



# THE PROPAGATOR

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

**MAY 2009**

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## UPCOMING GSARA MEETINGS

The next regular meeting of the GSARA will be held on **Wednesday, May 6 at 7:30 PM** at the Fort Monmouth MARS building. The second meeting in May will be on **Wednesday, May 20 at 7:30 PM** at the **American Red Cross** - Regional Office, 1540 West Park Avenue, Tinton Falls, New Jersey. Our guest speaker will be Rich Krohn, N2SMV who is ARRL Section Manager for NNJ. Don't miss it! Guests are always welcome.

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## CHANGE FOR FT. MONMOUTH PASSES

**By Donna Wilkins, KC2GKQ**

Due to my upcoming retirement in June, the procedures for requesting passes and special event access will be changing. Effective immediately, any request for supplementary ID passes/vehicle passes and special event lists will go directly thru Mr. John Occhipinti at the IOC at Garrison Headquarters. Phone: 732-532-6193 and his email is: [John.E.Occhipinti@us.army.mil](mailto:John.E.Occhipinti@us.army.mil)

Please touch base with John before you send him something, so he is expecting it. He doesn't spend too much time in his office, so it is hard to catch him. John has requested that you keep the requests for passes to a bare minimum for only people that really need the access.

Since I am the last working civilian we had at the station and the MARS station comes under Garrison, the responsibility goes back to them for access. Also, don't forget, that the PMO needs at least 14 days lead time for any lists you send them for special events. That said, give John O. at least a week lead time on top of that to get it to the PMO.

If you need help with anything in the meantime, i.e. field day, let me know and I will help you if I can. My office is moving to Fort Dix within the next 30 days and I will be in and out of the net from now on.

## WINLINK CLASS IN MAY

We will have another Winlink class, this time at the EOC in Freehold, NJ on Thursday, either May 21st or May 28<sup>th</sup> 2009 at 7 pm. Please check for the latest information at Monmouth County OEM <http://group.google.com/group/Monmouth-ares-races/topics>

We will cover:

Equipment and Programs

Using your sound card w/interface and AGW instead of a TNC

Airmail and Packlink MP

Hyperterminal or other dumb terminal and a TNC to connect to Winlink.

Please RSVP [n2smv@arrl.net](mailto:n2smv@arrl.net) if you're coming to be sure we will have room.

73 de N2SMV

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## FREE TRIP TO DAYTON 2009

A **\$10 donation** to the North America DX Association, Inc. (NADXA, Inc.) will allow each donating person an opportunity to earn an **all expense paid trip** to the **2010 Annual Bus Trip** to the **Dayton Hamvention** in **Dayton, OH** in May 2010. Send your donation to **NADXA, Inc., PO Box 357, Bradley Beach, NJ 07720** or via **Pay-Pal**.

The odds of being selected will be restricted to one in 75 and the numbers will be drawn on March 29, 2010. For further information contact: [nadxa@juno.com](mailto:nadxa@juno.com). Thank you.

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## MIDDLETOWN ONE-DAY TECH CLASS

Middletown RACES is planning another one day amateur radio class on May 30, 2009. To register please call Theresa at the OEM office (732) 615-2129 Mon. to Fri. 9 Am to 2 PM.

## 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@gardenatateara.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://gardenstateara.files.wordpress.com/2008/11/p\\_ropfeb9.pdf](http://gardenstateara.files.wordpress.com/2008/11/p_ropfeb9.pdf)

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

## EDITOR'S NOTES

This new sunspot cycles is certainly starting very slowly to me. I was on for International Marconi Day on April 25 and worked a few Europeans but they weren't booming in like some years. Certainly next year should see better conditions. At least I hope so.

The April Hamfest season started out with a bang. Both the JSARS and OMARC hamfests were well attended and had lots of goodies for sale at bargain prices. It was good to see so much activity.

With Donna, KC2GKQ being transferred, our procedure for obtaining a Ft. Monmouth pass is changed slightly (see story on page 1). Hopefully, we won't be too inconvenienced by this. I think most of us are good until the fall but we do have Field Day coming up which will be a good test of the procedure.

