



THE PROPAGATOR

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

JULY 2016

UPCOMING GSARA MEETINGS

The next GSARA meeting will be on **Wednesday, July 6 at 7:30 PM** at the Red Cross. The program features a presentation by Bob, W2OD on Phone Operating Ethics. This is based on the IARU publication cited on page 5. Light refreshments will be served and guests are welcome.

The second meeting in July will be held on **Wednesday, July 20 at 7:30 PM** at the Red Cross. This will be a regular business meeting. Refreshments will be served.

GSARA NET 8:30 PM TUESDAYS

GSARA members meet on the Asbury Park repeater every Tuesday at 8:30 pm. In the five sessions since May 24 we had 23 check-ins for an average of 4.6 per session. The following 9 members checked into this net at least once (number of check-ins in parenthesis):

W2OD (5), K2ARK (4), N2HGI (4), N2BMK (3), KA2F (2), K2KDC (2), KG2CM (1), W2LAF (1), and KC2YNL (1).

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

VE TEST SESSION JULY 23

The GSARA monthly test session will be held at the Red Cross on Saturday, July 23 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.

WELCOME NEW MEMBER

Please welcome Phil Festa, N2EDX from Freehold for joining GSARA. Licensed since 1983, he holds an Extra class license and is active on SSTV, Digital Modes and 2 meter SSB. Phil is a member of the ARRL and now an active member of GSARA. Please add to your Roster:

Phil Festa, N2EDX
15 Jennings Ct.
Freehold, NJ 07728
732-677-3022
n2edx@mac.com

Welcome to the GSARA, Phil, N2EDX!

FIELD DAY 2016 RESULTS

GSARA operated Field Day on June 25-26 as category 3F. The 40 meter station was outside in a tent, the CW station in a Red Cross conference room, and the phone station in the radio shack. The GOTA station and VHF station were also in the radio shack. In trying to erect the GSARA tents, the poles were found to be damaged. Fortunately, Chris Dempsey, KC2MTB from the Red Cross offered the use of an inflatable tent and use of a trailer if needed. The tent worked out very well.

We had 26 participants this year and made 742 CW contacts for 1484 points, 88 Phone contacts for 88 points and 17 digital contacts for 34 points. This totals 1606 points but by using 100 watts or less, we multiply by 2 to get 3212 QSO points. Adding the 770 bonus points gives us a total score of 3982. Not bad but we should be able to do better next year.

Last year we were 4F with a score of 4780 QSO points plus 870 bonus points for a total of 5650.

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

Well, another Field Day has come and gone (see page 1). The good news is we had nearly one-third of our members participate. The bad news is that the bands were not too good (especially on Saturday) so we had to work hard for every contact. We made about 70% of the CW contacts we made last year but phone was even worse with only about 40% of the contacts compared to 2015. On a more positive note, we had 17 digital contacts where we had none last year. I would like to thank all the members who participated in any way this year. Your efforts are appreciated! I encourage you to plan to participate even more next year and strive for more QSOs.

It's exciting to anticipate when North Korea is getting on the air (see page 6). We know it will be on SSB and on one of the 20, 15, or 10 meter bands. We also can expect the pile-ups to be fierce. Pray that you hear them while tuning one of the bands and get to work them before they are spotted and the pile-ups start.

Cy is adding a page on our web site to show members engaging in some interesting amateur radio activity (see page 5). The first entry shows the vintage Heathkit station of John, KA2F (also on page 5) which can put out about 50 watts CW. It will be interesting to watch him rack up awards with the 1969 era station.

I'm neither surprised nor disappointed that the FCC decided against issuing lifetime amateur radio licenses (see page 7). I recently renewed for another 10 years and the process was very easy.

On page 7 we go back to the early 19th century when a Danish college professor discovered that a wire carrying dc current could affect a compass needle. Who would have thought that a flowing current would produce a magnetic field? Future articles in *The Propagator* will further refine the relationship between electricity and magnetism as discovered by Michael Faraday, Joseph Henry and James Clerk Maxwell to give us further understanding of the electromagnetic waves we call radio.

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

73 de Bob, w2od@arrl.net

MINUTES OF JUNE 1 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 22 members and one guest present. The guest was Phil Festa, N2EDX from Freehold. After the pledge to the flag, all present introduced themselves and commented on recent amateur radio activities. Len, WA2PCY has gotten back on CW.

