



THE PROPAGATOR

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

MAY 2007

NEXT MEETING MAY 2

The next regular meeting of the GSARA will be held on **Wednesday, May 2 at 8:00 PM** at the MARS building in Fort Monmouth. Come early to enjoy the refreshments. We look forward to seeing YOU at the meeting!

FORT MONMOUTH PASSES

Please check the expiration date on your Fort Monmouth badges. Within two or three weeks before they expire, notify Larry, KB2RIS or Frank, W2XYZ. You then must check with visitor control on Oceanport Ave. to retire your old badges and get a new placard. Your old badges CANNOT be renewed.

OMARC TAILGATE HAMFEST

The Ocean Monmouth Amateur Radio Club held their tailgate Hamfest on Saturday, April 21 at the Diana Site on Marconi Road in Wall Township. Varied assortments of 40 different vendors were there as were a lot of buyers. 15 tests were administered at the VE session and 14 of them passed. The weather was nearly perfect and all who attended had a good time.

MIDDLETOWN CLUB MEETING TIME

The Middletown Amateur Radio Club has changed their meeting time and place to the second Saturday of each month at 10 AM at the Union Beach Police Department Annex (Municipal Building) on Poole Avenue. Many also meet for lunch at noon on Saturdays on Highway 35 at either Wendy's (just south of Sears) or Burger King (south of King's Highway) in Middletown. Check the Middletown repeater on Saturday morning to verify which location.

QCWA AWARDS BANQUET

The annual QCWA Marconi Chapter 138 held their annual awards banquet on Sunday, April 22 at the Spring Meadow Golf and Country Club in Wall. Marv Bernstein, W2PAT received an award for being licensed 75 years. Bill Wadsworth, W2ZKE received his 60th anniversary award. 55 year awards went to Harold Clanton, WB2CJE and Al Schnabolk, W2OIB. 50 year awards went to Joe Balis, K2AJG, Mike Reason, W2EXQ, John Kreig, K2ZGF, and John Wheeling, K2ZMZ. Diamond Jubilee Awards (50 years continuously licensed and at least 75 years old) went to John Kreig, K2ZGF and Bill Wadsworth, W2ZKE.

ONE-DAY AMATEUR RADIO CLASS

Free Technician Class

Saturday May 26, 2007 at 9 AM

*With testing afterward
(\$14.00 fee required for test)*

Sponsored by Middletown R.A.C.E.S

**CALL THE MIDDLETOWN
O.E.M TO REGISTER**

**Mon. to Fri. 9:30 AM to 1:30 PM
(732)-615-2129**

GSARA HOMEPAGE

http://home.comcast.net/~gsara_w2gsa

GSARA CALENDAR

http://home.comcast.net/~gsara_w2gsa/calendr.htm

HUDSON DIVISION HOME PAGE

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

GSARA OFFICERS

President	N2LXM	Jeff Harshman	922-0816
Vice Pres.	N2VFK	Tom Cosgrove	747-8896
Secretary	W2OD	Bob Buus	946-8615
Treasurer	W2XYZ	Frank Wroblewski	942-7705
Engineer	WN2DX	Marty Szumera	
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 Bruce McLeod, K2QXW and request *The Propagator* electronically. Bruce's e-mail address is <brucekleod@comcast.net>

BADGES AND PATCHES

All new GSARA members get a name badge. However, you may order additional ones by getting a Badge Order Form from our Secretary, **Bob Buus, W2OD**, filling it out and turning it in to Bob with your \$5.00 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://home.comcast.net/~gsara_w2gsa/prop.pdf

It is installed on the web about two weeks after the direct mailing to members.

EDITOR'S NOTES

This edition of *The Propagator* is a little later than usual because I have been kept rather busy with jury duty. The 45 mile commute to Trenton every day during morning rush hour is no picnic. Although we're usually dismissed before 3 PM, I still feel exhausted when I get home. My amount of free time is drastically reduced compared to being retired. At least the case is interesting (but quite complicated) and both sides rested their case last week so we begin deliberations on Monday, April 30. Hopefully, the end is in sight if all of the jurors are reasonable and we can reach a verdict. If we find the defendant guilty, then we have to meet again to dole out a sentence.

