



THE PROPAGATOR

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

NOVEMBER 2009

UPCOMING GSARA MEETINGS

The next regular meeting of the GSARA will be held on **Wednesday, November 4 at 7:30 PM** at the Fort Monmouth MARS building. Please plan to attend.

The second meeting in November will be on **Wednesday, November 18 at 7:30 PM** at the **American Red Cross - Regional Office**, 1540 West Park Avenue, Tinton Falls, New Jersey. Our program will be about the National Traffic System and will be given by the NNJ Section Traffic Manager Dave Strubel, WB2FTX. Don't miss it! Guests are always welcome.

RENEWING FT. MONMOUTH PASSES

To renew your pass for Fort Monmouth when it is ready to expire, simply give the information to Frank, W2XYZ and he will take care of the details.

KC2GKQ CHANGE OF ADDRESS

Please change the membership roster for KC2GKQ to as follows:

KC2GKQ, Donna Wilkins
499 NW 91st Street
Branford, FL 32008
djwilkins@windstream.net

MONMOUTH CLUB MEETING CHANGE

The Monmouth Amateur Radio Club has changed its meeting time from the morning of the second Saturday of the month to the evening of the second Tuesday at 7 PM. They still meet at the Union Beach Police Annex (Municipal Building) on Poole Avenue.

NEW GSARA HOMEPAGE

<http://www.gardenstateara.org>

OPERATION SANTA RUN

Every year the youth council at the Red Cross collects toys for both boys and girls under the age of 12 years. GSARA members could help out by donating a toy or two. Toys should be new and cost between \$10 and \$20. Toys are being collected until December 14th but it is most convenient to bring the toy to the next GSARA Red Cross meeting on November 18.

The toys collected are wrapped by the youth council and then given to families who have lost everything due to a house fire over the past year. This project has been going for 7 years and the families are most grateful as they are struggling to get back everything they have lost.

FRANK, K2TVY HAS NEW VERTICAL

I have my 20 foot flag pole erected with 20 radials. The weather has been so hot, that I quit after burying one. We purchased an electric fence for our dog. The installer was using an apparatus resembling a rototiller. With some modifications the machine had a plow like fin with a tube aft. The wire was threaded through the tube. When the machine started, the plow dug into the ground and slit through the grass and about another 4-5 inches. So I convinced the young fellow to bury the 20 radials. What a pleasure to watch. Of course I tipped him generously, but it was worth every penny. Now I think that I should have buried 20 more, HI!

Shortly, I will send a few pictures of the flag pole antenna.

VY 73 de Frank, K2TVY

HUDSON DIVISION HOME PAGE

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

GSARA OFFICERS

President	W2XYZ	Frank Wroblewski	942-7705
Vice Pres.	W2HTS	Howard Suffill	460-1885
Secretary	W2OD	Bob Buus	946-8615
Treasurer	W2KQ	Joe Dreifuss	493-4236
Engineer	N2LXM	Jeff Harshman	922-0816
Webmaster	KC2TKK	Josh Gluck	
Publicity	NJ2H	Bill Shockley	207-4466
Trustees	KG2NV	Don Pingitore	229-2925
	W2OD	Bob Buus	946-8615
	WA2FVL	Jack Keating	264-7670

PROPAGATOR AVAILABLE BY E-MAIL

Would you like to help the finances of GSARA and at the same time get your issue of *The Propagator* a few days earlier? You can get every issue e-mailed to your computer every month by simply giving your e-mail address to Josh Gluck, KC2TKK and request *The Propagator* electronically. Josh's e-mail address is <kc2tkk@gardenstateara.org>.

