



THE PROPAGATOR

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

JUNE 2011

UPCOMING GSARA MEETINGS

The next regular meeting of the GSARA will be held on **Wednesday, June 1 at 7:30 PM** at the **American Red Cross** in Tinton Falls. This will be a regular business meeting. Guests are welcome and refreshments will be served. Please try to attend.

The second meeting in June will be held on **Wednesday, June 15 at 7:30 PM** at the Red Cross. This meeting will feature using our logging program and any last minute planning for Field Day. As always, guests are welcome and refreshments will be served.

WELCOME NEW MEMBER TO GSARA

Please welcome back to the GSARA former member Steve Wolkovitz, W2DAD. Licensed since 1987, Steve holds a General class license. He is active on all bands with his IC-706, TS-440SAT, and SB-220. He is an engineer at AT&T. Other interests include jogging and photography. Please update your roster with the following information:

W2DAD, Steve Wolkovitz
655 Laurel Avenue
Holmdel, NJ 07733
732-500-1589
stevenwchai@gmail.com

PUBLIC SERVICE EVENTS

The Sheehan Classic Run in Red Bank will take place on Saturday morning, June 18.

The Red Bank Area CROP Walk takes place on Sunday, October 16. Registration begins at 12:30 and the walk begins at 1:30 PM.

If you can volunteer to help out with any of these events, please contact Tom Cosgrove, N2VFK at 732-842-6020 or n2vfk@verizon.net

GSARA SHIRTS TO BE ORDERED

It looks like there might be enough interest to place another order for the bright yellow GSARA shirts. If you are interested in purchasing one, please contact Frank, W2XYZ giving your name, call and size. There is no payment required until the shirts are delivered. Frank can be reached at frankw@optonline.net or 732-942-7705.

W2GSA STATION OPEN SATURDAYS

The GSARA radio room at the Red Cross will be open Saturday afternoons for those wishing to operate or just "hang out". Go around the building to the back door for entrance. If you want to check to be sure that someone is there, call 732-493-9100 ext. 1252 which is the phone in the radio room.

GSARA HAMFEST SUCCESSFUL

The GSARA Hamfest on May 7 was a success by any measure. The weather was nearly perfect and we had a good mix of sellers selling a wide variety of gear. The Copps did an excellent job in providing the food. We could have accommodated more buyers so we should explore ways of getting bigger attendance.

Hats off to Joe, W2KQ for coordinating this event and to all of the volunteer workers who helped make it a success.

GSARA HOMEPAGE

<http://www.gardenstateara.org>

HUDSON DIVISION HOME PAGE

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

Google is actually the common name for a number with a million zeros.

GSARA OFFICERS

President	W2XYZ	Frank Wroblewski	942-7705
Vice Pres.	W2HTS	Howard Suffill	460-1885
Secretary	W2OD	Bob Buus	946-8615
Treasurer	W2KQ	Joe Dreifuss	493-4236
Engineer	N2LXM	Jeff Harshman	922-0816
Webmaster	KC2TKK	Josh Gluck	
Publicity	NJ2H	Bill Shockley	207-4466
Trustees	KG2NV	Don Pingitore	229-2925
	W2OD	Bob Buus	946-8615
	W2HAM	Lou Russo	842-6431

PROPAGATOR AVAILABLE BY E-MAIL

Would you like to help the finances of GSARA and at the same time get your issue of *The Propagator* a few days earlier? You can get every issue e-mailed to your computer every month by simply giving your e-mail address to Josh Gluck, KC2TKK and request *The Propagator* electronically. Josh's e-mail address is <kc2tkk@gardenatateara.org>.

BADGES AND PATCHES

If you would like a GSARA name badge, you may order one by getting a Badge Order Form from our Secretary, **Bob Buus, W2OD**, filling it out and turning it in to Bob with your \$7.00 payment.

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

OUTGOING QSL CARDS

If any GSARA members wish to combine their QSL cards that are going through the outgoing ARRL Bureau, please bring them to the next GSARA meeting along with the label from a recent QST Magazine (you must be an ARRL member to participate in this program). We then send them as a group at no charge to GSARA members. It couldn't be much easier than that to QSL. You are registered at the W2 incoming bureau, aren't you?