May marks the start of Public Service events in which we provide communications for various charitable causes. Two of them are during the Dayton weekend so help is really needed for the MS170 and the ARC walk. If you can help, please contact Tom, N2VFK and he can steer you to the proper person. If you've never done it before, there's no better time to start. The only requirement is having a 2-meter HT or mobile radio and, of course, a Technician license or higher. Not only is this an excellent opportunity to show the public what amateur radio can do, it is also an opportunity to sharpen our communications skills in case we are needed in an emergency.

I attended the OMARC tailgate Hamfest at the Diana site on April 21 and was pleasantly surprised to see the large turnout from both vendors and buyers. In fact, they almost ran out of parking places. I met several fellow hams I haven't seen for years and even managed to buy a few "bargains". All in all, it was a very successful event and I'm looking forward to attending the next one in the fall. Hats off to OMARC for all of their work in organizing and running this event.

Remember if you change your e-mail address; please be sure to inform Bruce McLeod, K2QXW.

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

73 de Bob, w2od@arrl.net

MINUTES OF APRIL 4 MEETING

By Tom Cosgrove, N2VFK, Vice President

The meeting was called to order at Fort Monmouth by Vice President Tom Cosgrove, N2VFK, at 8:05 PM. President Jeff, N2LXM and Secretary Bob, W2OD were absent. After the pledge to the flag, all members present introduced themselves. The 19 members present were N2VFK, W2XYZ, W2HTS, W2SHS, WA2DJN, N2HGI, WB2CJE, WA2DND, KC2NYQ, N2WLH, Peggy, KB2USF, N2MEL, KC2Q, W2KQ, N2GT, KA2ZSI, N2WAY, and K2EI.

Treasurer's Report

Treasurer Frank Wroblewski, W2XYZ made a report for March. We finished the month within \$1 of where we started. A motion was made by Joe, W2KQ and seconded by Nena, N2WAY to accept the report. The report was unanimously accepted.

Secretary's Report

A motion was made by Nena, N2WAY and seconded by Kevin, KC2NYQ to accept the minutes of the last meeting as published in the April Propagator. The motion was unanimously accepted.

Health and Welfare

Asked if everyone was well, Nena, N2WAY reported that Ray, W2NXG had had extensive oral surgery and was home recuperating.

Public Service

Tom, N2VFK announced that the MS Bike Tour to Cape May will be on May 19-20 and we still need vehicle operators for it.

The Sheehan run in the Red Bank area is scheduled for June 16 and Tom, N2VFK will be out of town, so Jeff, N2LXM will need some help.

Upgrades

Tom, N2VFK upgraded to General and missed going to Extra by two questions.

Kevin, KC2NYQ made his Extra.

Mike's Mel, N2MEL made her Extra (zero to extra in 6 months crowed Mike).

Field Day

As our program Jim, K2EI discussed last Field Day and the antenna, but as Jeff was out and we had

no hand outs, we skipped over some of the technical aspects to discuss strategy. Jim suggested that we have a band plan/operating schedule and stick to it. Unless you have a good run going, consider changing the mode or portion of the band every 10 minute or so. We should have a set patten, stick to it and keep calling or lose the frequency to someone more ambitious. We should spend about 1/3 of our time on each major band (20m, 40m, 75/80m). If your contact rate drops, change something.

Kevin, KC2NYQ suggested we run 2A, as he and Steve, N2WLH wish to work the whole event and we should therefore have enough operators to run two stations. Jim, K2EI agreed as long as we have enough operators, but last year we definitely did not have the operators to do so. Some discussion on antennas and desensing followed.

The perpetual argument about permanent antenna versus man made structure for support came up AGAIN. After the meeting, both Jim, K2EI and Frank, W2XYZ checked with the ARRL and found that hanging the antenna from the light poles is perfectly legal.

Closing

A drawing was held for the main door prize which was won by Bill, WA2DND.

There being no further business, the meeting was closed at 8:46 PM.