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

The ARRL Letter has changed its format from text to HTML. The new format, which looks a lot prettier than the old text, is loaded with pictures, ads and lots of URLs for additional information. How does that affect *The Propagator*? Well, I use the ARRL Letter for much of the news items. For those of you receiving the electronic version of *The Propagator*, you need only click on any underlined blue type and you will be connected to additional information. For those getting the paper copy of *The Propagator*, the links are in black type (I don't print in color) and, of course, you can't click on them. In the past, I always spelled out the URL of these links (as did the older ARRL Letter) so that if you wanted additional information, you could get on the internet and type in the appropriate URL. That, of course, won't work now since the links are given names (such as click [here](#)) and the actual URL is hidden. I could fix the problem by extracting the URL from the link and typing it to replace the link. It's a bit more work for me and it does clutter up the text in places (as it did in the past). So, what do you think? Should I expand the links or just leave them as they are in the HTML version?

There are still lots of goodies available at the MARS building free to members. When you are at the November 4 meeting, look things over and take what looks interesting to you. Even if you're only mildly interested in something, take it home for your junk box and thus rescue it from the Fort Monmouth garbage.

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.

Remember if you change your e-mail address; please be sure to inform Josh Gluck, KC2TKK.

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

73 de Bob, w2od@arrl.net

MINUTES OF OCTOBER 7 MEETING

By Bob Buus, W2OD, Secretary

President Frank Wroblewski, W2XYZ called the meeting to order at the Fort Monmouth MARS building at 7:34 PM. There were 14 members present. After the pledge to the flag, all members introduced themselves.

Secretary's Report

A motion was made by Tom, N2VFK and seconded by Lou, W2HAM to accept the minutes of the September 16 meeting as published in the October Propagator. The motion passed unanimously.

Treasurer's Report

Treasurer Joe Driefuss, W2KQ gave the Treasurer's report for September. A motion was made by Lou, W2HAM and seconded by Tom, N2VFK to accept the report. The motion passed unanimously.

Old Business

Lou, W2HAM reported that the election committee submits the following names for officers for 2010:

President: Frank Wroblewski, W2XYZ
Vice President: Howard Suffill, W2HTS
Secretary: Bob Buus, W2OD
Treasurer: Joe Driefuss, W2KQ
Chief Engineer: Jeff Harshman, N2LXM

The report was accepted. Frank, W2XYZ then called for any additional nominations from the floor. There being none, a motion was made by Tom, N2VFK and seconded by Ray, W2NXG to close the nominations. This was unanimously accepted. A motion was made by Tom, N2VFK and seconded by Lorraine, KC2FDR that since there was but one candidate for each position, that the Secretary cast the vote for the entire slate. This was unanimously accepted and the Secretary so cast his vote.

The one-day Technician class for CAP members was successfully taught by Jeff, N2LXM and four of the six students passed. A walk-in at the VE session also passed the Technician exam as well as the General. In appreciation of the GSARA sponsorship of the class, the Civil Air Patrol presented GSARA with a certificate of appreciation which was accepted by Frank, W2XYZ.

The SET exercise conducted on Saturday, September 26 went well. Frank, W2XYZ and Bob,

W2OD had the Red Cross station on the air and passed several messages.

The battleship New Jersey trip on September 25 was successful and enjoyed by the six GSARA participants.

New Business

Our Treasurer, Joe, W2KQ reported that our treasury balance is gradually decreasing with the passing years and asked for ideas as to how to raise some money. Several suggestions were made. A 40 white elephant sale has been used by other organizations successfully. Perhaps we should consider having one. A suggestion to increase the cost of the 50-50 chances was suggested. After some discussion, it was decided to table that suggestion for November. It was also suggested that we charge for the coffee and desert but again, after some discussion, it was tabled for November. A committee was formed to study possible ways to raise income. It is to be chaired by Joe, W2KQ. Other members of the committee are Ray, W2NXG; Lou, W2HAM; and Frank, W2XYZ.

Announcements

Frank, W2XYZ; Mike, KC2Q; and Mel, N2MEL will be going on the QCWA cruise and will be operating W2MM on board the ship. Listen for them between October 24 and October 31.

Infoage is running a Haunted Hotel as a fund raiser. It will be on the evenings of October 10, 16, 17, 23, 24, and 30. Admission is \$12 per person.

