



Holmdel, NJ 07733
Editor: Bob Buus, W2OD

THE PROPAGATOR

DECEMBER 2012

UPCOMING GSARA MEETING

The next GSARA meeting will be held on **Wednesday, December 5 at 7:30 PM** at the Red Cross. This will be a regular business meeting and the formal election of officers for 2013 since there were no meetings in November due to hurricane Sandy. Guests are welcome and refreshments will be served.

The last GSARA meeting of the year will be held on **Wednesday, December 19 at 7:30 PM** at the Red Cross. President Frank, W2XYZ will recap our activities of 2012 and we should all discuss what we would like to do in 2013. Guests are always welcome and light refreshments will be served.

NEW HUDSON DIRECTOR ELECTED

On November 16, ballots were counted in the race for Director in the Hudson Division. Mike Lisenco, N2YBB, defeated incumbent Joyce Birmingham, KA2ANF, for the top slot in that Division. Terms for Directors begin at noon on January 1, 2013 and run for three years. Read more here.

From The ARRL Letter, November 21, 2012

HUDSON DIVISION AWARDS LUNCH

The Hudson Division Awards Luncheon, originally scheduled for November 11 has been postponed to a later date due to hurricane Sandy. More information can be found on the Hudson Division Home page (below).

GSARA HOMEPAGE

<http://www.gardenstateara.org>

HUDSON DIVISION HOME PAGE

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

A NOTE FROM OUR NEW DIRECTOR

By Mike Lisenco, N2YBB

The results are in, and I am happy to announce that, as of noon January 1, 2013, I will assume the position of Hudson Division Director. I am humbled by the support I've been shown by the membership, and I will do my utmost to make you proud. You are the real Hudson Division Team, 6,000 strong, a team that is not merely two individuals, but a team comprised of the 6,000 ARRL members in this division, all equal.

Over the next three years, you will be seeing a lot of me and you'll have the opportunity to interact with me directly. I feel that the best way to represent the membership is to include you, the membership, in the decision-making process.

I am issue-oriented, and I have an agenda. Whether or not I'm successful remains to be seen. I know that success will require hard work and the ability to negotiate and compromise. I'm up for the job.

I plan on meeting with club and section leaders (in each of our three sections) after the January ARRL Board meeting to discuss what transpired there and how it affects us. And then I plan on holding open meetings to all members throughout the year to get YOUR input, the single most important piece of the process.

In closing, I'd like to recognize and thank Joyce Birmingham KA2ANF for her years of service to the Hudson Division.

My contact information, which is in QST, is: n2ybb@arrl.org or 917-865-3538.

I am excited about working for you and look forward to the next three years. Again, I thank you for your support, for your best wishes for success, and for being part of the Hudson Division.

GSARA OFFICERS

| | | | |
|------------|-------|------------------|----------|
| President | W2XYZ | Frank Wroblewski | 942-7705 |
| Vice Pres. | W2HTS | Howard Suffill | 460-1885 |
| Secretary | W2OD | Bob Buus | 946-8615 |
| Treasurer | K2QXW | Bruce McLeod | 946-4368 |
| Engineer | N2LXM | Jeff Harshman | 922-0816 |
| Webmaster | KE2V | Vince Rosati | 229-3283 |
| Publicity | NJ2H | Bill Shockley | 207-4466 |
| Repeater | N2LXM | Jeff Harshman | 922-0816 |
| Trustees | W2KQ | Joe Dreifuss | 493-4236 |
| | W2OD | Bob Buus | 946-8615 |
| | W2HAM | Lou Russo | 842-6431 |

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 December is on the 31st 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

Unless you live near the coast, most of us are seeing our lives get back to normal after the effects of hurricane Sandy. We hope to resume our regular meetings at the Red Cross in December (see page 1). Since we didn't have any meetings in November, there were no minutes so I used the extra space in this edition of *The Propagator* to run the story about Hedy Lamarr on page 7. She certainly led an interesting life! Her first husband tried to buy up all of the copies of the movie *Ecstasy* but was unsuccessful. I understand that the movie is still around but I haven't seen it.

I was sorry to see that Sam, KC2HAW became a silent key (p. 3). He was a regular attendee at the Middletown Pancake House lunches until he became too ill to get out. He kept his membership in GSARA until this last year. He will be missed.

