



# THE PROPAGATOR

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

**JUNE 2016**

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## UPCOMING GSARA MEETINGS

The next GSARA meeting will be on **Wednesday, June 1 at 7:30 PM** at the Red Cross. The program features our own Art Olson, N2AJO who will talk about listening to remote receivers throughout the world via the internet with WebSDR and using Hamsphere to operate on the internet. Light refreshments will be served and guests are welcome.

The second meeting in June will be held on **Wednesday, June 15 at 7:30 PM** at the Red Cross. This will be a regular business meeting. Refreshments will be served.

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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 first four sessions in May we had 23 check-ins for an average of 5.75 per session. The following 12 members checked into this net at least once (number of check-ins in parenthesis):

N2HGI (4), W2OD (4), K2ARK (3), N2JFL (2), W2LAF (2), KC2YNL (2), N2BMK (1), KD2EPA (1), KA2F (1), K2KDC (1), W2MAZ, (1) and K2REM (1).

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

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## VE TEST SESSION JUNE 25

The GSARA monthly test session will be held at the Red Cross on Saturday, June 25 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](mailto:n3rb@arrl.net).

## WELCOME NEW MEMBERS

Please welcome Al Schnabolk, W2OIB from Tinton Falls for again joining GSARA. Licensed since 1952, he holds an Extra class license and is active on CW and SSB on most bands. He is an avid DXer and enjoys contests. He and his father, W2IBG (SK) were both members of GSARA in the early 1950s. A member of the ARRL, Al also enjoys hydroplane boat racing.

Please welcome Matthew Capozzoli, N2UG from Asbury Park for again joining GSARA. Licensed since 2012, he holds an Extra Class license and is a member of the ARRL. Matthew is active on 2 meter FM as well as 20 and 40 meter SSB. He is an auto technician who likes to fix almost anything. He is interested in APRS, slow-scan TV, and satellite DX.

Please welcome Tom Massano, W2TBD from Brick to the GSARA. Tom has been licensed since 2015 and holds a Technician Class license. He is on 2 and 10 meters with an Icom 5100 and a Ranger 2970N4. He is employed as a data storage consultant and is interested in the Red Cross and learning more about amateur radio.

Please welcome Tom Bassi, KD2KEO from Monroe to the GSARA. Tom holds a General Class license and is active on 2 meter FM and 20/40 meter SSB with a Yaesu FT-950, a Kenwood TS-711 and Kenwood TS-440. He is a Systems Engineer, an ARRL member and interested in traffic nets, astronomy and high-end audio.

Please welcome John Glynn, KD2KZB from Tinton Falls to the GSARA. John just earned his Technician license and is not yet on the air. He is an electrical engineer.

A warm welcome to all five of these new members. They have been included on the May 19 Roster recently sent to all members.

## 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 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

You may have noticed a June 6 birthday on the calendar on the back page for W2PAT but he is not on the latest GSARA Roster. Many old-timers will remember Marv, W2PAT as a member of GSARA since its earliest days. In fact, he is mentioned in the "Twenty Years Ago" article on page 8 as giving a talk to GSARA about DSP. Marv moved to South Carolina some years ago and thus dropped his membership in GSARA. He is doing well in South Carolina with a daughter living nearby and I learned that he will be 101 years old on June 6. I thought it would be nice for GSARA to send him a birthday card for his 101<sup>st</sup> birthday. To that end, I plan to bring a card to the June 1 GSARA meeting and have members sign it before sending it to him. By the way, it was Marv who set up the digipeater and hub at the UPS tower which is now under GSARA control. It is maintained by Marv's son, Ralph, KC2WAD.

I'm looking forward to seeing Art, N2AJ0 demonstrate WebSDR and Hamsphere at the June 1 meeting. I checked out WebSDR and found it fascinating to tune and listen to short wave receivers in other parts of the world.

The GSARA Hamfest was a huge success (see page 5). Congratulations to Rem, K2REM and his team of GSARA volunteers who kept things moving smoothly in spite of the food truck not showing up.

Also special thanks to the five GSARA members who helped with the communications for the NJ Marathon (see page 6).

I am especially impressed with the South Jersey Radio Association celebrating their 100<sup>th</sup> anniversary in June (see page 6). Listen for members with the /100 after their call and work them between June 10 and 19th. Especially try to work the club's K2AA station.