New Member

An application for membership was received with payment of \$17 from Phil Festa, N2EDX from Freehold. Phil has been licensed since 1983 and holds an Extra Class license. He is active on SSTV, digital modes and 2 meter SSB. He is employed as a communications technician and is a member of ARRL.

A motion was made by Art, W2NAZ and seconded by Hunter Suffill to accept Ralph as an active member of GSARA. The motion passed unanimously.

Hamfest

An 80 meter coil on the club table was sold for \$40. It turns out that it belonged to Syd, KG2CM and not the club. A motion was made by Tom, N2VFK and seconded by John, KC2YWL to reimburse Syd for the \$40. The motion passed unanimously.

Program

Art Olson, N2AJO discussed how to use the web to enhance your amateur radio experience. Before he got his license, he tried out the amateur radio experience of working HF by using WebSphere as a virtual HF environment. For an annual fee of 30 euros, you can configure a rig and antenna of your choosing and then work the world through the internet. Since no RF is radiated, you do not need a license to use this service (but you do have to pay for it)

Another Web service that Art described is WebSDR which allows free access to various SDR receivers located throughout the world. It's really neat to be able to listen on 20 meters using a receiver in Europe. You can easily check if a particular band is open by tuning a remote

receiver to the frequency you are calling CQ on and listening for your signal.

Field Day

Joe, W2KQ reported that Jim, K2EI has offered to furnish and help install a 40 meter double Zepp in front of the Red Cross for Cy's operation and an 80 meter double Zepp in the back for other bands.

Sign-up sheets for operator hours will be sent by Joe, W2KQ electronically. Operators are urged to reserve their desired operating times. We particularly need operators during the night and into the wee hours of Sunday morning.

John, KA2F will again be in charge of food. He is planning on four meals – lunch and dinner on Saturday and breakfast and lunch on Sunday.

New Business

Former member Marv Bernstein, W2PAT turns 101 years old on June 6. Bob, W2OD brought and circulated a birthday card to be signed by all who care to and will then be sent to Marv.

Winlink 2000 is asking for a donation of \$39. A motion was made by Blair, KD2EPA and seconded by Frank, W2XYZ to donate \$39 to Winlink. The motion passed unanimously.

Announcements

Bob, W2OD announced that the Fair Lawn ARC will have a presentation by Bob Shohet, KQ2M about DXing on Saturday, June 4 at 11 AM in Fair Lawn.

Bob, W2OD also announced that the Delaware0-Lehigh Amateur Radio Club is sponsoring a presentation by Brian Harrison, KN4R analyzing how radio failure led to the disappearance of Amelia Earhart. The presentation will be in Bethlehem, PA on Thursday, June 2 at 7:30 pm.

Finally, Bob, W2OD announced that Hollywood Producer Dave Bell, W6AQ became a silent key on May 13.

Close

The 50/50 of \$23 was won by Hunter Suffill. There being no further business, a motion was made by Tom, N2VFK and seconded by Len, WA1PCY to adjourn the meeting which was closed at 8:40 pm.

MINUTES OF JUNE 15 MEETING

By Bob Buus, W2OD, Secretary

President Howard Suffill, W2HTS called the meeting to order at 7:32 PM at the Red Cross. There were 13 members present. After the pledge to the flag, all present introduced themselves.

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 July Propagator. The motion passed unanimously.

Treasurer's Report

Treasurer John King, KA2F gave the Treasurer's report. A motion was made by Hunter Suffill and seconded by Blair, KD2EPA to accept the Treasurer's report. The motion passed unanimously.

Hamfest Committee

John, KA2F extended Thanks on behalf of the GSARA to Rem, K2REM for running a very successful Hamfest.

Rem, K2REM reported that there is no date set yet for the Fall Hamfest.

Cy, K2CYS suggested that for the next Hamfest in the fall, we grill hamburgers and hot dogs on a hibachi grill.

