



THE PROPAGATOR

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

JANUARY 2016

UPCOMING GSARA MEETINGS

The next GSARA meeting will be on **Wednesday, January 6 at 7:30 PM** at the Red Cross. The program will feature Ed Shipley talking about radio astronomy. Bring a guest and enjoy the light refreshments that will be available.

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

GSARA NET 8:30 PM TUESDAYS

GSARA members meet on the Asbury Park repeater every Tuesday at 8:30 pm. In the five sessions in December we had 34 check-ins for an average of 6.8 per session. The following 17 members checked into this net at least once (number of check-ins in parenthesis):

W2OD (5), N2HGI (4), K2ARK (3), K2ARV (3), N2BMK (3), KA2F (3), K2KDC (2), KC2YNL (2), N2AJO (1), K2CYS (1), AC2FC (1), KD2JRO (1), N2LXM (1), W2NQB (1), K2QXW (1), W2UTR (1) and KC2YWL (1).

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

VE TEST SESSION JANUARY 23

The GSARA monthly test session will be held on Saturday, January 23 at 11 am at the Red Cross. The fee is \$15 and you should bring the original and a copy of any amateur license presently held and the original and one copy of any credit (CSCE) forms that you have (copies will be sent in with your test results). Also bring 2 forms of ID with one being a photo ID. For more information, contact Rich Bilon, N3RB at 732-972-1397 or n3rb@arrl.net.

GSARA SHACK OPEN SATURDAYS

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

GSARA 2016 DUES ARE NOW DUE

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

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

TU 73, John, KA2F

70th ANN. OF PROJECT DIANA

OMARC will be celebrating the 70th anniversary of Project Diana, the first time radio signals were bounced off the moon, on Saturday and Sunday, January 9 and 10. This will be held at OMARCs Diana site on Marconi Road in Wall Township. All radio amateurs are welcome to stop by and join in the festivities. For more information, contact Jeff Harshman, N2LXM at n2lxm@juno.com or 732-922-0816.

OMARC SHACK OPEN THURSDAYS

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

GSARA OFFICERS

President	W2HTS	Howard Suffill	460-1885
Vice Pres.	K2REM	Rem Hunnewell	531-2970
Secretary	W2OD	Bob Buus	946-8615
Treasurer	KA2F	John King	942-7705
Engineer	W2EPD	George Graulich	255-7916
Webmaster	K2CYS	Cy Stanway	768-7773
Publicity	NJ2H	Bill Shockley	207-4466
Repeater	N2LXM	Jeff Harshman	922-0816
Radio Room Phone			732-493-9100, X1252
Trustees	W2KQ	Joe Dreifuss	493-4236
	W2OD	Bob Buus	946-8615
	W2HAM	Lou Russo	842-6431

FRIDAY BLUE SWAN LUNCHEONS

A number of local radio amateurs meet each Friday at the Blue Swan Diner on Highway 35 south in Ocean Township at noon. Anyone interested in amateur radio is welcome to join us in the sun room at the north end of the diner.

PATCHES

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

OUTGOING QSL CARDS

If any GSARA members wish to combine their QSL cards that are going through the outgoing ARRL Bureau, please bring them to the next GSARA meeting along with the label from a recent QST Magazine (you must be an ARRL member to participate in this program). Ray, WA1FFT will then send them on to ARRL at no charge to GSARA members. It couldn't be much easier than that to QSL. You are registered at the W2 incoming bureau, aren't you?

PROPAGATOR NOW ON THE WEB

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

<http://www.gardenstateara.org>

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

GSARA HOMEPAGE

<http://www.gardenstateara.org>

HUDSON DIVISION HOME PAGE

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

EDITOR'S NOTES

I hope that this issue of the Propagator gets to you in time to remind you about Straight Key Night (SKN) which starts at 7 pm Thursday and runs for 24 hours (see page 4). This is a good time to get some fairly slow CW practice and I have enjoyed previous years with an assortment of home-made keys – some of which didn't work very well. Mechanical "bugs" are now allowed so you might hear some high speed CW but feel free to ignore them and proceed as slowly as you want.

