



# THE PROPAGATOR

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

**FEBRUARY 2016**

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## UPCOMING GSARA MEETINGS

The next GSARA meeting will be on **Wednesday, February 3 at 7:30 PM** at the Red Cross. The program will feature Joe Dreifuss, W2KQ talking about communication on the 550 nanometer band. Bring a guest and enjoy the light refreshments that will be available.

The second meeting in February will be held on **Wednesday, February 17 at 7:30 PM** at the Red Cross. This will be a regular business meeting. Refreshments will be served and guests are welcome.

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## 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 January we had 29 check-ins for an average of 7.25 per session. The following 14 members checked into this net at least once (number of check-ins in parenthesis):

K2ARK (4), N2BMK (4), K2KDC (4), W2OD (4), N2HGI (3), KC2YNL (2), N2AJO (1), W2HAM (1), W2HTS (1), W2KQ (1), N2JFL (1), N2LXM (1), W2UTR (1) and KA2ZSI (1).

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

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## VE TEST SESSION FEBRUARY 27

The GSARA monthly test session will be held on Saturday, February 27 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](mailto:n3rb@arrl.net).

## ANNUAL WHITE ELEPHANT SALE

Date March 2, 2016

Time 7:30 PM to 9 PM

Place: Red Cross Building 1540 West Park Avenue, Tinton Falls NJ 07712

Talk in on 147.045 + 600 PL 67.0

No Entry Fee and adequate parking.

Access to the Red Cross Building at 6:30 PM for Sellers and Donated equipment. Or bring your items to the club for storage during the month of March.

Club Members: Club Table 10% commission to club on sale of item.

Non GSARA Members: 4 X 4 Table \$15.00 or Join GSARA for \$ 17.00.

High End or Valuable Items: Will be auctioned on a Written Bid Basis.

Refreshments & Home Made Baked goods for sale.

Bidding on item selections starts at 7:30 PM and Ends at 9 PM

Donations of items that you are no longer using would be appreciated and would help the GSARA. Now is the time to make the XYL happy.

For Information call W2KQ (732)493-4236 or [jdreifuss@optimum.net](mailto:jdreifuss@optimum.net)

Please advise if you intend to participate. If not enough members donate items, the event will be cancelled.

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## APRS RUNNING AT W2GSA

W2GSA APRS is up and running 24/7 again at the shack.

73 de Howard, W2HTS

## 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	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

I'm looking forward to the February 3 program by Joe Dreifuss, W2KQ about broadband communications using the 550 nanometer band. For those who remember their physics, visible light runs from 390 to about 700 nanometers in wavelength so Joe will demonstrate communicating by light beams (for homework, what frequency corresponds to 550 nm?). The technology has been around for a while and has been used by the military. It should be an interesting program!

Let's all support the White Elephant sale (see page 1) coming up on our March 2 meeting night. This is an excellent opportunity to clean out some of our "junk" and making others happy to acquire new "junk" at the sale.

The 70<sup>th</sup> anniversary of Project Diana (see page 5) was a success with two-way contacts made on 1296 MHz as well as echoes from N2MO received from the moon. Congratulations to OMARC for organizing this special event.

Have you participated in the National Parks on the Air (NPTOA) yet (see page 6)? Although it's early in the year, there has already been significant activity which I imagine will pick up even more as the warmer months approach.

If you know a young ham in high school or college, make sure they are aware of the FAR scholarships (see page 8). These are not difficult to obtain and every little bit helps for college expenses.

John, KA2F is ready to accept your dues for 2016 (see page 7). A bargain at \$15! Only about 15 members from last year have not yet renewed. You can pay John at any meeting or by sending the payment to his address on page 7. For your convenience, I have included a coupon on the bottom of page 8 that you can send in with your dues payment but if that is too much of a hassle, John will accept cash or check as long as he knows who it's from. Per our Constitution, dues not paid by March 2 will result in your being dropped from membership.

