



1st Field Day Experience

by Charlie Ridgway, KC2PED



I participated in my first Field Day last night at the Hall of Science ARC. I think ham radio is a lot like sailing. After I got home from sailing I would feel like the boat was still rocking under me for hours. Today I was hearing call signs in the sound of passing cars, the subway and the bus. I even pulled out my portable to check to make sure it wasn't turned on even though there was no contesting going on on the VHF/UHF bands. It was three hours after we turned the radios off until I was no longer "hearing" the pile ups,

I got my first chance at HF early Sunday morning. I made a lot of calls but it wasn't until the last one that I finally broke through a pile up. Then there was a lengthy back and forth until our call sign was finally completely and correctly understood. The reply was that we were a duplicate. Oh well.

I spent most of the night being scribe for Howie, WB2HWW, and Keivan, W2KTU, who logged nearly 200 contacts. It was a little rough figuring out what those strings of letters and numbers the old hands

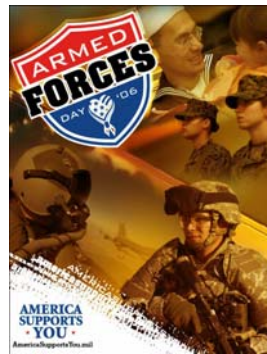
were rattling off were, but eventually I fell into the groove. I think we climbed up through nearly every band as the morning progressed. Some of them were easy to work and had great fidelity. Others were a challenge to pick the dominant scratchy station out of the rest of the scratchy stations. Many contacts were hard fought.

While others were having breakfast I keyed up and got two more contacts of my own. One was a contact from a previously worked band and the other was new.

HOSARC Actives NX2ND on USS Ling

Earlier this year, HOSARC members Dave, KC2ILK, Jim, N2BAL, Tom, KC2CBA, and Felix, K2KHV, traveled to Hackensack, New Jersey to activate special event station NX2ND aboard the USS Ling SS297, a World War 2 Balao class submarine. The station was operated as a special event station celebrating Armed Forces Day. The call sign of NX2ND was derived from the origi-

nal Ling military call sign of NXND.



The USS Ling is 312 feet long and weighs approximately 2,500 tons. It had a surface speed of more than 20 knots and a submerged speed of almost 9 knots. The sub carried a crew of 67 enlisted men, 5 chiefs, and 8 officers. It was launched on August 15, 1943 and was one of the first submarines capable of diving to more 400 fsw, which was 100 feet more than Japanese depth

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THE AMATEUR'S CODE

The Radio Amateur is:

<i>Considerate</i>	<i>Loyal</i>
<i>Progressive</i>	<i>Friendly</i>
<i>Balanced</i>	<i>Patriotic</i>



First Field Day HF Contact by Charlie Ridgway continued from page 1

My game plan had been to spend the night and leave in the morning when fresh troops arrived. But few operators arrived in the morning. The overnight hadn't been bad weather-wise and the clouds were breaking up a bit as the time to the close of the event grew shorter. Ultimately I decided to tough it out which may have been a tactical error on my part. Shortly thereafter the heavens opened again and rain came down faster than the water from my DEP approved shower head. We managed to keep the equipment dry and operated through most of the deluge. After Hurricane Katrina I was a little worried that the torrent would breach the levy along the fence at the edge of the road and inundate the station

but it held. There was a cataract running down the steps to the staff entrance of the Hall of Science which continued to run for quite some time after the rain stopped. Think forty days and forty nights.

When the rain stopped around 1100 EST we started breaking down right away just in case it was only a temporary lull. This gave me a chance to experience a bit of how a station goes together or, more properly, comes apart. I am sure those dipoles came out of the trees a lot easier than they got in there, something I had missed.

There is a certain amount of excitement in being in a pile up and fighting to get to the top. But only passing a station designator and section wasn't as satisfying as finding out something about the other station would have been. Still, Field Day is something I hope to do again.

nator and section wasn't as satisfying as finding out something about the other station would have been. Still, Field Day is something I hope to do again.