ROSTER CHANGE

Change the e-mail address for Lou Russo, W2HAM to russo62@verizon.net.

LETTER FROM EMORY WALL, K2YWI

04/05/07

I have been sort of letting things slide since Helen passed away one year from tomorrow.

At least I'm still paying my bills!

The weather here is gorgeous. I don't think I'm going to move back north. After 18 years in Florida, I probably couldn't stand the cold.

73

Emory, K2YWI

70 CM INTERFERENCE TO MILITARY

The ARRL has been working with the US Department of Defense to develop a plan to mitigate alleged interference from 70 cm ham radio repeaters to military radar systems on both coasts. Amateur Radio is secondary to government users from 420 to 450 MHz and must not interfere with primary users. Citing an increasing number of interference complaints, the US Air Force has asked the FCC to order dozens of repeater systems to either mitigate interference to the "PAVE PAWS" radars or shut down. The Commission has not yet responded. The situation affects 15 repeaters in the vicinity of Otis Air Force Base on Cape Cod, Massachusetts, and more than 100 repeaters within some 140 miles of Beale Air Force Base near Sacramento, California. ARRL Regulatory Information Specialist Dan Henderson, N1ND, stresses that the Defense Department acknowledges Amateur Radio's value in disasters and emergencies and is being extremely cooperative — and a wholesale shutdown of US 70 cm Amateur Radio activity is not in the offing.

"The ARRL Lab is working up calculations on each repeater system the Air Force has identified to determine where interference-mitigation techniques offer a reasonable chance of keeping the repeater on the air," Henderson says. "In order for the amateur community as a whole to succeed in this venture, it is going to require the cooperation of all affected repeater owners."

A US Air Force contractor identified the problematic repeater systems last summer, but the situation didn't become critical until the Air Force contacted the FCC a month ago. ARRL officials met with Defense Department representatives in late March to discuss alleged interference to the PAVE PAWS radar sites. This week Henderson contacted Amateur Radio frequency coordinating organizations in both affected areas — the Northern Amateur Relay Council of California (NARCC) and the New England Spectrum Management Council (NESMC).

PAVE PAWS is a missile and satellite detection and tracking system, and its name is a half-acronym. "PAVE" is simply an Air Force program name. "PAWS" stands for "Phased Array Warning System." Although PAVE PAWS has been in existence since the late 1970s, the Cape Cod and

Sacramento sites are the only remaining operational facilities in the US.

PAVE PAWS facilities occupy essentially the entire 70 cm band -- one factor that makes mitigation difficult. Feeding upward of 1800 active antenna elements, the broadband radar transmitters emit an average power output of more than 145 kW.

As a "first step" to mitigate the interference, the ARRL is recommending that all affected repeater owners reduce power -- possibly to as little as 5 W effective radiated power (ERP). "We understand the difficulty this may cause to owners and users," Henderson said, "but the alternative to operating with a smaller coverage area may be not operating at all." Amateur Radio stations already must abide by a maximum 50 W PEP power limitation in the areas around both Air Force facilities.

Henderson says the League is still seeking further information on the problem. "Until the Defense Department accepts a mitigation plan, repeater owners should exercise patience," he cautioned. "Once the ARRL Lab has completed its propagation calculations, we will be in a better position to provide advice for specific repeaters on a case-by-case basis."

Contact Dan Henderson, N1ND <n1nd@arrl.org> or 860-594-0236, with specific questions or issues associated with this situation.

From *The ARRL Letter*, No. 16, April 20, 2007

Ed O'Brien, W2EO - SK

Edmond F. O'Brien, W2EO formerly from Toms River died with ALS at the age of 88. Licensed in 1946 with the call W2SZY, Ed held an Extra Class license. In 1998 he changed his call to the vanity call W2EO (his initials). In 2005, he moved from Toms River to Paramus.

Ed was a long time ham who was among the first troops to be shipped to the Pacific Theater during WWII. Ed was in India in early 1942 as a radio operator with the Army Air Corps which was flying the "Hump" into China. Until his illness, Ed could be found on 75 meter phone most mornings. He was a long-time member of Marconi Chapter 138 of the QCWA. May he rest in peace.