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

73 de Bob, w2od@arrl.net

## MINUTES OF JANUARY 6 MEETING

By Bob Buus, W2OD, Secretary

President Howard Suffill, W2HTS called the meeting to order at 7:35 PM at the Red Cross. There were 23 members and two guests present. The guests were our guest speaker, Dr. Ed Shipley, ex W3SXXN from Holmdel and Michael Panzino, K2IOF from Middletown. After the pledge to the flag, all present introduced themselves.

### Announcements

The spring GSARA Hamfest will be on Sunday, May 15 at our usual location at the MOESC center.

Jeff, N2LXM announced that OMARC has special activities lined up at the Diana site to celebrate the 70th anniversary of Project Diana. Operators are needed to operate N2MO from 8 am to 5 pm both Saturday and Sunday. Sunday will include an effort to bounce pulses off the moon to re-enact Project Diana.

John, KA2F announced that the North American QSO Party on CW is this coming weekend, January 9 and 10 from 1 pm Saturday to 1 pm Sunday. The phone NAQP is the following weekend, January 16-17 at the same hours. He will be sending an e-mail looking for operators for W2GSA.

### Program

The program was presented by Dr. Ed Shipley who talked about the history of radio astronomy and reviewed some of the latest findings. The members found the talk interesting and interacted with Dr. Shipley.

### Close

The 50/50 of \$23 was won by Tony, KA2ZSI. There being no further business, a motion was made by Jeff, N2LXM and seconded by Hunter to adjourn the meeting which was closed at 8:59 pm.

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## MINUTES OF JANUARY 20 MEETING

By Bob Buus, W2OD, Secretary

President Howard Suffill, W2HTS called the meeting to order at 7:30 PM at the Red Cross. There were 15 members and one guest present. The guest was former member Ted Copp, N2KPS whose job recently changed from impossible

hours 7 days a week to a more reasonable 40 hours in 5 days. After the pledge to the flag, all present introduced themselves and described what they have been doing recently with amateur radio.

### Secretary's Report

Secretary Bob Buus, W2OD reported that at the last meeting we had an interesting program presented by Dr. Ed Shipley about radio astronomy. The formal minutes will be published in the February Propagator. A motion was made by Art, KX2CRI and seconded by Marty, N2BMK to approve the minutes. The motion passed unanimously.

### Treasurer's Report

Before Treasurer John King, KA2F made his report he asked for a motion to approve the expenditure of \$112.75 to Bob, W2OD for postage (\$49), annual NJ registration (\$27.50) and printing of 7 months of the Propagator (\$36.25). The requested motion was made by Rem, K2REM and seconded by Marty, N2BMK. The motion passed unanimously.

John, KA2F then made his report which was accepted unanimously.

### Old Business

New GSARA QSL cards have been designed and reviewed so they are ready to go to the printer.

The January phone North American QSO Party participation by W2GSA was cancelled due to lack of interest by club members. Thanks to John, KA2F for his work to organize this activity. It is a shame that so few GSARA members are interested in participating in these operating events.

### VE Exams

The VE exam session scheduled for Saturday, January 23 has been postponed a week until January 30 due to the approaching snowstorm.

### White Elephant Sale

Joe, W2KQ asked members to start bringing in items for the White Elephant sale on March 2. Bob, W2OD agreed to put the notice of the White Elephant sale on the front page of the February Propagator.

### Hamfest Committee

Rem, K2REM reported that the Spring GSARA Hamfest will be on Sunday, May 15 and again at the MOESC. A motion was made by Ralph, KC2YNL and seconded by Joe, W2KQ to authorized payment of \$300 to MOESC for use of the site. The motion passed unanimously. New Hamfest tickets must be printed so a motion was made by Rem, K2REM and seconded by Ralph, KC2YNL to authorize up to \$250 for the printing of Hamfest tickets. The motion passed unanimously.

#### Announcements

John, KA2F brought copies of an interesting article from a 1978 Linn's Stamp News that described amateur radio for the layman and tied it in with stamp collecting.

Len, WA2PCY announced that Staples sells refurbished computers at very good prices. Anyone shopping for a new computer should look into this.

Due to the upcoming storm, the GSARA radio room will be closed on Saturday, January 23.