There are still lots of goodies available at the MARS building free to members. When you are at the May 6 meeting, look things over and take what looks interesting to you.

If you are interested in obtaining a [gardenstateara.org](http://gardenstateara.org) email address which will give you webmail and POP3/SMTP access, please send an email to Josh at [kc2tkk@gardenstateara.org](mailto:kc2tkk@gardenstateara.org) with your First Name, Last Name, and Call Sign. Your email address [call\\_sign@gardenstateara.org](mailto: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 June issue is May 15.

73 de Bob, w2od@arrl.net

## GSARA HOMEPAGE

<http://www.monmouth.com/~gsara>

## GSARA CALENDAR

<http://www.monmouth.com/~gsara/calendr.htm>

## HUDSON DIVISION HOME PAGE

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

## MINUTES OF APRIL 1 MEETING

By Joe Dreifuss, W2KQ

The meeting at Fort Monmouth was called to order at 7:45 pm with 16 members in attendance.

Our President Frank, W2XYZ asked for the reading of our last meeting.

### Secretary's Report:

A motion was made by Laura, N2HGI requesting that the minutes of the last meeting be accepted as published in *The Propagator*. Rich, KB2USF and his XYL, Peggy both seconded the motion. A vote was called for and it passed unanimously.

### Treasurer's Report:

W2XYZ then called for the treasurer's report for April 2009 which was presented by Treasurer Joe, W2KQ. A motion by Mike, KC2Q called for the Treasurer's report be accepted as read and it was seconded by Bernie, W2QFQ. The motion was passed unanimously.

### Old business:

The Red Cross class scheduled for April 4<sup>th</sup> has been cancelled due to lack of funds.

Update on the closing of the Mars Building. W2XYZ has been appointed as the new hand receipt holder for the MARS station. He further explained that the Station is still scheduled to be closed in 2011 however it appears that BRAC would like to close the building sooner.

During the month most of the equipment belonging to GSARA was removed and transferred to the Red Cross Building.

BRAC further instructed that all of the items were to be disposed of with the exception of the MARS equipment.

### New Business:

Our President invited all GSARA members present to look around the station and take any items not belonging to the US ARMY such as cables, resistors, capacitors, etc. that they would have a need for.

W2XYZ stated that he had been experimenting with 2 sites, W7DXX and W4MQ, that have stations on the air and that could be used by any licensed amateur. This would provide a means for

any General Class Licensee to get on the air just by utilizing his or her computer.

Howard Suffill, W2HTS stated that a class on WINLINK would be held at the Red Cross on April 9, 2009 at 6:30 pm. Register with Rich, n2smv@arrl.net.

W2XYZ stated that GSARA would have 2 tables at the OMARC Ham Fest on April 18, 2009 (See Propagator). This would enable the club to dispose of items in excess to our requirements. Members are also invited to place items for sale on these tables.

The meeting was closed at 9:15 pm.

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## MINUTES OF APRIL 15 MEETING

By Bob Buus, W2OD

President Frank Wroblewski, W2XYZ, called the meeting to order at Red Cross Headquarters at 7:42 PM. There were 15 members present.

### Correspondence

The secretary, W2OD reported that we received an offer from ARRL that they would send GSARA a 2009 Handbook if we recruited 5 new or renewing ARRL members by May 31, 2009. To that end, Bob had available the appropriate application form for those interested in applying or renewing. Three (2 new and 1 renewal) properly completed forms were received at the meeting so only two more are needed to get the free Handbook. Forms will be available at the May meetings.

### Announcements

The Red Cross amateur license class scheduled for April 4<sup>th</sup> has been postponed until July due to lack of Red Cross funds at this time.

Most of the radio gear at the Red Cross has been moved to the new radio room. Also the antennas on the roof have been moved to be accessible from the new radio room. Nearly all of the GSARA radios at the MARS station have been moved to the Red Cross

Mike, KC2Q still has seats available on the bus for the Dayton Hamvention. See him if you are interested in going.

The OMARC station, N2MO will be active on International Marconi Day, Saturday, April 25.