Closing

The drawing for the door prize was won by Tom, N2VFK. There being no further business, a motion was made by Lou, W2HAM and seconded by Tom, N2VFK to close the meeting which was adjourned at 8:47 PM.

MINUTES OF OCTOBER 21 MEETING

By Bob Buus, W2OD

President Frank Wroblewski, W2XYZ, was absent so the meeting was called to order by Vice President Howard Suffill, W2HTS at Red Cross Headquarters at 7:30 PM. After a Pledge to the Flag, each attendee introduced themselves. There were 14 members and two guests present. The guests were Jim McEowen, WA2HPD and Russell Priellipp, KC2PFQ, both from Holmdel.

Secretary's Report

The minutes of the October 7 meeting will be published in the November Propagator and were thus not read at the meeting.

A note from Donna Wilkins, KC2GKQ, who has moved to Florida, was read at the meeting.

Announcements

Several members of a youth group at the Red Cross made a presentation about a toy project that they are doing for Christmas and would like our help. They are seeking donations of new toys of value \$20 or less that they will wrap and distribute to needy children. Donations can be made at the next GSARA meeting at the Red Cross on November 18.

The Program

Bob Buus, W2OD gave a talk about the forefathers and pioneers that developed the ideas that have led to wireless communication. Starting with Ben Franklin in 1752, Bob reviewed the major contributions made through Edwin Armstrong in 1912.

Closing

The door prize was won by Bob Buus, W2OD. With a unanimous vote, the meeting was ended at 9:20 pm.

THREE KILLED ERECTING ANTENNA

At approximately 8:40 PM on October 12, a man, woman and their 15 year old son were killed while trying to erect a 50 foot vertical antenna at the home of the man's mother, Barbara Tenn, KJ4KFF, in Palm Bay, Florida. The deceased were not licensed amateurs. According to police reports, Melville Braham, 55, Anna Braham, 49, and their 15 year old son Anthony were putting up an antenna -- Tenn's second -- at night when they lost control of the antenna and it crashed into nearby overhead power lines. The impact sent 13,000 volts of electricity through the pole that the three were holding. A family friend, a 17 year old boy, was on the roof at the time of the accident. He and the couple's daughter, who was in the house at the time, were not injured. Click [here](#) for more information.

From *The ARRL Letter*, October 22, 2009

PAUL VYDARENY, WB2VUK - SK

Former Hudson Division Director Paul Vydareny, WB2VUK, of Tarrytown, New York, passed away Thursday, October 22, from a brain aneurysm. He was 65.

An ARRL Life Member and member of the ARRL's A-1 Operator Club, Vydareny served as Director of the ARRL's Hudson Division from January-September 1996. Vydareny had a long record of volunteer service with the ARRL: Prior to becoming Director, he served as Section Manager of the Eastern New York Section from 1980-1996 and as Vice Director from 1987-1996 (Vice Directors were once allowed to serve simultaneously as Section Managers).

Vydareny -- who was elevated from Vice Director to Director when then-Director Steve Mendelsohn, W2ML (ex-WA2DHF), was elected ARRL First Vice President -- resigned as Director in 1996, citing job and church obligations as preventing him from doing what he considered "a proper job of fulfilling his duties as Director."

Vydareny's three daughters -- Alyssa, Karyn and Sylvie -- are also licensed amateurs.

From ARRL Special Bulletin ARLX011, Oct. 28, 2009

FOUR AMATEURS KILLED IN PLANE

Just after take-off -- around 6:30 AM on Wednesday, October 21 -- a twin-engine plane carrying four Amateur Radio operators crashed into the woods, only 250 yards off the end of the runway in Jedburg, South Carolina, about 20 miles northwest of Charleston. The plane -- piloted and owned by Peter Radding, W2GJ -- carried Ed Steeble, K3IXD, Dallas Carter, W3PP, and Randy Hargenrader, K4QO. The four men were on their way to the Bahamas to operate in this weekend's CQ World Wide Phone Contest as C6APR. Radding, of North Charleston, South Carolina, was 69; Steeble, of Summerville, South Carolina, was 68; Carter, of Laurel, Delaware, was 67 and Hargenrader, also of Summerville, was 55. All were ARRL members.