#### Close

The door prize of \$14 was won by John, KA2F. A second prize of an ARRL 2016 Calendar donated by Bob, W2OD was won by Tony, KA2ZSI who declined it. On a second drawing, the calendar was won by Hunter Suffill. There being no further business, a motion was made by Rem, K2REM and seconded by Art, KC2CRI to close the meeting which was adjourned at 8:16 pm.

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### **REPEATER ANNOUNCEMENTS**

GSARA Meeting every 6 Hours - Start 0615 - End 1815

ARES every 6 Hours - Start 0715 - End 1915

QCWA Every 6 Hours - Start 0815 - End 1415

White Elephant every 3 Hours - Start 0845 - End 2359

GSARA-Net every 6 Hours - Start 0645 - End 1845

All of the announcements have extra time built in if the repeater is in use. Most of them have a cut off time before any nets start.

73 de Howard, W2HTS

### **GREETING FROM ALAN, W2NIR**

We have been here in Florida for about three weeks and are finally settled in. Have been working some mobile on 20 meters but the band has been spotty on phone. Have been trying to get myself back in shape and am planning to race walk the Miami Half Marathon on January 24th if I have the stamina. The doctors gave me the okay.

Will be returning to NJ in late March and will start to attend meetings now that I have been given thumbs up by the doctors to mix in public. Just wanted to say that the Propagator is one of the best newsletters I have ever read. Thanks for your great contribution to the spirit of Amateur Radio.

73 de Alan, W2NIR

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### **MARS COMEX FEBRUARY 12**

To Mike Lisenco, N2YBB, Hudson Division, Director:

MARS will be participating in a simulated national crisis situation communication exercise on Feb 12, 2016 (COMEX 16-1).

Part of the COMEX 16-1 will be to coordinate the support of this exercise with local amateur radio operators, organizations and clubs. In the past COMEXs we have worked with ARES and RACES. We are now looking to expand our cooperation with Ham Radio CLUBS.

I am requesting that Region 2 ARRL Division Directors and Section Managers contact all Ham Radio clubs in your areas. Provide them with my email addresses [ws2q@arrl.net](mailto:ws2q@arrl.net) or [aaa2r9@usarmymars.us](mailto:aaa2r9@usarmymars.us) and have them contact me to arrange for participation in this COMEX.

Any questions, give me a call 732-921-2608.

Thank you and 73,

Harvey Klein, AAA2R9/WS2Q  
Civil Affairs Officer  
US Army MARS – Region 2  
Work Tel: 908-688-8900  
Home Tel: 973-538-1768  
Cell Phone: 732-921-2608

Email: [ws2q@arrl.net](mailto:ws2q@arrl.net)

## EME FROM DIANA SITE

Radio amateurs will attempt a 23 centimeter Earth-Moon-Earth (EME, or "moonbounce") transmission on January 10, using the 60-foot-diameter TLM-18 dish on the former "Project Diana" site, now part of the [InfoAge](#) Science History Museum in New Jersey. This month's event marks the 70th anniversary of Project Diana. It was on the InfoAge site, then a part of Fort Monmouth, that the US Army's Project Diana team on January 10, 1946, first received radio signals bounced from the moon.



**The TLM-18 dish on the former Project Diana site in New Jersey.**

During the anniversary event, the TLM-18 reactivation team, consisting of volunteers from the museum, the Ocean Monmouth Amateur Radio Club ([OMARC](#)), and Princeton University, will transmit from the TLM-18 control console in Building 9162, the original TIROS control building, adjacent to Building 9116, which houses N2MO, the OMARC club station. The dish offers 35 dBi gain at 465 MHz. The former US Army tracking dish was used as a ground station for the

TIROS I and II weather satellites and for Project Vanguard, which led to the launch of *Vanguard 1*, the second US satellite, in 1958. The dish was demilitarized in the 1970s.

An impromptu pre-event EME test conducted on January 2 on 1296 MHz from the TLM-18 dish was successful, and the N2MO operators completed a contact with K2UYH.

