THE PROPAGATOR

JULY 2012

UPCOMING GSARA MEETING

Since the first Wednesday in July is the July 4th holiday, there will be **no GSARA meeting on July 4.**

The only GSARA meeting in July will be held on **Wednesday, July 18 at 7:30 PM** at the Red Cross. Besides being our regular business meeting for July, we will review our Field Day activities and identify areas where we might do better next year. Guests are always welcome and light refreshments will be served.

NEW EXTRA CLASS QUESTION POOL

The new Amateur Extra class (Element 4) question pool -- released by the National Conference of Volunteer Examiner Coordinators (NCVEC) in January 2012 -- becomes effective on Sunday, July 1. The current Amateur Extra class pool expires on June 30, 2012 and cannot be used after that date. This new question pool -- including graphics and diagrams -- will remain valid until June 30, 2016. The new Amateur Extra pool contains 702 questions, from which 50 are selected for an Element 4 examination. As of June 13, three questions -- E1D09, E2A14 and E6E10 -- have been removed from the new pool. The current Technician class question pool that became effective July 1, 2010 is valid through June 30, 2014. The current General class pool that became effective July 1, 2011 is valid until June 30, 2015.

From *The ARRL Letter, June* 21, 2012

GSARA HOMEPAGE
http://www.gardenstateara.org

HUDSON DIVISION HOME PAGE

http://www.hudson.arrl.org

FIELD DAY SUCCESSFUL

GSARA has another successful Field Day with over 1200 contacts made in spite of mediocre band conditions. This is about 2 ½ times the contacts we made last year. Of course, since we ran high power, we lose the power multiplier of 2. But even with that penalty, we should have a better score than we had last year. The GOTA station made over 65 contacts as W2XYZ. The VHF station did poorly since there were no sporadic E openings on 6 meters. Although it's nice to operate in air-conditioned environment, I kind of miss being outdoors to operate. Details and the final score will be in next month's Propagator.

DXCC APPROVES 7 OPERATIONS

In June, the DXCC approved seven operations for DXCC credit. On June 21, the 2012 TT8ES (Chad) operation, the XX9E (Macao) operation and the 2011 TL9EL (Central African Republic) were approved. On June 25, the 2012 XW4XR (Laos) operation was approved. On June 26, the 2010 J28RO (Djibouti) operation, the 2011 J25DXA (Djibouti) operation and the 2012 5X1RO (Uganda) operation have been approved. "If you had cards that were recently rejected for these operations, please send an e-mail to the ARRL DXCC Desk," Moore said. "Please note that due to extremely heavy e-mail, DXCC staff may not respond to your message. Once your record is updated, results will appear in Logbook of The World (LoTW) accounts or in the live, daily DXCC Standings. Due to a backup on DXCC e-mail, DXCC staff will make the corrections to accounts, but may not respond directly to messages about this." Moore noted that the J28RO and 5X1RO logs have been uploaded to LoTW.

From *The ARRL Letter, June* 28, 2012

DX MEETING EACH LAST MONDAY

For those interested in DX or learning about how to chase DX, there is a meeting of DXers on the last Monday of each month at 7:30 PM at the Red Cross. The last Monday of July is on the 26th so mark your calendars if you would like to attend.

BADGES AND PATCHES

If you would like a GSARA name badge, you may order one by getting a Badge Order Form from our Secretary, **Bob Buus, W2OD**, filling it out and turning it in to Bob with your $7.00 payment.

We also now have 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). We then send them as a group 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.

EDITOR'S NOTES

Field Day was a lot of fun in spite of the fact that the propagation gods didn't treat us very well. 20 meters was open for essentially the full 24 hours. 10 and 6 were basically dead and even 15 wasn't open very much. Running high power for the phone station certainly helped generate additional contacts but the additional power was of little benefit for CW. We did manage to make over 1200 contacts thanks to the efforts of many GSARA operators. I think that the turn-out was better this year than it was last year and that is good. Could we have done better? Of course we could and there should be lively discussion at the July 18 meeting for areas of improvement. Plan to be at the meeting if you have any ideas or opinions about our Field Day activity.

Len, WA2PCY has some vintage radio gear for sale (see page 6) that some of you may be interested in. I remember a time when I would have killed to have such a station!

