



# The Propagator

West Palm Beach Amateur Radio Group, Inc.

a Florida Non-Profit Corporation

"From DC to Light -- Since the 1930s"

**Next Meeting: Aug 23, 2017 at 7:00 PM (SIGs at 6:15)**

**Aug/Sep 2017**

## WPBARG Partners with the South Florida Science Center and Aquarium to Make Radio Contact with International Space Station



Last year the South Florida Science Center and Aquarium (SFSC) submitted a proposal to the "Amateur Radio on the International Space Station" (ARISS) program to host a radio contact with the crew onboard the International Space Station (ISS). The proposal included the West Palm Beach Amateur Radio Group as its partner to provide technical assistance. In a December 15, 2016 press release, the program announced that their proposal was selected to "move forward into the Next Stage of the ARISS Selection". Only 11 schools / organizations qualified for the second half of 2017. The contact with the space station is scheduled for some time in November 2017.

According to the ARISS, "The primary goal of the ARISS program is to engage young people in Science, Technology, Engineering, and Math (STEM) activities and raise their awareness of space exploration, radio communications and related areas of study and career possibilities."

The next step in the process is for each organization/school to submit "an acceptable equipment plan to demonstrate their ability to execute the ham radio contact." Members of the WPBARG are actively involved in this step. They are Jim Nagle KF4OD, Mike McIntosh KJ4RHP and Ken Wright K2KEN. Marc Wiskoff W2MBW who is a member of the club and is on the staff of the Science Center is also working on the project.

During the radio contact, young students get a chance to talk directly to an astronaut in space and ask a question they have

prepared. The WPBARG was previously given the opportunity to conduct a radio contact with the ISS at the Science Center in 2012. Several students spoke live with an astronaut in front of a large audience at the Science Center. A live TV feed to the entire county school system of about 180,000 students and 12,000 teachers was also conducted. In addition to that, there was a live audience on The Education Channel of another 25,000 in private and home schools, plus live broadcast on the PBS station with another 15,000 viewers and a live feed on 2 Comcast Cable TV channels with another 30,000 viewers.

A video of the 2012 ARISS contact can be found on the club's web site at:  
<http://wpbarg.com/video.aspx?VPID=7>

### ABOUT ARISS

Amateur Radio on the International Space Station (ARISS) is a cooperative venture of the Radio Amateur Satellite Corporation (AMSAT), the American Radio Relay League (ARRL) and the National Aeronautics and Space

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Administration (NASA) in the United States, and other international space agencies and international amateur radio organizations around the world. The primary goal of ARISS is to promote exploration of science, technology, engineering, and mathematics (STEM) topics by organizing scheduled contacts via amateur radio between crew members aboard the ISS and students in classrooms or informal education venues. With the help of experienced amateur radio volunteers from amateur radio clubs and coordination from the ARISS team, the ISS crew members speak directly with large group audiences in a variety of public forums such as school assemblies, science centers and museums, Scout camporees, jamborees and space camps, where students, teachers, parents, and communities learn about space, space technologies and Amateur Radio.

## Note from the President

Jerry Grant KI4NUV



A delighted Hello to All the great members of the West Palm Beach Amateur Radio Group, Inc. After many years, our Vice-President, Steve Ikler, KS3K, undertook the job of restarting our Club newsletter. Hopefully we'll be able to get one out to you on a fairly regular basis.

The Club has done wonderfully in the past eight months. Our membership has surged to numbers we haven't seen in several years. New faces and old faces making their appearance again has produced fairly large numbers at our monthly meetings.

Having a thirty minute SIG (Special Interest Group) presentation thirty minutes prior to the regular meeting starting, and having REALLY interesting subject material with knowledgeable moderators leading the session has been a huge success.

Of course, having interesting presentations after the brief business meetings has been instrumental in larger numbers of members (and guests) attending.

Our Shack at the Science Center has been greatly improved. With the addition of a new FLEX radio, a new ICOM 9100 (which we'll be using in November to talk to the International Space Station (for a second time in several years)), and several other newer radios and upgraded antennas, the Shack has been a continuing success to the guests at the Science Center.

I want to thank everyone for their ideas and help in continuing to keep the West Palm Beach Amateur Radio Group one of the most recognized clubs in the south Florida area.