The GSARA Member of the Year luncheon for Cy Stanway, K2CYS (see page 5) was a success with a good turnout. We also surprised Laura, N2HGI with an award for supporting the GSARA net every Tuesday night all year. Congratulations to both of these recipients who have made GSARA a better organization.

Let's all support the White Elephant sale (see page 4) coming up on our March 2 meeting night. This is an excellent opportunity to clean out some of our "junk" and making others happy to acquire new "junque" at the sale.

Kids Day is coming up on January 3 (see page 6) and is an excellent opportunity to invite your children or grandchildren into your shack and get them on the air talking to other kids. You never know who might become a future ham.

Hats off to Art Olson, N2AJO for home-brewing a 20 meter ground plane antenna (see page 7). I built a similar antenna in 1954 and had very good results on 20 meters with it even though we were near the bottom of a sunspot cycle as we are heading now. May you have as much fun with your antenna, Art!

It will be interesting to see if the lure of a free GSARA badge will encourage better attendance at our meetings (see the minutes on page 3). We just met the quorum of 10 for our December 16 meeting so I was disappointed in such poor attendance. Hopefully such poor attendance won't happen again.

John, KA2F is ready to accept your dues for 2016 (see page 1). A bargain at \$15!

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

73 de Bob, w2od@arrl.net

MINUTES OF DECEMBER 2 MEETING

By Bob Buus, W2OD, Secretary

President Howard Suffill, W2HTS called the meeting to order at 7:33 PM at the Red Cross. There were 15 members present. After the pledge to the flag, all present introduced themselves and talked briefly about their recent amateur radio activities.

Health and Welfare

Ralph, KC2YNL is at home recovering from heart surgery. He's looking forward to attending our meetings as soon as the doctor lets him drive.

Old Business

The GSARA Awards Luncheon is on Saturday, December 5 at Ninette's in Tinton Falls. Reservations must be in by Thursday, December 3.

We have run out of GSARA QSL cards. John, KA2F is asking for help in designing a new card. Cy, K2CYS offered to help.

VE Exam

The VE test on November 28 had three candidates taking tests. One passed both the Technician and General, another upgraded to General and a third upgraded to Extra.

Program

The program was presented by Lance Andrew, N2UUS who talked about Electromagnetic Pulse (EMP). He showed an interesting (but scary) video about the consequences of a large EMP hitting America.

Close

The 50/50 of \$13 was won by Lance, N2UUS who donated it back to the club. A second door prize of a clock was won by Tony, KA2ZSI. There being no further business, a motion was made to adjourn the meeting which was closed at 9:15 pm.

MINUTES OF DECEMBER 16 MEETING

By Bob Buus, W2OD, Secretary

President Howard Suffill, W2HTS was absent so Vice President Rem Hunnewell, K2REM called the meeting to order at 7:34 PM at the Red Cross. There were 10 members present so we just

had a quorum. After the pledge to the flag, all present introduced themselves and described what they have been doing recently with amateur radio.

Secretary's Report

A motion was made by Joe, W2KQ and seconded by Marty, N2BMK to accept the minutes of the December 2 meeting as they will be published in the January Propagator. The motion passed unanimously.

A letter was received from Paul Roman thanking GSARA for its participation in the Twin Lights Bike Tour in September. A check for \$250 was included and turned over to Treasurer John, KA2F.

Treasurer's Report

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

Old Business

Rem brought a sample of a GSARA club badge made by Holger. The price is \$5 each if the order is for 5 or more badges (single price is \$8.95). All present liked the badge and 10 members signed an order sheet so Rem can order the first 10. A motion was made by Joe, W2KQ and seconded by Ray, WA1FFT to make these new club badges available at no charge to members in good standing who sign up at a GSARA meeting by May 18. The motion passed unanimously.