Dave Struebel, WB2FTX, our section traffic manager, has submitted an article on page 7 that shows how important packet and Winlink would be in an emergency. It's nice to know that our W2GSA node at the UPS tower plays a role in this important function.

I'd like to remind everyone that this is YOUR newsletter and I would appreciate feedback as to what you like or don't like about each issue. It's always a tough decision as to what to include and what to delete from each issue and any comments you might have would be appreciated.

If you are interested in obtaining a gardenstateara.org email address which will give you webmail and POP3/SMTP access, please send an email to Josh at kc2tkk@gardenstateara.org with your First Name, Last Name, and Call Sign. Your email address call_sign@gardenstateara.org will be created and the login information sent back to the email address your request came from.

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 6 MEETING

By Bob Buus, W2OD, Secretary

President Frank Wroblewski, W2XYZ called the meeting to order at 7:39 PM at the Red Cross. There were 15 members and two guests present. The guests were Raymond Irwin, WA1FFT from Oakhurst and Ken Falls, KD2BRZ from Middletown. After the pledge to the flag, all present introduced themselves.

Health and Welfare

Tony, KA2ZSI got out of rehab and attended the meeting looking good!

Lou, W2HAM is slowly recovering from his injury.

Steve Mendelsohn, W2ML became a silent key.

Old Business

The 2-meter Kenwood transceiver at the UPS site that served the packet node W2GSA-2 was acting up and had to be replaced. Ralph, KC2WAD bought an Alinco replacement and installed it to get the node up and running again. A motion was made by Bob, W2OD and seconded by Jeff, N2LXM to reimburse Ralph for his $179.95 expense. The motion passed unanimously.

Field Day

We plan to operate as 2F again on Field Day but will use high power this year with our linear amplifiers. Jim, K2EI has a 40 meter loop design which will be installed prior to Field Day.

Bob, W2OD will take responsibility for a "free" VHF station using an Icom IC-706-MKIII and a dipole antenna for 6 meters. He will also fix the bandpass filters so they will be ready for Field Day.

Bob, W2OD also agreed to copy the CW Field Day message from W1AW.

A motion was made by Howard, W2HTS and seconded by Ralph, KC2YNL to authorize up to $300 to cover expenses for Field Day. The motion passed unanimously.

We plan to again use the N3FJP logging program for Field Day.

Announcements

The Sheehan Run in Red Bank is coming up on Saturday, June 16 and Jeff, N2LXM could use a few more operators. If you can help, contact Jeff.

The Red Cross has reorganized so the Tinton Falls Chapter is the lead chapter for 9 counties in NJ.

The Raritan Valley Hamfest in Piscataway is coming up on Saturday, June 16.

Close

The door prize of $15.75 was won by Len, WA1PCY. There being no further business, a motion was made and seconded to adjourn. With unanimous vote, the meeting was adjourned at 9:05 pm.

MINUTES OF JUNE 20 MEETING

By Bob Buus, W2OD, Secretary

President Frank Wroblewski, W2XYZ called the meeting to order at 7:35 PM at the Red Cross. There were 15 members and one guest present. The guest was Hunter Suffill, son of W2HTS from Eatontown. After the pledge to the flag, all present introduced themselves.

Secretary's Report

A motion was made by Joe, W2KQ and seconded by Ralph, KC2YNL to accept the secretary's report from the last meeting as to be published in the next Propagator. The motion passed unanimously.

Treasurer's Report

Bruce, K2QXW gave the Treasurer's report. A motion was made by Joe, W2KQ and seconded by Kevin, W2FA to accept the report. The motion passed unanimously.

Field Day

We plan to operate as 2F again on Field Day but will use high power this year with our linear amplifiers.

The double 40-meter loop has been installed and is ready for Field Day.

There was a nice article in the Asbury Park Press about Field Day with quotes from President Frank, W2XYZ.

Bob, W2OD will install the "free" VHF station using an Icom IC-706-MKIII and a dipole antenna

for 6 meters on Saturday morning. Howard, W2HTS will supply the fiberglass mast to support the 6-meter dipole.

The bandpass filters were fixed by Bob, W2OD and are ready for Field Day.

Bob, W2OD also agreed to copy the CW Field Day message from W1AW.

The GOTA station will be Frank's IC-706-MKIIG and will use the call W2XYZ.

