

# MOUNTAIN SPARK GAPS

NPARC—The Radio Club for the  
Watchung Mountain area



Website: <http://www.nparc.org>  
Club Calls: N2XJ, W2FMI

VOLUME 46 July 2011 NO. 7

## UPCOMING EVENTS

### Regular Meetings

**Monday July 25 & Aug. 8 7:30 PM**  
**Borough Hall Recreation**  
**Meeting Room**

### Upcoming Events

**None -**  
**Quiet Summer**

If there is anyone who is not on the distribution for the Hudson Division Beacon click

<http://www.hudson.arrl.org/eacon/2011/201107hudsonbeacon.pdf>

Since Joyce took over as division director, it has been expanded greatly, is full of good information and is well worth reading.

## Meeting Schedule

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

**Informal Project Meeting:** 7:30—9:00 PM  
**4th Monday of each month** at the  
Salt Brook School Cafeteria  
Springfield Ave. and Maple St.  
New Providence

### Everyone is Welcome

If a normal meeting night is a holiday,  
we usually meet the following night.  
Call the contacts below.  
When Schools are closed,  
Meetings are held in the Recreation  
Department Meeting Room in Borough Hall

## Club Officers for 2011

President: N2KDK Paul Campano  
908-508-9595  
Vice Pres.: K2MUN David Berkley  
908-500-9740  
Secretary: K2JV Barry Cohen  
908-464-1730  
Treasurer: K2YG Dave Barr  
908-277-4283  
Activities: KC2OSR Sam Sealy  
973-635-8966

## On the Air Activities

Club Operating Frequency  
145.750 MHz FM Simplex

Sunday Night Phone Net  
Murray Hill Repeater (W2LI) at 9:00 PM  
Transmit on 147.855 MHz  
With PL tone of 141.3 Hz  
Receive on 147.255 MHz  
Net Control K2AL

## Club Internet Address

Website: <http://www.nparc.org>  
Webmaster K2MUN David Berkley  
Reflector: [nparc@mailman.qth.net](mailto:nparc@mailman.qth.net)  
Contact K2UI, Jim

## MOUNTAIN SPARK GAPS

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Editor: K2EZR Frank McAneny  
Contributing Editors:  
WB2QOO Rick Anderson  
WB2EDO Jim Brown

Climatological Data for New Providence for  
June 2011

The following information is provided by  
Rick, WB2QOO, who has been recording  
daily weather events at his station for the  
past 29 years.

### TEMPERATURE -

Maximum temperature this June, 93 deg. F  
(June 9)  
Last June (2010) maximum was 96 deg. F.  
Average Maximum temperature this June, 79.9  
deg. F  
Minimum temperature for this June, 52 deg. F  
(June 15)  
Last June (2010) minimum was 53 deg. F.  
Average Minimum temperature this June, 61.8  
deg. F  
Minimum diurnal temperature range, 7 deg.  
(74 - 67 deg.) 6/23; (72 - 65) 6/24.  
Maximum diurnal temperature range, 28 deg.  
(80 - 52 deg.) 6/15.

Average temperature this June, 70.9 deg. F  
Average temperature last June, 75.5 deg. F

### PRECIPITATION -

Total precipitation this June - 2.80" rain.  
Total precipitation last June - 2.45" rain.

Maximum one day precip. event this June;  
June 17; 1.10" rain.  
Measurable rain fell on 7 days this June, 10  
days last June.

=====  
Rick Anderson  
7/13/11

243 Mountain Ave.  
New Providence, NJ  
(908) 464-8911

[rick243@comcast.net](mailto:rick243@comcast.net)

**Lat = 40 degrees, 41.7 minutes North**

**Long = 74 degrees, 23.4 minutes West**

Elevation: 380 ft.

CoCoRaHS Network Station #NJ-UN-10

# MISCELLANEA

## PRESIDENT'S COLUMN

*Not available at press time.*  
(Hint, Hint)

## New Providence Fireworks

As in prior years the police department and organizers of the July 4 celebration asked the NPARC Emergency Response Team to provide communications assistance.

## Field Day



Complete results and lots more pictures are on the club website. Special thanks to all who helped make this a success. Particular thanks goes to:

Lou WK2I for stepping in at the last minute as chairman.

Tom K2ESE for the tower.

James KB2FCV for the computer logging network.