Hamfest Committee

The Spring GSARA Hamfest will be in May and again at the MOESC. There was some concern about the \$300 cost but no alternative was known and the site is well-known from previous hamfests. Members thought Sunday might be better than Saturday and might promote a better attendance. It was proposed to select either May 15 or May 22 for the Hamfest after checking on the suitability with KJI Electronics and the ARRL.

New Business

Joe, W2KQ described a white elephant sale and proposed that GSARA sponsor one in March, 2016. He agreed to write-up a proposal for publication in the next Propagator. Howard, W2HTS, who was absent, will be contacted to confirm a suitable date with the Red Cross as we would be using the large conference rooms.

Subsequent to the meeting, the date of Wednesday, March 2 was selected.

Announcement

Ray, WA1FFT has acquired a Heathkit SB-220 linear amplifier and is looking for other's experiences with modifications to this model.

Close

The door prize of \$10 was won by Joe, W2KQ who donated it back to the GSARA. There being no further business, a motion was made by Marty, N2BMK and seconded by Art, KC2CRI to close the meeting which was adjourned at 8:10 pm.

ANNUAL WHITE ELEPHANT SALE

Date March 2, 2016

Time 7:30 PM to 9 PM

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

Talk in on 147.045 + 600 PL 67.0

No Entry Fee and adequate parking.

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

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

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

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

Refreshments & Home Made Baked goods for sale.

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

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

For Information call W2KQ (732)493-4236 or jdrefuss@optimum.net

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

STRAIGHT KEY NIGHT JAN. 1

Every day is a good day to operate on CW, but set some time aside on New Year's Eve and Day to enjoy [Straight Key Night](#) (SKN). The annual event gets under way a 000 UTC on January 1 (New Year's Eve in US time zones). The 24-hour event is not a contest but a day dedicated to



celebrating our CW heritage. Participants are encouraged to get on the air and simply make enjoyable, conversational CW contacts, preferably using a straight (hand) key or a semi-automatic key (bug). Activity traditionally centers on CW segments in the HF bands. There are no points or obligatory exchange. The only requirement is just to have fun!

[Send](#) your SKN list of stations worked and your votes for "Best Fist" and "Most Interesting QSO" by January 31.

Concurrent with the ARRL Straight Key Night, AMSAT will hold its own SKN on OSCAR 2015, this year dedicated to the memory of Ben Stevenson, W2BXA, who died in 2011. No log is necessary, but AMSAT also asks for "Best Fist" nominees via e-mail to [Ray Soifer](#), W2RS.

Stevenson, who was licensed in 1929, was one of the world's top DXers on HF and satellites and held Satellite DXCC No 1. He was the founding president of the North Jersey DX Association.

From *The ARRL Letter*, December 24, 2015

You have to marvel at the unique lunacy of a language in which your house can burn up as it burns down, in which you fill in a form by filling it out and in which, an alarm goes off by going on.

MEMBER OF THE YEAR LUNCHEON

The luncheon for our **GSARA Member of the Year 2015 Cy Stanway, K2CYS** took place December 5 at Ninette's Restaurant, Tinton Falls. It was a wonderful affair with plenty of good food, drink, and especially good friendship. All declared it an outstanding success.



Cy Stanway, K2CYS and his wife Stella as he accepts the Member of the Year award from President Howard Suffill, W2HTS



Laura Clanton, N2HGI accepts the award and flowers for being named GSARA Net Check-In Queen for 2015 as she checked into the GSARA Net on Tuesday nights over 90% of the time.

ATTENDEES honoring Cy and Laura at the luncheon were:

Cy, K2CYS and Stella Stanway
John, KA2F and Helen King
Bruce, K2QXW and Lucille McLeod
Bob, AC2PD and Lucila Mattos
Art, N2AJO and Fran Olson
Howard, W2HTS, Robin and Hunter Suffill

Laura, N2HGI Clanton
Bob, W2OD Buus
Len, WA1PCY Kline
Art, KC2CRI Goldberg
Matt, W2AOJ Bregoff
Glen, KD2GWH Cohen
Chris, W2NQB Wantuck
Tony, KA2ZSI Tarantino
Joe, W2KQ Dreifuss
Rod, N3JAZ Grinnell
Marty, N2BMK Torbert
Blair, KD2EPA Hearth
John, KC2YWL Chunga
Arvind, K2ARV Subramanya

A plaque was created to commemorate the members of the year and will be displayed on our radio room wall of honor. (Stop in soon to see the display.)