BIG DROP IN VANITY FEES

The FCC has proposed reducing the regulatory fee to obtain or retain an Amateur Radio vanity call sign by more than 40 percent starting later this year. In a Notice of Proposed Rule Making (NPRM), "Assessment and Collection of Regulatory Fees for Fiscal Year 2007" in MD Docket 07-81 released April 18, the Commission is proposing to cut the fee from its current \$20.80 to \$11.70. If ultimately adopted, that would mark the lowest fee in the history of the current vanity call sign program. The FCC proposed to collect nearly \$290.3 million in FY 2007 regulatory fees.

"These fees are mandated by Congress and are collected to recover the regulatory costs associated with the Commission's enforcement, policy and rulemaking, user information, and international activities," the FCC said. "Consistent with our established practice, we intend to collect these regulatory fees in the August-September 2007 time frame in order to collect the required amount by the end of the fiscal year." Comments on MD Docket 07-81 are due May 3. Reply comments are due May 11.

The vanity call sign fee has fluctuated over the 11 years of the current vanity call sign program -- from a low of \$12 to a high of \$50. The FCC says it anticipates some 14,700 Amateur Radio vanity call sign "payment units" or applications during the next fiscal year.

The vanity call sign regulatory fee is payable not only when applying for a new vanity call sign but upon renewing a vanity call sign for a new term. The first vanity call sign licenses issued under the current Amateur Radio vanity call sign program that began in 1996 came up for renewal last year.

Those holding vanity call signs issued prior to 1996 are exempt from having to pay the vanity call sign regulatory fee at renewal, however. That's because Congress did not authorize the FCC to collect regulatory fees until 1993. Such "heritage" vanity call sign holders do not appear as vanity licensees in the FCC Amateur Radio database.

Amateur Radio licensees may file for renewal only within 90 days of their license expiration date. The ARRL VEC will process license renewals for vanity call sign holders for a modest fee. The service is available to ARRL members and nonmembers, although League members pay less.

Routine, non-vanity renewals continue to be free for ARRL members. Trustees of club stations with vanity call signs may renew either via the ULS or through a Club Station Call Sign Administrator, such as ARRL VEC.

League members should visit the "ARRL Member Instructions for License Renewals or Changes" page <<http://www.arrl.org/fcc/memberlicenseinstructions.html>>, while the "Instructions for License Renewals or Changes" page <<http://www.arrl.org/fcc/licenseinstructions.html>> covers general renewal procedures for nonmembers. There's additional information on the ARRL VEC's "FCC License Renewals and ARRL License Expiration Notices" page <<http://www.arrl.org/arrlvec/renewals.html>>.

License application and renewal information and links to the required forms are available on the ARRL Amateur Application Filing FAQ Web page <<http://www.arrl.org/FandES/field/regulations/application-filing-faq.html>>. The FCC's forms page <<http://www.fcc.gov/formpage.html>> also offers the required forms.

From *The ARRL Letter*, No. 16, April 20, 2007

JAMMING STATION ON 17 METERS

ARRL Monitoring System/Intruder Watch Liaison Chuck Skolaut, K0BOG, confirms reports that a clandestine broadcaster and a jamming station again are competing on 18.160 MHz. The 17-meter band is a worldwide exclusive Amateur Radio allocation. Following up on reports, Skolaut says he's able to hear the "Sound of Hope" broadcast station from Taiwan as well as the so-called "Fire Dragon" jammer, broadcasting music from Hainan, Peoples' Republic of China, at ARRL Headquarters station W1HQ. The Sound of Hope transmits news unfavorable to the PRC, while the Hainan music transmissions attempt to block the transmission, pausing for four minutes each hour, apparently to check the frequency. The result is a mess! Skolaut has received reports about the clandestine broadcaster and music jammer interference from all over the US as well as Europe, Africa and the UK. Wolf Hadel, DK2OM, in Germany has documented intruders on 18.160 MHz (and others) on his Web site <<http://www.iarums-r1.org/iarums/latest.pdf>>.