## WPBARG Info

<http://www.wpbarg.com/>

### MEMBERSHIP MEETINGS -

**4th Wednesday (except December), 7:00 PM**  
**Special Interest Groups Meet at 6:15**  
**Theater, South Florida Science Center and**  
**Aquarium, 4801 Dreher Trail North, West Palm**  
**Beach, Florida.**  
**Guests Welcome, Smoke Free, Handicapped-**  
**accessible.**

### BOARD MEETINGS -

**2nd Sunday, 10:30 AM**  
**Discovery III, South Florida Science Center and**  
**Aquarium, 4801 Dreher Trail North, West Palm**  
**Beach, Florida.**  
**Members may attend as observers.**

### WEBMASTER -

**Mike McIntosh KJ4RHP**

### DUES – Payable at the January Meeting

**\$25 Full (licensed Amateurs)**  
**TBD Associate (unlicensed persons)**  
**Family rate \$35/family**  
**Life Membership \$TBD**

### NEWSLETTER -

**The Propagator editor is Steve Ikler KS3K**  
**561-738-1251 [ks3k@arrl.net](mailto:ks3k@arrl.net)**  
**Do you have anything for The Propagator?**  
**Please let Steve know.**

### MAILING ADDRESS:

**West Palm Beach Amateur Radio Group, Inc.**  
**4801 Dreher Trail North**  
**West Palm Beach, Florida 33405**

## Prize to be Awarded for Web Site Contributions



At the July 2017 board meeting, the board approved the granting of a prize to be awarded for contributing content to the WPBARG.COM web site. One prize will be awarded each quarter by drawing. To be eligible you must submit content during the calendar quarter for which the drawing is held. The prize is a one year paid membership in the group.

To qualify, the content must be original content written by you and accompanied by a photo, drawing, video link or other visual aid. The subject may be on any aspect of ham radio or cool technology. The article must be at least 250 words.

Submitting photos for a club event does not qualify even though we want more people to do that. However, articles that are placed in the knowledge base do qualify.

To upload content go to <http://wpbarg.com/submit.aspx>. You may upload as many files as needed to complete your content (photos, text files, Word documents, etc.).

## Another Successful Field Day for WPBARG

The 2017 ARRL Field Day event was held on June 24-25. We combined our club with the Jupiter Lighthouse Repeater Group (JLRG) and, as a last minute addition, the Wellington Radio Club (WRC). There was a good crowd there with 41 people signing the attendance sheet.

We set up our stations at the Learning Center (formerly the Garden Club) at the South Florida Science Center and Aquarium in West Palm Beach. This was the same site as last year, however, the building underwent a major renovation and name change this year. The site has two large main rooms, a kitchen, bathrooms and is fully air conditioned.



No. 1 said we needed alligator CLIPS!

We operated under category 3A. The main station was an Icom IC-746 connected to a tri-bander on a portable trailer parked outside. That station was dedicated to 20 meter phone. The antenna had a tri-plexer attached so we could use the same antenna on 10, 15 or 20 meters. Unfortunately, band conditions were poor so we never operated 10 or 15 meters. The second station was an Icom IC-7000 connected to a 40 meter dipole. That setup gave us problems all weekend long. The third station was an Icom IC-7300 that was devoted to 40 meter digital operations. We had a satellite station and antenna but no contacts were made there. Our GOT A (Get on the Air) station was used to demonstrate ham radio to unlicensed visitors but did not make any contacts.

We were well fed by cooks Mike KB4KBH and Jerry KI4NUV and servers Polly KK4PM and Jon WW4JB. Polly and Jon also purchased all the food.

## WPBARG Board of Directors 2017

### PRESIDENT

Jerry Grant KI4NUV

[ki4nuv@yahoo.com](mailto:ki4nuv@yahoo.com) 561-626-6897

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- K4WPB

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Mike KB4KBH at the Grill



Jon WW4JB Serving Gourmet Meals

We did get some big wigs visiting our site. On Saturday, ARRL CEO Tom Gallagher NY2RF stopped by. Tom was an active member of the WPBARG just prior to his new role with the ARRL. He gave out some FD hats, pins and shirts. You know, the stuff ARRL couldn't sell. On Sunday, Jeff Bealls WA4AW, South Florida Section Manager and Barry Porter KB1PA, Asst Section Manager, came by. They are both members of our club.