I go back to the 18<sup>th</sup> century to describe how the battery was invented by Volta (see page 7). This was a pivotal invention that opened the door to a raft of electrical discoveries in the early 19<sup>th</sup> century which will be covered in subsequent issues of *The Propagator*.

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 MAY 4 MEETING

By Bob Buus, W2OD, Secretary

President Howard Suffill, W2HTS was absent so Vice President Rem, K2REM called the meeting to order at 7:30 PM at the Red Cross. There were 17 members present. After the pledge to the flag, all present introduced themselves and commented on recent amateur radio activities.

A motion was made by Bob, W2OD and seconded by Art, W2NAZ to have our program presentation before conducting any business. This is to take advantage of the light outside in back of the Red Cross so Chris, W2NQB can properly demonstrate his air cannon. The motion passed unanimously.

### Program

Everyone gathered in back of the Red Cross building to see Chris Wantuck, W2NQB demonstrate his air cannon made with sections of PVC pipe. When charged to about 30 psi, the cannon was capable of shooting a lead fishing sinker dragging a monofilament fishing line over the tallest trees behind the Red Cross. The fishing line can then be used to pull a sturdier line up over the trees and that sturdier line used to pull up a wire antenna. Chris offered to help anyone who would like to utilize the cannon to get a wire antenna sufficiently high in a tree.

Although Chris bought his air cannon fully assembled, it looked rather easy to build one from scratch with materials purchased from Home Depot. The firing of the cannon was not so noisy that it might spark the ire of your neighbors.

### New Members

An application for membership was received with payment of \$17 from Tom Massano, W2TBD from Brick. Tom has been licensed since 2015 and holds a Technician Class license. He is on 2 and 10 meters with an Icom 5100 and a Ranger 2970N4. He is employed as a data storage consultant and is interested in the Red Cross and learning more about amateur radio.

An application for membership was received with payment of \$17 from Tom Bassi, KD2KEO from Monroe. Tom holds a General Class and is active on 2 meter FM and 20/40 meter SSB with a Yaesu FT-950, a Kenwood TS-711 and Kenwood TS-440. He is a systems Engineer, an ARRL

member and interested in traffic nets, astronomy and high-end audio.

An application for membership was received with payment from John Glynn, KD2KZB from Tinton Falls. John just earned his Technician license and is not yet on the air. He is an electrical engineer.

An application for membership was received with \$15 payment from Matthew Capozzoli, N2UG from Asbury Park. Matthew was previously a GSARA member and is a member of the ARRL. Licensed since 2012, he holds an Extra Class license and is active on 2 meter FM as well as 20 and 40 meter SSB. He is an auto technician who likes to fix almost anything. He's interested in APRS, slow-scan TV, and satellite DX.

A motion was made by Art, N2AJO and seconded by Chris, W2NQB to accept these four applications. The motion passed unanimously.

### Hamfest

Rem, K2REM reminded us that the GSARA Hamfest is coming on Sunday, May 15. We have a food truck! Bruce, K2QXW and Bob, W2OD again volunteered to control the gate. (Bob, W2OD later had to drop out but John, KC2YWL took his place.) Howard, W2HTS will have his truck at the Red Cross by 6:30 am to bring tables and supplies to the site.

### Field Day

Joe, W2KQ offered to chair Field Day this year which is on June 25-26. John, KA2F suggested we run only 3 stations instead of 4 because of lack of enough operators.

To ease putting wire antennas in the trees, John, KA2F suggested we get someone to put a pulley (or "D" ring) in the trees with a rope. A motion was made by Art, W2NAZ and seconded by Syd, KG2CM to spend no more than \$100 to put a permanent pulley in the trees. In the discussion which followed, Bruce, K2QXW asked about whether we had sufficient insurance to cover such an activity. By the subsequent vote, the motion was defeated.

### Old Business

John, KA2F reviewed the role that amateurs played in providing communications for the NJ Marathon. Nine amateurs participated of which 5

were GSARA members. Special thanks were extended to the GSARA participants – John, KA2F; Len, WA1PCY; Anthony, K2ARK; Art, N2AJO; and Matthew, N32UG.

#### New Business

Rem, K2REM brought up that since the W2GSA repeater is used for ARES/RACES, we should have some sort of backup power for emergencies. He offered to look into possible options.

#### Announcements

Mike, K1MH announced that the question pool for the Extra Class exam will change on July 1 so those studying for the exam should take it before that date.

John, KB2MAB has a disc of an early GSARA Field Day and he offered to make a copy for the club.

