

MOUNTAIN SPARK GAPS



NPARC - The Radio Club for the Watchung Mountain Area

VOLUME 40

January 2005

NO. 1

N2XJ
Club Callsign

First Meeting of 2005 scheduled for Monday January 10th, at the Salt Brook School

From: The Prez



Happy New Year to all NPARC members, families and friends and with it best wishes for good health and good times. Santa was good to me this year. Mixed with the coal in the Christmas stocking was a 2 meter radio (via Ebay) and a mounting bracket for my K-1 QRP rig.

This past weekend was the fourth time the Club set-up a station for Kid's Day. We were located at the Berkeley Heights Community Center and had the cooperation of the Berkeley Heights Recreation Commission. Although we did get some visitors and made some interesting contacts including W5RRR at the Johnson Space Center in Houston, it seemed we did not get the interest we hoped for. Maybe due to the cold weather or the holiday "hangover," the turnout was just not there. I do not think many clubs do what we do, and set up in a public place for the day.

Maybe next year ARRL will schedule the event a little later in January, in which case we'll continue to participate. In June, we'll set-up outside at the Gazebo in New Providence Centennial Park as in the past.

On the topic of youth, I would like to congratulate Allison, KC2NQZ, for getting her Technician ticket in December. She is a senior at New Providence High. My daughter, Lauryn, WW2OLF, was her "elmer". Always nice to have a new ham aboard. The next step is to get her "radioactive"!

In club news, the official date for the Annual Club Auction is Friday, April 8, 2005 at the Salt Brook

(Continued in next column)

Frequency Modulation and Deviation Measurements



The first technical presentation of the 2005 year will be made by one of our most respected members Bob Willis K2GLS. Bob has had many years of experience in communication systems during his tenure at Bell Laboratories Whippany.

Bob will give us a Power Point presentation on FM theory, deviation, and bandwidth. He also plans to demonstrate deviation by showing the first Bessel null on an SSB receiver and measuring the deviation with a deviation meter. Combining this with a spectrum analyzer should demonstrate deviation and its relationship to transmitted bandwidth.

While demonstrating the critical parameters of an FM signal, Bob will be able to measure and analyze the output of a standard 2 meter (or 440 MHz) handitalkie. So if you are interested in knowing what kind of signal your equipment is putting out, bring it to this meeting, and he will test the spectrum and the deviation.

School Cafeteria (Yes, I have written permission.) So reserve the date and keep looking around the shack for good stuff to auction.

The new club officers are working real hard to get some interesting presentations for the monthly meetings so don't miss out. Come out to the meetings for hot coffee and hot conversation.

And thanks to Andy, WA2DKJ, who has shown up at the meetings with some great "ad hoc" presentations over the last few months.

73 es 88 de Al K2AL

Meeting Schedule

Regular Meeting: 7:30 - 10:00 PM
2nd Monday of each month at the
Salt Brook School Cafeteria
Springfield Ave. and Maple St.
New Providence.

4th Monday each month: 7:30 - 9:00
Informal Project Meeting, at the
New Providence Memorial Library
Elkwood Ave. and Academy St.
One Block North of Springfield Ave.

Everyone is Welcome

If a normal meeting night is a holiday
we usually meet the following night.
Call the contacts below.

Club Officers for 2005

President: K2AL Al Hanzl
908-464-1323
Vice Pres: N2VI Eric Grosse
908-322-9653
Secretary: KC2RLM Ralph Milnes
973-377-7061
Activities: K2EZR Frank McAneny
908-464-5285
Past President: AB2CM Harry Schwill
908-322-8867
Treasurer: K2JV Barry Cohen
908-464-1730

On the Air Activities

Club Operating Frequency

145.750 MHz FM Simplex

Sunday Night Phone Net

Whippany Repeater at 9:00 PM
Transmit on 147.63 MHz
Receive on 147.03 MHz
Net Control: KB2IKC

RTTY Net

Sunday evenings 8:00 to 9:00 PM
60 WPM Baudot 145.75 MHz
Net Control: K2AGI

Club Internet Addresses

Website: <http://www.qsl.net/nparc>
Reflector: nparc@mailman.qth.net
Webmaster: KC2RLM, Ralph

MOUNTAIN SPARK GAPS

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WB2QOQ Rick Anderson

Climatological Data for the Watchung Mountain Area Provided by WB2QOQ, Month of December



	2004	2003
Maximum Temp.. °F:	58	57
Minimum Temp. °F:	7	18
Average Temp. °F:	35.2	33.3
Total Precip Rain/Snow (in.):	4.32/7.5	1.5/20

The above information was provided by WB2QOQ, who has been recording daily weather events at his station for the past 23 years.

Calendar of Coming Events

January 10th: **3:00PM - SALT BROOK STATICS**

Regular Meeting - Conversation with an Astronaut

January 10th: First **REGULAR MEETING** of the year at the Salt Brook School. Program on FM and deviation measurements.

January 24th: **7:00PM - Technical and Project Meeting** at the Salt Brook School

February 14th: **REGULAR MEETING** at Salt Brook School

April 8th **FRIDAY: NPARC ANNUAL AUCTION** at the Salt Brook School

May 20 - 22: **DAYTON HAMVENTION**. It's not too soon to think about attending this year!

***MORE EVENTS???** Send info to k2jv@arrl.net!!*

Kids Day January 2, 2005



How many kids does it take to make Kids Day a success?? Just ask these three. At the rig are (L - R) Alexandra Esposito, David Orshan, and Nick Esposito. Alexandra (in full *STATICS* uniform) was talking with KB9RDS in Indiana. A little later David and Nick hooked up with W5RRR The Johnson Space Center Ham Station in Houston Texas.

The Club thanks those members who contributed to the event, including Lou WK2I who supplied the antenna, Harry AB2CM, Joe N2KRP, Guy K2EFB, Vince KC2IZK, Bruce KQ2E, Eric N2VI, and Scott KC2LSV (David's father).

Membership Registration
NPARC - The Watchung Mountain Area Amateur Radio Club
P.O. Box 813, New Providence, NJ 07974-0813

For the Calendar Year 2005

Full Name _____ Spouse Name _____
Address _____ City _____ Zip _____
e-Mail Address _____
Home Telephone (_____) _____
Office Telephone (_____) _____
Call _____ Class _____ Expiration Date _____
Birthday (Month and Day are sufficient) _____
ARRL Member? _____ Life Member? _____

Can you operate 145.75 MHz FM? _____ Mobile? _____ HT? _____

Can you operate on 440 MHz FM? _____ Mobile? _____ HT? _____

Can you give a technical presentation at a Club Meeting?

Subject?? _____

Please return this entire form.

Dues are \$20.00 per year for Members, \$10.00 per year for Students.

Dues may be paid by cash or personal check made to NPARC and sent to:

Barry G. Cohen, Treasurer
39 Cromwell Court
Berkeley Heights, NJ 07922

Dues for 2005 are payable before the first meeting in January 2005.