Robert Biss, W8ZA, of Harpers Ferry, West Virginia, accompanied Steeble, Carter, Radding and Hargenrader to the Bahamas for the 2008 running of the CQWW SSB Contest.

From *The ARRL Letter*, October 22, 2009

WWV AND WWVH

Today, most amateurs know radio stations [WWV](#) and [WWVH](#) broadcast time and frequency information 24 hours a day, seven days a week to millions of listeners worldwide. Administered by the National Institute of Standards and Technology ([NIST](#)), WWV is located in Fort Collins, Colorado, about 60 miles north of Denver; WWVH is located on the Island of Kauai, Hawaii on a 30 acre site near Kekaha at Kokole Point. Both stations broadcast information that includes time announcements, standard time intervals, standard frequencies, UT1 time corrections, a BCD time code, geophysical alerts, marine storm warnings and Global Positioning System (GPS) status reports.

Most hams today think of WWV and WWVH as "time stations." According to *QST* Editor Steve Ford, WB8IMY, that's only half-true: they are really time and frequency stations. "The time signals that you hear are regulated by an atomic clock that uses the oscillations of Cesium atoms as its standard -- 9,162,361,770 oscillations equal 1 second," wrote Ford in the June 1994 issue of *QST*.

WWV has a long and storied history that dates back to the early days of radio broadcasting. The NIST has been involved with radio and radio frequency research almost from its founding in 1901. Scientists at the National Bureau of Standards (NBS), as it was then known, began research in radio frequency propagation as early as 1905. During World War I, the NBS had established its Radio Section, working closely with the military to research and develop radio techniques for defense and navigation.

The radio station call letters WWV were assigned to NBS in October 1919. Although the call letters WWV are now synonymous with the broadcasting of time signals, it is unknown why those particular call letters were chosen or assigned. By December 1922, officials decided that the station's purpose would be the transmission of standard frequency signals, as a reference standard for other radio broadcasters. The first tests of WWV as a standard frequency station were conducted in January 1923, with an output power of 1 kW.

After 1924, Amateur Radio saw new rules governing the Service, and what we know as

"bands" came into being. Now that WWV had begun transmitting broadcast standard frequency signals, hams knew just where they were on the bands as to not be in violation of the rules.

A quartz oscillator made it possible for WWV to meet the needs of the radio industry, which desperately needed a reliable reference standard for frequency. The number of amateur and commercial radio stations was rapidly increasing across the United States, and it was essential for all stations to stay near their assigned frequencies so that stations would not interfere with each other, keeping the airwaves usable. By 1928, the Federal Radio Commission was calling for all commercial stations to stay within 500 Hz of their assigned frequency.

"The [WWV] clock is accurate to 1 part in 1 trillion," Ford wrote in his article, "At the Tone..." "The transmitting frequencies are accurate to about 1 part in 100 billion. These signals serve as the most popular time and frequency standards for engineers, broadcasters, scientists, sailors, pilots and Amateur Radio operators worldwide. If the accuracy is good enough for astronomers, it's good enough for Amateur Radio. I don't think too many hams lose sleep whether or not their rigs are off frequency by 1 part in 10 million."

Back in 1945, Isidor Rabi, a physics professor at Columbia University, suggested a clock could be made from a technique he had developed -- called atomic beam magnetic resonance -- in the 1930s. That dream became reality in 1949, when the National Bureau of Standards announced that using Rabi's technique; they had developed the world's first atomic clock using the ammonia molecule as the source of vibrations.