#### Close

The 50/50 of \$17 was won by John, KC2YWL. There being no further business, a motion was made by Art, N2AJO and seconded by Len, WA1PCY to adjourn the meeting which was closed at 8:43 pm.

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## **MINUTES OF MAY 18 MEETING**

### **By Bob Buus, W2OD, Secretary**

President Howard Suffill, W2HTS called the meeting to order at 7:34 PM at the Red Cross. There were 14 members and two guests present. The guests were Alan Schnabolk, W2OIB from Tinton Falls and Phil Festa, N2EDX from Freehold. After the pledge to the flag, all present introduced themselves.

#### Health and Welfare

Bob, W2OD reported that Ralph, KC2YNL is home from the hospital and recovering but still doesn't feel well.

Alan, W2NIR reported that GSARA member Dave Ottenberg, WA2DJN is having knee replacement surgery on May 19. Cy, K2CYS will be notified so a card can be sent.

Milton Trzaska, WA2QIQ from Clarksburg became a silent key on May 4.

#### Secretary's Report

A motion was made by Joe, W2KQ and seconded by Rem, K2REM to accept the minutes of the last meeting as they will be published in the June Propagator. The motion passed unanimously.

#### Treasurer's Report

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

#### Hamfest Committee

Rem, K2REM reported that the May 15 Hamfest was successful with a net profit of \$984.90 of which \$437 is from sales at the club table and the rest is from the Hamfest itself. Gate receipts were \$755. We had 23 vendors and 93 buyers.

The food truck did not show up so we had to scramble to buy donuts and make coffee. In spite of this glitch, we ended up making \$48.90 on food sales. Rem, K2REM thought that Sunday worked better than Saturday for the Hamfest and recommended we hold our fall Hamfest on a Sunday. The date for the fall Hamfest has not yet been set.

The drawing of a name of those who worked at the hamfest resulted in John, KC2YWL winning the prize of a \$50 gift certificate from ARRL.

#### Field Day Committee

Howard, W2HTS reported that it looks like we will operate Field Day on June 25-26 as category 3F. The 40 meter station will be outside in a tent (or trailer), the CW station in a Red Cross conference room, and the phone station in the radio shack. The GOTA station and VHF station will also be in the radio shack. Sign-up sheets for operating time will be available at the next meeting on June 1.

John, KA2F has agreed to be responsible for food as he was last year. A motion was made by Marty, N2BMK and seconded by Hunter to authorize a total of \$400 to cover all Field Day expenses. The motion passed by a 13 to 1 vote.

#### New Business

Art, W2NAZ mentioned that InfoAge is planning on opening the TIROS building (under the dish antenna) to the public on Wednesdays, Saturdays, and Sundays and needs volunteer docents to staff the building and be available to answer questions and provide information. This

activity will be coordinated by OMARC but help from GSARA members would be appreciated.

It was asked by Marty, N2BMK if GSARA would be participating in National Parks on the Air this year at Sandy Hook. John, KA2F is looking into it and will report at a subsequent meeting.

#### New Member

An application for membership was received from Al Schnabolk, W2OIB from Tinton Falls with payment of one year's dues and a QSL card. Licensed since 1952 and currently holding an Extra Class license, Allan is retired and active on DX and contests. A member of the ARRL, he is also interested in hydroplane boat racing. A motion was made and seconded to accept Allan as a member and the motion was unanimously approved.

#### Announcements

Hamfest pictures should be sent to Cy, K2CYS for posting on the GSARA web site.

The W2GSA repeater will be used on Saturday, May 21 for the MS-170.

A sign-up sheet was circulated for those desiring a GSARA badge.

#### Close

The door prize of \$17 was won by Matt, W2AOJ. There being no further business, a motion was made by Rem, K2REM and seconded by Marty, N2BMK to close the meeting which was adjourned at 8:29 pm.

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### **MILTON TRZASKA, WA2QIQ - SK**

Milton L. Trzaska, WA2QIQ of Clarksburg, passed away Wednesday, May 4, 2016 at Robert Wood Johnson Hospital in Hamilton. He was 72. Born in Rehoboth Beach, DE, Milton was a long time Clarksburg resident. A [US Navy](#) veteran serving during the Vietnam era, Milton retired from Lockheed Martin where he worked as an engineer. He was an Advanced Class Amateur Radio Operator with the call WA2QIQ. He was a member of the ARRL, the American Legion, the Joint Base MDL Rod and Gun Club and the NRA.