Charlie Ridgway, KC2PED

Submarine USS Ling Ham Station continued from page 1



charges could withstand at the time. 11 years later, the Ling was decommissioned by the Navy and was donated to the Submarine Memorial Association. The Navy towed it to Hackensack, New Jersey where the NJ Naval Museum was born to preserve and showcase to this important WW2 relic.

A 6 meter loop was attached to the railing of the 20 MM anti-aircraft gun, and a dipole was stretched from the conning tower to a flag-pole across the river on the museum grounds. Although band conditions were not favorable, more than 50 contacts were made on 20 meters, a handful of contacts were made on 6 meters sideband. Some of the operators set their equipment up in the mess hall of the

submarine, while others operated the Yeasu FT101ZD in the sub's actual radio room. The youngest member of the team of operators was K2KHV's 3 year old son, Felix, who was successful in making an HF contact.

Some of the DX entities contacted included England, Ecuador, and Canada. Most of the contacts were stateside, with the furthest being W6JRY.

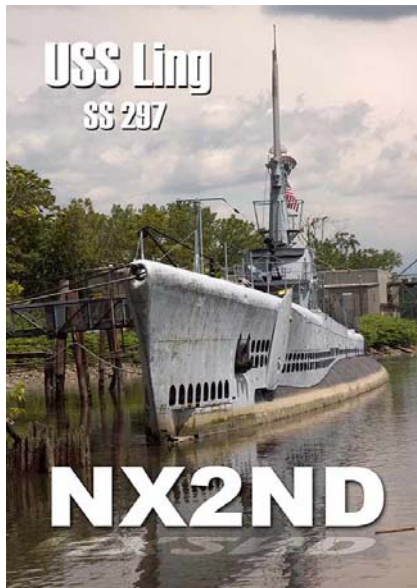
HOSARC operators were given an all access tour of the historic sub. The tour started at the anti-aircraft guns fore of the conning tower then went to the torpedo room in the bow; the ship's bridge and navigation and control station followed, the radio room, mess hall, bathrooms, engine compartment and stern torpedoes were all visited as well.

The NJ Naval Museum is more than just the home of the USS Ling. It is a magnificent museum in a park

like setting with other artifacts displayed and preserved. On the museum grounds is a memorial to the 52 submarines and their crew lost during WWII. On display are a PBR Mark II river patrol boat used in the Vietnam Conflict, a Japanese suicide torpedo, and a German Seehund Type U XXVIIB 2 man midget submarine, just to name a few. Guided tours are offered and other special programming is available. The museum is located in Hackensack, New Jersey. For more information please visit www.njnm.com.

Many thanks go to the NX2ND trustees Bill Stagg, KC2BLN, and Howie Holden, WB2AWQ, who allowed HOSARC to operate the station. Both Bill and Howie are members of the 10-70 Repeater Association of Northern New Jersey, which is a club whose members volunteer their time to restore, maintain, and operate the radio room and other electronic and electrical systems aboard the Ling. Also, thanks to Dave Huryn, KC2ILK, who did the advanced preparation necessary to make the event a huge success.

"CQ CQ CQ this is special event station NX2ND operating aboard the submarine USS Ling."



QSL card used for special event operation.



USS Ling Special Event Station Pictorial - Part 1



Coax was run through this hatch to the station below.



HOSARC members set up their station in the sub's mess hall, using logging software brought aboard on their laptops.



Jim, N2BAL, prepares to fire the 20 MM anti-aircraft guns to celebrate Armed Forces Day 2006.



Tom, KC2CBA, logs stations using an Icom 706 Mark II.



3 year-old Felix tries his hand with the Yeasu FT101ZD in the sub's radio room.