PROPAGATOR NOW ON THE WEB

The *Propagator* is available as a PDF file at:

<http://www.gardenstateara.org>

Click on "The Propagator" and then select the month you want.

EDITOR'S NOTES

The Hamfest on Saturday, May 7 worked out very well and was successful thanks to the efforts of so many volunteers. The weather was as close to perfect as we would want and the food was excellent thanks to the efforts of Annie and Ted. We could have used a few more sellers (although KJI had a very impressive presence) and certainly more buyers would have been welcome. We're ready to try it again on September 10 (see p. 6) and hope to attract more buyers by letting in a whole carload for \$5 and also offering some free admittance coupons (details to follow).

Field Day is next on the weekend of June 25-26. We will be at the Red Cross for the first time this year so we will have some new challenges in putting up antennas. As always, we need plenty of volunteers if we expect to stay on the air for the entire 24 hours so consider helping out if you can. We will also have a chance to play with the logging program at the June 15 meeting. Please plan to attend.

The rain on Wednesday, May 18 kind of ruined my plans to give GSARA members a chance to practice finding a hidden transmitter. Frank made a good suggestion in proposing that we hide the fox somewhere on the Red Cross property on Field Day and invite anyone interested to try their hand at finding it. We'll have some antennas and attenuators available but you might want to bring your own HT (with BNC antenna connector) so you're familiar with the receiver controls.

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

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

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

73 de Bob, w2od@arrl.net

MINUTES OF APRIL 20 MEETING

By Bob Buus, W2OD, Secretary

Note: These Minutes were inadvertently omitted from the May Propagator.

President Frank Wroblewski, W2XYZ called the meeting to order at the Red Cross at 7:43 PM. There were 20 members and two guests present. Guests were Vice Rosati, KE2V from Oakhurst and Bob Fulmer, WB2HHE from Farmingdale. After the pledge to the flag, all members introduced themselves.

Guest Speaker

Guest speaker was Gale McNamara, retired from Bell Labs who gave a talk about undersea cables. He gave a brief history starting with the early telegraph cables of the 19th century, progressing to the voice cables of the 1950s and 60s and then on to the optical cables currently used throughout the world. All non-optical systems have been taken out of service as the current capacity exceeds the demand. Gale closed his talk by answering various questions from the audience.

Closing

The 50-50 of \$19 was won by Ted, K2KPS. There being no further business, a motion was made and seconded to close the meeting. The motion was accepted unanimously and the meeting adjourned at 9:20 PM.

MINUTES OF MAY 4 MEETING

By Bob Buus, W2OD, Secretary

President Frank Wroblewski, W2XYZ called the meeting to order at the Red Cross at 7:30 PM. There were 17 members present. After the pledge to the flag, all members introduced themselves.

Secretary's Report

A motion was made by Jeff, N2LXM and seconded by Tom, N2VFK to accept the minutes of the April meetings as published in the May Propagator. The motion was accepted unanimously.

Treasurer's Report

Treasurer Joe, W2KQ presented the treasurer's report. A motion was made by Jeff, N2LXM and seconded by Ralph, KC2YNL to accept the report. It was accepted unanimously.

Old Business

Field Day is coming on June 25-26. GSARA plans to set up and operate on the Red Cross Property. Antennas have not yet been decided upon but we may string wires in the trees for 80 and 40 and use the crank-up tower on the higher frequency bands.

The crank-up tower on the trailer needs work before it can be used on Field Day. Saturday, May 28 has been set as a work day to wire brush (or sand blast) the tower and get it painted. Jeff, N2LXM volunteered to bring wire brushes, emery cloth, and saw horses for this job. Members are invited to show up and help.

GSARA is planning on running a one-day Technician class at the Red Cross on one of the last three Saturdays in July (July 16, 23, or 30).

Hamfest

The GSARA Hamfest is coming on Saturday, May 7. Bill, WA2DND donated a wire recorder used by Lowell Thomas and several boxes of tubes and meters to be sold at the Hamfest.