Daniel Marlow, K2QM, an InfoAge board member who teaches physics at Princeton, plans to use the dish as a radio telescope to see 21 centimeter radiation from the Milky Way, but he also wants to observe radio pulsars, and because that activity can be performed at 70 centimeters, the TLM-18 dish is being made available to the Amateur Radio community for EME use on a secondary basis. -- *Thanks to InfoAge and Martin Flynn, W2RWJ*

From *The ARRL Letter*, January 7, 2016

*The demo was successful and 2-way contacts were made via moonbounce. – Ed.*

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## S. SANDWICH & S. GEORGIA

The 14-member Intrepid-DX Group [VP8 DXpedition](#) team to the South Sandwich Islands and South Georgia will set out on January 9 from the Falkland Islands on the R/V (research vessel) *Braveheart* for a 37-day voyage. Both entities are rare. The team will use VP8STI from South Sandwich and VP8SGI from South Georgia.

"Our plans have us activating South Sandwich Island first, as it is the #3 most-wanted DXCC [entity] in ClubLog," the group said on its website. "We will be active on South Sandwich for 8 full days, weather and sea conditions permitting. We expect to start our activation of VP8STI on January 17." South Georgia is the 8th most-wanted DXCC entity, according to the ClubLog [Most Wanted DXCC List](#).

The DXpedition's website describes the South Sandwich Islands as "a cold and inhospitable place," and Southern Thule Island, where the group will operate, as "one of the most remote places on Earth." Read [more](#).

From *The ARRL Letter*, January 7, 2016

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If a vegetarian eats vegetables, what does a humanitarian eat?

## NORTH KOREA ON BY SUMMER

Following an unexpected "demonstration" operation from North Korea -- officially the Democratic People's Republic of Korea (DPRK) - - just before Christmas, Polish DXer Dom Grzyb, 3Z9DX, now expects to be back in the DPRK -- the most-wanted DXCC entity -- for his "official" activation by late this summer, according to *The Daily DX*. He initially had anticipated returning this month or next.

P5/3Z9DX showed up on the air from the most-wanted DXCC entity on December 20 and 21 to demonstrate Amateur Radio for North Korean officials. Over the course of that activation -- the first in more than a decade -- P5/3Z9DX made nearly 785 SSB contacts, most of them on 15 meters. Nearly 600 of the contacts were with stations in Asia; P5/3Z9DX worked just 26 stations in North America. He has [posted](#) his log on ClubLog.

Grzyb recently contacted *The Daily DX* Editor Bernie McClenny, W3UR, to update his situation. During his visit, authorities were friendly and polite, McClenny reported, noting that he was also surprised that they allowed him to operate in December. P5/3Z9DX was severely hampered by extremely high noise levels on all HF bands, not to mention a geomagnetic storm. Noise, he said in a [video](#) posted on his website, made it "almost impossible" to copy weaker signals in Pyongyang.

When he goes back to the DPRK this summer, he will be operating from a far quieter location in a rural area, Grzyb told *The Daily DX*. While operating from North Korea in December, P5/3Z9DX was running 100 W to a vertical antenna mounted on a metal fence post some 7 feet above the ground among government high-rise buildings. His equipment was left behind in Pyongyang, as was agreed to before his December visit. The P5/3Z9DX preview was the first activation from North Korea since the 2001-2002 operation by Ed Giorgadze, 4L4FN. -- *Thanks to OPDX, The Daily DX*

From *The ARRL Letter*, January 7, 2016

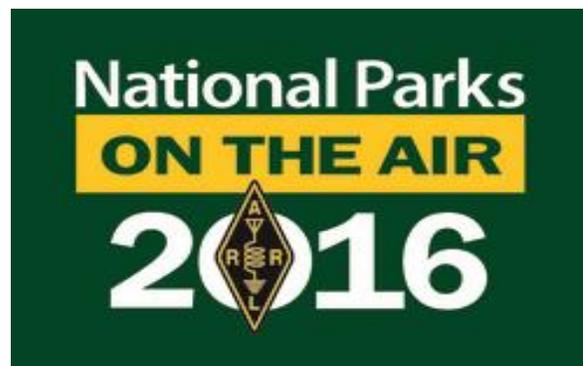
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## OMARC SHACK OPEN THURSDAYS

The OMARC radio shack is open to radio amateurs most Thursday evenings from 6:30 to 8:30 pm. See Matt Capozzoli, N2UG for details.