Barry K2JV for the GOTA station.

Rick KB2QOQ for the VHF station.

Rich N2AUG for his equipment.

Al K2AL for his cooking skills.

Finally those who supplied the generators and those who store all this stuff from year to year.

To those I missed—sorry!

## ERT Operators:

Barry	K2JV	NCS
Lou	WK2I	South and Gales
Hillary	KC2HLA	South Street Patrol
Frank	K2EZR	Gas Station Lot
David	K2MUN	Fireworks Pit
Al	K2AL	Swimming Pool Lot
Paul	N2KDK	OLP (F/D and EMS)



Paul K2KDK and Barry K2JV with police chief Buccelli and two officers.

**Every once in a while someone offers a standing tower to anyone who will take it away. The following is the reason such work should be left to professionals.**

## **One Ham Killed, Another Seriously Injured in Tower Accident**

07/19/2011

As a group of South Dakota hams were dismantling a 110 foot tower outside of Hot Springs on Saturday, July 16, a gust of wind toppled the final section, trapping two local hams underneath. Tim Anderson, K0OR, 54, and Tom Embree, NC0K, were transported to Rapid City Regional Hospital via helicopter, where Anderson died of his injuries. Embree underwent surgery on Sunday and is expected to have more on Wednesday; he remains in serious condition. Both are members of the Hot Springs Amateur Radio Club; Anderson was the club's president. Hot Springs is located about 57 miles south of Rapid City.

According to Fall River County Emergency Manager Frank Maynard, members of the Hot Springs ARC had taken down all but the final 30 foot section of the tower. As the ground crew was just beginning to release the guy wires, a gust of wind blew the tower over with Anderson and Embree still on it. The tower then collapsed on top of them.

Maynard said that the men were helping the club take down the tower that was no longer in use. The tower's owner offered the structure to the club and they were planning to move it to a new location.

According to John Embree, his brother Tom -- a Vietnam Veteran who had just retired from a 25 year career in law enforcement -- was new to the area, "After being in Hot Springs for only a month, he was out helping move that radio tower," John Embree [wrote](#) on the *Rapid City Journal's* discussion board. "Tom is undergoing surgery Wednesday for his injuries. He had his skull drilled to remove a blood clot there. He has a broken pelvis that they are going to try to pin and glue back together. His jaw was broken badly and they will try to fix that somehow. But he is a tough old guy and with a little help, [he] will recover."

Anderson and Embree were both ARRL Volunteer Examiners. Anderson, a VE since 1984, was one of the first ARRL Volunteer Examiners after the FCC established the program. Anderson was also the advisor to the Hot Springs School Radio Club.

A memorial service for Anderson will be held at 10 AM on Thursday, July 21 at the Mueller Center Theater in Hot Springs. -- *Thanks to the [Rapid City Journal](#)*

# SCIENTIFIC TIDBITS

## Disposable E-Books

As you have probably noticed, the price of e-readers has plummeted over the last two years as competition sparked by the success of Amazon's Kindle has increased substantially. A case in point is the price of the Kindle which hit the market in 2007 at \$399 but now is priced at \$139 (\$189 for the 3G + WiFi version). Now, an engineering researcher at the University of Cincinnati has come up with a concept that could make e-readers so cheap that they could be considered disposable. It seems the Professor Andrew Steckl's research into an affordable, high performance, paper based display technology has paid off. As described in a recent issue of the American Chemical Society journal Applied Material and Interfaces, the breakthrough is based on using paper as a flexible host material for an electrowetting device. The electrowetting process involves applying an electric field to colored droplets in the display, thereby generating images ranging from a simple type to photos and even video.

According to Steckl "One of the main goals of e-paper is to replicate the look and feel of actual ink on paper. We have, therefore, investigated the use of paper as the perfect substrate for electrowetting devices to accomplish e-paper on paper. It is pretty exciting. With the right paper, the right process, and the right device fabrication technique, you can get results that are as good as you would get on glass, and our results are good enough for a video-style e-reader."

The goal is to achieve a material that can be rolled out like a paper towel, produce high resolution color video, and still be tossed when you are done with it. Steckl predicts that it will take 3-5 years to reach commercialization, so the relatively expensive glass-based e-readers will be around for a while. This cannot be good news for the newspaper industry as we know it today.

WB2EDO