From *The ARRL Letter*, No. 17, April 27, 2007

MID-ATLANTIC QSO PARTY

The fourth annual Mid-Atlantic QSO Party (MAQP) runs from Saturday May 12, 2007 at 1600 UTC until Sunday May 13, 2007 at 0400 UTC.

The MAQP is a an old-fashioned QSO Party for Delaware, Maryland, New Jersey, New York, Pennsylvania, Virginia, West Virginia and Washington DC, but we encourage participants from around the world.

Activity will be on all non-WARC amateur HF bands from 160 to 10 meters, plus the 6, 2, 1.25, and .7 meters bands, all modes.

This year's event has been shortened to 12 hours, and we moved it away from Mother's Day.

All stations are welcome – single, multi, clubs, mobile, QRP – as long as your power is limited to 200 watts.

Visit our website at <http://maqп.info> for details on plaques, awards, rules, maps, submittal forms, etc.

And join our reflector at http://mailman.qth.net/mailman/listinfo/mid-atlantic_qso_party for news and updates.

If you or your group would like to sponsor a plaque, please contact us ASAP while there are still some opportunities!

73,

Walter O'Brien, W2WJO

For The Mid-Atlantic QSO Party Committee

PS: For all 6 Meter fans out there, this year's Spring VHF Sprints for 50 MHz will be run during the MAQP, so many ops will use that time as an "activity window" for more contacts.

For more information on the Spring Six Meter Sprint, contact their new organizers at <http://www.sysadnet.com/vhfsprinrules.htm>.

Foreign aid might be defined as a transfer of money from poor people in rich countries to rich people in poor countries.

...Douglas Casey, Classmate of Bill Clinton at Georgetown University

GENE PILOT, K2EDQ - SK

Eugene R. Pilot, 70, of Howell, died Wednesday, March 28, when his single-engine plane crashed into a wooded area in Howell near the "Purple Park." Born in Long Branch, he remained a lifelong resident of the Shore area. Mr. Pilot was the owner of Pilot Electric Company Inc. of Neptune, which was started by his father, Pierce James Pilot in 1946. In 1960, he took over the family business, which now has four generations of family members involved in the business. Mr. Pilot was also the former founder and owner of E & R Electronics, the Neptune Fishery, and Pilot Amateur Radio. He was also the former owner of Monmouth Armature located in West Long Branch.

Mr. Pilot was a licensed Ham Radio Operator since high school going by the call sign K2EDQ, he was also licensed to instruct students in the operation of the radios and administer the final examination. Flying for the past 30 years, Mr. Pilot nicknamed his plane "The Old Bird." At the time of the accident, he was flying over the park known as the "Purple Park," a name given to the park by his granddaughter, Amanda, where she spent many enjoyable hours with her grandfather talking over lunch. As his plane began to fail, he veered away from the park area toward an unpopulated area. Mr. Pilot was an avid John Wayne fan, who enjoyed watching western television shows and movies, he had also become quite proficient at hitting center target with his throwing knife and bow and arrows. Known for cracking the whip, he kept a Bull Whip prominently on display.

A person who loved life along with all the bumps that went along with it, he recently celebrated being a cancer survivor of five years. He enjoyed go kart racing, motorcycles, and fishing, and was well-liked by many people he came in contact with.

Donations in memory of Mr. Pilot may be made to The Cancer Institute of New Jersey, 195 Little Albany St., New Brunswick, NJ 08901.

At three minutes and four seconds after 2 AM on the 6th of May this year, the time and date will be 02:03:04 05/06/07. This will never happen again in your life time.

RED CROSS BACKGROUND CHECKS

Amateur Radio Emergency Service (ARES) members volunteering to support Red Cross disaster relief or recovery operations would not have to submit to a Red Cross background check unless their volunteer stints extended beyond seven days. That was the word from American Red Cross officials, who met recently with ARRL representatives. The ARRL has expressed concerns about the Red Cross's background check policy since first learning of it last year. The League posted its most recent position statement <<http://www.arrl.org/announce/ARRL-ARC-bg-check.html>> on the topic in March.