The W2GSA shack will be open at 10 am Saturday to allow time for setting up prior to the 2 pm start time.

Console 1 will be the phone station using the Kenwood, the Collins 30L1, and the LDG antenna tuner.

Console 2 will be the CW/PSK station and will use the IC-718, the American linear, and the MFJ Tuner.

Console 3 will be the VHF station supplied by W2OD

Console 4 will be the GOTA station.

Announcements

The Sheehan Run in Red Bank was successfully supported by four GSARA members.

Close

The door prize of $13.00 was won by Kevin, W2FA and he donated it back to the club. Thank you, Kevin! There being no further business, a motion was made by Bruce, K2QXW and seconded by Howard, W2HTS to adjourn. With unanimous vote, the meeting was adjourned at 8:20 pm.

DICK HATCH, N2OJG - SK

Richard Walter Hatch, of Colts Neck, died Saturday, June 23, 2012, at the age of 84. Born on Feb. 14, 1928, Richard grew up in Hartland, VT. After one year of college, Richard enlisted and served in the Army Intelligence Corps during the Korean War. He returned to the states and graduated from Northeastern University in Boston with a degree in Electrical Engineering in 1952, and started his telecommunications career with AT&T Bell Laboratories the same year. He received his Masters Degree in Electrical

Engineering from Stevens University in 1958. During the course of his 38-year career with AT&T Bell Labs and Bellcore, Richard worked on the design of the first communications satellite system, Telestar, and addressed international telephone standards as a delegate to CCITT (Consultative Committee for International Telephone and Telegraph) and the IEEE. In connection with his work, Richard traveled extensively throughout Europe, North America, South America, Australia, and Asia. His hobbies included Ham Radio, Photography, Woodworking, Gardening, Sailing, Camping, Hiking, and Genealogy Research.
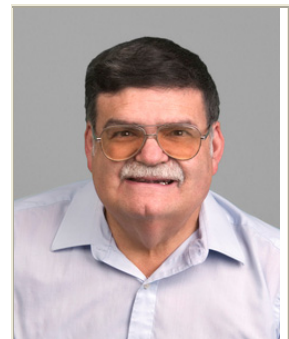
Richard is survived by Barbara Rogie Hatch, his wife of 56 years; four children and nine grandchildren.

A memorial service has been scheduled at the Colts Neck Reformed Church for July 15, 2012. In lieu of flowers, the family suggests that donations be made to the Hartland Historical Society, P.O. Box 297, Hartland, VT, 05048, or to a favorite charity in his name.

GENE ZIMMERMAN, W3ZZ - SK

Gene Zimmerman, W3ZZ, of Gaithersburg, Maryland, passed away on Sunday, June 3. He was 71. Zimmerman wrote the popular QST column "The World Above 50 MHz" from 2002-2011. He also served on the ARRL Contest Advisory Committee, edited the VHF contesting column for CQ Contest magazine during its five-year lifespan and was

Gene Zimmerman, W3ZZ (SK)

director of the CQ VHF Contest from 2000-2002. An ARRL Life Member, Zimmerman earned VUCC on six bands: 50, 144, 222, 432, 903 and 1296 MHz, as well as DXCC, Worked All States and Worked All Continents on 6 meters. He was an early proponent of -- and participant in -- aggressive contest log checking. Read more here.

From *The ARRL Letter, June* 7, 2012

2011 ARRL ANNUAL REPORT AVAIL.

The ARRL Annual Report for 2011 -- now available online -- reviews the major events of the year and documents the renewed growth of both the ARRL and the activities of the Amateur Radio Service. For the fifth consecutive year, ARRL membership grew -- totaling 157,813 members at year end.

According to ARRL Chief Executive Officer David Sumner, K1ZZ, Amateur Radio is flourishing: "Despite challenges on many fronts, Amateur Radio and the ARRL were in better shape at the end of 2011 than at the beginning. In September, we reached a milestone in amateur licensing, with 700,000 individuals licensed by the FCC, and reached 702,056 at the end of December, up .86 percent for the year." Sumner noted that ARRL membership also grew at .86 percent, exactly the same rate as the licensing numbers. "While membership is still short of its all-time high, we have achieved five straight years of growth, straight through the recession," he said. "This record of success is testimony to the professionalism of our membership staff as well as to the diligent efforts of everyone, volunteer and staff alike, who contributes every day to a positive image of the ARRL in the Amateur Radio community." Read more here.