### Field Day

Jeff, N2LXM asked if GSARA should order Field Day T-shirts as we did last year. There seemed to be limited interest. Mike, KC2Q suggested looking into getting custom GSARA T-shirts made up for sale to members or to be given to those who participate in Field Day. Jeff, N2LXM offered to look into the cost of custom shirts. Jeff also asked that if we don't get Field Day shirts, should we order Field Day pins? It was agreed to bring the subject up again at the next meeting.

### New Business

In the interest of recruiting new members, it was suggested that we compile a list of former members of GSARA and send them a letter inviting them back. Bob, W2OD agreed to compile such a list and present it at the next meeting. It was suggested that Bill, NJ2H be asked to write a covering letter inviting past members to join again.

### The Program

Frank Wroblewski W2XYZ gave an interesting slide show regarding the DX-pedition to Barbados taken by Mike, KC2Q; Joe, W2KQ and himself. The pictures showed the spectacular location and it was obvious that the participants had a lot of fun.

### Closing

The door prize was won by Peggy Struening. A motion was made by Mike, KC2Q and seconded by Jeff, N2LXM to adjourn the meeting. With a unanimous vote, the meeting was ended at 8:57 pm.

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## FORUM SCHEDULE AT DAYTON

One of the many highlights at Dayton Hamvention is the myriad of educational and fun forums that take place the entire weekend at Hara Arena. The Dayton Amateur Radio Association has coordinated 45 unique programs that encompass nearly 80 hours of programs and activities for the thousands of people expected to attend these programs. Hamvention, the largest event of its kind, will be May 15-17 at Hara Arena in Dayton, Ohio. Please keep in mind that the schedule may change before Hamvention.

### **Friday, May 15**

9:15-11:15 -- TAPR Digital Forum (Room 1)  
9:15-10:15 -- Engineering Manuals (Room 2)  
9:15-10:15 -- Kit Building (Room 3)

9:15-10:15 -- QRP (Room 5)  
10:30-12 -- Drake Forum (Room 2)  
10:30-12 - Teachers Workshop (Room 3)  
10:30-11:30 -- ARRL Field Day (Room 5)  
11:30-12:30 -- APRS Forum (Room 1)  
11:45-12:45 -- QSL Cards (Room 5)  
12:15-1:15 -- ARRL, The Doctor Is IN (Room 2)  
12:15-2 -- Ham Radio and the Law (Room 3)  
12:45-2:15 -- D-STAR Forum (Room 1)  
1-2:15 -- Alternative Energy Forum (Room 5)  
1:30-2:30 -- ARRL, Public Relations (Room 2)  
2:15-3:30 -- Gordon West (Room 3)  
2:30-5 -- Antenna Forum (Room 1)  
2:30-5 -- Software defined Radio (Room 5)  
2:45-3:45 -- Foxhunting Forum (Room 2)  
3:45-5 - Techniques of the Best Operators (Room 3)  
4-5 -- County Hunting Forum (Room 2)

### **Saturday, May 16**

9:15-11:15 -- Contesting Forum (Room 1)  
9:15-10:15 -- SATERN Forum (Room 2)  
9:15-10:15 - Lightning Grounding Forum (Room 3)  
9:15-11:00 - VHF/UHF/Microwave Forum (Room 5)  
10:30-11:30 -- ARRL Members Forum (Room 2)  
10:30-11:45 -- Heil Sound (Room 3)  
11:15-1:30 -- AMSAT Forum (Room 5)  
11:30-1:15 -- Youth Forum (Room 1)  
11:45-2 -- Newsline Town Meeting (Room 2)  
12-1 -- RTTY Forum (Room 3)  
1:15-2:15 -- ARRL, Digital Contesting (Room 3)  
1:30-2:30 - ARRL Presents Richard Garriott, W5KWQ (Room 1)  
1:45-3 -- SSTV Forum (Room 5)  
2:15-3:15 -- FCC Forum (Room 2)  
2:30-3:30 -- ARES Forum (Room 3)  
2:45-5 -- DX Forum (Room 1)  
3:15-5 -- MARS Forum (Room 5)  
3:30-5 -- ATV Forum (Room 2)  
3:45-5 -- Collins Forum (Room 3)

### **Sunday, May 17**

9:15-10:15 -- Red Cross Forum (Room 1)  
9:15-11 -- QCWA Forum (Room 2)  
9:15-10:15 -- Volunteers and EmComm Forum (Room 3)  
9:30-11:15 - Bicycle Mobile Forum (Room 5)  
10:30-11:30 - When All Else Fails, South Carolina Is Ready (Room 1)

For more information visit the Web site <http://hamvention.org/forums.php>.