I was surprised that Joyce, KA2ANF lost the election for Hudson Division Director since I thought that she was doing a good job. It will be interesting to see how things might change with our new Director, Mike Lisenco, N2YBB (see p. 1).

I found it interesting that there will be a special event station on the air December 20-22 to commemorate the end of the world (see p. 4). I hope to work N0D at that time.

The HMS Bounty has been closely tied to amateur radio and it is sad to see that its replica was a victim of hurricane Sandy (see p. 5). Captain Robin Walbridge, KD4OHZ is presumed a silent key.

If you are interested in obtaining a [gardenstateara.org](mailto:call_sign@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 January issue is December 15.

73 de Bob, w2od@arrl.net

BOB MCLAUGHLIN, N2SAU - SK

Robert D. McLaughlin, N2SAU died on Tuesday, Oct. 9, 2012. Bob was the loving husband of the late Ruth Williams McLaughlin, devoted father to Lynn McLaughlin of South Hadley, MA and Robert W. "Bob" McLaughlin and father-in-law of Lisa McLaughlin of St. Louis, MO, beloved grandfather of Laura McLaughlin of Boston and Scott McLaughlin currently of Nashville, TN, and dear brother of Martha McLaughlin of Hockessin, DE.

Bob was born in Peoria, IL, moved to Baltimore as a child and to New Orleans as a teenager. He graduated from Cornell University with an electrical engineering degree and then served in the [U.S. Navy](#) as a Lieutenant J.G. on the USS Mullany. He worked for many years for RCA, where he contributed to the Voyager space probe project, and later Schlumberger, where he was involved in the development of the Hubble telescope. He lived for many years in the Oak Hill section of Middletown, and for the past five years at Seabrook Village in Tinton Falls. Bob was a longtime member of the Monmouth Boat Club and an avid sailor his whole life. He was also a member of the Garden State Amateur Radio Association and enjoyed ham radio contacts with people throughout the world, as well as near-daily communication with his amateur radio buddies called The Quackers.

A memorial service was held on Nov. 17 at Seabrook Village in Tinton Falls.

SAM MARINO, KC2HAW - SK

Samuel E. Marino, KC2HAW, age 89, of Atlantic Highlands died Friday, November 16, 2012 at Care One At King James Care Center in Middletown. Born in Smyrna NY he lived in Middletown for many years. He served his country honorably as a military instructor in the US Army Signal School during [WWII](#). After his discharge and later from 1954-55 he was a Civil Service Instructor at the US Army Signal School at Fort Monmouth. He was a contributor and editor for the US Army Signal Publications Agency in 1958. In 1973, he was promoted to Chief of the SIGINT electronic warfare section, technical publications division. He was promoted to the Chief of the Electronics Narrative Branch in 1983.

Sam was a radio amateur with the call KC2HAW and was a member of the GSARA for many years up through 2011. Up until the past year, he often attended the first Tuesday luncheons at the Middletown Pancake House. He was an avid fisherman and will always be remembered for his love of family.

He is survived by his wife Antoinette, his daughter Diane Marino, and son Peter.

Funeral Services were held on Monday, November 26 with interment in Rosehill Crematory/Cemetery in Linden.

ROD NEWKIRK, W9BRD - SK

Rod Newkirk, W9BRD/VA3ZBB, of Ottawa, Ontario, Canada -- who penned the QST column "How's DX?" from 1947-1978 -- passed away on Monday, November 19 after a long illness. Newkirk was credited with coining the term "Elmer," as well as for his humorous take on DX in his column, especially with limericks in his DX Hoggery and Poetry Depreciation Society and the accompanying cartoons of Jeeves by Phil "Gil" Geldersleeve, W1CJD (SK).

The term "Elmer" -- meaning someone who provides personal guidance and assistance to would-be hams -- first appeared in QST in Newkirk's March 1971 "How's DX?" column, where he wrote that "[t]oo frequently one hears a sad story in this little nutshell: 'Oh, I almost got a ticket, too, but Elmer, W9XYZ, moved away and I kind of lost interest.' Sure, the guy could have burned through on his own, maybe, but he, like others, wound up an almost-ham. No more Elmer. We need those Elmers. All the Elmers, including the ham who took the most time and trouble to give you a push toward your license, are the birds who keep this great game young and fresh." Newkirk was probably not trying to coin a term at the time, but the name stuck, becoming a general term for the mentors Newkirk called "the unsung fathers of ham radio." Read more here.