WWV and WWVH operate in the HF portion of the radio spectrum. Both stations radiate 10,000 W on 5, 10 and 15 MHz, but WWV radiates 2500 W on 2.5 and 20 MHz, while WWVH radiates 5000 W on 2.5 MHz. Each frequency is broadcast from a separate transmitter. Although each frequency carries the same information, multiple frequencies are used since the quality of HF reception depends on many factors, such as location, time of year, time of day, the frequency being used and atmospheric and ionospheric propagation conditions. The variety of frequencies makes it likely that at least one frequency will be usable at all times.

The WWV antennas are half-wave vertical antennas that radiate omnidirectional patterns. There are actually five antennas at the station site, one for each frequency. Each antenna is connected to a single transmitter using a rigid coaxial line; the site is designed so that no two coaxial lines cross. Each antenna is mounted on a tower that is approximately one half-wavelength tall. The tallest tower, for 2.5 MHz, is about 197 feet tall. The shortest tower, for 20 MHz, is about 25 feet tall. The top half of each antenna is a quarter-wavelength radiating element. The bottom half of each antenna consists of nine quarter-wavelength wires that connect to the center of the tower and slope downwards to the ground at a 45 degree angle. This sloping skirt functions as the lower half of the radiating system and also guys the antenna.

From 2000-2007 at WWVH, NIST has installed new antennas encased in fiberglass -- rather than traditional steel supports -- to resist corrosion from the salty ocean air. The fiberglass design will reduce maintenance and repair costs. The new design also enables the flexible, lightweight antennas to be easily lowered to the ground for maintenance, reducing safety hazards to staff. The improved antennas should reduce signal downtime for WWVH users. The 5 MHz antenna system consists of half-wave phased array vertical antennas. The 2.5, 10 and 15 MHz antennas are base-fed vertical monopoles that radiate omnidirectional patterns. Each frequency also has a vertical monopole standby antenna connected to the standby transmitters, in the event that the primary system fails.

The signals broadcast by WWV and WWVH use double sideband amplitude modulation. The modulation level is 50 percent for the steady tones, 50 percent for the BCD time code, 100 percent for the second pulses and the minute and hour markers, and 75 percent for the voice announcements.

Next time you are tuning across the bands and hear WWV or WWVH, stop and listen -- there's a lot of history in those tones. -- *Thanks to NIST Special Publication 250-67, [NIST Time and Frequency Radio Stations: WWV, WWVH and WWVB](#), by Glenn K. Nelson, Michael A. Lombardi and Dean T. Okayama, for information on the early days of WWV.*

From *The ARRL Letter*, October 22, 2009

REMEMBERING THE WOODPECKER

By Stan Horzepa, WA1LOU, Contributing Editor

If you were an active ham radio operator or shortwave listener between 1976 and 1989, you probably remember a rather nasty form of interference on the HF bands during that era known as the "Russian Woodpecker." Its name came about because triangulation indicated that it originated in the west end of the USSR and its signature tapping sounded like a woodpecker pecking at wood.

Its real name was Duga-3 and it served as over-the-horizon radar for the USSR's anti-ballistic missile early warning system. With an estimated transmission power of 10 MW EIRP, the Russian Woodpecker played havoc on the HF bands.

To combat the Woodpecker, some hams attempted to 'jam' the signal. Simple CW pulses didn't appear to have any effect. However, playing back recordings of the woodpecker transmissions sometimes caused the woodpecker transmissions to shift frequency leading to speculation that the receiving stations were able to differentiate between the 'signature' waveform of the woodpecker transmissions and a simple pulsed carrier."

The Woodpecker disappeared in 1989. Its demise was probably due to the end of the Cold War, the end of the USSR and new satellite early-warning systems.

[Everything2](#) and [Wikipedia](#) have interesting and contradictory (from a ham radio perspective) entries about the Woodpecker. The Wikipedia entry includes [a sound file of the Woodpecker interfering with WWVH](#) in 1984.