**Garden State Amateur
Radio Association**
W2GSA



Members of the Year
2014 Bob Buus W2OD
2015 Cy Stanway K2CYS

Thanks to John, KA2F for the above information.

NORTH KOREA ON AIR BRIEFLY

In an unexpected turn of events, Polish DXer Dom Grzyb, 3Z9DX, who visited North Korea -- officially the Democratic People's Republic of Korea (DPRK) -- this month in advance of a planned Amateur Radio operation early next year, showed up on the air from the most-wanted DXCC entity around 0000 on December 20. During a "demonstration" for North Korean officials, P5/3Z9DX made nearly 800 DXers -- most of them in Asia -- very happy over the couple of days he was on the air. Grzyb operated mostly on 15 meters with some excursions on 20

and 10 meters, SSB only. The P5/3Z9DX preview was the first from North Korea since the 2001-2002 operation by Ed Giorgadze, 4L4FN.

The surprise appearance of P5/3Z9DZ on the air coincided with some of the worst HF conditions in days, if not weeks, no thanks to a geomagnetic storm. Grzyb's visit to Pyongyang this month had been scheduled to iron out the details of his 2016 operation. The radio equipment he took to North Korea remained behind in government hands, as agreed beforehand. A P5/3Z9DX operation from North Korea now is poised to take place in February.

While operating from North Korea, P5/3Z9DX was running 100 W to a vertical antenna mounted on a metal fencepost some 7 feet above the ground among government high-rise buildings. He also was handicapped by high ambient noise levels. During the brief on-the-air stint, government officials came and went, apparently to keep a close watch on things. Grzyb told *DX-World* on December 20 that his "real" DX operation in February might take place from a different location. -- *Thanks to The Daily DX and DX-World.net*

From *The ARRL Letter*, December 24, 2015

KIDS DAY JANUARY 3

The next [Kids Day](#) will be Sunday, January 3, 2016, from 1800 to 2400 UTC. The twice-yearly event, sponsored by the ARRL and The Boring (Oregon) Amateur Radio Club, is an excellent opportunity to showcase Amateur Radio and Amateur Radio satellites to youngsters and even to hand over the keys so they can get some hands-on experience. Share the excitement with your own children or grandkids or youngsters in the neighborhood! For youngsters, their positive ham radio experience may foster an interest that leads them to get licensed one day. For veteran radio amateurs, it's a chance to share their stations and affection for Amateur Radio with the next generation.

To solicit contacts call "CQ Kids Day." The suggested exchange is name, age, location, and favorite color. There is *no* limit on operating time, and stations may work each other more than once if the operator has changed. Repeater contacts (with permission of the repeater's sponsor) are okay too, and satellite contacts may

provide a *real* thrill. Observe [third-party traffic](#) restrictions when making DX contacts.

All participants are encouraged to post stories and photos to the [Kids Day Soapbox page](#) and are eligible to receive a colorful [certificate](#). You can download the free certificate, customized with the youngsters' names, after filling out the Kids Day Survey found on the same page as the certificate generator. Alternatively, you can send a 9 × 12 SASE to Kids Day Certificate Request, ARRL, 225 Main St, Newington, CT 06111.

From *The ARRL Letter*, December 24, 2015

COMPLETE STATION FOR SALE

Yaesu FT-950, 6 to 160 meter transceiver with hand microphone

Yaesu MD-100 desk microphone

Alinco DM 330MV power supply

Signal Link USB integrated soundcard

Off-center fed dipole, 6 to 80 meters

50 feet of coaxial cable

All interconnecting wires for the above

Sale price: \$1000 for complete package

Art Goldberg, KC2CRI 732-580-2098

SSTV EVENT POSTPONED

The Amateur Radio on the International Space Station ([ARISS](#)) Slow-Scan TV event set for December 26-27 has been postponed due to "complications in planning," ARISS has announced. ARISS now is targeting mid-January as the next possible opportunity. This year marks the 15th anniversary of continuous Amateur Radio operations on the International Space Station. The first ISS crew conducted its inaugural ham radio contact from NA1SS in November 2000. The first Amateur Radio on the International Space Station ([ARISS](#)) school contact took place the following month. ARISS will post more information as it becomes available.