Field Day Committee

Joe, W2KQ reported that only 4 people have signed up to operate on Field Day. He emphasized that we need many more operators. Set-up will start Friday at 5 pm and continue on Saturday morning. We will install a 40 meter extended Zepp antenna in the front to be used by the 40 meter station in a tent in front of the Red Cross. An 80 meter extended Zepp antenna will be installed in the back of the Red Cross building and will be used by Joe, W2KQ set-up in the conference room. The SSB station in the radio room will use the beam on 20/15/10 and the wire dipole on 40 and 80. The GOTA station in the radio room will use the Comet vertical antenna. The VHF station in the radio room will use the Red Cross 6 meter Ringo Ranger vertical antenna.

Cy, K2CYS will send a news release to the local newspaper. Bob, W2OD will copy the special ARRL Field Day message on CW.

Howard, W2HTS will send the NTS message to the Section Manager, N2SMV.

John, KA2F will be responsible for food as he was last year. He sent his proposed menu to all members.

New Business

It was reported that Ralph, KC2YNL is still ailing. A motion was made by Red, K2REM and seconded by Jeff, N2LXM to make Ralph an Honorary Life Member of GSARA. The motion passed unanimously.

Announcements

John, KA2F has received his 5-Band DXCC award. With receipt of a card from Iran, John now has 273 confirmed DXCC entities. Congratulations.

The VE session scheduled for June 25 has lots of Volunteer Examiners due to it's also Field Day.

Howard, W2HTS fixed the W2GSA repeater by replacing the blown power amplifier. We now have no spare amplifiers.

The XYL of Jeff, N2LXM broke her foot on Mother's Day and is slowly recovering.

Close

The door prize of \$12 was won by Art, N2AJO. There being no further business, a motion was made by Jeff, N2LXM and seconded by Rem, K2REM to close the meeting which was adjourned at 8:21 pm.

PETER QUILICO, N2ICY - SK

Peter Quilico, N2ICY of Long Branch, died Saturday, June 18, 2016 at home at the age of 91. He met his wife while serving in the US Army in Italy during [World War II](#). After leaving the Army, he worked as a self-employed electrician before becoming a heavy equipment operator for the US Naval Ammunition Depot Earle, retiring in 1966. He went on to become both full-time and part-time Code Enforcement Officer for the towns of Long Branch, Tinton Falls, Oceanport and West Long Branch, finally retiring in 1992. He was a member and Past Exalted Ruler of the Long Branch [Elks Lodge #742](#). He was a fan of amateur radio (N2ICY), the Pittsburgh Steelers, the NY Giants and the NY Mets. He loved dogs

and children and would always have a ready smile for them.

He was predeceased by his wife Hilda Ida Quilico in 2008. Surviving are his daughter and son-in-law, Grace and Gary Standorf of Tinton Falls and several nieces and nephews.

Funeral Mass was offered on June 23 at Our Lady Star of the Sea Church in Long Branch. Entombment followed at Woodbine Mausoleum in Oceanport. In lieu of flowers, donation in his memory may be made to the SPCA, 260 Wall Street, Eatontown, NJ 07724.

NEW PAGE ON GSARA WEBSITE

We are starting a new page on the club website. We would love to have a picture of you engaging in your favorite ham radio activity or your latest big project. Take a picture with you in it or not, if you wish, and a full description of what you are doing. We will feature it in the new club page. Send it to me, k2cys@arrl.net.

Cy, K2CYS

KA2F's NEW "OLD" STATION



KA2F's new OLD station, Heathkit HW-16 (restored) and HG-10b VFO set up for 80, 40 and 15 meter bands, just as it was back in Novice days. The HW-16 and companion VFO are remarkably stable, after just a minute or two of warm up when compared to my Tentec Jupiter. The gear dates back to 1969. Using this station KA2F hopes to achieve WAC, WAS, and DXCC on CW, of course.

The HW-16 is not a transceiver but rather a Receiver and Transmitter in a single box. It offers 500Hz filtering and 50 watts output, with full break in.

OPERATING ETHICS FOR AMATEURS

Two Belgian amateurs John, ON4UN and Mark, ON4WW have written an interesting book called "Ethics and Operating Procedures for the Radio Amateur" which has been endorsed by the International Amateur Radio Union (IARU). Both authors are well-known contesters and DXers who have spent a lot of time on both sides of the pile-ups. The IARU would like to see the book distributed throughout the amateur radio community in the whole world. It has been translated into 28 languages so far and 6 more languages are in the works.