From The ARRL Letter, November 21, 2012

QST – THERE’S AN APP FOR THAT

ARRL members who use Apple iOS mobile devices -- iPhone, iPad and iPod Touch -- can now download a new dedicated app to access and browse all issues of the digital edition of QST. This app allows ARRL members to read QST online or download individual issues of the journal for offline reading. This free app is available to ARRL members in the Apple App Store.

Using the New QST App:

- From your iOS device, go to the Apple App Store to search for and install the free QST app. Or simply click here to download the app now.
- Verify your Apple ID password.
- Open the app and go to the "QST Catalog" to browse available digital issues.
- Tap on the cover of an issue and select "Read" or "Download."
- Log in with your ARRL website username and password. If you do not have an ARRL website username and password, please register here.
- Each time you download an issue in the app, it is added to the "My QST Library" to view offline. Note: Before viewing issues offline, you must first initialize each issue online using your ARRL website login.
- To stream embedded video and audio, you must be connected to the Internet.
- This app may send anonymous usage statistics to ARRL and our service providers to help us improve QST and to better meet the needs of our members. To disable sending usage information, turn ON the "Disable Tracking" feature for the QST app in your iOS device settings. For more information, visit the Digital QST FAQ page and the ARRL Online Privacy Policy.

From *The ARRL Letter*, November 15, 2012

END OF WORLD SPECIAL EVENT

That’s right, the end is finally near. According to one of the three Mayan Calendars, the End of the world will occur on Dec 21, 2012. To

celebrate this literally once in a lifetime event, Special Event Station N0D (Now Zero Days) will be activated on 10-80 meters and on several satellite passes for three days during and after(?) the end of the world. December 20; is a celebration of the end of the world. December 21, the day of destruction, we will be on the air as long as possible. December 22nd is a little iffy right now.

Amateur radio stations around the crumbling globe are invited to contact N0D, who will be operating from a secret, undisclosed location. Our operating schedule may be a little erratic as destruction rains down upon us and as long as our antennas hold out. Those who may be looking skyward for the end of the world, N0D will be operating on several satellite passes.

This will provide cosmic, maybe even intergalactic coverage for the end of the world as we know it. Our Doomsday Special Event has been picked up by the Amsat News Service and will be carried in a future bulletin.

You can celebrate Doomsday by contacting N0D directly on the air. Amateurs can also become an official Doomsday station by registering on our website. You will be given a registration number and the authority to identify yourself as “Official Doomsday Station” followed by your Doomsday number.

QSL with SASE to KK5W. If Doomsday actually does happen, we regret that a QSL will not be possible so hold on to your SASE until the 22nd at least. Check out our website for a preview of the N0D QSL card.

It is not entirely clear exactly how it will happen. Will it be a cataclysmic shift in the earth’s magnetic field, Global Warming on steroids, earthquakes, volcanoes, floods, global thermonuclear war, meteor collision, the 10 plagues of Egypt, UFO invasion; who knows? There are scientists, soothsayers and philosophers on both sides of the question. Either way it will be an event worth remembering. . .or maybe there will be no one left to remember it?

More information is available on the Official N0D website, www.nowzerodays.com

TALL SHIP BOUNTY SANK

Every DXer knows the story of the HMS Bounty and Pitcairn Island, VP6: In 1789, the HMS Bounty -- a small three-masted sailing vessel sent by Britain's Royal Navy to the Pacific on a supply expedition -- was roiled by tension between its crew and its captain, William Bligh. After landing in Tahiti and taking on a cargo of breadfruit, the Bounty set sail for the West Indies; it never reached that destination. Instead, Master's Mate Fletcher Christian led the men in a mutiny, eventually allowing Bligh and his loyalists to sail off in a longboat. After an arduous journey, they reached safety at the Dutch-owned port of Kupang. Christian and his followers ended up on Pitcairn Island where they burned the Bounty and settled on the island. Passing ships did not discover the enclave until after the turn of the



Bounty Captain Robin Walbridge, KD4OHZ, is presumed lost at sea.

century.