Son of the late, Milton and Helen Trzaska, Milton is survived by his wife of 50 years, Charlene F. Trzaska; his son, David M. Trzaska of

Concord, NH and his sister, Joan Jarvis of Newark, DE.

Interment in Brigadier General William C. Doyle Veteran's Cemetery will be private under the direction of Peppler Funeral Home, Allentown.

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### **LARRY L. FREY, KD2BAJ - SK**

Larry L. Frey, KD2BAJ of Belmar passed away on May 18, 2016 at the age of 67. Larry was born in West Virginia before moving to Belmar in 1963.

He was predeceased by his parents, his brother, William, and his identical twin brother, Gary in 2006. He enlisted in the Marines in 1968. He will be remembered for his love of amateur radio as KD2BAJ and the many great friends he made along the way. He was well loved and admired by all, helping everyone, no matter what the job entailed while enjoying every moment.

Surviving is his wife and high school sweetheart of 48 years, Louise; daughter, Lori (Beak); son, Larry II (Bum), and his wife, Mary Anne; his nephews, Gary and William and their children.

A Celebration of Life was held on Wednesday, May 25, 2016 at the O'Brien Funeral Home, 2028 Hwy 35, Wall. In lieu of flowers, please send donations in his name to the ASPCA for his beloved cat, Miss Elizabeth or to the Semper Fi Fund. For more information or to send condolences to the family please visit <http://www.ObrienFuneralHome.com>

"Indeed", mmmBye now.

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### **GSARA HAMFEST A SUCCESS**

The GSARA Hamfest on Sunday, May 15 was a success with the best attendance in many years. We collected \$755 at the gate from buyers and sellers. The food truck did not show up so we had to scramble to provide coffee and donuts. We ended up making \$48.90 on food. We made \$94 on the 50-50 and sold \$427 worth of equipment at the club table. Subtracting expenses of \$350 left a net profit of \$984.90. Hats off to Rem, K2REM and his 13 GSARA member helpers for making this such a success! Let's hope that the fall Hamfest is as successful!



## SJRA CENTENNIAL JUNE 10-19

As part of its Centennial activities, the South Jersey Radio Association (SJRA) will host a 10-day QSO party, June 10-19. Founded on June 12, 1916, in the home of William G. Phillips in Collingswood, New Jersey, the SJRA dates back to the very early years of wireless. The association became an ARRL-affiliated club in 1920. A [timeline](#) on the SJRA website offers more information about the club's rich history. The QSO party will offer other radio amateurs a chance to join the celebration and become centennial members of SJRA. The club will offer various awards. Participants can use just about any mode and operate from QRP to high power. Bonus points are awarded for logging an SJRA member station, identified by "/100" appended to the call sign, or by working the club's K2AA station. Complete [rules and logging details](#) are on the SJRA website.

From *The ARRL Letter*, May 19, 2016

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## INFOAGE LOOKING FOR DOCENTS

InfoAge is planning on opening the TIROS building (under the dish antenna) to the public on Wednesdays, Saturdays, and Sundays and needs volunteer docents to staff the building and be available to answer questions and provide information. This activity will be coordinated by OMARC but help from GSARA members would be appreciated. Contact Art, W2NAZ if interested.

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## NJ MARATHON WAS MAY 1

Nine amateurs participated in the NJ Marathon on May 1 of which 5 were GSARA members. Special thanks to the GSARA participants – John, **KA2F**; Len, **WA1PCY**; Anthony, **K2ARK**; Art, **N2AJO**; and Matthew, **N2UG**.

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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.

## THE DOCTOR WILL SEE YOU NOW!

"Hunting Down Interference" is the topic of the new (May 19) episode of the "[ARRL The Doctor is In](#)" podcast. Listen...and learn!

Sponsored by [DX Engineering](#), "ARRL The Doctor is In" is an informative discussion of all things technical. Listen on your computer, tablet, or smartphone, whenever and wherever you like!

Every 2 weeks, your host, *QST* Editor in Chief Steve Ford, WB8IMY, and the Doctor himself, Joel Hallas, W1ZR, will discuss a broad range of technical topics. You can also e-mail your questions to [doctor@arrl.org](mailto:doctor@arrl.org), and the Doctor may answer them in a future podcast.