From *The ARRL Letter*, No. 15, April 24, 2009

## **BRAZILIANS HACK INTO NAVY SATS.**

CAMPINAS, Brazil — On the night of March 8, cruising 22,000 miles above the Earth, U.S. Navy communications satellite FLTSAT-8 suddenly erupted with illicit activity. Jubilant voices and anthems crowded the channel on a junkyard's worth of homemade gear from across vast and silent stretches of the Amazon: Ronaldo, a Brazilian soccer idol, had just scored his first goal with the Corinthians.

It was a party that won't soon be forgotten. Ten days later, Brazilian Federal Police swooped in on 39 suspects in six states in the largest crackdown to date on a growing problem here: illegal hijacking of U.S. military satellite transponders.

"This had been happening for more than five years," says Celso Campos, of the Brazilian Federal Police. "Since the communication channel was open, not encrypted, lots of people used it to talk to each other."

The practice is so entrenched, and the knowledge and tools so widely available, few believe the campaign to stamp it out will be quick or easy.

Much of this country's geography is remote, and beyond the reach of cellphone coverage, making American satellites an ideal, if illegal, communications option. The problem goes back more than a decade, to the mid-1990s, when Brazilian radio technicians discovered they could jump on the UHF frequencies dedicated to satellites in the Navy's Fleet Satellite Communication system, or FLTSATCOM. They've been at it ever since.

Truck drivers love the birds because they provide better range and sound than ham radios. Rogue loggers in the Amazon use the satellites to transmit coded warnings when authorities threaten to close in. Drug dealers and organized criminal factions use them to coordinate operations.

Today, the satellites, which pirates called "Bolinha" or "little ball," are a national phenomenon.

"It's impossible not to find equipment like this when we catch an organized crime gang," says a police officer involved in last month's action.

The crackdown, called "Operation Satellite," was Brazil's first large-scale enforcement against

the problem. Police followed coordinates provided by the U.S. Department of Defense and confirmed by Anatel, Brazil's FCC. Among those charged were university professors, electricians, truckers and farmers, the police say. The suspects face up to four years and jail, but are more likely to be fined if convicted.

First lofted into orbit in the 1970s, the FLTSATCOM bird was at the time a major advance in military communications. Their 23 channels were used by every branch of the U.S. armed forces and the White House for encrypted data and voice, typically from portable ground units that could be quickly unpacked and put to use on the battlefield.

As the original FLTSAT constellation of four satellites fell out of service, the Navy launched a more advanced UFO satellite (for Ultra High Frequency Follow-On) to replace them. Today, there are two FLTSAT and eight UFO birds in geosynchronous orbit. Navy contractors are working on a next-generation system called Mobile User Objective System beginning in September 2009.

Until then, the military is still using aging FLTSAT and UFO satellites — and so are a lot of Brazilians. While the technology on the transponders still dates from the 1970s, radio sets back on Earth have only improved and plummeted in cost — opening a cheap, efficient and illegal backdoor.

To use the satellite, pirates typically take an ordinary ham radio transmitter, which operates in the 144- to 148-MHZ range, and add a frequency doubler cobbled from coils and a varactor diode. That lets the radio stretch into the lower end of FLTSATCOM's 292- to 317-MHz uplink range. All the gear can be bought near any truck stop for less than \$500. Ads on specialized websites offer to perform the conversion for less than \$100. Taught the ropes, even rough electricians can make Bolinha-ware.

"I saw it more than once in truck repair shops," says amateur radio operator Adinei Brochi (PY2ADN) "Nearly illiterate men rigged a radio in less than one minute, rolling wire on a coil."