GSARA has purchased two Wouxan dual-band HTs to be raffled at the Hamfest. It was decided to sell no more than 25 tickets at \$10 each for each radio.

Volunteers are asked to try to be at the Hamfest by 5:30 am or as early as possible. All are asked to wear their GSARA shirts if they have one.

Door prize donations were made by Cheap Ham, ARRL, and Amsat. KJI Electronics will be the largest dealer at the Hamfest.

Andrea, N2LAL reviewed how she planned to handle the food at the Hamfest. Clearly, the kitchen is well under control.

Volunteer workers at the Hamfest can donate their time to whatever organization they chose (GSARA, NJDXA, NARC, etc.).

New Business

The W2GSA packet repeater on 223.48 MHz went down. Ralph, KC2WAD has ordered a replacement 220 transceiver to fix the problem. GSARA has offered to pay for the new rig. (Subsequent to the meeting, Ralph found a cable unplugged as the cause of the problem and it has been fixed.)

Public Service

The MS170 is coming up on May 21-22 and Tom, N2VFK needs more volunteers, especially in Ocean

County. If you can help either or both days, please contact Tom.

There will be a state-wide hurricane drill by the Red Cross on Saturday, June 11 from 9 am to 3 pm. Two shelters will be opened, one at Brookdale College.

The Sheehan run is coming on June 18 in Red Bank. Contact Tom if you can help with the communications.

GSARA has been asked to provide communications for the Twin Lights Bike-a-thon on Sunday, September 25 from 7 am to 5 pm.

Closing

The 50-50 of \$15 was won by Ray, W2NXG. A second prize of a Field Day mug was won by Jeff, N2LXM. There being no further business, a motion was made by Tom, N2VFK and seconded by Ted, N2KPS to close the meeting. The motion was accepted unanimously and the meeting adjourned at 8:50 PM.

MINUTES OF MAY 18 MEETING

By Bob Buus, W2OD, Secretary

President Frank Wroblewski, W2XYZ called the meeting to order at the Red Cross at 7:44 PM. There were 21 members and one guest present. The guest was Joe Cadarett, KD2AAU from Union Beach. After the pledge to the flag, all members introduced themselves.

Health and Welfare

Ray, W2NXG is in the hospital getting a cauterization. We wish him a speedy recovery.

Hamfest

Joe, W2KQ gave a brief summary of the Hamfest. Total income after expenses was \$890.04 of which GSARA received \$741.70, and NARC and JSDXA each received \$74.17.

The next GSARA Hamfest will be on Saturday, September 10, 2011.

New Member

An application for membership was received from past GSARA member Steve Wolkovitz, W2DAD from Holmdel. Licensed since 1987, Steve holds a General class license and is active on all bands. An engineer at AT&T, he is also

interested in jogging and photography. By unanimous vote, Steve was voted into the GSARA.

Public Service

Tom, N2VFK is still looking for operators to help on the MS170 bike-a-thon. Contact him if you can help.

Guest Speaker

Guest speaker was Bob, W2OD who gave a talk about radio direction finding or fox hunting. He brought a two-meter transmitter and showed how to track it down with the tape measure antenna and an attenuator as well as using a Time Difference of Arrival direction finder. He had hoped to hunt down the hidden transmitter outside but the weather was raining so that part of the demonstration was postponed to another time.

Closing

The 50-50 of \$17 was won by Don, KG2NV. A second prize of an ARRL Handbook was won by Jeff, N2LXM. There being no further business, a motion was made by Tom, N2VFK and seconded by Jeff, N2LXM to close the meeting. The motion was accepted unanimously and the meeting adjourned at 9:11 PM.

BEN STEVENSON, W2BXA - SK

Ben Stevenson, W2BXA, of Colonia, New Jersey, passed away on May 5, 2011. He was 97. An ARRL member since 1934, Stevenson was also a charter member of the North Jersey DX Association (**NJDXA**) since 1957, serving as its first president. Stevenson held Satellite DXCC #1, Mixed DXCC #6 (390 countries confirmed) and Phone DXCC #6 (388 countries confirmed). Read more here.