ARRL General Counsel Chris Imlay, W3KD, and Chief Technology Officer Paul Rinaldo, W4RI, met March 20 at American Red Cross offices in Washington, DC, with two attorneys from the Red Cross General Counsel's office and two management-level staff members from Red Cross Disaster Services. ARRL asked the Red Cross staff if ARRL ARES volunteers would be subject to the American Red Cross background check requirement if they provided communication for more than seven days. The position of the Red Cross is that ARES volunteers would not be permitted to provide communications at an American Red Cross disaster site for more than seven days without submitting to the Red Cross background check procedure.

Discussion then turned to the Red Cross's announcement that it would not conduct credit or mode-of-living checks. The League's stated concern has been that the ARC background investigation consent form states that a consumer report and/or an investigative consumer report -- which includes certain credit checks and mode of living checks -- will be obtained on the volunteer signing the form.

The ARRL team asked if the Red Cross would be willing to modify its consent form to limit the authority granted by the person signing the form to criminal background checks only. The Red Cross representatives did not appear willing to modify the current consent form, however.

The ARRL also suggested alternatives to the Red Cross investigation firm, MyBackgroundCheck.com (MBC).

The Red Cross also appears unwilling to accept background checks conducted by other entities, such as law enforcement organizations. The Red Cross based its reluctance on a requirement to compare the methodologies of MBC with those of alternative background-check providers.

Following the meeting, the ARRL reiterated its recommendation that members carefully review any consent document permitting a private organization to conduct a background investigation on that individual. The current Red Cross background check consent form continues to include permission, without further consent from the volunteer, to conduct a consumer report and/or an investigative consumer report.

The Federal Trade Commission and federal statutes define "investigative consumer reports" to include a mode-of-living check as well as certain credit checks.

While the Red Cross has said it won't routinely pull credit reports on background check applicants, ARRL President Joel Harrison, W5ZN, has said that just requiring volunteers to authorize procurement of a credit report "is inconsistent with this assurance."

In the course of the background check application process, prospective volunteers must agree to let MBC obtain a wide range of personal information bearing not just on criminal background and creditworthiness but, MBC says, "character, general reputation [and] personal characteristics." MBC advises, "The nature and scope of this disclosure and authorization is all-encompassing."

The ARRL says it won't suggest which organizations or agencies Amateur Radio volunteers should or should not support, but the League stresses that it does wish to facilitate the provision of volunteer services.

The ARC and the ARRL have a Statement of Understanding (SoU), which is up for review this year.

From *The ARRL Letter*, No. 16, April 20, 2007

A government big enough to give you everything you want, is strong enough to take everything you have. - Thomas Jefferson

SWAINS ISLAND N8S TOPS 100,000

The Swains Island N8S DXpedition team made 117,205 QSOs, The Daily DX reports. That's the fourth highest all-time DXpedition contact total. After shutting down April 15, the crew made it back to American Samoa late the following day. The N8S online logs are available <http://logsearch.de/index.php?option=com_wrapper&Itemid=73>, and the DXpedition is expected to upload its log data to Logbook of the World (LoTW). The first N8S QSL cards will be available in about a month. YT1AD will handle cards for N8S. -- The Daily DX