The phone part of this book is the basis for the GSARA program at the July 6 meeting. A .pdf version of the book is available at no charge at www.hamradio-operating-ethics.org. At the home page, click on "Versions" in the top black bar and then on the IARU-R2 line click on "English" to download the English version for Region 2. The book is highly recommended for all amateurs from newcomers to old-timers.

ARMY MARS AT 90 BOOK REVIEW

By Bob Buus, W2OD

Army MARS at 90 by William C. Sexton

This recently published book gives an interesting history of Army MARS from its very beginning at Fort Monmouth on November 1, 1925 to the present. Particular emphasis is given to the turbulent last 15 years when the MARS program at times seemed to lose its way and then regain it.

It all began 90 years ago at Fort Monmouth station 2CXL when the Army Amateur Radio System (AARS) was formed with the cooperation of the ARRL and the U.S. Army. AARS quickly proved its worth by responding to domestic floods and hurricanes in the 1920s and 30s. When the Civilian Conservation Corps was formed in 1933, AARS was tasked with setting up stations in each of the 3000 CCC camps throughout the United States and served as the only camp communications in many cases. When WWII broke out, all amateur operations were suspended but the AARS was replaced by the War Emergency Radio Service (WEARS) which operated on 2 ½ meters. After the war, the Military Affiliate Radio System (MARS) was

formed without ARRL cooperation. ARRL formed ARES to meet civilian emergency needs.

MARS service peaked during the Vietnam War when thousands of phone patches were run to provide a means for our active duty troops to communicate with their loved ones. This service continued during the Iraq war buildup and in the early stages of the war. Soon satellite phones and regular cell phones became widely available so the need for phone patches dried up. MARS has since re-emphasized its role in emergencies but with budget cuts and churning of leadership, the way has not been smooth.

The book is available in the GSARA library and is a fairly fast read at only 92 pages and has lots of photographs you may find interesting.

3Z9DX READY TO GO TO N. KOREA

In the wake of a surprise "demonstration" operation from North Korea -- officially the Democratic People's Republic of Korea (DPRK) - - in December, Polish DXer Dom Grzyb, 3Z9DX, is eagerly awaiting the call that will allow him to return to the most-wanted DXCC entity for another brief activation. Just when that will come could be anytime, however. *DX-World* and *The Daily DX* report that Grzyb has received confirmation that North Korea will authorize a 5-day operation, and he is ready to roll as soon as he gets word, which will be on short notice -- just enough time for him to book his flight, grab his gear, and head off. *DX World* reported that no notice would be given prior to the P5/3Z9DX activation itself.

There are other conditions: He may only operate on SSB and on one band, 20, 15, or 10 meters. No decisions will be made until Grzyb gets to the DPRK, however.

Over the course of his unanticipated December 20-21, 2015, 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. The ARRL DXCC Department subsequently approved the P5/3Z9DX operation for DXCC. -- *Thanks to The Daily DX and DX-World*

From *The ARRL Letter*, June 15, 2016

BOUVET ISLAND PLANNED 2017-2018

Three proven and experienced DXpedition leaders of a large team of operators have announced plans to activate Bouvet Island (Bouvetøya), the number 2 most-wanted DXCC entity, in late 2017 or early 2018. Ralph Fedor, K0IR, Bob Allphin, K4UEE, and Erling Wiig, LA6VM, have been working on this project since returning from Peter I (3Y0X) some 10 years ago.

The team has an agreement with R/V *Braveheart* skipper Nigel Jolly, K6NRJ, to provide transportation, a helicopter, pilot, and mechanic. A website is under development.

The group's preliminary plan, submitted to the Norwegian Polar Institute, has been accepted, and a permit will be issued to land on Slakhallet -- a huge glacier that covers the volcanic island. A dependency of Norway, Bouvet is a subantarctic island in the South Atlantic.

The last Bouvet activation was 3Y0E, which took place during a scientific expedition over the winter of 2007-2008. Petrus Kritzinger, ZS6GCM, was the DXpedition operator.

Other Bouvet DXpeditions in the 2016 timeframe had been planned and announced but apparently never came together. Read [more](#). -- *Thanks to The Daily DX*

From *The ARRL Letter*, June 9, 2016

CQ 2016 HALL OF FAME

CQ magazine announced its 2016 *Hall of Fame* inductees as *Hamvention*® 2016 got under way.