On Monday, October 29, a replica of the Bounty -- built in 1960 for a remake of the 1962 film *Mutiny on the Bounty* -- sank off the coast of North Carolina as Hurricane Sandy made its way toward New Jersey. Of its 16 crew members, 14 were rescued by the US Coast Guard. Bounty Captain Robin Walbridge, KD4OHZ, never made it to one of the two deployed life rafts and is presumed dead. Claudene Christian, who claimed to be a direct descendent of Fletcher Christian, was unresponsive and passed away at a North Carolina hospital on Monday evening.

Doug Faunt, N6TQS, of Oakland, California, was one of the 14 who was rescued by the Coast Guard; Faunt served as a deckhand and was also the ship's electrician. A noted DXer and ARRL Life Member; he was part of the FO0AAA DXpedition crew in 2000 to Clipperton Island. He was also a member of the VP6DIA DXpedition to Ducie Island, and in 2007, he was part of the DXpedition to Lakshadweep. According to Spud Roscoe, VE1BC, Faunt had satellite communications equipment and Winlink capabilities on board the Bounty, but he was not the ship's radio officer. "Sailing on replica ships was a hobby of Doug's," Roscoe told the ARRL. "He had previously sailed across the Great Australian Bight on a replica of the HMB Endeavour, Captain Cook's ship. He was an able seaman of the watch." Roscoe was the radio officer on the replica Bounty for its original



Doug Faunt, N6TQS, served as a deckhand and electrician on the Bounty. He, along with 13 others, was rescued by the US Coast Guard.

voyage to France in 1962.

Faunt told the ARRL that the Bounty crew tried various methods, including a satellite phone, to call for help, "but we got nothing when tried calling out on HF. We tried calling the Maritime Mobile Net, but nothing was out there. We had Winlink on the ship that we used for e-mail and accessing the Internet to post to blogs and to Facebook, and we finally found an e-mail address for the Coast Guard. As a last-ditch effort, we used Winlink to e-mail the Coast Guard for help. Within an hour, we heard a C-130 plane, and later, a helicopter overhead." According to Faunt, it

was Walbridge, as master of the ship, who sent out the distress messages.

"I don't know how I made it off the ship," Faunt recalled. "I had finished serving a long watch, and then we started going down. I was exhausted. I had to swim to get to the life raft. The water was full of rigging, and here I am, in my Gumby suit, trying to swim. It was so difficult. While swimming to the raft, I came up for air and a spar was coming at me. I finally found a raft and tried to climb into it, but I almost didn't make it, tired as I was. Through the help of my shipmates who were already aboard the raft, I got on." The two life rafts were out about 100 miles from shore when they were rescued.

The vessel left Connecticut on Thursday, October 25 with a crew of 11 men and five women, ranging in age from 20-66. After being treated at a hospital in Elizabeth City, North Carolina, Faunt arrived back home in California on Wednesday, October 31. "I'm looking for a new boat to sail and a DXpedition to go on," Faunt told the ARRL. "Ham radio got me into my position on the Bounty, and ham radio got me out alive!"

From *The ARRL Letter*, November 1, 2012

FIFTEEN YEARS AGO

From the November and December 1997 Propagators: Phil Petersen, W2DME was made a Fellow of the Radio Club of America for his series about amateur radio broadcast on a local FM station. New Officers for 1998 are Rich Rohloff, KG2CN, President; Bob Roman, N2DR, VP, Jack Petro, KB2GJU-SK, Secretary; Lou Russo, W2HAM, Treasurer and Bob Curci, N2XWK, Chief Engineer. Tom Cosgrove, N2VFK was given a special award for his communication assistance he provided during July's wild fires in Ocean County. A special event station was operated at Twin Lights on November 8 and 9 to commemorate the 50th anniversary of GSARA. Although the weather was not good, over 300 contacts were made. We had a holiday party at Bicentennial Hall on December 3. The FCC is implementing RF Safety requirements for amateur stations starting January 1, 1998.