## NATIONAL PARKS ON THE AIR

Great pileups were reported from many National Parks on the Air (NPOTA) activators. We're getting more and more comments from participants who are catching "NPOTA Fever" and beginning the chase.



At three weeks into the year-long event, we've seen nearly 200 of the 483 NPOTA units activated -- an amazing level of participation! Several Chasers are taking the event seriously as well; 11 Chasers have more than 100 NPOTA units confirmed, and 84 have 50 or more units in the bag. And it's still mighty cold in a large part of the county...just think what activity will be like when it warms up a bit.

More Activations are scheduled for the coming weeks; check the NPOTA Activations [calendar](#) for details. Follow NPOTA on Facebook and Twitter, too! -- *Thanks to ARRL Media and Public Relations Manager Sean Kutzko, KX9X*

From *The ARRL Letter*, January 21, 2016

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## RFI FROM ELECTRONIC BALLASTS

The ARRL has again complained to the FCC to allege illegal marketing of electronic RF lighting ballasts, operating under Part 18 of the Commission's rules, on the part of two major retailers. Letters went out in late December to the FCC Enforcement Bureau and its Office of Engineering and Technology, claiming Part 18 marketing regulations violations by Lowe's and by Walmart stores. At issue is the sale of non-consumer RF lighting ballasts to consumers who, in several instances, were told by store personnel that it was okay to install these in a residential setting. Read [more](#).

From *The ARRL Letter*, January 7, 2016

## **RICK RODERICK, K5UR NEW ARRL PRES.**

The ARRL Board of Directors has elected ARRL First Vice President Rick Roderick, K5UR, of Little Rock, Arkansas, as ARRL President. The Board took the action as it convened for its 2016 Annual Meeting January 15-16 in Windsor, Connecticut. Roderick, 63, officially assumed office for a 2-year term at the conclusion of the Annual Meeting. He is the ARRL's 16th president, succeeding Kay Craigie, N3KN, of Blacksburg, Virginia, who had served for three terms since being elected in 2010.

A ham for 48 years, Roderick is an attorney. He has served on the ARRL Board of Directors for 24 years and is an enthusiastic Amateur Radio operator and DXer on HF and VHF/UHF. He and his wife Holly have two adult children.

ARRL Chief Operating Officer Harold Kramer, WJ1B, also was attending his final meeting in an official capacity. He will retire on March 1 after about 11 years at ARRL Headquarters.

The Board considered the recommendations of the CEO Search Committee and selected a candidate to succeed ARRL Chief Executive Officer David Sumner, K1ZZ, who is retiring this spring after 44 years on the ARRL Headquarters staff. A formal announcement is pending.

In other action, the Board approved an annual budget that contains an operating surplus this year, in the wake of a deficit last year. The overall budget was \$15.3 million, approximately the same as the previous year's spending plan.

From *The ARRL Letter*, January 21, 2016

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## **GSARA SHACK OPEN SATURDAYS**

The GSARA shack at the R Cross is open to members most Saturdays from noon (sometimes earlier) to 2 pm. An e-mail is usually sent to all members prior to the weekend announcing the hours the shack will be open. You are welcome to operate the station with your own call or W2GSA. It's an excellent opportunity to pick up some new states or countries. Or, you're welcome to just come to socialize.

## **GSARA 2016 DUES ARE NOW DUE**

GSARA Dues for 2016 (\$15) may be paid to KA2F, the Treasurer, in cash or check at any meeting. Checks may be mailed to John King, 18 Carmel Way, Eatontown, NJ 07724.

Your attention to this matter will be appreciated in order to help keep our club financially fit.

TU 73, John, KA2F

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## **NADXA CHALLENGE**

Work **100** (different) **Countries**, Islands or Entities (CW, SSB or mixed) within **30 days** from March 1, 2016, 0000Z till March 30, 2016, 2359Z. Send log to [NADXA@nadxa.org](mailto:NADXA@nadxa.org) by April 15, 2016.