USS Ling Special Event Station Pictorial - Part 2



NJ Naval Museum is home to other important wart relics, such as this Japanese Kaiten II torpedo pictured in the foreground. It was a 2-man human torpedo filled with 3,417 lbs of explosives; it was used to sink US ships during WW2.



The HOSARC banner is proudly displayed on sub's control tower.



Dive controls



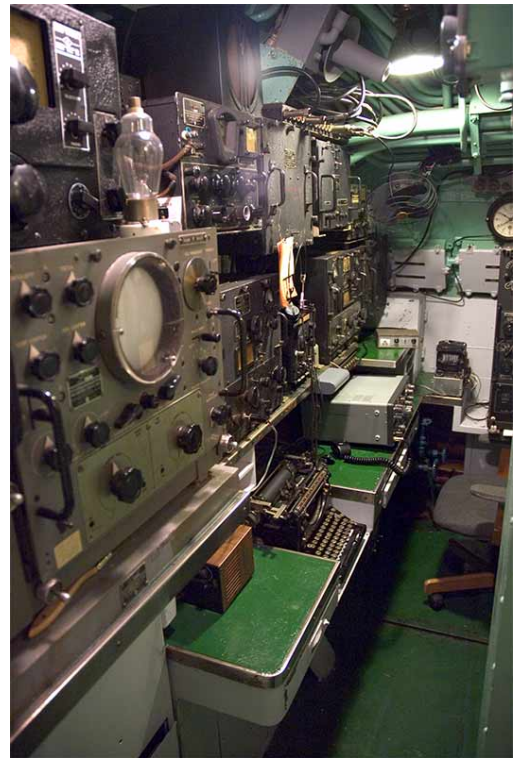
Maneuvering controls



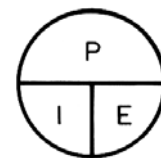
Forward torpedo room



US Navy TLB-12 Transmitter capable of 200 watts on CW.



Cramped quarters found in sub's radio room where the communications officers worked 12 hour shifts.



HOSARC Offers Free FCC Technician Class Training

HOSARC has started a free ham radio class at the New York Hall of Science.

The goal of the ham radio course is to improve training in communication, science, and ionospheric transmissions.

HOSARC has started a series of training classes preparing anyone interested in taking the FCC technician class amateur radio license. The classes are four weeks in duration and are held on Saturday mornings. They begin at 9 am and end at 11 am at the New York Hall of Science. The first class was scheduled for July 1, 2006.

Students learn about the United States Federal Communications Commission's

of radio transmission, and emergency communications. Along with teaching

the science of radio and short and long distance communication, there is ample time allotted in each classroom session for questions and answers with the instructors. Students will have the unique opportunity of hands-on learning by visiting and using a real working amateur radio station.

If anyone is interested in signing up for one of the courses, or wants more information on becoming an amateur radio operator, please contact Anthony Mampilly at 718-969-3116, anthonymampilly@gmail.com or AB2UV at rob@ab2uv.com