TEN YEARS AGO

From the November and December 2002 Propagators: New officers of GSARA for 2003 were Herb Holzberg, W2HH, President and Rich Ardolino, K2CPE, Vice President. Frank, W2XYZ; Bob, W2OD; and Frank, K2TVY agreed to continue to serve as Treasurer, Secretary and Chief Engineer respectively. The ARRL Audio News marked its fifth birthday on October 17. The annual GSARA Dinner-Dance was held for the second year at English Manor in Ocean. Music was provided by Joey Amenio & "The Family" consisting of Joey, K1SAX; Doreen, K2HLO; and Nick, KC2FAL. Guest speaker at the November meeting was Bob Roman, N2DR talking about safely climbing towers. The VE exam fee went from \$10 to \$12 (it's \$15 now – Ed.)

TWENTY YEARS AGO

From the November and December 1992 Propagators: New GSARA officers for 1993 are Don Venberg, W2GEZ-SK, President; Bob Roman, N2DR, VP; Bob Buus, W2OD, Secretary, Rich Cardwell, AA2BY, Treasurer and Bill Zeisler, W2DLP, Chief Engineer. GSARA members were offered Associate Membership in OMARC at bargain prices which included full access and phone patch capabilities on both OMARC repeaters. A group of GSARA members "mountain topped" from Bear Mountain in New York on November 7 using 2 meters and 70 cm. An updated roster was published which included 128 members. New members included Rich Evans, KB2MUN-SK; and Rich Krohn, N2SMV.

TWENTY-FIVE YEARS AGO

From the November and December 1987 Propagators: John Magliacane, KD2BD had nice 2-page articles about the amateur radio satellites in each issue. New officers for 1988 are Jon Lowing, N2DPC, President, Sandy Varnick, KD2BV, VP; John Magliacane, KD2BD, Secretary; Clarence Kastner, KA2OZA-SK, Treasurer; and Bob Ewing, WA4GWG, Chief Engineer.

MOVIE STARLET'S CREATION

In 1933, a beautiful, young Austrian woman took off her clothes for a movie director. She ran through the woods - naked. She swam in a lake - naked. Pushing well beyond the social norms of the period, the movie also featured a simulated orgasm. To make the scene "vivid," the director reportedly stabbed the actress with a sharp pin just offscreen.

The most popular movie in 1933 was King Kong. But everyone in Hollywood was talking about that scandalous movie with the gorgeous, young Austrian woman.

Louis B. Mayer, of the giant studio MGM, said she was the most beautiful woman in the world. The film was banned practically everywhere, which of course made it even more popular and valuable. Mussolini reportedly refused to sell his copy at any price.

The star of the film, called *Ecstasy*, was Hedwig Kiesler. She said the secret of her beauty was "to stand there and look stupid." In reality, Kiesler was anything but stupid. She was a genius who had grown up as the only child of a prominent Jewish banker. She was a math prodigy and excelled at science. As she grew older, she became ruthless, using all the power her body and mind gave her.

Between the sexual roles she played, her tremendous beauty, and the power of her intellect, Kiesler would confound the men in her life, including her six husbands, two of the most ruthless dictators of the 20th century, and one of the greatest movie producers in history.

Her beauty made her rich for a time. She is said to have made, and spent, \$30 million in her life. But her greatest accomplishment resulted from her intellect. Her invention continues to shape the world we live in today.

You see, this young Austrian starlet would take one of the most valuable technologies ever developed right from under Hitler's nose. After fleeing to America, she not only became a major Hollywood star, her name sits on one of the most important patents ever granted by the U.S. Patent Office.

Today, when you use your cell phone or, over the next few years, as you experience super-fast

wireless Internet access (via something called "long-term evolution" or "LTE" technology), you'll be using an extension of the technology a 20-year-old actress first conceived while sitting at dinner with Hitler.

At the time she made *Ecstasy*, Kiesler was married to one of the richest men in Austria. Friedrich Mandl was Austria's leading arms maker. His firm would become a key supplier to the Nazis.

Mandl used his beautiful young wife as a showpiece at important business dinners with representatives of the Austrian, Italian, and German fascist forces. One of Mandl's favorite topics at these gatherings - which included meals with Hitler and Mussolini - was the technology surrounding radio-controlled missiles and torpedoes. Wireless weapons offered far greater ranges than the wire-controlled alternatives that prevailed at the time. Kiesler sat through these dinners "looking stupid," while absorbing everything she heard.

As a Jew, Kiesler hated the Nazis. She abhorred her husband's business ambitions. Mandl responded to his willful wife by imprisoning her in his castle, Schloss Schwarzenau. In 1937, she managed to escape. She drugged her maid, snuck out of the castle wearing the maid's clothes, and sold her jewelry to finance a trip to London.