Brochi, who assembled his first radio set from spare parts at 12, has been [tracking the Brazilian satellite hacking problem](#) (.pdf) for years.



Brochi says the Pentagon's concerns are obvious. "If a soldier is shot in an ambush, the first thing he will think of doing will be to send a help request over the radio," observes Brochi. "What if he's trying to call for help and two truckers are discussing soccer? In an emergency, that soldier won't be able to remember quickly how to change the radio programming to look for a frequency that's not saturated."

When real criminals use these frequencies, it's easy to tell they're hiding something, but it's nearly impossible to know what it is. In one [intercepted conversation](#) posted to YouTube, a man alerts a friend that he should watch out, because things are getting "crispy" and "strong winds" are on their way. Sometimes loggers refer to the approach of authorities by saying, "Santa Claus is coming," says Brochi.

When the user's location is stable, the signal can be triangulated. That's how the Defense Department got the coordinates to feed Brazilian authorities in March's raids.

While Brazil may be the world capital of FLTSATCOM hijacking, there have been cases in other countries — even in the United States. In February of last year, FCC investigators used a mobile direction-finding vehicle to trace rogue transmissions to a Brazilian immigrant in New Jersey. When the investigators inspected his radio gear, they found a transceiver programmed to a FLTSAT frequency, connected to an antenna in the back of his house. Joaquim Barbosa was hit with a \$20,000 fine.

A technician with Anatel, speaking on condition of anonymity, says the chief problem with ending the satellite abuse in this country is that U.S. and Brazilian authorities simply waited too long to start. Thousands of users are believed to have the know-how to use the system. After a bust, the airwaves always go quiet for a while, but the hijackers always return.

One week after the "Operation Satellite," Brochi met with Wired.com at a gathering of amateur radio enthusiasts in a bucolic square in Campinas, about 60 miles north of Sao Paulo. Brochi switches on his UHF receiver and scans through the satellite frequencies.

It's relatively quiet now on the satellite underground, except for the static-like sound of

encrypted military traffic. But eventually, a lone creaky voice cuts through. It's a man in Porto Velho, the capital of Rondônia, a day's drive north into the upper Amazon basin. He's making small talk with a friend in Portuguese. The satellite pirates are creeping back on the air.

Thanks to Andy Bodnar, KA2VXA

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## FOR SALE FROM W2GUM ESTATE

MFJ-9020 20 meter QRP cw rig \*  
Ten-Tec Argo Mdl 556 \* 5 W., w/ mobile mount; no NB, no mike.  
TenTec Delta 580 \* Transceiver, with power supply.  
Ten-Tec Argosy II 525P \* 10 - 80 +30mtrs 100 W.  
Ten-Tec Power Supply 225\*  
TenTec 1208 6 Meter Transverter  
ICOM IC-28A \* 2 meters, 25 W.  
YAESU FT-290RII # 2 mtr, FM/SSB/CW 2.5 W.  
YAESU FT-726R # 50/144/430 USB/LSB/CW/FM 10W.  
MFJ-945D Mobile Tuner (# E manual dwnld)  
MFJ-900 Econo Tuner \*  
MFJ-204C Antenna Bridge \*  
Heath Transceiver SS-9000 \*  
Heath PS-9000 Power Supply  
Heath HL-2200 Linear Amplifier, 2 kW, pair of 3-500C tubes.  
Heath SB-301 Receiver \*  
Heath Utility Power Supply HP20 \* (+300, +600, -130, fils V.)  
Heath IG-42 Laboratory Signal Generator  
Heath HD8999 Ultra Pro CW Keyboard \*  
Heath HN-31 Cantenna Dummy Load \*  
National HRO-50-T-1 ??? with plug-in coils.  
National HRO- ????? with (some?) plug-in coils.  
Homebrew balanced tuner (unfinished)  
Logikey (Idiom Press) K-3 Keyer  
Oak Hills Research SCAF filter SCF-1A \*  
Simpson 260 VOM \*  
Boonton 160A Q-meter.  
HP-200C Audio Oscillator.

\* = manuals included.