CQ DX Hall of Fame honors amateurs who excel not only in personal performance as DXers, but who give back to the hobby in outstanding ways.

- **Nigel Jolly, KC3HAE, and the Crew of the R/V *Braveheart*:** Jolly, his crew, and the *Braveheart* have transported -- and assured the safety of -- many major DXpeditions over the past 15 years, DXpeditions that likely would not have taken place otherwise.
- **Roger Balister, G3KMA:** As manager of the Islands on the Air program since 1985, Balister has seen IOTA grow from a few hundred early participants to more than 10,000 today.

CQ Contest Hall of Fame honors amateurs who excel not only in personal performance as contesters, but who give back to the hobby in outstanding ways.

- **Tod Olson, K0TO:** Founding editor of *National Contest Journal*; past ARRL Section Manager, Vice Director, Director, and International Affairs Vice President.
- **Richard Strand, KL7RA (SK):** A radio astronomer, he took advantage of the quiet northern latitudes, building and maintaining highly competitive contest stations in a very difficult environment. For many hams, he was their only CQ Zone 1 contact.

Formal inductions to the CQ Contest and DX Halls of Fame took place in conjunction with Dayton [Hamvention®](#). Read [more](#).

From *The ARRL Letter*, June 2, 2016

FCC DENIES LIFETIME HAM LICENSE

The FCC has denied the petition of an Arizona radio amateur, who had petitioned for lifetime Amateur Radio licenses. Mark F. Krotz, N7MK, of Mesa, had filed his *Petition for Rule Making (RM 11760)* with the FCC last November, and the FCC invited public comments in February. Krotz wanted the FCC to revise §97.25 of its rules to indicate that Amateur Radio licenses are granted for the holder's lifetime, instead of for the current 10-year term. Hundreds of radio amateurs commented on the petition, but the FCC was not swayed by those favoring the idea.

"Based on our review of the record, we are not persuaded that the petition discloses sufficient grounds for the requested rule change," the FCC said in a June 21 *Order*. "Krotz's primary argument is that extending the term of amateur licenses to the lifetime of the holder would reduce the Commission's administrative and personnel costs, but it is not clear to us that the proposal actually would enhance administrative efficiency." That's because the vast majority of license renewals are submitted online and processed automatically by the Universal Licensing System (ULS), "with minimal staff involvement," the *Order* said. Read [more](#).

From *The ARRL Letter*, June 23, 2016

THE PROFESSOR AND A COMPASS

By Bob Buus, W2OD

After Volta described the Voltaic pile battery (see last month's column), many experimenters constructed them and experimented with continuous (direct) current. One of these was a professor of Physics and Chemistry at the University of Copenhagen (Denmark) named Hans Christian Oerstad (b. 1777 – d. 1851). In April, 1820 he was demonstrating the conversion of chemical energy to electrical energy with a voltaic pile and the subsequent conversion of the electrical energy to heat by running the current through an iron wire. He also had a compass on the demonstration table (he was going to show the students how it always pointed north) and was surprised to find that when current flowed through the iron wire, the compass swung from pointing north to pointing toward the wire. Who would have thought that electricity was related in any way to magnetism?

Upon further experimentation, Oerstad found that the compass pointed one direction perpendicular to the wire when placed above the wire and pointed in the opposite perpendicular direction when below the wire. It was as if the magnetic effect formed a circle around the current-carrying wire. Oerstad published his findings which were read by Andre-Marie Ampere (b 1775 – d. 1836) in France. Ampere published what is now called Ampere's Law in 1823 which states that the magnetic field surrounding a current-carrying wire is proportional to the current flowing in the wire and falls off inversely with the distance from the center of the wire. Ampere also pointed out that forming the current-carrying wire into a loop enhances the magnetic field and winding many turns in a solenoid increases the magnetic field in the center region of the solenoid.

Actually, Ampere's Law is the dc component of the fourth of Maxwell's Equations published 50 years later.