(She got out just in time. In 1938, Germany annexed Austria. The Nazis seized Mandl's factory. Mandl, who was half Jewish, fled to Brazil. Later, he became an advisor to Argentina's iconic populist president, Juan Peron.)

In London, Kiesler arranged a meeting with Louis B. Mayer. She signed a long-term contract with him, becoming one of MGM's biggest stars. She appeared in more than 20 films. She was a co-star to Clark Gable, Judy Garland, and even Bob Hope. Each of her first seven MGM movies was a blockbuster.

But Kiesler cared far more about fighting the Nazis than about making movies. At the height of her fame, in 1942, she developed a new kind of communications system, optimized for sending coded messages that couldn't be "jammed." She was building a system that would allow torpedoes

and guided bombs to always reach their targets. She was building a system to kill Nazis.

By the 1940s, both the Nazis and the Allied forces were using the kind of single-frequency radio-controlled technology Kiesler's ex-husband had been peddling. The drawback of this technology was that the enemy could find the appropriate frequency and "jam" or intercept the signal, thereby interfering with the missile's intended path.

Kiesler's key innovation was to "change the channel." It was a way of encoding a message across a broad area of the wireless spectrum. If one part of the spectrum was jammed, the message would still get through on one of the other frequencies being used. The problem was, she could not figure out how to synchronize the frequency changes on both the receiver and the transmitter. To solve the problem, she turned to perhaps the world's first techno-musician, George Anthiel.

Anthiel was an acquaintance of Kiesler who achieved some notoriety for creating intricate musical compositions. He synchronized his melodies across twelve player pianos, producing stereophonic sounds no one had ever heard before. Kiesler incorporated Anthiel's technology for synchronizing his player pianos. Then, she was able to synchronize the frequency changes between a weapon's receiver and its transmitter.

On August 11, 1942, U.S. Patent No. 2,292,387 was granted to Anthiel and "Hedy Kiesler Markey," which was Kiesler's married name at the time.

Most of you won't recognize the name Kiesler. And no one would remember the name Hedy Markey. But it's a fair bet than anyone reading this newsletter of a certain age will remember one of the great beauties of Hollywood's golden age - Hedy Lamarr. That's the name Louis B. Mayer gave to his prize actress. That's the name his movie company made famous.

Meanwhile, almost no one knows Hedwig Kiesler - aka Hedy Lamarr - was one of the great pioneers of wireless communications. Her technology was later developed by the U.S. Navy, which has used it ever since.

You're probably using Lamar's technology, too. Her patent sits at the foundation of "spread

spectrum technology," which you use every day when you log on to a wi-fi network or make calls with your Bluetooth-enabled phone. It lies at the heart of the massive investments being made right now in so-called fourth-generation "LTE" wireless technology. This next generation of cell phones and cell towers will provide tremendous increases to wireless network speed and quality, by spreading wireless signals across the entire available spectrum. This kind of encoding is only possible using the kind of frequency switching that Hedwig Kiesler invented.



http://en.wikipedia.org/wiki/Hedy_Lamarr

FCC PROPOSES NEW LF BAND

On Tuesday, November 20, the FCC released a Notice of Proposed Rulemaking (ET Docket No. 12-338) that proposes to amend Parts 1, 2, 74, 78, 87, 90 and 97 of the Commission's rules. Part 97 governs the Amateur Radio Service. These changes will implement allocation decisions from the 2007 World Radiocommunication Conference (WRC-07) that concern those portions of the radio frequency spectrum between 108 MHz and 20.2 GHz and make certain updates to the rules in this frequency range. Most of the NPRM does not concern the Amateur Radio Service, but the FCC is requesting comments on the three parts that do: changing the allocation to the amateur portion of the 160 meter band, allocating a new Amateur Service band at 135.7-137.8 kHz and cleaning up the rules for the 10.0-10.5 GHz band. Read more [here](#).

From *The ARRL Letter*, November 21, 2012

NOTES ON CALENDAR (see next page)

Large Call letters denote birthdays e.g. **N3RB** on December 1. All times are EST. Contests are listed in the December QST, p. 69

December 2 and every Sunday – **InfoAge Marconi Hotel** open from 1 to 5 pm on Marconi Road in Wall.