This is not a contest but a personal Challenge with yourself.

[www.nadxa.org](http://www.nadxa.org)

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## **RAMSEY KITS QRT**

After more than 40 years as a purveyor of inexpensive electronics kits for hobbyists, the Ramsey Hobby Kits group has [announced](#) that it's thrown in the towel, effective on January 1. The Ramsey RF Test Equipment Group is unaffected by this change. The Victor, New York, company sold a wide array of hobby kits over the years, starting with its LED Blinky kit in the 1970s and eventually including simple ham radio transmitters and receivers, aircraft band receivers, and other devices. Ramsey kits were frequently available at hamfests. The company said it will continue to provide technical and warranty support for hobby kits purchased through the end of 2015. Ramsey said its remaining hobby kit inventory has been relocated to [Amazon](#).

From *The ARRL Letter*, January 14, 2016

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## **GSARA WANTS YOUR QSL CARD**

Garden State A.R.A. wants YOUR QSL Card for the Display of Member Cards in the Club Station. You can bring your card to a meeting, scan it and send a copy to [ka2fwb2hdj@gmail.com](mailto:ka2fwb2hdj@gmail.com), or mail it to John King, KA2F, 18 Carmel Way, Eatontown, NJ 07724.

Thanks, John KA2F

## FAR SCHOLARSHIP APPLICATION

The Foundation for Amateur Radio Inc. (FAR) invites [applications](#) for the 2016-2017 academic year for the [46 scholarships](#) it administers. Applicants must hold a valid Amateur Radio license and be enrolled or accepted for enrollment at an accredited university, college, or technical school. Applicants attending schools outside the US must provide a brochure describing the school. Students do not apply for specific scholarships; each application will be considered for all of the scholarships for which the applicant is qualified. In order to be considered for the Chichester and QCWA scholarships, applicants must obtain the appropriate recommendations. [Applications](#) must be submitted by April 15, although applicants may edit their applications until May 7. Data entered onto the application goes directly into an encrypted, password-protected PDF file that is available only to the review committee. No part of the application is stored online. [Contact](#) FAR for more information.

From *The ARRL Letter*, January 21, 2016

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### TEN YEARS AGO

From the February 2006 Propagator: OMARC celebrated Diana Day to mark the 60<sup>th</sup> anniversary of the first moonbounce. A Jean Shepard tape from the 1960s was played at the January 4 meeting. Joel Harrison, W5ZN replaced Jim Haynie, W5JBP as President of ARRL.

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There is no egg in eggplant nor ham in hamburger; neither apple nor pine in pineapple.

## FIFTEEN YEARS AGO

From the February 2001 Propagator: Rich Bilon, N3RB and Stas Wnukowski, KC2AK became GSARA members. Joe Smith, W2EHS became a silent key. Bill Orr, W6SAI became a silent key. ARRL dues increased from \$34 to \$39 per year.

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### TWENTY YEARS AGO

From the February, 1996 Propagator: GSARA received a \$1200 check from the Hamfest committee. After deducting our \$350 seed money, our net profit was \$850. The club received a file cabinet from the estate of Mike Begala, K2CTJ (SK).

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### TWENTY-FIVE YEARS AGO

From the February-March 1991 Propagator: Bob, W2OD gave a talk at the Feb. 6 meeting about Morse code keyboards. Fort Monmouth MARS station AAR2USI is looking for operators to help run phone patches for "Desert Shield". John Breza, WR2Z (SK) had an article about how to use a scientific calculator for solving Advanced Class test questions. Elena Worrall, N2ITL is looking for someone to replace her as editor of The Propagator.

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### THIRTY YEARS AGO

From the February 1986 Propagator: New members to GSARA included Ed Kracum, WB2COP (SK) and Mark Rubin, WA2GRD. The space shuttle exploded, taking the lives of 7 astronauts on January 28, 1986.