(FCC) rules and regulations regarding amateur radio, elementary physics, modes

HOSARC 2006 TRAINING SCHEDULE TECHNICIAN CLASS LICENSE PREPARATION

Session	Dates	Time	Lesson Plan	Class Activity	Session	Dates	Time	Lesson Plan	Class Activity
Batch 1	27-May-06	9am-11am	Introduction to Amateur Radio	Tour Radio Shack	Batch 5	7-Oct-06	9am-11am	Introduction to Amateur Radio	Tour Radio Shack
	3-Jun-06	9am-11am	Chapters 2-3 and Q&A	HF Demo		14-Oct-06	9am-11am	Chapters 2-3 and Q&A	HF Demo
	10-Jun-06	9am-11am	Chapters 4-5 and Q&A	SSTV/Satellites		21-Oct-06	9am-11am	Chapters 4-5 and Q&A	SSTV/Satellites
	17-Jun-06	9am-11am	Chapters 6-7 and Q&A	Morse Code		28-Oct-06	9am-11am	Chapters 6-7 and Q&A	Morse Code
	1-Jul-06		Final Exam			4-Nov-06		Final Exam	
Batch 2	1-Jul-06	9am-11am	Introduction to Amateur Radio	Tour Radio Shack	Batch 6	4-Nov-06	9am-11am	Introduction to Amateur Radio	Tour Radio Shack
	8-Jul-06	9am-11am	Chapters 2-3 and Q&A	HF Demo		11-Nov-06	9am-11am	Chapters 2-3 and Q&A	HF Demo
	15-Jul-06	9am-11am	Chapters 4-5 and Q&A	SSTV/Satellites		18-Nov-06	9am-11am	Chapters 4-5 and Q&A	SSTV/Satellites
	22-Jul-06	9am-11am	Chapters 6-7 and Q&A	Morse Code		25-Nov-06	9am-11am	Chapters 6-7 and Q&A	Morse Code
	29-Jul-06		Final Exam			2-Dec-06		Final Exam	
Batch 3	5-Aug-06	9am-11am	Introduction to Amateur Radio	Tour Radio Shack	Batch 7	2-Dec-06	9am-11am	Introduction to Amateur Radio	Tour Radio Shack
	12-Aug-06	9am-11am	Chapters 2-3 and Q&A	HF Demo		9-Dec-06	9am-11am	Chapters 2-3 and Q&A	HF Demo
	19-Aug-06	9am-11am	Chapters 4-5 and Q&A	SSTV/Satellites		16-Dec-06	9am-11am	Chapters 4-5 and Q&A	SSTV/Satellites
	26-Aug-06	9am-11am	Chapters 6-7 and Q&A	Morse Code		23-Dec-06	9am-11am	Chapters 6-7 and Q&A	Morse Code
	2-Sep-06		Final Exam			30-Dec-06		Final Exam	
Batch 4	2-Sep-06	9am-11am	Introduction to Amateur Radio	Tour Radio Shack					
	9-Sep-06	9am-11am	Chapters 2-3 and Q&A	HF Demo					
	16-Sep-06	9am-11am	Chapters 4-5 and Q&A	SSTV/Satellites					
	23-Sep-06	9am-11am	Chapters 6-7 and Q&A	Morse Code					
	30-Sep-06		Final Exam						



Marketplace

A new feature of the HOSARC NewsFuse is the Marketplace page. In this column the NewsFuse Editor will list an advertisement or any ham related equipment, including computers, that HOSARC members would like to sell, swap, or trade. There are no warranties or guarantees implied by HOSARC with these postings. If there is a piece of equipment that is listed that you are interested in, please contact the seller directly. If you would like to list a piece of equipment please send an email to the Editor. Good luck and happy hunting.

Seller: KC2KXC

Email: motoshack@optonline.net

Mark has a number of commercial Motorola radios for sale. All of these radios are capable of covering the ham bands and then some. Mark has a Motorola Astro Saber in excellent condition. The Astro Saber covers 403 MHz to 470 MHz. Mark also has a very rare Motorola GP300 radio that covers the 220 MHz band! Send Mark, KC2KXC, an email if you are interested in his radios.

Seller: KC2CBA

Email: Tomflushing3@aol.com

Tom has 50 feet of RG-8 coax, brand new in the box from Radio Shack. He is looking to sell it for \$22. If you are interested please send Tom an email.



Seller: K0SID

Email: sidney@sidneyko.com

Sidney has Yaesu FT50 dual band handheld radio in excellent condition for sale. This is a solid radio. It comes with dual battery charger (NC-50), two NiMH batteries, and a built-in digital recorder. Asking price is \$250.

Also for sale is a Yaesu FT-847 HF/VHF/UHF transceiver with cross-band repeat in excellent condition, very clean. It comes with original power cable, hand microphone, and optional voice synthesizer installed. Asking price is \$1,200.

For sale is a Yaesu VX-150 VHF handheld radio in very good condition. Radio is a solid performer. It comes with original battery and wall charger. Asking price is \$100.