Mark WM4ET led a Technician Test Review session on Saturday at the Learning Center that was very well attended. Following the class, Bob W4SOG led a Volunteer Examiner (VE) test session for those in the class. Everyone passed; including one 9 year old candidate.

We didn't use our traditional callsign, W4HAW this year. The JRLG had been assigned the 1x1 callsign of N4J so we used that. We made 192 contacts (201 QSO points times power multiplier of 2) and earned 1050 bonus points for a total score of 1452.



L-R: Grayson KJ7UM, Richard KM4RYM and Jose KM4OOD

Overall, we got on the air, we made contacts, we had good food, no one died and we all had a good time so we met our objectives.

Thanks to Polly KK4PM for supplying the pictures.

A full array of Field Day pictures can be seen on the club web site at:  
<http://wpbarg.com/event.aspx?EventID=35>

## Notes from the Newsletter Editor

Steve Ikler KS3K



Welcome, readers, to the revived newsletter for the West Palm Beach Amateur Radio Group, The Propagator. Thanks to Jeff Bealls WA4AW for pointing me in the right direction. Jeff remembered the name of the old newsletter. I did a Google search and found an old issue from 1997 posted on the web. This version of the newsletter doesn't really look anything like the old version but the intent is still the same; to let our members know what's going on, what we've been up to and what we plan to do in the future.

This will not be a monthly publication and I cannot commit now to publishing it bi-monthly. That's why, elsewhere, I called it an occasional publication of the WPBARG. We need your writing skills. Both this newsletter and our web site need articles to publish. For this issue I have asked some of you to send me information so I could fill in the blanks so I could write articles that are accurate and timely. Thank you for your responses.

I hope you enjoy reading this first-in-a-long-time newsletter. Let me know your opinions, comments and suggestions. Maybe they'll appear in the second-in-a-long-time newsletter.

73, Steve KS3K

## Upcoming Meetings and Programs

General meetings are held on the 4th Wednesday every month at 7:00 PM Local Time. Special Interest Groups (SIGs) are held at 6:15 PM. Meetings and SIGs are held at the South Florida Science Center and Aquarium, 4801 Dreher Trail North, West Palm Beach, FL 33405. Meetings are open to everyone, snacks are served and door prizes are awarded randomly to attendees.

August 23, 2017 - Program: Video on "K1N - The Navassa Island DXpedition of 2015"

Topics for SIGs not known at press time

September 27, 2017 - Program: Michael Reiman KC4SKL, Electromagnetic Radiation

October 25, 2017 - Program: A Discussion of Palm Beach County Amateur Radio Emergency Services (ARES) and Auxiliary Communications (AUXCOMM)

November 22, 2017 - Program TBD

December, 2017 - Annual Holiday Party in lieu of regular meeting

## Club to Receive Large Donation of Equipment from Tampa Club



Due to some changes at the Museum of Science and Industry in Tampa, Florida, the MOSI Amateur Radio Club is being forced to disband. The MOSI ARC was one of just two amateur radio clubs in Florida to have a regular exhibit within a science center. Our own club is the other one.

The officers of the MOSI club have graciously offered much of their shack equipment and antennas to us. On July 29 a few WPBARG officers and directors attended MOSI's final membership meeting in Tampa to finalize the donation and to make arrangements for the transfer of equipment.

We plan to have a team from our club travel to Tampa in mid-August to dismantle antennas and pick up the equipment we have selected. The team will make a final determination of the equipment to be brought back to West Palm Beach at that time. The list of equipment offered to us includes: an ICOM 756 Pro II, a Yaesu 8800, a Yaesu DR-1X/DR-1XE Repeater, various microphones and power supplies.

This is probably the single most valuable donation of equipment ever made to the club and we are very grateful for the offer.

## Lending Library Available to Members

The Club has various equipment and books available to be lent out to members for their personal use. For example you can borrow an MFJ Antenna Analyzer, a soldering iron or an oscilloscope. The books you can borrow include The ARRL Operating Manual for Radio Amateurs 10th Edition 2012, More Wire Antenna Classics Volume 2 Chuck Hutchinson 2010, Hints & Kinks For The Radio Amateur 18th Edition (ARRL) 2012, and several license manuals (recent but outdated).