December 3 - **Monmouth County ARES Net** meets on 147.045 +600, PL=67.0 at 7:30 pm.

December 4 – **Middletown Pancake House Luncheon** at noon at left rear table. All are welcome.

December 4 – **Old Barney VE Session** at 6:30 pm in Manahawkin. Contact Urb Lejune, W2DEC at 609-296-5785 or urb@usats.com

December 4 – **Old Barney ARC Meeting** at 7:30 pm at Ocean Acres Community Center in Manahawkin, NJ. See <http://www.obarc.org>

December 4 and every following Tuesday – **QCWA News Net** on 147.045 PL=67 at 9:00 pm.

December 5 – **GSARA Meeting** at 7:30 at the Red Cross. Regular business meeting.

December 6 - **Holiday City ARC meeting** at 7 pm at Holiday City South Clubhouse in Toms River.

Dec. 7-9 – **ARRL 10 Meter Contest**, phone, CW from 7 pm Friday to 7 pm Sunday. See <http://www.arrl.org/contests>

December 7 - **WIAW Qualifying Run** at 10 pm (10-35 wpm). See www.arrl.org/qualifying-run-schedule

December 8 – **OMARC Meeting**, 9:00 am at the Diana Site on Marconi Road, Wall, NJ. Guests are welcome.

December 8 – **VE Test Session** at 11 am at Red Cross in Tinton Falls. Contact Kevin Wagner, W2FA at 732-279-0532 or e-mail at w2fakgw@gmail.com

December 10 - **Monmouth County RACES Net** meets on 147.045 +600, PL=67.0 at 7:30 pm.

December 11 – **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

December 12 – **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

December 13 – **JSARS meeting** in Riverwood Park Rec. Building, Rt. 527 and Riverwood Drive at 7:30 pm.

December 16 – **ARRL Rookie Roundup**, CW from 1 pm to 6:59 pm. See <http://www.arrl.org/contests>

December 17 - **Monmouth County ARES Net** meets on 147.045 +600, PL=67.0 at 7:30 pm.

December 18 – **WIAW Qualifying Run** at 9 am (10-35 wpm). See <http://www.arrl.org/qualifying-run-schedule>

December 19 – **GSARA Meeting** at 7:30 pm at the Red Cross in Tinton Falls. Recap of the year's activities.

December 20 – **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.

Dec. 20-22 – **End of World Special Event Station N0D** on the air. See p. 4.

December 22 – **Neptune Amateur Radio Club Meeting** at 9 am at Irv's Deli, Hwy 33 in Neptune.

Dec. 28-29 – **RAC Winter Contest**, Phone and CW from 7 pm Friday to 6:59 pm Sat. See <http://www.rac.ca/en/rac/programmes/contests>

Dec. 31-Jan. 1 – **Straight Key Night**, CW from 7 pm Monday to 7 pm Tuesday. See <http://www.arrl.org/straight0key-night>

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|--------------------------------------|----------------------------------|---|-------------------------------|-----------------------------------|---|--|
| | | | | | | 1 N3RB |
| 2 InfoAge | 3 ARES/RACES 7:30 | 4 Pancake House Old Barney ARC QCWA News 9 PM | 5 GSARA Mtg. | 6 Hol. City Mtg. | 7 10 Mtr. Cntst CW Qual. Run | 8 OMARC Mtg 10 Mtr. Cntst GSARA VE |
| 9 10 Mtr. Cntst InfoAge | 10 RACES Net 7:30 | 11 Croyden VE 7 PM QCWA News 9 PM | 12 Hol. City VE | 13 JSARS Mtg. | 14 | 15 |
| 16 Rookie Rndup InfoAge | 17 ARES/RACES 7:30 | 18 KC2YNL CW Qual. Run QCWA News 9 PM | 19 GSARA Mtg. | 20 N0D S.E. JSARS VE | 21 N0D S.E. | 22 Neptune Mtg N0D S.E. |
| 23 InfoAge | 24 | 25 Christmas | 26 | 27 | 28 RAC | 29 K2DST RAC |
| 30 InfoAge | 31 SKN | | | | | |



G.S.A.R.A.

8 DONNER STREET

HOLMDEL, NJ 07733

FIRST CLASS