It is an interesting piece of radio history, but what rekindled my interest in the Russian Woodpecker is the spate of photographs of the Duga-3 antenna farm that I have encountered on the Internet recently. Your mileage may vary, but I believe one of the best collections of photographs is on the [English Russia Web site](#).

By the way, the antenna farm is inside the [30 km Chernobyl Zone of Alienation](#). For some eerie photos from the Chernobyl Zone, including more photos of the Duga-3 antenna farm, visit the [Pripyat Project Web site](#).

From arrl.org/newsfeatures/ October 23, 2009

ARRL ADOPTS RADIO USE GUIDLINES

On Friday, September 25, the ARRL Board of Directors adopted guidelines on the appropriate use of Amateur Radio on behalf of commercial, non-profit and government entities, as well as recommendations for additional steps to be taken by the ARRL to educate radio amateurs and others on how to prepare and train for public service and emergency communications while complying with the current FCC Rules.

At its meeting in July 2009, the ARRL Board created an ad-hoc committee to study the issue and prepare suggested guidelines. The committee submitted its report to the ARRL Executive Committee, which reviewed and revised the document. After additional discussion among Board members by electronic mail and teleconference, the Executive Committee submitted the document to the Board for formal adoption.

Entitled [The Commercialization of Amateur Radio: The Rules, The Risks, The Issues](#), the document offers guidelines to assist radio amateurs and anyone wishing to utilize the capabilities of Amateur Radio in understanding the FCC Rules that prohibit communications in which the amateur has a pecuniary interest, including communications on behalf of an employer. While the FCC Rules in this regard have not changed in many years, there has been increasing discussion of the issue as growing numbers of employers and non-amateur organizations recognize the value of Amateur Radio as an emergency communications resource and encourage their employees to obtain amateur licenses. Also included are guidelines for evaluating the appropriateness of Amateur Radio volunteers providing communications services to commercial enterprises and other entities for which other communications systems are available.

"The guidelines are not intended to be the last word on the subject, and surely will not be," observed ARRL First Vice President Kay Craigie, N3KN, and chair of the ad-hoc committee. "The report includes several recommendations for additional steps that the ARRL needs to take to help amateurs and the organizations we serve to better understand the Rules and to ensure that what we do to prepare to be of service in emergencies is consistent with the current Rules."

From The ARRL Letter, October 1, 2009

THE WOUFF HONG



The Wouff Hong - a "fearsome instrument for the punishment of amateurs who cultivate bad operating habits."

Every amateur should know and tremble at the history and origins of this fearsome instrument for the punishment of amateurs who cultivate bad operating habits and who nourish and culture their meaner instincts on the air. The [Wouff Hong](#) was invented -- or at any rate, discovered -- by "The Old Man" himself, just as amateurs were getting back on the air after World War I. The Old Man (who later turned out to be Hiram Percy Maxim, W1AW, co-founder and first President of ARRL) first heard the Wouff Hong described amid the howls and garble of interference as he tuned across a band filled with signals that exemplified all the rotten operating practices then available to amateurs (considering the state of the art as they knew it). As The Old Man heard it, the Wouff Hong was being used on some hapless offender so effectively that he investigated. After further effort, "T.O.M." was able to locate and identify a Wouff Hong. The Old Man never prescribed the exact manner in which the Wouff Hong was to be used, but amateurs need only a little imagination to surmise how painful punishments were inflicted on those who stoop to liddish behavior on the air. The Original Wouff Hong is on display at ARRL Headquarters. Find out more about this dreaded instrument of torture [here](#).

From The ARRL Letter, October 15, 2009

JUST HOW BAD IS IT?

The economy is so bad if the bank returns your check marked "Insufficient Funds," you call them and ask if they meant you or them.

The economy is so bad Hot Wheels and Matchbox stocks are trading higher than GM.

The economy is so bad a truckload of Americans was caught sneaking into Mexico.