From *The ARRL Letter*, May 12, 2011

LIFETIME CREDIT FOR LICENSE EXAM

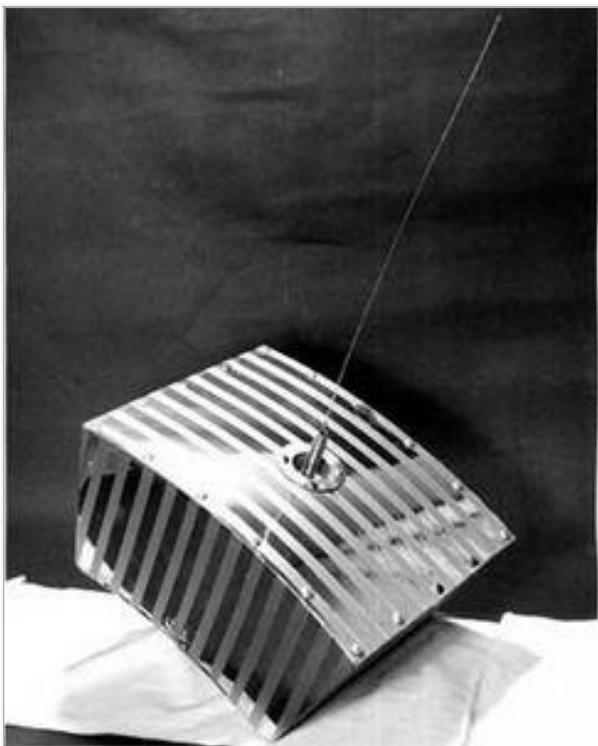
In a Petition for Rulemaking filed with the FCC on April 15, the Anchorage VEC -- one of 14 Volunteer Examiner Coordinators in the US -- asked the Commission to give permanent credit to radio amateurs for examination elements they have successfully passed. This would, in effect, create a license exam credit that would be valid throughout an amateur's lifetime, never expiring. Read more [here](#).

From *The ARRL Letter*, April 28, 2011

50 YEARS OF AMATEUR SATELLITES

ARRL News Editor **S. Khrystyne Keane, K1SFA**

1961. It was the middle of the Cold War. John F. Kennedy is inaugurated as the 35th President of the United States. The Bay of Pigs invasion fails in Cuba. The Beatles perform for the first time at the Cavern Club in Liverpool. Freedom Riders are arrested in Jackson, Mississippi for "disturbing the peace" after disembarking from their bus. Construction of the Berlin Wall begins. Roger Maris of the New York Yankees hits his 61st home run in the last game of the season, beating the 34 year old record held by Babe Ruth. Barbie gets a boyfriend when Mattel introduces the Ken doll.



Launched into space on December 12, 1962, OSCAR I was the first Amateur Radio satellite -- and the first non-government bird -- to go in to space. [Photo courtesy of AMSAT]

Just four years earlier, the Soviet Union had launched *Sputnik I*, the first human-made object to orbit the Earth, ushering in the Space Age. For the next 30 years, the Cold War rivalry between the US and the former Soviet Union focused on attaining firsts in space exploration. These were seen as necessary for national security and symbolic of technological and ideological superiority. The "space race" involved pioneering efforts to launch

artificial satellites, sub-orbital and orbital human spaceflight around the Earth, as well as piloted voyages to the Moon.

1961. Mercury-Redstone 2 launches into space carrying Ham the Chimp. Soviet cosmonaut Yuri Gagarin becomes the first human in space. Alan Shepard becomes the first American in space aboard Mercury-Redstone 3. Gus Grissom, piloting the Mercury-Redstone 4 capsule Liberty Bell 7, becomes the second American to go into space. OSCAR I -- Orbiting Satellite Carrying Amateur Radio -- the very first Amateur Radio satellite, is launched into space.