From *The ARRL Letter*, December 24, 2015

1912-1920s AMATEUR CALLSIGNS

Amateur and Special Land stations fell into a separate callsign scheme. In fact, they did not qualify for "international" calls, and the

International Bureau at Berne was not notified of their existence. The United States was divided into nine Radio Inspection Districts and these stations received calls consisting of their district number followed by a pair of letters. Regular amateurs received calls whose first letter was from A through W, for example, 8MK. (The 1914 Radio Stations of the United States noted that "The three items-a given figure first, followed by two letters of the alphabet-thus may be combined in 598 different calls, which will probably suffice for the amateur sending stations in most districts for some time to come".) Among the three license classes known collectively as Special Land Stations, X was reserved as the first letter for stations holding Experimental licenses (e.g. 1XE), Y designated stations holding a Technical or Training School license (e.g. 9YY), and Z went to stations operating with Special Amateur licenses (e.g. 8ZZ).

Ron, KX1W

From the web

CW SKIMMER DEVELOPER HONORED

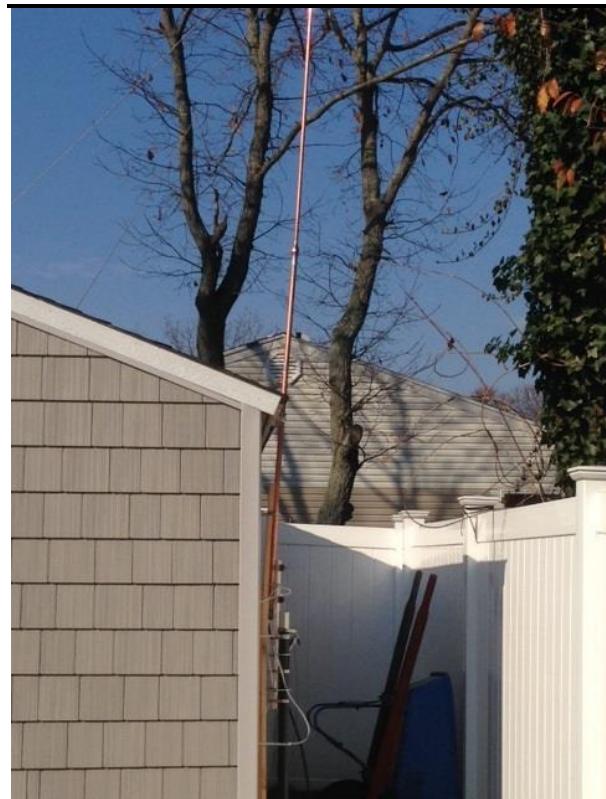
Radio Amateurs of Canada (RAC) honored *CW Skimmer* developer Alex Schovkoplyas, VE3NEA, as its 2014 Radio Amateur of the Year, and he received the plaque on October 31 at the annual [York Region Hamfest](#) near Toronto. Presenting Shovkoplyas with the plaque was the new RAC Ontario South Director Phil McBride, VA3QR. The plaque cites Schovkoplyas for "outstanding and consistent contribution to the welfare of Amateur Radio." A contesting tool, *CW Skimmer* interprets call signs sent in CW over a wide receiver bandwidth and identifies waterfall traces by call sign. The extracted call signs then are exported as DX spots. He's also developed other free software packages for Amateur Radio, including the propagation tool [Ham Cap](#).



From *The ARRL Letter*, December 17, 2015

Why doesn't "Buick" rhyme with "quick"?