SUMBANDILASAT NOW OSCAR 67

The South African Amateur Radio satellite [SumbandilaSat](#) has been officially designated SumbandilaSat-OSCAR 67, or simply OSCAR 67. Last weekend, the satellite was successfully activated and tested with a number of contacts made through its transponder, but it is not yet open for routine use. The satellite was launched from the [Baikonur Cosmodrome](#) in Kazakhstan on September 17. The main payload is a multi-spectral imager, but the satellite also carries an Amateur Radio component consisting of a 2 meter/70 cm FM repeater. After SumbandilaSat is fully commissioned, the repeater will be activated with an uplink at 145.880 MHz and a downlink at 435.350 MHz; there will also be a voice beacon at 435.300 MHz. The transponder mode will be controlled by a CTCSS tone on the uplink frequency. SumbandilaSat was sponsored by the Department of Science and Technology and was built at [SunSpace](#) in cooperation with the [Stellenbosch University](#). In addition to the SA-AMSAT amateur module, the satellite carries Stellenbosch University's radiation experiment and software defined radio (SDR) project, an experiment from Nelson Mandela Metropolitan University and a VLF radio module from the University of KwaZulu-Natal.

From *The ARRL Letter*, October 22, 2009

FIRM FINED FOR USING HAM FREQS.

On September 28, the FCC issued a Notice of Apparent Liability for Forfeiture (NAL) to a California firm that the Commission maintains was using amateur frequencies to conduct business. According to the Commission, Shimmick Construction Company, Inc/Obayashi Corporation, Joint Venture ("Shimmick-Obayashi") -- licensees of stations WQER756, WQEN793, WQJI360 and WQKG818 -- apparently repeatedly violated Section 1.903(a) of the Commission's Rules "by failing to operate only in accordance with the rules applicable to their particular service as set forth in the Commission's Rules and with a valid authorization granted by the Commission." Click [here](#) for more information.

From *The ARRL Letter*, October 8, 2009

HUDSON DIV. AWARDS LUNCHEON

The Hudson Division Awards Luncheon will be held on Sunday, November 8 from noon to 4 PM at Biagio Restaurant, 299 Paramus Road, Paramus, NJ. Tickets must be purchased in advance and are \$50 per person. For more information, go to www.hudson.arrl.org/#HudsonAwards

The following awards are being presented:

Amateur of the Year: James Mezey, Jr., W2KFV

Technical Achievement: Dave Struebel, WB2FTX

Grand Ole Ham: Diane Ortiz, K2DO

ANGOLA APPROVED FOR DXCC

ARRL DXCC Manager Bill Moore, NC1L, reports that the current Angola operation -- D2QMN -- has been approved for DXCC credit. "If you had cards that were recently rejected for this operation, please send an [e-mail](#) to the ARRL DXCC Desk and you will be placed on the list for update," Moore said.

From *The ARRL Letter*, October 8, 2009

DXCC APPROVES FT5GA OPERATION

ARRL DXCC Manager Bill Moore, NC1L, reports that the FT5GA operation on [Glorioso Island](#) -- September 14-October 8, 2009 -- has been approved for DXCC credit. Until this operation, Glorioso sat at number 4 on *DX Magazine's* Most Wanted list; five operators operating for 23 days made more than 50,000 QSOs to make this rare one available.

From *The ARRL Letter*, October 22, 2009

IRCS CHANGING

It is now time to start dumping your old International Reply Coupons (IRCs). The "[Beijing Model No 2](#)" must be redeemed before December 31, 2009. The new IRC -- the [Nairobi Model IRC](#) -- has been available in the US since September 10 and elsewhere since July; the price is \$2.10 each in the US. The Nairobi Model is due to expire in 2013. For more information, click [here](#). Thanks to [The Daily DX](#) for the information.

From *The ARRL Letter*, October 1, 2009

NOTES ON CALENDAR (see last page)

Large call letters denote birthdays e.g., **N2CUG** December 7. All times are EST. Contests are listed in the November QST, p. 86.