Barely four months after the successful launch of Sputnik I, the United States launches the unmanned Explorer I on January 31, 1958. At about that same time, a group of hams on the West Coast -- Lance Ginner, K6GSJ; Chuck Smallhouse, W6MGZ; Ed Beck, K6ZX; Al Diem; Chuck Townes, K6LFH (SK), and Nick Marshall, W6OLO (SK) -- begin toying with the idea of launching an Amateur Radio satellite into orbit and organized themselves into Project OSCAR. After a series of high level exchanges among Project OSCAR members, the ARRL and the US Air Force, a launch opportunity on a Thor DM-21 Agena-B rocket from Vandenberg Air Force Base in California was secured for the very first Amateur Radio satellite: *OSCAR I*. It was successfully launched into a low Earth orbit on the morning of December 12, 1961 -- four years after the launch of Sputnik I. The satellite was also the world's first non-government bird. Read more [here](#).

From *The ARRL Letter*, May 12, 2011

VANITY CALL SIGN FEE RISING

The FCC released a Notice of Proposed Rulemaking on May 3, seeking to raise the fee for Amateur Radio vanity call signs. Currently, a vanity call sign costs \$13.30 and is good for 10 years; the new fee, if the FCC plan goes through, will go up to \$14.20 for 10 years, an increase of 90 cents. The FCC is authorized by the Communications Act of 1934 (as amended) to collect vanity call sign fees to recover the costs associated with that program. The vanity call sign regulatory fee is payable not only when applying for a new vanity call sign, but also upon renewing a vanity call sign for a new term. Read more [here](#).

From *The ARRL Letter*, May 5, 2011

420-440 MHz LOOKS SAFE

By Mike Lisenco, N2YBB, n2ybb@arrl.org

May 19, 2011, Massapequa Park, NY - A delegation of Amateur Radio operators from the Long Island / New York City area met this morning with Congressman Peter T. King (R-NY) to discuss his recent proposed legislation, HR 607, and its impact on Amateur Radio.

Congressman King said that he fully understands and appreciates the importance of Amateur Radio and the service it provides to the community, and that he would see to the modification of the bill so that the 420 - 440 MHz band would be excluded from the spectrum to be auctioned. The delegation included Mike Lisenco, N2YBB, ARRL Section Manager for New York City / Long Island (NLI), Peter Portanova, WB2OQQ, NLI Local Government Liaison (LGL), George Tranos, N2GA, NLI State Government Liaison (SGL), and Jim Mezey, W2KQV, NLI ARES Section Emergency Coordinator (SEC).

"The Congressman went on to explain that it was never his intention to remove the 70 centimeter band from Amateur use. He further asked us to 'get the word out' and inform the Amateur Radio community that 70 centimeters is not in jeopardy," said Lisenco.

Lisenco, Mezey and Tranos spoke about the importance of Amateur Radio emergency communications while Portanova, who is also the local AMSAT representative, addressed satellite and other amateur use of the 70 centimeter band.

The Congressman was very receptive to the group, who also extended an invitation to attend Field Day locations in his District.

HAM RADIO USED TO SUMMON HELP

Wes Perkins, KL0FM, of Nome, Alaska, was seriously mauled by a grizzly bear during a hunting trip on Sunday, May 14. According to the Alaska State Troopers, Perkins and two friends had been tracking the bear east of Nome -- located on the Seward Peninsula -- when the big grizzly charged the group. Perkins' companions shot and killed the animal during the attack. Perkins was badly hurt, including severe injuries to his face. The hunters called for help using an Amateur Radio handheld transceiver. Read more here.

From *The ARRL Letter*, May 19, 2011

GSARA HAMFEST SEPTEMBER 10

The ARRL has approved our application for a ham fest to be held on Saturday, September 10 at the Monmouth Adult Education Community (MAECOM) in Tinton Falls (same location as our May 7 Hamfest). Admission will be \$5 per carload for buyers and \$15 for the first seller table and \$10 per table for subsequent ones. There will be VE exams and food will be available for sale.

FCC FINES PHILADELPHIA AMATEUR

The FCC announced that on May 16, it issued a Forfeiture Order of \$4000 to Jose Torres, N3TX, of Philadelphia, Pennsylvania, "for willfully and repeatedly operating his amateur station on an unauthorized frequency at his residence, in violation of Section 1.903(a) of the Commission's Rules." This action follows a 2009 Notice of Apparent Liability for Forfeiture (NAL) against Torres. In 2009, the FCC issued the NAL against Torres, after receiving a complaint of interference in 2008. Agents in the Enforcement Bureau's Philadelphia Office used mobile direction finding equipment in April and June of that year to determine the source of interference. Both times, they found that the source coming from Torres' residence and that the interference consisted of unauthorized radio transmissions on 26.71 MHz. Read more here.