From *The ARRL Letter*, No. 16, April 20, 2007

CUBESATS LAUNCH SUCCESSFULLY

Four CubeSats containing payloads operating on Amateur Radio frequencies were among several spacecraft launched successfully April 17 at 0645 UTC from Baikonur Cosmodrome, Kazakhstan. A Dnepr rocket deployed seven CubeSats plus seven other satellites from Egypt, Saudi Arabia and Ukraine into Earth orbit, and signals from at least two of the four CubeSats have been copied on Earth. Among the spacecraft was Colombia's first satellite. The CubeSats are: CalPoly's PolySats CP3 and CP4, 436.845 MHz and 437.325 MHz respectively, 1200 bps FM AFSK, AX.25, 1 W, operating under an FCC Part-5 Experimental license; University of Louisiana CAPE-1 435.245 MHz, 9600 bps FM FSK AX.25 and CW telemetry during opposing 30-second intervals, 1 W, call sign K5USL (e-mail telemetry reports <jd.harrist@gmail.com>); Universidad Sergio Arboleda, Colombia, Libertad-1, 437.405 MHz, 1200 bps FM AFSK AX.25, 400 mW, call sign 5K3L. CP4 will transmit a "sensor snapshot" every 2 minutes on 437.325 MHz at 1200bps FSK, AX.25. FSK will require using SSB mode for reception. A 6-second CW preamble precedes this transmission. Keplerian elements for the new ham radio birds and additional information will be posted on Cal Poly's CubeSat Web page <<http://www.cubesat.org/>>. CalPoly offers a CubeSat "Satellite Contact Form" to report telemetry data received from any satellite <<http://cubesat.atl.calpoly.edu/pages/missions/dnepr-launch-2/data-packet-form.php>>. -- AMSAT

From *The ARRL Letter*, No. 16, April 20, 2007

DAILY DX DEBUTS SEARCH ENGINE

The Daily DX editor Bernie McClenny, W3UR, says his paid subscription DX newsletter's Web site now offers a Google-powered search engine. Open to all, the search engine scours back issues of The Daily DX <<http://www.dailydx.com>>. McClenny says when he's done uploading, the search engine will make available up to the last six or eight weeks of back issues. Issues of The Weekly DX are not included. The "Google Custom Search" box is in the middle of The Daily DX home page. McClenny advises users to include as many key words as they can when initiating a search.

From *The ARRL Letter*, No. 14, April 6, 2007

AREA AMATEUR EXAM SESSIONS

Amateur radio exam sessions that are given in the central New Jersey area are as follows but please contact the responsible person to be sure that the time and date are accurate.

Wall Township, Camp Evans Area on Marconi Road: Exams are held on the first Saturday of the even numbered months (June 2, 2007) at 10 AM. The contact person is Larry Wilkins, KB2RIS at 732-922-6720 or e-mail to kb2ris@verizon.net.

Middletown, Croyden Hall on Leonardo Road: Exams are on the second Tuesday of every month at 7 PM. The contact person is Mario Sellitti, N2PVP 732-787-7184 or e-mail to n2pvp@n2pvp.com.

Toms River, Riverview Park Recreation Building: Exams are held on the third Thursday of every month at 7:30 PM. The contact person is Ed Genoio, WA2NDA at 609-971-2792 or e-mail to wa2nda@aol.com.

Toms River, Holiday City South Clubhouse, Meeting Room #1, Mule Road at the corner of Santiago Drive on the second Saturday of the odd numbered months (May 12, 2007) at 10:00 AM. Pre-registration is required (no walk ins). The contact person is Bill Haldane, AC2F, 732-240-7064 or ac2f@earthlink.net.

In all cases, the fee is \$14 and you should bring the original and a copy of any amateur license presently held and original and one copy of any credit (CSCE) forms you have. Also bring 2 forms of ID with one being a picture ID.

NOTES ON CALENDAR (see reverse side)

Large call letters denote birthdays e.g., **KB2QEP** May 13. All times in EDT.

May 1 – **Middletown Pancake House Luncheon** at noon in back room to left. All are invited.

May 1 – **Old Barney ARC Meeting**, 7:30 PM at Ocean Acres Community Center in Manahawkin, NJ. See <http://www.obarc.org>

May 1 and every following Tuesday – **QCWA News Net** on 147.045 PL=67 at 9:00 PM.

May 2 – **GSARA Monthly Meeting** at the MARS Building at Fort Monmouth at 8:00 PM.

May 3 – **Holiday City ARC meeting** at 7 PM at Holiday City South Clubhouse in Toms River.

May 4 and every Friday – **Lunch at Blue Swan Diner**, Rt. 35 South, Ocean Township at noon.

May 4-6 – **10-10 CW/Digital Contest** from 8:01 PM Friday to 7:59 PM Sunday. See Feb. QST, p. 100 or www.ten-ten.org

May 5-6 – **Radio Club of American Phone QSO Party** from 1 PM Saturday to 1 AM Sunday. See May QST, p. 96 or www.radioclubofamerica.org

May 6 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.