Sidney also has a Radio Shack HTX-10, 10 meter FM and SSB mobile transceiver for sale. It is brand new and still in the box. Asking price is \$75.

Motorola Saber I, UHF handheld radio with 12 channels. Radio does not come with battery or antenna. It is a very clean commercial radio in good condition. Asking price is \$75.

Finally, Sidney is selling his Sony Vaio Notebook VGN-T250. It is in good condition. Laptop is ultra portable with a long lasting battery and was recently upgraded with 1 GB RAM. Deal includes power supply and 5.0 MP Sony W1 digital camera. Asking price is \$1,600.

Welcome to the following new members:

Les Sugai, N2UJG
Jack Stifano, KC2MWX
Ronald Hinds

October 2006

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1 <i>HamFest</i>	2	3 <i>Board Meeting</i>	4 <i>Club Net</i>	5	6	7
8	9	10 <i>General Meeting</i>	11 <i>Club Net</i>	12	13	14
15	16	17	18 <i>Club Net</i>	19	20	21
22	23	24	25 <i>Club Net</i>	26	27	28
29	30	31				

- ### Schedule of Events
- October — HOSARC Hamfest; AB2UV Guest Speaker
 - November — ARRL Sweepstakes; K1TTT Competition Station Visit
 - December — Holiday Party
 - January — ARRL VHF Sweepstakes
 - February — ARRL International DX
 - March — Timonium Hamfest
 - April — HF is fun.
 - May — Dayton Hamfest
 - June — Field Day; HOSARC Hamfest
 - July — Fishing Trip; BBQ Party

Chairman's Report by Tom Golero, KC2CBA



The September club meeting had a large turnout; it was a great start to the new year at HOSARC. It was especially nice to see some faces we haven't seen in a while such as Bob Aluska, KC2RFA, and John Neurberger, N2STX.

Highlights of the meeting include our own Dominick Marone who gave us an overview of how to make a meteor scatter contact; our president Allen, AE2J, put out a call for members to take more active role in the club. Please remember that the club thrives when members take an active role. Pete, W2IRT, gave us an update on HOSARC's DXCC count. We

have 235 countries worked and 211 countries confirmed; and we are 1 zone away



The official HOSARC QSL card

from the WAZ award; we have just earned DXCC on both 10 and 20 meters!!

Steve, KB2DG, asked for volunteers to work the October hamfest. Please email Steve if you can help. Finally Anthony Mamilly gave us an update on the success of the Technician license classes held at the museum.

I look forward to seeing at least as many members who showed up for the September meeting at the October meeting. Rob smith, AB2UV, will be next month's guest speaker; his topic will be remote base operations. It should be a good one!

73,
Tom



HALL OF SCIENCE AMATEUR RADIO CLUB SEMI-ANNUAL HAMFEST AND ELECTRONICS BAZAAR

SUNDAY JUNE 4TH 2006 SUNDAY OCT. 1ND 2006

- ❖ **Amateur Radio Equipment**
- ❖ **Antennas and station supplies**
- ❖ Computers & peripherals
- ❖ Software and accessories
- ❖ CB equipment
- ❖ Consumer Electronics
- ❖ TV & Stereo parts

A collection of images showing various electronic equipment: a mobile phone, a printer, a stereo receiver, and a satellite dish.

GET LICENSED HERE!
Register now for our
10AM VE Test Session
(visit hosarc.org for details)

FREE Tune-up Clinic!



Door Prizes!

ARRL Information!

AMPLE FREE PARKING!

Refreshments Available!

HAVE A FEW ITEMS YOU WANT TO SELL BUT DON'T WANT TO MISS THE HAMFEST? THIS YEAR TRY OUR NEW DROP'N'SHOP SERVICE! JUST LEAVE YOUR ITEMS WITH US AND WE'LL SELL THEM FOR YOU. IF YOUR ITEMS SELL, WE TAKE A SMALL FEE. IF NOT, YOU PAY NOTHING. FULL DETAILS AT THE DOOR AND ON OUR WEBSITE.