November 1 – **EST** starts at 2 AM. Set your clocks **BACK** one hour.

November 1 and every Sunday – **InfoAge Marconi Hotel** open from 1 to 4 PM on Marconi Road in Wall. Exhibits by QCWA, OMARC, Antique Radio, Broadcaster's Hall of Fame, etc. \$5 donation requested.

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

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

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

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

November 4 – **W1AW Qualifying Run** at 9 AM (35-10 wpm). See November QST, p. 86 or www.arrl.org/w1aw

November 4 – **GSARA Meeting** at 7:30 PM at the MARS Building at Fort Monmouth.

November 5 - **Holiday City ARC meeting** at 7 PM at Holiday City South Clubhouse in Toms River.

November 7-8 – **ARRL November Sweepstakes**, CW from 4 PM Sat. to 10 PM Sun. See www.arrl.org/contest

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

November 10 – **Monmouth Amateur Radio Club meeting** at 7 PM in Union Beach Police Annex (Municipal Building) on Poole Avenue.

November 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

November 12 – **Jersey Shore Amateur Radio Society (JSARS)** meeting in Riverview Park Recreation Building, Rt. 527 and Riverwood Drive in Toms River at 7:30 PM.

November 14 – **OMARC Meeting**, 9:00 AM at the Diana Site on Marconi Road, Wall, NJ.

November 14 – **Holiday City VE Session** at 10 AM in Toms River. Pre-register with Larry Puccio, K2QDY at 732-349-2950 or e-mail at lpuccio1@comcast.net

November 14-15 – **CQ Western Electric**, all modes from 2 PM Sat. to midnight Sun. See www.cqwe.cboh.org

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

November 18 – **GSARA Meeting** at 7:30 at the Red Cross, West Park Ave. and Shafto Road in Tinton Falls. Program is about the NTS and traffic handling.

November 19 – **JSARS VE Test Session** at 7:30 PM Riverview Park Recreation Bldg., Rt. 527 and Riverwood Drive in Toms River. Contact Ed Genoio, WA2NDA at 609-971-2792 or wa2nda@comcast.net.

November 17 – **W1AW Qualifying Run** at 7 PM (10-35 wpm). See November QST, p. 86 or www.arrl.org/w1aw

November 21-22 - **ARRL November Sweepstakes**, SSB from 4 PM Sat. to 10 PM Sun. See www.arrl.org/contest

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

November 26 – **Thanksgiving Holiday**.

November 27-29 – **CQ WW DX**, CW from 7 PM Saturday to 6:59 PM Sunday. See www.cqww.com

November 28 – **Neptune Amateur Radio Club Meeting** at 9 AM at the American Legion on Gully Road in Neptune.

November 30 – **Monmouth County RACES** on 147.045 +600, PL=67.0 at 7:30 PM.

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1 InfoAge	2 ARES/RACES 7:30	3 Pancake House Old Barney ARC QCWA News 9 PM	4 CW Qual. Run GSARA Mtg	5 Hol. City Mtg.	6	7 N2CUG ARRL SS CW
8 KG2NV ARRL SS CW InfoAge	9 RACES Net 7:30	10 MARC Mtg 7 PM Croyden VE 7 PM QCWA News 9 PM	11	12 W2NXG JSARS Mtg.	13	14 OMARC Mtg. Hol. City VE CQ WE
15 CQ WE InfoAge	16 KB2USF CQ WE ARES/RACES 7:30	17 CW Qual. Run QCWA News 9 PM	18 KB2SZW GSARA Mtg	19 JSARS VE	20	21 WA2DND ARRL SS SSB
22 ARRL SS SSB InfoAge	23 ARES/RACES 7:30	24 QCWA News 9 PM	25 KC2VIN	26 W2KQ Thanksgiving	27 CQ WW CW	28 Neptune Mtg CQ WW CW
29 CQ WW CW InfoAge	30 RACES Net 7:30					



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FIRST CLASS