From *The ARRL Letter*, May 19, 2011

FIFTEEN YEARS AGO

From the June 1996 Propagator: GSARA member Walter Prang, KZ5WP (then W2HOZ) was awarded the prestigious Marconi Gold Medal Achievement Award from the Veteran Wireless Operators Association for his lifetime devotion to radio. Field Day will be at Tatum Park in Middletown and is headed by Chief Engineer Rich Rohloff. Marv Bernstein, W2PAT made a presentation at our meeting on DSPs. Vanity Gate 1 (previously held call) of the vanity call sign program opens May 31, 1996. The GSARA Roster attached to The Propagator showed 138 members of GSARA!

In 2011, July has 5 Fridays, 5 Saturdays, and 5 Sundays. This apparently happens once every 823 years! This is sometimes called 'money bags'.

BRAZILIAN HAMS PUZZLE SOLUTION

The Brazilian hams got across the river by first having Skip (125#) and Sparky (150#) take the boat across the river to the far shore with 275#. Then either Skip or Sparky took the boat back across the river and stayed back while Buggy (225#) took the boat across to the far shore. Then the person at the far shore with Buggy took the boat back. Finally, Skip and Sparky again took the boat across to the far shore.

On the way home with the Hamfest “goodies”, a similar scheme was used. First Skip and Sparky took the boat across leaving Buggy with the gear. Then one of them went back (let’s assume it was Sparky) and turned the boat over to Buggy who went across carrying the 50# power supply (275# total load). Now Skip took the boat back and picked up the 60# receiver and 75# transmitter and took it across (260# total load). Leaving all the goodies for Buggy to watch, Skip took the boat back across to pick up Sparky and let Sparky row the boat across with the two of them since Skip was tired of rowing. Then they all proceeded home with all of their “goodies.”

Vince Rosati, KE2V was the first one with the correct solution followed by Frank, W2XYZ and Matt, W2AOJ. Congratulations to all of them.

There is suspicion that Vince was actually there (hence his quick solution) since he added the following information: “They are so pleased with themselves for having figured out how to cross the river safely that they decide to stop at a gin mill (that’s a bar for you younger folk). After a few rounds, they repair to Sparky’s shack to try out their new purchases. Unfortunately, the power supply is 28 volts and the TX only wants 12 volts. Further, they connect the TX output directly into the RX input, and within microseconds of turning on the power both the TX and RX arc, sputter, and smoke. I’m sure we’ll see them at the GSARA Hamfest on May 7th looking for similar bargains.”

Frank, W2XYZ modified the puzzle as follows:

“Skip, Sparky, and Buggy get to the super, fantastic, GSARA Hamfest by Skip and Sparky (275 lbs) paddling from Staten Island across the Raritan Bay to glorious New Jersey. Sparky (150 lbs) stays in the boat and paddles back to SI. Upon reaching the shores of the “Forgotten Borough,” Sparky gets out and Buggy (225 lbs) gets in. Buggy heads for Jersey’s gleaming shores. Upon arrival,

he gets out and Skip (125 lbs) gets in and goes back to NY. Avoiding trash and hypodermic needles, he beaches his craft and Sparky (275 lbs) joins him in the boat. Together they head back to New Jersey’s Gold Coast. From there the three of them trek through some of the finest neighborhoods in the country and arrive at the Hamfest of all hamfests, the GSARA Hamfest.”

“After filling their stomachs with the fine food Annie prepared at the Hamfest, they decide it’s time to take their treasure back to the town that made landfills famous. Buggy is worried about “Dem Joisey guys stealin’ dere stuff.” He suggests it remains guarded as they transport it home. As stated in the puzzle, the weather worsened (after wonderful weather at the Hamfest) and felt they shouldn’t overload the boat. They set the limit to 275 lbs.”