Enjoy "ARRL The Doctor is In" on [Apple iTunes](#), or by using your iPhone or iPad podcast app (just search for "ARRL The Doctor is In"). You can also listen online at [Blubrry](#), or at [Stitcher](#) (free registration required, or browse the site as a guest) and through the free Stitcher app for iOS, Kindle, or Android devices.

If you've never listened to a podcast before, download our [beginner's guide](#).

From *The ARRL Letter*, May 19, 2016

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## DSO FOR HAMS NOW ON E-BOOK

The ARRL's newest e-book is *Digital Storage Oscilloscopes for Ham Radio*, by Eric Nichols, KL7AJ. This rapidly developing instrument is finding its way into the Amateur Radio station in many useful and interesting ways. "Recent developments in technology have brought the price of this marvelous class of instruments into the range of every radio amateur's budget," Nichols said. "A limitless variety of routine and exotic tasks in the ham shack can be performed with the aid of the DSO." *Digital Storage Oscilloscopes for Ham Radio* is an introduction to the capabilities of the DSO. To order, [download the e-book](#) in the Kindle format from [Amazon](#).

From *The ARRL Letter*, May 12, 2016

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## RALPH, KC2YNL AILING

Ralph Ciappa, KC2YNL has been in and out of the hospital with the doctors having difficulty controlling his blood sugar. Please pray that he will be feeling better soon.

## FROM FROG LEGS TO BATTERIES

By Bob Buus, W2OD

Our story begins with an Italian Medical Doctor and Surgeon named Luigi Galvani (b. 1737 – d. 1798) who lectured at the University of Bologna. In 1780, Galvani noticed that a dead frog would twitch as if alive when “zapped” with a static discharge. He hypothesized that electricity might be what causes life and movement and called it “animal electricity”. For the rest of his life, he conducted many experiments to learn more about animal electricity. By 1790, he published results of experiments conducted on a pair of dead frogs legs suspended on a brass hook with an iron wire connected to the brass hook. He found that if he touched the other end of the iron wire to the other extremity of the frog’s leg, the leg muscle would contract and the leg move upward.

Alessandro Volta (b. 1745 – d. 1827), a contemporary friend (and later rival) of Galvani, taught Physics at the University of Pavia. Volta repeated Galvani’s experiments and got the same results proving the existence of animal electricity. However, as Volta thought about the experiments in more detail, he concluded that the movement was not caused by animal electricity but was instead the result of the dissimilar metals inserted into the frog muscle causing the electric current to flow.

The argument over animal electricity raged for years but in 1799 (a year after Galvani’s death), Volta demonstrated what he called a Galvanic cell which was a wine glass filled with salt water and containing a copper electrode separated from a zinc electrode. Each electrode had an iron wire attached and the other end of the iron wires went to opposite ends of a frog’s leg and caused the muscle to contract just like the animal electricity experiments conducted earlier by Galvani. In this case the electricity came from the Galvanic cell and was not internal to the frog’s leg.

In 1800, Volta further improved on the Galvanic cell by making a “dry” version with a copper plate separated from a zinc plate with a blotter paper soaked in brine (or a weak acid). This Galvanic cell (later also called a Voltaic cell) was the first source of continuous (rather than static) electricity.

Volta went on to stack several of these new Galvanic cells in a pile to enhance the “force” (we now call it voltage) of the pile. The Voltaic pile served as a very versatile source of electricity with the available power proportional to the size of the metal plates and the force or voltage determined by the number of plates stacked in the pile. Recalling that Ben Franklin called a collection of Leyden jars a “battery”, it wasn’t long before a Voltaic pile was referred to as a battery. In fact, we often incorrectly refer AA, C, and D dry cells as “batteries” but technically a battery is a collection of cells. So we have 6, 9, and 12 volt batteries but the 1.5 volt dry cell is a Galvanic or Voltaic cell and not a battery.

After his death, Galvani was honored by having the galvanometer named after him as well as galvanizing of steel. The author Mary Shelly heard a lecture about Galvani’s work shortly before she wrote the novel “Frankenstein”. The Voltaic pile or battery was used by many experimenters in the 19<sup>th</sup> century to make major discoveries about electricity. Volta is honored for his discoveries by having the unit of electromotive force, the Volt being named after him. So now you know.

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## INTRUDING SIGNALS ON HAM BANDS

The International Amateur Radio Union Region 1 Monitoring System [April newsletter](#) chronicles a plethora of intruding signals heard on exclusive Amateur Radio allocations in Europe and Africa, many of these also affecting the bands in IARU Regions 1 and 3. The most significant interfering signals originate from over-the-horizon (OTH) radars in China and Russia and affect 40, 30, 20, and 15 meters.