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## 2016 DUES ARE DUE

If you haven't already paid, your dues for 2016 are due. You may pay at any meeting or mail this coupon with payment to our treasurer **John King, KA2F**. Regular membership is \$15. If you wish to have a paper copy of *The Propagator* mailed to you, add \$5 and check this box:

NAME \_\_\_\_\_ CALL \_\_\_\_\_

wishes to continue membership in GSARA for 2016. Payment of \$ \_\_\_\_\_ is enclosed.

Make checks payable to GSARA and mail or give to:

**John King, KA2F**  
**18 Carmel Way**  
**Eatontown, NJ 07724**

## NOTES ON CALENDAR (see next page)

Large Call letters denote birthdays e.g. **W2NQB** on February 3. All times EST. Contests are listed in the February QST, p. 92.

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

February 2 – **Old Barney VE Session** at 6:30 pm in Manahawkin. Contact Urb Le Jeune, W1UL at 609-296-5856 or [urb@w2dec.com](mailto:urb@w2dec.com)

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

February 2 and every following Tuesday – **GSARA Net** on 147.045 PL=67 at 8:30 pm.

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

February 3 - **W1AW Qualifying Run** at 7 pm (10-35 wpm). See February 2015 QST page 99 and [www.arrl.org/qualifying-run-schedule](http://www.arrl.org/qualifying-run-schedule)

February 3 – **GSARA Meeting** at 7:30 pm. Program features Joe Dreifuss, W2KQ with a presentation about communications using the 550 nanometer band.

February 4 - **HCARC meeting** at 7 pm at Holiday City South Clubhouse in Toms River.

February 6 – **North American Sprint, CW** from 7 to 11 pm. See <http://www.ncjweb.com/Sprint-rules.pdf>

February 7 and every Saturday, Sunday and Wednesday – **InfoAge Marconi Hotel** open from 1 to 5 pm on Marconi Road in Wall.

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

February 10– **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](mailto:lpuccio1@comcast.net)

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

Feb. 12-14 – **CQ WW RTTY WPX Contest** from 7 pm Friday to 6:59 pm Sunday. See <http://www.cqwxrtty.com/rules.htm>

February 13 – **OMARC Meeting** at 9:00 am at the Diana Site on Marconi Road in Wall. Guests welcome.

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

February 17 – **GSARA Meeting** at 7:30 pm at the Red Cross in Tinton Falls. Regular business meeting.

February 18 – **W1AW Qualifying Run** at 4 pm (10-35 wpm). See February 2015 QST page 99 and <http://www.arrl.org/qualifying-run-schedule>

February 18– **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](mailto:wa2nda@comcast.net).

Feb. 19-21 – **ARRL International DX Contest, CW** from 7 pm Friday to 6:59 pm Sunday. See <http://www.arrl.org/arrl-dx>

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

Feb. 27-28 – **North American QSO Party, RTTY** from 1 pm Saturday to 12:59 am Sunday. See <http://www.ncjweb.com/NAQP-Rules.pdf>

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

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1 ARES/RACES 7:30	2 OBARC GSARA Net 8:30 QCWA News 9 PM	3 W2NQB CW Qual. Run GSARA Mtg.	4 HCARC Mtg.	5 N2ZZP	6 NA CW Sprint
7 InfoAge	8 RACES Net 7:30	9 GSARA Net 8:30 QCWA News 9 PM	10 Hol. City VE	11 JSARS Mtg.	12 CQ WW RTTY WPX	OMARC Mtg 13 CQ WW RTTY WPX
14 CQ WW RTTY WPX InfoAge	15 ARES/RACES 7:30	16 GSARA Net 8:30 QCWA News 9 PM	17 GSARA Mtg.	18 CW Qual. Run JSARS VE	19 ARRL CW DX	20 K1MH ARRL CW DX.
21 ARRL CW DX InfoAge	22 ARES/RACES 7:30	23 GSARA Net 8:30 QCWA News 9 PM	24	25 KC2HCY	26	27 NA QSO RTTY
28 NA QSO RTTY InfoAge	29 RACES Net 7:30					



G.S.A.R.A.

8 DONNER STREET

HOLMDEL, NJ 07733

FIRST CLASS