GROUND PLANE BUILT BY N2AJO



Art Olson, N2AJO built this 20-meter ground plane antenna and it is working well.

HUDSON DIVISION FUNDS RAISED

I wanted to let you know that we raised slightly over \$4,600.00 at the 2015 Hudson Division Awards Luncheon. The funds raised this year will once again be donated to the ARRL Legislative Issues Advocacy Fund. This fund helps offset the cost of traveling to Washington to advocate for issues that directly affect Amateur Radio.

I'd like to thank the Bergen Amateur Radio Association (BARA) for hosting the event, and all who participated to make this event the continuing success that it is. It is my hope that next year we see even more of our members come out to celebrate and support the ARRL, the Hudson Division, and our Awardees who give of themselves day-in and day-out to make it work.

73 de Mike N2YBB

Why do we have noses that run and feet that smell?

RTTY ROUNDUP JAN 2-3

The ARRL RTTY Roundup over the January 2-3 weekend is a veritable digital festival, so dust off those keyboards! In addition to conventional Baudot, RTTY Roundup ops may use ASCII, AMTOR, PSK31, and Packet (attended). It's very easy to get on RTTY and other digital modes. Participation in this annual operating event has grown along with the enthusiasm for digital modes, and newcomers are always welcome to join the fray.

The 2015 ARRL RTTY Roundup runs from 1800 UTC Saturday, January 2 through 2359 UTC Sunday, January 3, with operation on 80, 40, 20, 15, and 10 meters. Participants may operate 24 of the 30 available hours. US and Canadian stations send a signal report and state/province, while DX stations send a signal report and consecutive serial number, starting with 001.

Submit Cabrillo logs via [e-mail](#) or by using the [web applet](#). Send paper logs to ARRL Headquarters. All logs must be postmarked no later than 2359 UTC Tuesday, February 2, 2015.

From *The ARRL Letter*, December 24, 2015

THE NETHERLANDS OPENS 5 MHz

Just days after delegates to World Radiocommunication Conference 2015 (WRC-15) reached consensus on a new global 15 kHz-wide allocation at 5 MHz, the Netherlands opened a 100 kHz band for Amateur Radio use. Article 4.4 of the ITU [Radio Regulations](#) lets countries authorize frequency assignments that are contrary to the international *Table of Allocations*, but only on a non-interference, non-protected basis.

Hams in the Netherlands have been authorized to use 5350-5450 MHz at up to 100 W PEP. The Netherlands' IARU member society VERON has recommended the use of USB.

WRC-15 laid the foundation for a global, secondary Amateur Radio allocation of 5351.5 kHz to 5366.5 kHz at up to 15 W effective isotropic radiated power in the US (some Region 2 countries will be permitted up to 25 W EIRP). The new worldwide band won't be available for use in the US until the FCC institutes a rule making proceeding and establishes operating parameters for the band.

From *The ARRL Letter*, December 10, 2015

TEN YEARS AGO

From the January 2006 Propagator: OMARC is having Diana Day on January 7 to mark the 60th anniversary of the first moonbounce. A successful holiday party with the Neptune Amateur Radio Club and GSARA was held at the American Legion on Gully Road in Neptune in December. The ARRL has a web page devoted to Winlink 2000.

FIFTEEN YEARS AGO

From the January 2001 Propagator: A Roster was included showing a record 152 members of GSARA. Ron Parham, K2SST moved to North Carolina. Laura Clanton, N2HGI became a great-grandmother for the first time with the birth of a great-grandson.

TWENTY YEARS AGO

From the January, 1996 Propagator: GSARA member Joe Wilkes, WA2SFF has written a book "Wireless and Personal Communications Systems" published by Prentice-Hall. A photo taken by Seymour Krevsky, W2JBI (SK) showed Rich Cardwell, AA2BY; Rich DiFiore, KB2NXA (SK); Frank Wroblewski, WS2Y (now W2XYZ); Bill Zeisler, W2DLP; Tony Colaguori, W2GUM (SK) and Bob Buus, W2OD at ARRL headquarters in Newington, CT.