The newsletter also recounts monitoring stations' reports of voice traffic on several bands from fishing operations in various parts of the world, telemetry from marine buoys, and persistent taxi dispatching traffic from Russia on 10 meters. Pirate (i.e., unlicensed) stations have been reported on 80 meters and elsewhere, and Russian digital military traffic has been monitored on 40 and 20 meters.

IARU Region 1 maintains the world's most active network of volunteer intruder monitors.

From *The ARRL Letter*, May 12, 2016

## CQ FD CQ FD CQ FD

GSARA plans to operate Field Day on June 25-26 as category 3F. The 40 meter station will be outside in a tent (or trailer), the CW station in a Red Cross conference room, and the phone station in the radio shack. The GOTA station and VHF station will also be in the radio shack. John, KA2F has agreed to be responsible for food as he was last year.

Sign-up sheets for operating time will be available at the June GSARA meetings. **We need your commitment to help.** Please reserve this week-end of fun and operating on your calendar.

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## RFINDER TAKES JAMMING REPORTS

*RFinder*, the creator of a web and app-based directory of Amateur Radio repeaters worldwide, now includes the ability to report radio jamming anywhere. This feature is already available in *RFinder's* Android app and should be available for iOS devices by the time of Dayton [Hamvention](#)<sup>®</sup>. Those without a device or subscription can [file reports](#) online. Individuals or entities responsible for coordinating anti-jamming activities can also [request access](#) to view jamming reports for their area.

"Repeater jamming is a problem worldwide, [and] we've created a way of organizing anti-jamming activities worldwide," says Bob Greenberg, W2CYK, creator of *RFinder*. "We are evaluating some automated monitoring technology to integrate in the near future."

*RFinder* includes more than 60,000 repeaters in some 170 countries around the globe. *RFinder* is integrated directly with *EchoLink* on both Android and iPhone and provides the ability to share repeater check-ins on Facebook, Twitter, and APRS. *RFinder* is integrated with RT Systems and CHIRP radio programmers and has a [routing feature](#), where users can find repeaters worldwide over a given route. Video [demos](#) of *RFinder* features are available on YouTube.

[Subscribe](#) to *RFinder* from your iPhone, iPad, or iPod Touch, or from your Android smartphone or tablet. The annual \$9.99 subscription provides access to repeater data worldwide through *RFinder's* collection of apps for Android and Apple devices, and from nearly any web browser.

From *The ARRL Letter*, May 5, 2016

## TEN YEARS AGO

From the June 2006 Propagator: Marty, WN2DX reported that Field Day will be at the Ft. Monmouth baseball field with one high power station feeding a 1000 foot loop supported by the light towers. Vice President Sterling Rodgers, N2GT resigned his position (he had a hip replacement).

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## FIFTEEN YEARS AGO

From the June 2001 Propagator: The Battleship New Jersey in Camden was on the air as NJ2BB for the first time on May 26. A new 6-meter repeater N2CKH/R at 53.43/52.43 (PL 131.8) is on the air from Lakewood. Bill Hudzik, W2UDT becomes the NNJ Section Manager on July 1.

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## TWENTY YEARS AGO

From the June, 1996 Propagator: The Veteran Wireless Operators Association awarded our own Walter Prang, W2HOZ (later KZ5WP) (SK) the prestigious Marconi Gold Metal. Field Day at Tatum Park is being coordinated by Rich Rohloff, KG2CN. Marv Bernstein, W2PAT (who turns 101 in June) put on a program about a Digital Signal Processor and showed how it can pick a signal out of the noise. A 4-page Roster was included which showed 137 members.

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## TWENTY-FIVE YEARS AGO

From the June-July 1991 Propagator: Al Allen, K2LG (SK) took over as Editor and plans to have an issue every two months. Hams must vacate 220-222 MHz by August 27 to make room for commercial users. Jim Pope, WB2QMP started a DX column called "The DX Smoke Room". Past President Bill Saker, KG2U died of a heart attack on June 2.

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## THIRTY YEARS AGO

From the June 1986 Propagator: Clarence, KA2OZA (SK); Gus, WA2PAC (SK); Bud, K2BJA and John, KA2F spent three days watching the lady golfers during the May 16-18 LPGA Tourney in Chatham. John, KA2F handles outgoing DX QSL cards for GSARA. Planning for the Asbury Park 10K run in August took 6 pages and was coordinated by John, KA2F.



