed his call to KZ5WP (SK).

THIRTY YEARS AGO

From the September 1986 Propagator which was only a single page: Nets meet on the non-meeting Wednesdays. The second Wednesdays start with CW on 28.175 at 7:30 followed by SSB on 28.850 at 8:00. On the fourth Wednesdays, it is CW on 28.175 at 7:30 followed by FM on 147.585 simplex at 8:00.

NOTES ON CALENDAR (see next page)

Large Call letters denote birthdays e.g. **N2AJO** September 15. All times are EDST. Contests are listed in the September QST, p. 92.

September 1 - **HCARC meeting** at 7 pm at Holiday City South Clubhouse in Toms River.

September 2 and every Friday – **Lunch at the Blue Swan Diner** in Ocean at noon. Table at back left.

Sept. 2-4 – **All Asian DX Contest, Phone** from 8 pm Friday to 7:59 pm Sunday. See <http://www.jarl.org/English>

September 2 - **W1AW Qualifying Run** at 10 pm (10-35 wpm). See September 2016 QST page 99 and www.arrl.org/qualifying-run-schedule

September 4 and every Saturday, Sunday and Wednesday – **InfoAge Marconi Hotel** open from 1 to 5 pm on Marconi Road in Wall.

September 5 – **Labor Day**, no ARES Net at 7:30 pm

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

September 6 – **Old Barney ARC Meeting** at 7:30 pm in Manahawkin, NJ. See <http://www.obarc.org>

September 6 and every following Tuesday – **GSARA Net** on 147.045 PL=67 at 8:30 pm.

September 6 and every following Tuesday – **QCWA News Net** on 147.045 PL=67 at 9:00 pm.

September 7 – **GSARA Program Meeting** at 7:30 pm at the Red Cross. Program features our own Blair Hearth, KD2EPA showing excerpts of movies containing Morse code (see page 1). Light refreshments will be served.

September 8 – **JSARS meeting** in Riverwood Park Rec. Building, Rt. 527 and Riverwood Drive at 7:30 pm.

Sept. 9-11 – **All Europe DX Contest, SSB** from 8 pm Friday to 7:59 pm Sunday. See <http://www.darc.de/referate/>

September 10 – **OMARC Meeting** at 9:00 am at the Diana Site on Marconi Road in Wall. Guests welcome.

Sept. 10-11 – **ARRL VHF Contest**, all modes, 50 MHz and up from 2 pm Saturday to 11 pm Sunday. See <http://www.arrl.org/september-vhf>

September 12 - **Monmouth County RACES Net** meets on 147.045 +600, PL=67.0 at 7:30 pm.

September 14– **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

September 14– **W1AW Qualifying Run** at 7 pm (10-35 wpm). See September 2016 QST page 99 and <http://www.arrl.org/qualifying-run-schedule>

September 15– **JSARS VE Test Session** at 7:00 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.

Sept. 17-18 – **New Jersey QSO Party**, CW & SSB from noon Saturday to 4 pm Sunday. See <http://www.k2td-bcrc.org/njqpp>

September 18 – **GSARA Hamfest** in Tinton Falls. Vendors at 7 am, buyers at 8 am, VE at 11 am. See p. 1.

September 18 – **GSARA VE Test Session** at 11 am at the GSARA Hamfest in Tinton Falls. See page 1.

September 19 - **Monmouth County ARES Net** meets on 147.045 +600, PL=67.0 at 7:30 pm

September 21 – **GSARA Meeting** at 7:30 pm at the Red Cross in Tinton Falls. Regular business meeting.

Sept. 23-25 – **CQ WW RTTY DX Contest** from 8 pm Friday to 7:59 pm Sunday. See <http://www.cq-amateur-radio.com>

September 26 – **Monmouth County RACES Net** meets on 147.045 +600, PL=67.0 at 7:30 pm.

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1 HCARC Mtg.	2 Blue Swan lunch All Asian DX CW Qual. Run	3 All Asian DX
4 All Asian DX InfoAge	5 Labor Day	6 OBARC GSARA Net 8:30 QCWA News 9 PM	7 GSARA Mtg	8 JSARS Mtg	9 Blue Swan lunch All Europe DX	10 OMARC Mtg All Europe DX ARRL VHF
11 All Europe DX ARRL VHF InfoAge	12 RACES Net 7:30	13 GSARA Net 8:30 QCWA News 9 PM	14 CW Qual. Run Hol. City VE	15 N2AJ0 JSARS VE	16 Blue Swan lunch	17 NJ QSO Pty
18 NJ QSO Pty GSARA Hmfst GSARA VE Test InfoAge	19 N2UUS ARES/RACES 7:30	20 GSARA Net 8:30 QCWA News 9 PM	21 GSARA Mtg.	22	23 Blue Swan lunch CQ WW RTTY	24 NA SSB QSO CQ WW RTTY
25 KD2HUE WB2RPW CQ WW RTTY InfoAge	26 RACES Net 7:30	27 GSARA Net 8:30 QCWA News 9 PM	28	29 KC2YWL	30 N2VFK Blue Swan lunch	



G.S.A.R.A.

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FIRST CLASS