A complete list of books and equipment available to be borrowed can be found on the club's website at <http://wpbarg.com/lendinglib.aspx>. You also use the website to reserve your item(s) for later pickup at the shack in the Science Center. You do need to be a registered user of the website and a member of the club. If you aren't already a

registered user of the website, use the "Join Us" link at the top of any page. The Link to the Lending Library is found on the left side menu of the "My Account" menu.

We add books and equipment to the list regularly so stop back from time-to-time to see what's new.

## Club Shirts and Badges Available for Ordering

### Shirts

Jerry Grant KI4NUV, has taken over the WPBARG shirt ordering process from Ruth Haggerty. Please send all requests for shirts to Jerry at: [ki4nuv@yahoo.com](mailto:ki4nuv@yahoo.com).

- All shirts Size Small to XL cost \$22 each.
- Size XXL cost \$24 each.
- Size XXXL cost \$25 each
- "Tall Option" (2 inches to length): \$1 additional each shirt
- Styles:
  - Polo w/pocket
  - Short Sleeve button-down collar w/pocket
  - Long Sleeve button-down collar w/pocket



**Richard KM4RYM Modeling Short Sleeve Button-Down Collar**



**Kevin KM4RYN Modeling Polo w/Pocket**

In your order include:

- Quantity, Style, Size(s) of each and if you want the "Tall Option"
- Quantity total being ordered
- Total price (per costs, above)
- Name (First and Last)
- Call Sign
- Phone number and shipping address

Send a check, payable to Jerry Grant, for the total amount to: Jerry Grant, 113 Dory Rd N, North Palm Beach, FL 33408 561-626-6897 (H).

Once he receives your email and your check, he will place your order.

## Badges



Club badges can be ordered from "The SignMan - NV5A"

Email: [rick@thesignman.com](mailto:rick@thesignman.com)

Website: <http://www.thesignman.com/>

Phone: 1-877-744-6626

## ARRL President Issues Call for Members to Reach Out to their Senators to Support S. 1534

(Reprinted with approval from the ARRL)



ARRL President Rick Roderick, K5UR, is calling on League members to urge their US Senators to support the Amateur Radio Parity Act of 2017, S. 1534. ARRL has opened a RallyCongress page to simplify the task.

"We are at a crossroad in our efforts to obtain passage of The Amateur Radio Parity Act," Roderick said. He said the campaign to secure passage of the bill scored a major victory earlier this year when H.R. 555 passed unanimously in the US House of Representatives. Obtaining passage of the companion Senate bill, S. 1534, is the final legislative hurdle.

"Now is the time for all hams to get involved in the process!" Roderick said. "Many of you already live in deed-restricted communities, and that number grows daily." He urged radio amateurs now restricted by a Homeowners Association from installing effective outdoor antennas to visit the RallyCongress site and e-mail their two US Senators. He also encouraged those not now affected by deed covenants, conditions, and restrictions (CC&Rs) to support their fellow radio amateurs by doing the same.

"If you want to help create an opportunity — not available before now — for Amateurs who live in deed restricted communities to install effective outdoor antennas on property that they own or lease, send these e-mails today!" Roderick said. "We need you to reach out to your Senators today. Right away."

S. 1534 was introduced in the US Senate on July 12, marking another step forward for this landmark legislation. Senators Roger Wicker (R-MS) and Richard Blumenthal (D-CT) are the Senate sponsors. The measure will, for the first time, guarantee all radio amateurs living in deed-restricted

communities governed by a Homeowners Association (HOA) or subject to any private land-use regulations, the right to erect and maintain effective outdoor antennas at their homes, while protecting the aesthetic concerns of HOAs.

## Is the Amateur Radio Parity Act of 2017 Good (Enough) for Hams? An Alternate View of the Amateur Radio Parity Act

Jim Talens N3JT, a former FCC attorney and counsel at a large DC law firm, has concerns about the bills as they currently stand. Jim is a part-time south Florida resident and member of the Boca Raton Amateur Radio Club (BRARA). His full article, "Is HR 555 Really Good for Hams?" is published in the August 2017 issue of "CQ-Amateur Radio". Excerpts from his review of the bills are used here with the approval of the author.