## NOTES ON CALENDAR (see next page)

Large Call letters denote birthdays e.g. **K2ARV** June 1. All times are EDST. Contests are listed in the June QST, p. 86.

June 1 – **GSARA Program Meeting** at 7:30 pm at the Red Cross. Art, K2AJ0 will demonstrate and talk about using the internet to access remote receivers (WebSDR) and operating through the internet (Hamsphere). Light refreshments will be served.

June 1 - **WIAW Qualifying Run** at 10 pm (10-35 wpm). See June 2016 QST page 105 and [www.arrl.org/qualifying-run-schedule](http://www.arrl.org/qualifying-run-schedule)

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

June 3 and every Friday – **Lunch at the Blue Swan Diner** in Ocean at noon. Table at back left of Diner.

June 3-5 – **Digifest** on HF digital modes from 8 pm Friday to 7:59 pm Sunday. See <http://www.mixw.net/misc/Digifest>

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

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

June 7 – **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)

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

June 7 and every following Tuesday – **GSARA Net** on 147.045 PL=67 at 8:30 pm.

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](mailto:lpuccio1@comcast.net)

June 9 – **JSARS meeting** in Riverwood Park Rec. Building, Rt. 527 and Riverwood Drive at 7:30 pm.

June 10-19 – **SJRA Centennial QSO Party**, all modes, all bands for 10 days. See page 6 and <http://www.sjra.org>

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

June 11-12 – **ARRL June VHF Contest**, all modes 50 MHz and up from 2 pm Saturday to 10:59 pm Sunday. See <http://www.arrl.org/june-vhf>

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

June 14 – **WIAW Qualifying Run** at 7 pm (10-35 wpm). See June 2016 QST page 105 and <http://www.arrl.org/qualifying-run-schedule>

June 15 – **GSARA Meeting** at 7:30 pm at the Red Cross in Tinton Falls. Regular business meeting.

June 16– **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).

June 17-19 – **All Asian DX Contest**, CW from 8 pm Friday to 7:59 pm Sunday. See <http://www.jarl.org/English>

June 18 – **Kids Day Contest**, Phone from 2 pm to 7:59 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 25 – **GSARA VE Test Session** at 11 am at the Red Cross in Tinton Falls. See page 1.

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

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
			<b>K2ARV 1</b> <b>KC2RRP</b> GSARA Mtg CW Qual. Run	<b>2</b> HCARC Mtg.	<b>3</b> Blue Swan lunch Digifest	<b>4</b> Digifest
<b>5</b> Digifest InfoAge	<b>6</b> <b>W2PAT</b> ARES/RACES 7:30	<b>7</b> OBARC GSARA Net 8:30 QCWA News 9 PM	<b>8</b> Hol. City VE	<b>9</b> JSARS Mtg	<b>10</b> Blue Swan lunch	<b>11</b> OMARC Mtg SJRA QSO Pty VHF Contest
<b>KD2FHT 12</b> VHF Contest SJRA QSO Pty InfoAge	<b>13</b> <b>KA2ZSI</b> SJRA QSO Pty RACES Net 7:30	<b>14</b> CW Qual. Run GSARA Net 8:30 QCWA News 9 PM	<b>KA2F 15</b> <b>W2HAM</b> SJRA QSO Pty GSARA Mtg.	<b>16</b> SJRA QSO Pty JSARS VE.	<b>17</b> SJRA QSO Pty Blue Swan lunch All Asian DX	<b>18</b> SJRA QSO Pty All Asian DX Kids Day
<b>19</b> SJRA QSO Pty All Asian DX InfoAge	<b>20</b> ARES/RACES 7:30	<b>21</b> <b>WB2KCV</b> GSARA Net 8:30 QCWA News 9 PM	<b>22</b>	<b>23</b>	<b>24</b> Blue Swan lunch Field Day Setup	<b>25</b> GSARA VE Test Field Day
<b>26</b> <b>N2LXM</b> Field Day InfoAge	<b>27</b> <b>W2HTS</b> <b>KD2JRO</b> RACES Net 7:30	<b>28</b> GSARA Net 8:30 QCWA News 9 PM	<b>29</b>	<b>30</b>		



G.S.A.R.A.

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FIRST CLASS