# = manuals available on-line.

If interested in any item, make offer to Bob Buus, W2OD, 732-946-8615, w2od@arrl.net

## VERTICAL ANTENNAS FOR SALE

**Cushcraft AV-5 Vertical** Antenna for sale. 80, 40, 20, 15, and 10 meters. Ground or roof mounted. Requires radials. Good condition, with manual. Asking \$35.

**Cushcraft R7 Vertical** Antenna for sale. 40, 30, 20, 17, 15, 12, and 10 meters. Very good condition, with manual. Asking \$60.

For more information see:

Bob Buus, W2OD  
Holmdel, NJ  
732-946-8615  
w2od@arrl.net

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## NEW VIDEOS FROM ARRL

Two new video Public Service Announcements (PSAs) -- one promoting ARRL Field Day and another showing the technical side of Amateur Radio -- are now available from the ARRL Web site. "These videos are great for PIOs <<http://www.arrl.org/pio>>, clubs and hams in general to use in promoting the fun side of Amateur Radio," said ARRL Media and Public Relations Manager Allen Pitts, W1AGP.

"The Field Day PSA is meant to be posted on Web sites, added to e-mails and shared via the Internet," Pitts explained. "While not broadcast quality resolution, it was intentionally made small enough to go through almost all e-mail systems and able to be seen on almost every computer. The PSA spotlighting Amateur Radio technology is meant for broadcast and cable TV; it is more general than the Field Day video and media outlets can use it all year long. This video complements the WeDoThat-Radio campaign <<http://www.wedothat-radio.org/>> and the Technology Pillar, one of the ARRL's five pillars."

Pitts said that the Field Day video is the League's first experiment in "viral" video. "We've seen how a good video can spread quickly via the Web and reach people. So we created a special Field Day Internet video for this year. Let's see what happens." Amateurs can download the video from the Field Day Web page <<http://www.arrl.org/fieldday>> and then send it to friends, e-mail lists, Web sites -- just about anywhere!

"Please do not modify it or change the ending!" Pitts requests. "Since the files can go all over the country -- and world -- the ending needs to be able to direct anyone, anywhere to the closest Field Day site near them. Just be sure your local group is listed on the ARRL Field Day Locator <<http://www.arrl.org/contests/announcements/fd/locator.php>> and they will find you." Since the technology PSA is targeted for commercial TV uses, it is a high resolution, 43 meg, MOV type file; it can be downloaded from the ARRL Web site <<http://www.arrl.org/pio/videos/ARRL30secPSA2009.mov>>. Because this version is meant for professional use, it has a formal 60 second lead-in followed by the 30 second PSA. A very low resolution preview version (not meant for distribution) is also available <<http://www.arrl.org/pio/videos/LowRes2009.wmv>>.

To get a copy of the technology video on a disc, please send Pitts an e-mail <<mailto:apitts@arrl.org>>, letting him know which TV stations or cable systems will be showing the video, and which format is needed.

Special thanks go to the volunteers of the national ARRL PR Committee who took the concept and helped bring it to reality. For the Field Day video, Kevin Pauley, KB9WVI, did the excellent video editing (right down to synchronizing shots with the music); Don Carlson, KQ6FM, did the voiceover work. Staff creativity came from Pitts -- who produced and created the video -- and ARRL Contest Branch Manager Sean Kutzko, KX9X, who did the music. The Delta DX Association in Louisiana, W5RU, with Bob McBride, AE5RN, and Albert DuPont, W5AFD, were a major help, providing action video clips and permissions from their last Field Day. The technology video was also designed by Pitts with extensive volunteer help. Special thanks go to Matt Aaron, KG4WXX, who guided the extensive video editing and to Don Carlson, KQ6FM, who did the audio work.

From *The ARRL Letter*, No. 13, April 3, 2009

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## NEW GSARA HOMEPAGE

<http://www.gardenstateara.org>

This is our new homepage under construction.