From *The ARRL Letter, June* 21, 2012

HUDSON DIV. CLUB PRES. MEETING.

Join us for a Webinar on July 14

Space is limited.
Reserve your Webinar seat now at: https://www3.gotomeeting.com/register/532261446

Hudson Division Cabinet Club President's meeting.

Title: Hudson Division Cabinet Club President's meeting

Date: Saturday, July 14, 2012

Time: 9:30 AM - 12:00 PM EDT

After registering you will receive a confirmation email containing information about joining the Webinar.

System Requirements
PC-based attendees
Required: Windows® 7, Vista, XP or 2003 Server

Macintosh®-based attendees
Required: Mac OS® X 10.5 or newer

This Meeting will be a Webinar, via computer with Teleconferencing available, as well.

Instructions for this will be sent in the form of an email for you to accept.

Please make every effort to attend this meeting to discuss matters in the ARRL/Division/Sections.

Please join us!

73,
Joyce KA2ANF
Bill W2UDT
The Hudson Division Team

TEN YEARS AGO

From the July 2002 Propagator: Past Treasurer Clarence Kastner, KA2OZA became a silent key. Steve Hajducek, N2CKH spoke at the June meeting about IRLP. Field Day participation at Tatum Park was not very good so we had trouble keeping 3 stations on the air. President Bush sent greetings to all Radio Amateurs for Amateur Radio Week and Field Day. A new Extra Class question pool goes into effect July 1, 2002.

NOMINATIONS FOR HUDSON DIR.

The ARRL is governed by its Board of Directors. A voting Director is chosen by ballot by the full (licensed) members in each of the 15 ARRL divisions. Vice Directors -- who serve in the absence of the Director from a Board meeting and succeed to the position of Director should a vacancy occur -- are chosen at the same time. Elections are held in five divisions per year. It only takes 10 full members in a division to nominate a candidate for either office.

This fall, ARRL members in the Hudson Division will have the opportunity to choose a Director and a Vice Director for a three year term that starts January 1, 2013. Beginning in 2012, ARRL members in Divisions where there are contested elections will be able to vote electronically. Members with valid e-mail addresses in their membership profiles will be sent instructions on how to vote by e-mail; members without e-mail addresses, or whose e-mails bounce, or who request a paper ballot, will be sent a ballot by postal mail as in the past. Read more here.

From *The ARRL Letter, June* 14, 2012

FIFTEEN YEARS AGO

From the July 1997 Propagator: Phil Petersen, W2DME-SK was made a Fellow of the Radio Club of America. Earl Korf, K2IC-SK received the Marconi Gold Medal from the Veteran Wireless Operators Association. Don Pingitore, KC2BTF (now KG2NV) joined GSARA. The June Program had Keith Sproul, WU2Z discuss APRS. Joe, W2KQ sent a packet message to the Russian Space Station R0MIR and received a reply. The Big Brothers Bike-a-thon at Brookdale College had communications support provided by 18 GSARA members.

FOR SALE

Hammarlund Super Pro SP-400-SX Receiver complete with power supply

Johnson Viking Ranger (75W CW and 65W AM)

Sell as is for best reasonable offer.

Len Kline, WA1PCY
321-13 Spring Street
Red Bank, NJ 07701
732-842-8632 Home
732-272-4056 Cell
lwkline88@verizon.com

TEAM USA & ARDF CHAMPIONSHIPS

By ARRL ARDF Coordinator Joe Moell, K0OV

From DXing to microwaves, nearly every facet of our hobby has its competitions. But there are no more ardent contesters than the ones who take to the fields and forests to see who can locate the greatest number of radio transmitters in the shortest time. They call themselves foxhunters, foxtailers, radio-orienteers and ARDFers. Each year, they come together from around the country to see who is best. Every two years, the best from each country gather to see who is tops in the world. The 12th USA ARDF (Amateur Radio Direction Finding) Championships took place May 30-June 3 near Mt Laguna, California. In September, the 15th ARDF World Championships will get under way at the resort city of Kopaonik, in central Serbia. Standard rules and procedures of the International Amateur Radio Union govern these competitions. Read more here.