The New York Hall of Science 47-01 111th St.
Flushing Meadows Corona Park, Queens, NY 9AM–2PM (SETUP STARTS 7:30)
VISIT US ON THE WEB AT HOSARC.ORG

TALK-IN: 444.200 (+) 136.5 PL & 146.52 SIMPLEX
\$5 FOR BUYERS, \$10 VENDOR SPACES!

ADMISSION BY DONATION. RAIN OR SHINE! CHILDREN UNDER 12 ADMITTED FREE. NO FOOD OR DRINK SALES ARE PERMITTED. EACH SPACE ADMITS ONE PERSON. SELLERS MUST LEAVE THEIR SPACES CLEAN. FOR ADDITIONAL INFORMATION PLEASE CONTACT STEVE GREENBAUM (EVENINGS ONLY) 718-898-5599 OR E-MAIL WB2KDG@ARRL.NET. DROP'N'SHOP ITEMS MUST BE COMPLETE AND IN GOOD CONDITION!



**NEW YORK HALL OF SCIENCE
AMATEUR RADIO CLUB**

73 Members strong!

Felix Lam, K2KHV, NewsFuse Editor

E-mail: K2KHV@HOSARC.ORG

***Do you have a story?
Contact the NewsFuse Editor.***



The Hall of Science Amateur Radio Club, HOSARC, was founded in 1972 and is affiliated with the New York Hall of Science, a hands-on science and technology center located in the historic Flushing Meadows, Corona Park in Queens, New York. HOSARC club members maintain and operate the amateur radio exhibit located in the lower level of the center's central pavilion. The exhibit is a fully functional radio shack, equipped with top-of-the-line, modern amateur radio equipment. The shack operates all modes on all HF, VHF, and UHF bands. Visitors to the Hall of Science can operate the kilowatt HF station, WB2JSM. The club also operates the WB2ZZO repeater on 444.200 with a positive shift and a PL tone of 136.5. You do not have to be a club member to use the repeater; all are welcome. Please join our club nets which occur every Wednesday evening at 9pm. Net control operators are Ken, K2JLK and Bernie, K2ZIR. The club meets at 8pm every second Tuesday of each month in the cafeteria of the New York Hall of Science. Come on down, and meet the gang!



Amateur Radio Operator's Code of Conduct

The Code has appeared in every issue of the Radio Amateur's Handbook since 1927.

The radio amateur is:

CONSIDERATE, never knowingly operates in such a way to lessen the pleasure of others.

LOYAL, offers loyalty, encouragement, and support to other amateurs, local clubs, and the American Radio Relay

League, through which Amateur Radio in the United States is represented nationally and internationally.

PROGRESSIVE, with knowledge abreast of science, a well-built and efficient station, and operates above reproach.

FRIENDLY, slow and patient operating when requested; friendly advice and counsel to the beginner; kindly assis-

tance, cooperation, and consideration for the interests of others. These are the hallmarks of the amateur spirit.

BALANCED, radio is an avocation, never interfering with duties owed to family, job, school, or community.

PATRIOTIC, station and skill always ready for service to country and community.



The HOSARC Board of Directors:

Tom Golero, KC2CBA, Chairman
Dave Ellenberg, WA2KWP
Sidney Ko, K0SID

Alvin Levine, KB2SDX
Lenny Menna, W2LJM
Tom Tumino, N2YTF

Ilda Schneider, KC2JOM
James Schneider Sr., WA2UTR
Felix Lam, K2KHV

The HOSARC Officers:

Allan Koenigsberg, AE2J,
President

Howard Weissman, WB2HLW,
Secretary

Steve Greenbaum, WB2KDG,
Treasurer

Bernard Stein, K2ZIR,
Vice President