It turns out that Oerstad was not the first to notice that a wire carrying direct current can affect a compass. This was discovered in Italy in 1802 by Gian Domenico Romagnosi who published his observations in a local newspaper which was not widely read by others. So Oerstad gets the credit for his discovery by sharing his observations to the European scientific community. In case

you're curious, yes, Hans Christian Oerstad was a good friend of Hans Christian Andersen (b. 1805 – d. 1875). So now you know.

A LESSON FOR OLD-TIMERS

By Bob Buus, W2OD

When Alan Schnabolk, W2OIB recently rejoined GSARA (he has been a member off and on since 1952), I had the privilege of showing him the W2GSA radio shack at the Red Cross. His eyes were drawn to the silent key plaque where he knew most of those listed. When he saw the listing for Eric Leavens, W2OUS, he exclaimed, "That's the first ham who yelled at me!" Back in 1953, Alan had recently upgraded from WN2OIB to W2OIB and came to a GSARA meeting where Eric yelled at him to send more carefully. It seems Eric was concerned that Alan's sending was not as polished as his and he was afraid that amateurs hearing newcomer W2OIB on the air might think it was old timer Eric, W2OUS. (Note that the calls use the same CW dot dash pattern with the differences being simply a matter of spacing or timing.) I'm sure Eric left the meeting feeling quite satisfied at how he put newbie kid Alan, W2OIB in his place.

I find it interesting that Alan remembers this incident over 60 years after it happened. Certainly it is not pleasant for a 13 year-old to be yelled at by an adult. It also illustrates how Eric is remembered long after he became a silent key (he died in 1959). So even though Eric served as GSARA President in 1954 and he was undoubtedly a good operator, he is remembered by Alan as the "first ham to yell at me".

There is a lesson here for all of us. Do you want the newcomers to remember us after we become silent keys as cranky, crotchety old men or as someone who was friendly and happily shared his knowledge of radio with the newcomers? The choice is yours.

A QUOTE FROM 1955

"It's too bad things are so tough nowadays. I see where a few married women are having to work to make ends meet."

TEN YEARS AGO

From the July 2006 Propagator: Field Day coordinated by Marty, WN2DX was successful with only 8 GSARA members participating. The big loop antenna furnished by Jim, K2EI worked very well. Heavy rain flooded the tent with about 3 inches of water on the floor. Everyone but Jeff, N2LXM left at 10 pm so Jeff operated all night alone on SSB. Rogers Finch, KA2HSU became a silent key on May 5 at age 86. Al Emer, N2YAC was fatally struck by lightning on June 24 at the age of 59. Dayton attendance was similar to the last few years at about 20,000. The cost for the basic DXCC application increased to \$12.

FIFTEEN YEARS AGO

From the July 2001 Propagator: Seymour Krevsky, W2JBI became a silent key on June 3 at the age of 80. The Phil Petersen, W2DME book with all of his programs is available from QCWA Chapter 138 for \$20. Field Day at Tatum Park was coordinated by Marty, WN2DX. National QCWA is sponsoring a Caribbean cruise in October.

TWENTY YEARS AGO

From the July, 1996 Propagator: Field Day at Tatum Park was successful. About one-third of GSARA members participated and we kept 3 transmitters on the air the full 24 hours except for a 2-hour shut down due to thunderstorms. The 2 meter and 70 cm bands were threatened by "little LEOs" (Low Earth Orbiting Satellites). GSARA gained 5 new members in June. The Big Brothers/Big Sisters bike-a-thon had 14 GSARA members help with communications. The FCC authorized 51 1 by 1 call signs to be used in the World Radio Sport Team Championship (WRTC) to be held in California.

TWENTY-FIVE YEARS AGO

The June-July 1991 Propagator was covered last month.

THIRTY YEARS AGO

There was no July 1986 Propagator.

NOTES ON CALENDAR (see next page)

Large Call letters denote birthdays e.g. **K2YWI** July 1. All times are EDST. Contests are listed in the July QST, p. 84.

June 30-July 1 – **RAC Canada Day Contest**, CW and SSB from 8 pm Thursday to 7:59 pm Friday. See <http://wp.rac.ca/category/prog/>

July 1 and every Friday – **Lunch at the Blue Swan Diner** in Ocean at noon. Table at back left of Diner.

July 3 and every Saturday, Sunday and Wednesday – **InfoAge Marconi Hotel** open from 1 to 5 pm on Marconi Road in Wall.