From *The ARRL Letter, June* 14, 2012

TWENTY YEARS AGO

From the July 1992 Propagator: Jerry Sevick, W2FMI-SK gave a talk at the June meeting about baluns. Dave Kelly, WA2B became a silent key. Bob Girling, KB2ERX-SK is in a Philadelphia hospital awaiting a heart transplant. Al Allen, K2LG-SK is undergoing radiation therapy on his throat cancer. Kevin McCall, KB2OXR just received his license. Jeff Harshman, N2LXM joined GSARA.

NTS METHODS AND PRACTICES

The NTS Methods and Practices Guidelines (MPG) are the primary reference for the proper ways of formatting, sending and receiving NTS traffic and are found in Appendix B of the ARRL Public Service Communications Manual. If you are not familiar with them you can find them on the ARRL web page.

Chapter 6 deals with NTS Digital and has recently been revised to include the incorporation of radio-email through Winlink 2000 (WL2K) and integrating NTS, NTSD, and ARES.

The use of WL2K is as a supplement to traditional NTS and not to replace it. Radio-email can be used as another tool in ham radio emergency communication toolbox when it is appropriate due to response time and expedient. In the 21st century, the served agencies expect email type communication services with the availability of multiple recipients, and the capability of attaching files and pictures.

The typical 48 hour turn around period of a typical NTS message is no longer considered adequate nor state of the art. If amateur radio cannot provide these services we run the risk of being perceived as obsolete and our services will no longer be requested or desired.

ARRL has not yet published the revised Chapter 6 on their web page but it has been approved by the three NTS Area Chairs and the three Area Digital Coordinators. We are in the process of beginning its implementation at the area, region, section, and local NTS and ARES groups.

There are naysayers who claim that the use of WL2K is vulnerable due to internet failure in an emergency. While this is usually true in the immediate disaster area, usually infrastructure is available in other areas. This "last mile" can be bridged by accessing radio-email facilities through RMS Packet gateways or HF Pactor or Winmor systems outside of the affected area. In any scenario including the worst case example of a total internet failure nationally, NTS Digital has the unique already demonstrated ability to handle radio-email totally coast to coast on RF using high speed HF Pactor 3.

In the "last mile" a VHF packet station can be set up to access a RMS gateway outside the area. For instance at a shelter or EOC this VHF Packet operation can be connected into the email network of the served agency to allow the staff to send their typical email messages to their clients. Once the connection is established the on-site operator becomes essentially a control operator, overseeing the station operation

Again, this is to be used only when appropriate and time expedient. The traditional NTS and NTSD structure is a valuable resource and should be the primary outlet.

Here is the link to the revised Chapter 6 MPG:

http://www.wx4j.com/mpg6_ntsd_radioemail.htm

BTW, the NJ Packet network including the W2GSA packet system plays a crucial part in the support of this concept and the use and access to WL2K.

73 Dave WB2FTX

TWENTY-FIVE YEARS AGO

From the July 1987 Propagator: Net control of the 10-meter W2GSA net has been taken over by Joe Cotignola, KB2AYK. Harry, KN2B was net control for about 7 years. A study guide for amateur radio exams is available on the Commodore 64 computer. Cost is $12.95 for Technician or General and $14.95 for Advanced or Extra. Manu options allow you to take a typical FCC exam or practice Morse code. A print-out at the end of each sample test tells you how you did.

THIRTY YEARS AGO

The program for the July 7, 1982 meeting featured Jeff Azoy, W2XZ-SK discussing the early spark days and his listening to the Carpathia when the Titanic sank. New members to GSARA included Pat Moran, W2EM-SK; Dan Gauthier, W2FUP; and Arnold Halpern, W2GDS.

FORTY YEARS AGO

The July 11, 1972 meeting featured President Bill West, W2UEZ-SK talking about working 160 meter DX.

NOTES ON CALENDAR (see next page)

Large Call letters denote birthdays e.g. **K2YWI** on July 1. All times are EDST. Contests are listed in the July QST, p. 77

June 30-July 1 – **Canada Day Contest,** all bands, all modes from 8 pm Saturday to 7:59 PM Sunday. See http://www.rac.ca/service/contesting

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

July 2 - **Monmouth County ARES Net** meets on 147.045 +600, PL=67.0 at 7:30 pm.