“Skip and Sparky (275 lbs) get in the boat and row back to Staten Island. Sparky waits while Skip (125 lbs) goes back and puts the 75 lb transmitter and 60 lb receiver in the boat with him (260 lbs) and rows back to SI. Sparky and Skip find a safe place to hide the transmitter. Skip stands guard while Sparky (150 lbs) rows back to Joisey. Buggy is waiting for Sparky’s arrival with the 50 lb linear under his arm. Sparky arrives and gets out, while Buggy burdened with the 50 lb boat anchor (275 lbs) gets in and heads for their hideaway. Buggy gets to the island, carries the power supply to the hiding spot and stands guard while Skip (125 lbs) gets in the boat and goes to the Bay Shore. Sparky is waiting on the beach and gets in with Skip to go back to where Buggy is waiting with the stash. Happy with their purchases, while rowing back to SI Skip and Sparky talk about the wonderful time they had at the GSARA Hamfest, the terrific bargains they found and how they look forward to the next GSARA Hamfest. Upon their arrival they find Buggy and all of their treasures gone. End of story.”

DXCC APPROVES VU4PB AND 4A4A

ARRL DXCC Manager Bill Moore, NC1L, reports that the [2011 VU4PB DXpedition to the Andaman and Nicobar Islands](#) and the [2011 4A4A DXpedition to Revillagigedo](#) have been approved for DXCC credit. If you have any questions about this operation, please send an [e-mail](#) to the ARRL DXCC Desk.

From *The ARRL Letter*, May 5 and 19, 2011

PUZZLE #8 – AN INFALLIBLE IQ TEST

Are you a little rusty on your geometry? Find the lettered word in the right column that best matches the numbered statement below.

- 1) That which Noah built
- 2) An article for serving ice cream
- 3) What a bloodhound does in chasing a woman
- 4) An expression to represent the loss of a parrot
- 5) An appropriate title for a knight named Koll
- 6) A sunburned man
- 7) A tall coffee pot perking
- 8) What one does when it rains
- 9) A dog sitting in a refrigerator
- 10) What a boy does on the lake when his motor won't run
- 11) What do you call a person who writes for an inn
- 12) What the captain said when his boat was bombed
- 13) What a little acorn says when he grows up
- 14) What one does to trees that are in the way
- 15) What you do if you have yarn and needles
- 16) Can George Washington turn into a country

- A) HYPOTENUSE
- B) POLYGON
- C) INSCRIBE
- D) GEOMETRY
- E) UNIT
- F) CENTER
- G) DECAGON
- H) ARC
- I) CIRCLE
- J) AXIOM
- K) CONE
- L) COINCIDE
- M) COSECANT
- N) TANGENT
- O) HEROS
- P) PERPENDICULAR

Send your answers to w2od@aol.com

AREA AMATEUR EXAM SESSIONS

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

Wall Township, Camp Evans Area on Marconi Road: Exams are held on the first Saturday of the even numbered months (June 4) at 10 AM. The contact person is Pat Brannick, N2BZD at 732-267-0308 or e-mail to pbrannick@aol.com.

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

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

Toms River, Holiday City South Clubhouse, Meeting Room #1, Mule Road at the corner of Santiago Drive on the second Wednesday of every month at 7 PM. The contact person is Larry Puccio, K2QDY, 732-349-2950 or lpuccio1@comcast.net. See the HCARC website www.hcarc.us for directions to the site.

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

TWENTY YEARS AGO

From the June 1991 Propagator: Al Allen, K2LGG took over from Elena, N2ITL as editor of The Propagator. This was his first issue. A GSARA Hamfest is being planned for October 13 and it will be at Allaire Airport. Hams must vacate the band from 220 to 222 MHz by August 27, 1991. Jim Pope, WB2QMP started a monthly DX column in The Propagator called "The DX Smoke Room." Bill Saker, KG2U died from a sudden heart attack at his home on June 2, 1991.

TWENTY FIVE YEARS AGO

From the June 1986 Propagator edited by John King, KA2F: Bob Ewing, WA2GWG gave a review of the latest ham gear he saw at Dayton that year. The Treasure Island expedition is planned for October 4-5 and is spearheaded by Harry, KN2B. Field Day will be at Tatum Park in Middletown on June 28-29.