"Section 1, Application of Private and Use Restrictions to Amateur Stations, prohibits any HOA restriction that "precludes communications in an amateur radio service." This provision assures that the HOA cannot stop an amateur from using an indoor antenna, a prohibition that some HOAs included in their bylaws. That's a positive. But the provision also gives the HOA power to effectively limit what bands an amateur may use, even indoors, because the provision says that there can be no restriction that precludes communications "in an amateur radio service," not "in any licensed amateur radio band." This means an HOA could permit only operation on 2 meters because that's in the "amateur radio service" and on its face satisfies the Section 1 requirement. Moreover, for those with exclusive-use properties (private homes), the HOA will be incentivized for aesthetic reasons to limit the size of any outdoor antenna."

"Section 2 prohibits restrictions against an "effective" outdoor antenna. What is an effective outdoor antenna? It may not be easily defined, but certainly a 2-meter whip is an effective outdoor antenna for communication in an amateur radio service. Combine it with Section 1 and you satisfy the two bill requirements: an effective outdoor antenna (it's long enough for 2 meters) in an amateur radio service."

"Section 3, Application of Private Land Use Restrictions to Amateur Stations, Section (b)(1), requires an amateur licensee "to notify and obtain prior approval from a community association concerning installation of an outdoor antenna." Anybody who lives in a CC&R community knows that prior approval will not come readily, to say the least. What if there is no response at all to the request, or the HOA has no standards for approving antennas? Is that tacit approval, or tacit denial? "

"One legal consequence of H.R. 555 is that a deed-restricted resident who has been successfully using an outdoor stealth wire antenna for years without permission now moves from possible risk of contract breach to the realm of federal law violation. If there is failure to seek and obtain prior approval for an antenna through the HOA, the property owner is in violation of the statute and associated federal regulations (FCC rules). "

"Under H.R. 555 Section (b)(3), an HOA is permitted to establish reasonable rules concerning height, location, size and aesthetic impact of outdoor antennas. Going further, Section (b)(2) permits the HOA to prohibit installation of an antenna on common property not under the exclusive use or control of the licensee. Thus, an amateur cannot expect approval from an HOA to erect an antenna .... on the roof of a multi-story building ... on the roof of a duplex condominium ... or on a sliver of adjoining land to his stand-alone house in a deed-restricted community."

"Put simply, H.R. 555 does little to help amateurs and risks permanently assuring, with the imprimatur of federal law, that many HOA dwellers (especially those in high rises and townhouses) will not be able to erect useful outside amateur radio antennas."

NOTE: The views in this article are those of the author, Jim Talens, and not necessarily those of the West Palm Beach Amateur Radio Group, its officers or board members.

## WPBARG Sponsored License Exams



We offer VE (Volunteer Examiner) test sessions for FCC amateur radio licenses on the first Saturday of even months and after club sponsored test review sessions. The tests are given at the South Florida Science Center and Aquarium (SFSC&A), 4801 Dreher Trail North, West Palm Beach, FL 33405 in the Discovery III building just outside the Center. Test time is 2:00 PM for regularly scheduled exams and 10 AM after test classes.

What to bring with you:

1. ARRL Test Fee of \$15.00 in cash, check or money order
2. A Legal Photo ID. (Driver's License or Passport) If not available see below. \*
3. Social security card or something with your SSN on it or an FCC issued FRN (FCC Registration Number).
4. CSCE (Certificate of Successful Completion of Examination) if you have one from a recent test or if you already have an Amateur Radio License bring a copy of it.
5. Calculator (battery operated). If it is a programmable calculator all memories must be cleared before the test.
6. A pen to fill out the FCC 605 Form.
7. Two #2 pencils with erasers to fill out the test answer sheets.

If you come close and do not pass you may retake the test immediately but this requires another test fee.

\* If no photo ID is available bring two of the following:  
Non-photo legal ID birth certificate (must have the appropriate seal) social security card, library card,

utility bill, bank statement or other business correspondence that specifically names the person; or a postmarked envelope addressed to the person at his or her current mailing address as it will appear on the FCC Form 605.