May 7 – **Monmouth County ARES Net** meets on 147.045 +600 at 7:30 PM.

May 7 – **W1AW Qualifying Run** at 7 PM (10-40 WPM). See May QST, pp. 91 and 96.

May 8 – **Amateur Radio Luncheon** at Perkins in Colts Neck Inn at noon. All amateurs invited.

May 8 – **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

May 10 – **Jersey Shore Amateur Radio Society (JSARS)** meeting in Riverview Park Recreation Building, Rt. 527 and Riverwood Drive in Toms River at 7:30 PM.

May 12 – **OMARC Meeting**, 9:00 AM at the Diana Site on Marconi Road, Wall, NJ.

May 12 – **Middletown Amateur Radio Club meeting** at 10 AM in Union Beach Police Annex (Municipal Building) on Poole Avenue.

May 12 – **Holiday City VE Test Session** at 10 AM in Toms River. Pre-register with Bill Haldane, AC2F at 732-240-7064 or ac2f@earthlink.net. No walk-ins.

May 12 – **Mid-Atlantic QSO Party**, all modes from noon to midnight. See May QST, p. 96 or www.maqp.info

May 12 – **50 MHz Spring Sprint** from 7 PM to 11 PM. See May QST, p. 97 or www.sysadnet.com/vhfsprinrules.htm

May 14 – **Monmouth County RACES** on 147.045 +600 at 7:30 PM. RACES members only.

May 17 – **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.

May 18-20 – **Dayton Hamvention** in Dayton, Ohio. See May QST, p. 94 or www.hamvention.org

May 19 – **ARC of Monmouth Walk** at Liberty Park II (West Park Ave. and Wayside) in Tinton Falls. Contact Bob, W2OD at w2od@arrl.net or 732-946-8615 if you can help.

May 19-20 – **MS-170 Bike-a-thon** to Cape May. Help needed in North Jersey on Saturday and South Jersey on Sunday. Contact Stan Olochwoszcz, N2AYJ at n2ayj@optonline.net if you can help.

May 21-**Monmouth County ARES Net** meets on 147.045 +600 at 7:30 PM.

May 25 – **W1AW Qualifying Run** at 9 AM (10-35 WPM). See May QST, pp. 91 and 96.

May 25-27 – **CQ WW WPX Contest**, CW from 8 PM Friday to 8 PM Sunday. See March QST, p. 90 or www.cqwp.com

May 26 – **Westwood Regional High School Hamfest** (Washington Township.) from 8 AM to 2 PM. See May QST, p. 94 or www.bara.org

May 26 – **Neptune Amateur Radio Club Meeting** at 9 AM at the Bedrock Café, Avon.

May 28 – **Monmouth County RACES** on 147.045 +600 at 7:30 PM. RACES members only.

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1 Pancake House Old Barney ARC QCWA News 9 PM	2 GSARA Mtg	3 Hol. City Mtg.	4 Blue Swan 10-10 CW	5 10-10 CW RCA Phone
6 10-10 CW RCA Phone InfoAge	7 CW Qual. Run ARES/RACES 7:30	8 Perkins Lunch Croyden VE 7 PM QCWA News 9 PM	9 .	10 JSARS Mtg.	11 Blue Swan	12 OMARC Mtg. Hol. City VE MARC Mtg Mid-Atl QSO 50 MHz Sprint
13 KB2QEP InfoAge	14 RACES Net 7:30	15 QCWA News 9 PM	16	17 JSARS VE	18 Blue Swan DAYTON	19 MS-170 ARC Walk DAYTON
20 MS-170 DAYTON InfoAge	21 ARES/RACES 7:30	22 QCWA News 9 PM	23	24	25 CW Qual. Run Blue Swan CQ WW WPX	26 Neptune Mtg BARA Hmfst CQ WW WPX
27 CQ WW WPX InfoAge	28 RACES Net 7:30	29	30	31		



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FIRST CLASS