NOTES ON CALENDAR (see last page)

Large Call letters denote birthdays e.g. **KC2RRP** on June 1. All times are EDST. Contests are listed in the June QST, p. 84.

June 1 – **GSARA Meeting** at 7:30 PM at the Red Cross, West Park Ave. and Shafto Road in Tinton Falls.

June 2 - **Holiday City ARC meeting** at 7 pm at Holiday City South Clubhouse in Toms River.

June 3 - **W1AW Qualifying Run** at 10 pm (10-35 wpm). See June QST, p. 83 or www.arrl.org/w1aw

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

June 6 - **Monmouth County ARES Net** meets on 147.045 +600, PL=67.0 at 7:30 pm.

June 7 – **Middletown Pancake House Luncheon** at noon at left rear table. All are welcome.

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

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

June 7 and every following Tuesday – **QCWA News Net** on 147.045 PL=67 at 9:00 pm.

June 8 – **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

June 9 – **Jersey Shore Amateur Radio Society (JSARS)** meeting in Riverview Park Recreation Building, Rt. 527 and Riverwood Drive in Toms River at 7:30 pm.

June 11 – **OMARC Meeting**, 9:00 am at the Diana Site on Marconi Road, Wall, NJ. Guests are welcome.

June 11 – **Red Cross Drill** from 9 am to 3 pm.

June 11-12 – **ARRL VHF QSO Party**, all bands above 10 meters, all modes from 1 pm Sat. to 11 pm Sun. See <http://www.arrl.org/contests>

June 13 - **Monmouth County RACES Net** meets on 147.045 +600, PL=67.0 at 7:30 pm.

June 14 – **VE Test Session** at Croyden Hall, Leonardo section of Middletown at 7:00 pm. For more information, contact Mario Sellitti, N2PVP at 732-787-7184 or n2pvp@n2pvp.com

June 15 – **GSARA Meeting** at 7:30 pm at the Red Cross in Tinton Falls. Preparation and practice for Field Day.

June 16 – **JSARS VE Test Session** at 7:30 pm Riverview Park Recreation Bldg., Rt. 527 and Riverwood Drive in Toms River. Contact Ed Genoio, WA2NDA at 609-971-2792 or wa2nda@comcast.net.

June 18 – **Sheehan Run** in Red Bank from 8 am to about noon. Contact Tom, N2VFK if you can help.

June 18 – **Kid's Day**, all bands, phone from 1 pm to 7 pm. See <http://www.arrl.org/kids-day>

June 20 - **Monmouth County ARES Net** meets on 147.045 +600, PL=67.0 at 7:30 pm.

June 22 – **W1AW Qualifying Run** at 7 pm (10-35 wpm). See June QST, p. 83 or www.arrl.org/w1aw

June 25 – **Neptune Amateur Radio Club Meeting** at 9 am at the American Legion on Gully Road.

June 25-26 – **ARRL Field Day**, all modes, from 2 pm Saturday to 2 pm Sunday. See <http://www.arrl.org/contests>

June 27 - **Monmouth County RACES Net** meets on 147.045 +600, PL=67.0 at 7:30 pm.

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1 KC2RRP GSARA Mtg	2 Hol. City Mtg.	3 CW Qual. Run	4
5 InfoAge	6 ARES/RACES 7:30	7 Pancake House MARC Mtg 7 PM Old Barney ARC QCWA News 9 PM	8 Hol. City VE	9 JSARS Mtg.	10	11 OMARC Mtg Red Cross Drill VHF+ QSO Pty.
12 VHF+ QSO Pty. KY2S InfoAge	13 KA2ZSI RACES Net 7:30	14 Croyden VE 7 PM QCWA News 9 PM	15 W2HAM GSARA Mtg.	16 JSARS VE	17	18 Sheehan Run Kids Day
19 InfoAge	20 ARES/RACES 7:30	21 WB2KCV QCWA News 9 PM	22 CW Qual. Run	23	24	25 Neptune Mtg Field Day
26 N2LXM Field Day InfoAge	27 W2HTS RACES Net 7:30	28 QCWA News 9 PM	29	30		



G.S.A.R.A.

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