Our coordinator for VE Test sessions is Bob Hagans W4SOG. Pre-registration is preferred but walk-ins are accepted. Contact Bob at (561) 308-6943 or [roberthagans95@gmail.com](mailto:roberthagans95@gmail.com).

The next scheduled test sessions are October 7, 2017 and again on December 2, 2017 at 2 PM.

## Weekly Breakfast at Tom Sawyer Country Restaurant

"Gooooood Morning All You Great Hams" is a greeting you may see regularly in your email in-box from our President Jerry Grant KI4NUV. Jerry is reminding everyone that we meet for breakfast every Sunday morning at the famous Tom Sawyer Country Restaurant, located at 3208 Forest Hill Blvd. in West Palm Beach. Most of the folks get there at 9 AM and are pretty much finished by 10:15. Good food, good conversations and a chance to see some of your WPBARG friends. Why not join us and see if you, too, may become a regular.



Picture from Recent Breakfast

## Upcoming Hamfests

### Ft. Pierce Hamfest

Date: August 12, 2017  
Time: 8 AM - 1 PM (6 AM setup)  
Location: Indian River State College  
3209 Virginia Avenue  
Fort Pierce, FL 34945

Website: <http://FPARC.org>  
Sponsor: Fort Pierce Amateur Radio Club  
Talk-In: 147.345 (PL 107.2)

Admission: \$7  
Public Contact: John Sweigart , KK4SHF  
4103 Smokey Pines Court Fort Pierce, FL 34951  
Phone: 772-905-3552  
Email: [johnsails@hotmail.com](mailto:johnsails@hotmail.com)

VE Testing  
Forums  
DXCC Card Checking  
Grand Prize and Hourly prizes  
All Indoors and Air Conditioned

### Melbourne Hamfest and ARRL State Convention

Dates: October 13-14, 2017 (Friday and Saturday only)  
Times: Fri 1-7 PM, Sat 9 AM - 3 PM  
Location: Melbourne Auditorium  
625 E. Hibiscus Blvd  
Melbourne, Florida 32901

Website: <http://www.pcars.org/hamfest/2017/>  
Sponsor: Platinum Coast Amateur Radio Society (PCARS)  
Talk-in: 146.85 -600KHz repeater - NO PL Tone  
Admission: Tickets \$6 until Sept. 30, \$7 after. Age 12 and Under Free.

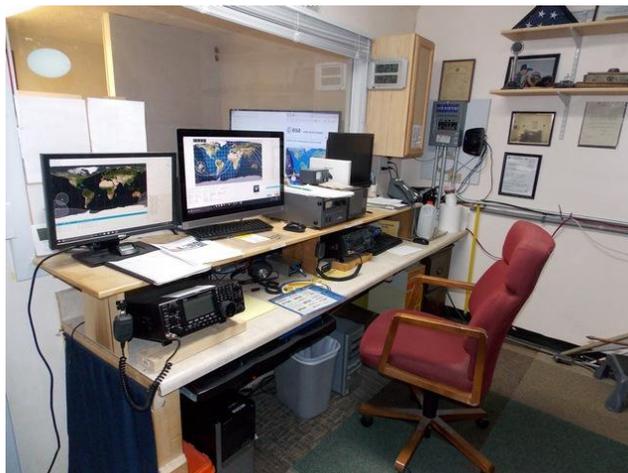
Forums and Meetings  
WPBARG Member and ARRL CEO Tom Gallagher NY2RF will speak on Friday about Emergency Communications  
Main Prizes and Hourly Door Prizes will be awarded  
ARES Badging - will be available all day Saturday  
VE Testing  
DXCC QSL CARD Checking at the ARRL Table

### WPBARG Board Minutes

Minutes from the Board of Directors meetings are regularly posted to the club's web site under "Our Documents". Thanks to club secretary John Stucka N3JM for providing the minutes. The Treasurer's Report, supplied by Richard KM4RYM are included in the minutes. Here is a link to the Documents page:  
<http://wpbarg.com/clubDocs.aspx>

### Pictures of Our Shack

We recognize that many of our members never get a chance to visit our shack at the South Florida Science Center and Aquarium. So, for those that don't know what our shack looks like, here are some pictures.



Outside Display (Left)





**Outside Display (Right)**