TWENTY-FIVE YEARS AGO

From the January 1991 Propagator: Annual GSARA dues increased from \$10 to \$15 per year. Fort Monmouth MARS station AAR2USI is looking for operators to help run phone patches for "Desert Shield". The FCC is eliminating the need for a Morse code test for Technician licenses. Al Allen, K2LG (SK) had an article about linear amplifiers. Harry Landau, W2IX (SK) had an article about feeding antennas.

THIRTY YEARS AGO

There was no Propagator for January 1986:

How can a slim chance and a fat chance be the same, while a wise man and a wise guy are opposites?

NOTES ON CALENDAR (see next page)

Large Call letters denote birthdays e.g. **WA1PCY** on January 6. All times EST. Contests are listed in the January QST, p. 86.

Dec. 31-Jan. 1 – **Straight Key Night**, CW from 7 pm Thursday to 6:59 pm Friday. See December QST, p. 89 and <http://www.arrl.org/straight-key-night>

Jan. 2-3 – **ARRL RTTY Roundup**, HF from 1 pm Saturday to 11 pm Sunday. See <http://www.arrl.org/rtty-roundup>

January 3 – **Kids Day Contest**, Phone from 1 pm to 6:59 pm. See <http://www.arrl.org/kids-day>

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

January 4 - **Monmouth County ARES Net** meets on 147.045 +600, PL=67.0 at 7:30 pm

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

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

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

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

January 6 – **GSARA Meeting** at 7:30 pm. Program features Ed Shipley with a presentation about the local history of radio astronomy and some of the fascinating new discoveries in astronomy.

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

January 8 - **W1AW Qualifying Run** at 10 pm (40-10 wpm). See January 2015 QST page 95 and www.arrl.org/qualifying-run-schedule

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

Jan 9-10 – **North American QSO Party**, CW from 1 pm Saturday to 12:59 am Sunday. See <http://www.ncjweb.com/NAQP-Rules.pdf>

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

January 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

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

Jan 16-17 – **North American QSO Party, SSB** from 1 pm Saturday to 12:59 am Sunday. See <http://www.ncjweb.com/NAQP-Rules.pdf>

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

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

January 21 – **W1AW Qualifying Run** at 9 am (40-10 wpm). See January 2015 QST page 95 and <http://www.arrl.org/qualifying-run-schedule>

January 21– **JSARS VE Test Session** at 7:00 pm Riverview Park Recreation Bldg., Rt. 527 and Riverwood Drive in Toms River. Contact Ed Genino, WA2NDA at 609-971-2792 or wa2nda@comcast.net.

Jan 22-24 – **Montana QSO Party**, all modes from 7 pm Friday to 6:59 pm Sunday. See <http://www.fvarc.org/>

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

Jan 30-31 – **ARRL January VHF Contest**, all modes from 2 pm Saturday to 10:59 pm Sunday. See <http://www.arrl.org/january-vhf>

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1 New Year's Day SKN	2 RTTY Rndup
3 RTTY Rndup Kids Day InfoAge	4 ARES/RACES 7:30	5 OBARC GSARA Net 8:30 QCWA News 9 PM	6 WA1PCY GSARA Mtg.	7 HCARC Mtg.	8 CW Qual. Run	9 OMARC Mtg NA QSO CW
10 KC2TKK NA QSO CW InfoAge	11 W2XYZ RACES Net 7:30	12 GSARA Net 8:30 QCWA News 9 PM	13 Hol. City VE	14 JSARS Mtg.	15	16 NA QSO SSB
17 NA QSO SSB InfoAge	18 KA2VXA ARES/RACES 7:30	19 GSARA Net 8:30 QCWA News 9 PM	20 GSARA Mtg.	21 CW Qual. Run JSARS VE	22 Montana QSO	23 Montana QSO .
24 Montana QSO InfoAge	25 RACES Net 7:30	26 GSARA Net 8:30 QCWA News 9 PM	27	28	29	30 VHF Cntst
31 VHF Cntst						



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