July 3 – **Middletown Pancake House Luncheon** at noon at left rear table. All are welcome.

July 3 – **Old Barney VE Session** at 6:30 pm in Manahawkin. Contact Urb Lejune, W2DEC at 609-296-5785 or urb@usats.com

July 3 – **Old Barney ARC Meeting** at 7:30 pm at Ocean Acres Community Center in Manahawkin, NJ. See http://www.obarc.org

July 3 and every following Tuesday – **QCWA News Net** on 147.045 PL=67 at 9:00 pm.

July 4 – **Holiday, No GSARA Meeting,**

July 5 - **Holiday City ARC meeting** at 7 pm at Holiday City South Clubhouse in Toms River.

July 6 – **FISTS Summer Sprint,** CW from 8 pm to midnight. See http://www.fists.org

July 9 -. **Monmouth County RACES Net** meets on 147.045 +600, PL=67.0 at 7:30 pm.

July 10 – **VE Test Session** at Croyden Hall, Leonardo section of Middletown at 7:00 pm. For more information, contact Mario Sellitti, N2PVP at 732-787-7184 or n2pvp@n2pvp.com

July 11 – **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 11 - **W1AW Qualifying Run** at 10 pm (10-35 wpm). See www.arrl.org/qualifying-run-schedule

July 12 – **JSARS meeting** in Riverwood Park Recreation Building, Rt. 527 and Riverwood Drive at 7:30 pm.

July 14 – **OMARC Meeting**, 9:00 am at the Diana Site on Marconi Road, Wall, NJ. Guests are welcome.

July 14-15 – **IARU HF World Championship,** CW & SSB from 8 am Saturday to 8 am Sunday. See http://www.arrl.org/contesta

July 16 - **Monmouth County ARES Net** meets on 147.045 +600, PL=67.0 at 7:30 pm.

July 18 – **GSARA Meeting** at 7:30 pm at the Red Cross in Tinton Falls. Regular business meeting and recap of Field Day activities.

July 19 – **JSARS VE Test Session** at 7:30 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 21-22 – **CQ WW VHF Contest,** all modes from 2 pm Sat. to 5 pm Sun. See http://www.cqww-vhf.com

July 21-22 – **North American QSO Party, RTTY** from 2 pm Sat. to 2 am Sun. See ncjweb.com/naqprules.php

July 23 - **Monmouth County ARES Net** meets on 147.045 +600, PL=67.0 at 7:30 pm.

July 27 – **W1AW Qualifying Run** at 9 am (35-10 wpm). See http://www.arrl.org/qualifying-run-schedule

July 28 – **Neptune Amateur Radio Club Meeting** at 9 am at the American Legion on Gully Road.

July 28-29 – **New Jersey QSO Party,** all bands, all modes from noon Sat. to noon Sun. See http://www.njqp/hamshack.info

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

July 30 – **GSARA DX Interest Group** at 7:30 at the Red Cross.

JULY 2012

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1 **K2YWI** Canada Day InfoAge	**2** ARES/RACES 7:30	**3** Pancake House Old Barney ARC QCWA News 9 PM	**4** HOLIDAY	**5** Hol. City Mtg.	**6** FISTS Sprint	**7**
8 **K2QXW** InfoAge	**9** RACES Net 7:30	**10** Croyden VE 7 PM QCWA News 9 PM	**11** Hol. City VE CW Qual. Run	**12** JSARS Mtg.	**13**	OMARC Mtg.**14** IARU HF
15 IARU HF InfoAge	**16** **N2DR** ARES/RACES 7:30	**17** QCWA News 9 PM	**18** GSARA Mtg.	**AC2FC 19** **N2KPS** JSARS VE	**20**	**21** CQ WW VHF N. A. RTTY
22 CQ WW VHF N. A. RTTY InfoAge	**23** ARES/RACES 7:30	**24** QCWA News 9 PM	**25**	**26**	**27** CW Qual. Run	Neptune Mtg **28** NJ QSO
29 NJ QSO InfoAge	**30** RACES Net 7:30 DX Mtg 7:30	**31** QCWA News 9 PM				

G.S.A.R.A.

8 DONNER STREET

HOLMDEL, NJ 07733

FIRST CLASS