## NEW REPEATER DIRECTORY

With more than 20,000 listings for VHF/UHF repeaters across the US and Canada, "The ARRL Repeater Directory 2009-2010" is a must have. Once again, the ARRL is offering two sizes of the "Repeater Directory" --pocket size <<http://www.arrl.org/catalog/?item=1288>> and desktop <<http://www.arrl.org/catalog/?item=1318>>.

The pocket-sized Repeater Directory boasts a larger font size, making for easier reading. Both editions feature handy indexing tabs on the cover, easier to read listings and a "Key to Repeater Notes" located right up front in the Directory. Along with these new features, both editions have the features you know and enjoy from prior years: Repeater operating practices, repeater lingo and hints for newly licensed hams; Frequency Coordinator contact information; listings for D-STAR and APCO 25 repeaters; a guide to using CTCSS tones and Digital Coded Squelch (DCS); VHF/UHF band plans and a 2 meter channel-spacing map; IRLP (Internet linked) nodes; tips for handling interference; listings for IRLP, WIRES-II and EchoLink (Internet linked) nodes; emergency message handling procedures, and a transceiver memory log.

Order your copy of "The ARRL Repeater Directory 2009-2010" at the ARRL Online Store <<http://www.arrl.org/catalog/?category=What%27s%20New>>.

From *The ARRL Letter*, No. 13, April 3, 2009

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## ICOM IC-746 PRO FOR SALE

I have decided to Sell My Icom IC-746Pro. The radio is less than 2 years old, and has very little use. It is kept covered, in a smoke free environment. I am asking \$1300, this includes the PS-125 power supply. I have the original box and user manual.

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## NOTES ON CALENDAR (see last page)

Large call letters denote birthdays e.g., **AC2Z** May 28. All times are EDST. Contests are listed in the May QST, p. 80.

May 1-3 – **MARAC CW and SSB Contests** from 8 PM Friday to 8 PM Sunday. See [www.countyhunter.com](http://www.countyhunter.com)

May 1-3 – **10-10 CW and Digital Contests**, 10 meters from 8:01 PM Friday to 7:59 PM Sunday. See [www.ten-ten.org](http://www.ten-ten.org)

May 2-3 – **7<sup>th</sup> Area QSO Party**, all bands, all modes from 11 AM Saturday to 3 AM Sunday. See [www.7qp.org](http://www.7qp.org)

Contact by E-mail: [abgrable@optonline.net](mailto:abgrable@optonline.net), or cell: 732-306-2954.

Brian

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## AREA AMATEUR EXAM SESSIONS

Amateur radio exam sessions in this 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 6, 2009) at 10 AM. The contact person is Pat Brannick, N2BZD at 732-267-0308 or e-mail to [pbrannick@aol.com](mailto:pbrannick@aol.com).

**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](mailto: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 Genoino, WA2NDA at 609-971-2792 or e-mail to [wa2nda@aol.com](mailto: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 9, 2009) at 10 AM and on the second Wednesday of the even numbered months (June 10, 2009) at 7 PM. The contact person is Larry Puccio, K2QDY, 732-349-2950 or [lpuccio1@comcast.net](mailto:lpuccio1@comcast.net).

In all cases, the fee is \$15 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.



May 2 – **Indiana QSO Party**, HF SSB and CW from noon to midnight. See [www.hdxcc.org/inqp](http://www.hdxcc.org/inqp)

May 2-3 – **Radio Club of America QSO Party**, SSB from 1 PM Saturday to 1 AM Sunday. See [www.radio-club-of-america](http://www.radio-club-of-america)

May 2-3 – **New England QSO Party** from 4 PM Saturday to 8 PM Sunday, HF, all modes. See [www.neqp.org](http://www.neqp.org)

May 3 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 4 – **W1AW Qualifying Run** at 7 PM (10-40 wpm). See May QST, p. 80 or [www.arrl.org/w1aw](http://www.arrl.org/w1aw)

May 4 - **Monmouth County ARES Net** meets on 147.045 +600 at 7:30 PM.

May 5 – **Middletown Pancake House Luncheon** at noon at left rear table. All are welcome.

May 5 – **Old Barney ARC Meeting**, 7:30 PM at Ocean Acres Community Center in Manahawkin, NJ. See <http://www.obarc.org>

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

May 6 – **GSARA Meeting** at 7:30 PM at the MARS Building at Fort Monmouth.