July 3-10 – **10-10 Spirit of 76 QSO Party**, all modes from 8:01 pm Sunday to 7:59 pm the following Sunday. See <http://www.ten-ten.org>

July 4 – **Independence Day**. No ARES Net

July 5 – **Old Barney VE Session** at 6:30 pm in Manahawkin. Contact Urb Le Jeune, W1UL at 609-296-5856 or urb@w2dec.com

July 5 – **Old Barney ARC Meeting** at 7:30 pm in Manahawkin, NJ. See <http://www.obarc.org>

July 5 and every following Tuesday – **GSARA Net** on 147.045 PL=67 at 8:30 pm.

July 5 and every following Tuesday – **QCWA News Net** on 147.045 PL=67 at 9:00 pm.

July 6 – **GSARA Program Meeting** at 7:30 pm at the Red Cross. W2OD will present the IARU PowerPoint presentation about Operating Ethics on Phone. Light refreshments will be served.

July 6 - **W1AW Qualifying Run** at 10 pm (10-40 wpm). See July 2016 QST page 105 and www.arrl.org/qualifying-run-schedule

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

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

July 9-10 – **IARU HF World Championship**, CW and SSB from 8 am Saturday to 8 am Sunday. See <http://www.arrl.org/iaru-hf-championship>

July 11 - **Monmouth County RACES Net** meets on 147.045 +600, PL=67.0 at 7:30 pm.

July 13– **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

July 14 – **JSARS meeting** in Riverwood Park Rec. Building, Rt. 527 and Riverwood Drive at 7:30 pm.

July 16-17 – **North American RTTY QSO Party** from 2 pm Saturday to 1:59 am Sunday. See <http://www.ncjweb.com/NAQP-Rules.pdf>

July 16-17 – **CQ Worldwide VHF Contest**, all modes on 6 and 2 meters from 2 pm Saturday to 5 pm Sunday. See <http://www.cqww-vhf.com>

July 18 - **Monmouth County ARES Net** meets on 147.045 +600, PL=67.0 at 7:30 pm

July 20 – **GSARA Meeting** at 7:30 pm at the Red Cross in Tinton Falls. Regular business meeting.

July 21– **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.

July 22 – **W1AW Qualifying Run** at 7 pm (10-40 wpm). See July 2016 QST page 105 and <http://www.arrl.org/qualifying-run-schedule>

July 23 – **GSARA VE Test Session** at 11 am at the Red Cross in Tinton Falls. See page 1.

July 25 – **Monmouth County RACES Net** meets on 147.045 +600, PL=67.0 at 7:30 pm.

July 30-31 – **RSGB IOTA Contest**, CW and SSB from 8 am Saturday to 8 am Sunday. See <http://www.rsgbcc.org/hf>

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				30 Canada Day Tst	1 K2YWI Canada Day Tst Blue Swan lunch	2
3 InfoAge 10-10 76 Contest	4 10-10 76 Contest Independence Day	5 10-10 76 Contest OBARC GSARA Net 8:30 QCWA News 9 PM	6 10-10 76 Contest GSARA Mtg CW Qual. Run	7 10-10 76 Contest HCARC Mtg.	8 K2QXW Blue Swan lunch 10-10 76 Contest	9 OMARC Mtg IARU HF 10-10 76 Contest
10 IARU HF 10-10 76 Contest InfoAge	11 RACES Net 7:30	12 GSARA Net 8:30 QCWA News 9 PM	13 Hol. City VE	14 JSARS Mtg	15 Blue Swan lunch	16 N.A. RTTY CQWW VHF
17 N.A. RTTY CQWW VHF InfoAge	18 ARES/RACES 7:30	19 AC2FC GSARA Net 8:30 QCWA News 9 PM	20 GSARA Mtg.	21 JSARS VE.	22 Blue Swan lunch CW Qual. Run	23 GSARA VE Test
24 InfoAge	25 RACES Net 7:30	26 AC2MV GSARA Net 8:30 QCWA News 9 PM	27	28	29 Blue Swan lunch	30 RSGB IOTA
31 RSGB IOTA InfoAge						



G.S.A.R.A.

8 DONNER STREET

HOLMDEL, NJ 07733

FIRST CLASS



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