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

May 9-10 – **Armed Forces Comm. Test**, HF SSB and Digital from 8 AM Saturday to 8 PM Sunday. See [www.netcom.army.mil/mars](http://www.netcom.army.mil/mars)

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

May 9 – **Monmouth Amateur Radio Club meeting** at 10 AM in Union Beach Police Annex (Municipal Building) on Poole Avenue.

May 9 - **Holiday City VE Test Session** at 10 AM in Toms River. Pre-register with Larry Puccio, K2QDY at 732-349-2950 or e-mail at [lpuccio1@comcast.net](mailto:lpuccio1@comcast.net).

May 9 – **FISTS Spring Sprint**, HF CW from 1 to 5 PM. See [www.fists.org/sprints.html](http://www.fists.org/sprints.html)

May 9 – **50 MHz Spring Sprint** from 7 to 11 PM, all modes. See [www.sysadnet.com/vhfsprintrules.htm](http://www.sysadnet.com/vhfsprintrules.htm)

May 11 – **Monmouth County RACES** on 147.045 +600 at 7:30 PM. RACES members only.

May 12 – **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](mailto:n2pvp@n2pvp.com)

May 14 – **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 15-17 – **ARRL National Convention** in Dayton, Ohio. See [www.hamvention.org](http://www.hamvention.org)

May 18 - **Monmouth County ARES Net** meets on 147.045 +600 at 7:30 PM.

May 20 – **GSARA Meeting** at 7:30 at the Red Cross, West Park Ave. and Shafto Road in Tinton Falls. Program is NNJ Section Manager Rich Krohn, N2SMV.

May 21 or 28 – **Winlink Class** at Freehold OEM at 7:30 PM. Register with [n2smv@arrl.net](mailto:n2smv@arrl.net). See page 1 for more info.

May 21 – **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](mailto:wa2nda@comcast.net).

May 22 – **W1AW Qualifying Run** at 9 AM (10-35 wpm). See May QST, p. 80 or [www.arrl.org/w1aw](http://www.arrl.org/w1aw)

May 23 – **Neptune Amateur Radio Club Meeting** at 9 AM at the American Legion on Gully Road in Neptune.

May 25 – **Monmouth County RACES** on 147.045 +600 at 7:30 PM. RACES members only.

May 29-31 – **CQ WPX CW Contest** from 8 PM Friday to 8 PM Sunday. See [www.cqwp.com](http://www.cqwp.com)

May 30-31 – **Kids Roundup, SSB** from 10 AM Saturday to 6 PM Sunday. See [www.kidsroundupcontest.w3vpr.org](http://www.kidsroundupcontest.w3vpr.org)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1 MARAC Cntst 10-10 CW	2 10-10 CW MARAC Cntst 7 Area QSO Ind. QSO RCA QSO N. Eng. QSO
3 10-10 CW MARAC Cntst 7 Area QSO RCA QSO N. Eng. QSO InfoAge	4 CW Qual. Run ARES/RACES 7:30	5 Pancake House  Old Barney ARC QCWA News 9 PM	6 GSARA Mtg	7 Hol. City Mtg.	8	9 OMARC Mtg. MARC Mtg Armed Forces Hol. City VE FISTS Sprint 50 MHz Sprint
10 Armed Forces Mother's Day InfoAge	11 RACES Net 7:30	12 Croyden VE 7 PM QCWA News 9 PM	13	14 JSARS Mtg.	15 Dayton	16 Dayton
17 Dayton InfoAge	18 ARES/RACES 7:30	19 QCWA News 9 PM	20 GSARA Mtg	21 JSARS VE	22 CW Qual. Run	23 Neptune Mtg
24 InfoAge	25 ARES/RACES 7:30	26 QCWA News 9 PM	27	28 AC2Z	29 CQ WPX CW	30 CQ WPX CW Kids Rndup
31 CQ WPX CW Kids Rndup						



G.S.A.R.A.

8 DONNER STREET

HOLMDEL, NJ 07733

FIRST CLASS