

# MOUNTAIN SPARK GAPS

**NPARC—The Radio Club for the  
Watchung Mountain Area**



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

**VOLUME 50 NO.6 June 2015**

## **UPCOMING EVENTS**

### **Regular Meetings**

**7/13 & 7/27  
Monday 7:30  
NP Community Center**

## Meeting Schedule

**Regular Meeting: 7:30—9:00 PM**  
**2nd Monday of each month** at the  
NP Senior & Adult Center  
15 East Forth Street  
New Providence

**Informal Project Meeting: 7:30—9:00 PM**

**4th Monday of each month**  
**Same location**

**Everyone is Welcome**

If a normal meeting night is a holiday,  
we usually meet the following night.  
Call one of the contacts below  
or check the web site

## Club Officers for 2015

President: KC2WUF David Bean  
973-747-6116

Vice President: K2UI Jim Stekas  
973-377-4180

Secretary: KD2EKN Tim Farrell  
908-244-6202

Treasurer: K2YG Dave Barr  
908-277-4283

Activities: W2PTP Paul Wolfmeyer  
201-404-6914

## —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

Digital Net  
First & Third Mondays 9 PM  
Details as announced.

## 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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WB2QOQ Rick Anderson  
WB2EDO Jim Brown

Climatological Data for New Providence  
for May 2015

The following information is provided by  
Rick, WB2QOQ, who has been recording  
daily weather events at his station for the  
past 34 years.

### TEMPERATURE -

Maximum temperature this May, 89 deg. F (May  
11)

Last May (2014) maximum was 87 deg. F.

Average Maximum temperature this May, 80.1  
deg. F

Minimum temperature for this May, 41 deg. F  
(May 3)

Last May (2014) minimum was 41 deg. F.

Average Minimum temperature this May, 54.4  
deg. F

Minimum diurnal temperature range, 11 deg.  
(71-60 deg.) 5/9

Maximum diurnal temperature range, 41 deg.  
(82-41 deg.) 5/3

Average temperature this May, 67.3 deg. F

Average temperature last May, 63.2 deg. F

### PRECIPITATION -

Total precipitation this May - 4.11" rain

Total precipitation last May - 3.2"

Maximum one day precip. event this May; May  
31, 2.58" rain.

Measurable rain fell on 4 days this May, 14  
days last May.

=====  
Rick Anderson

6/5/15

243 Mountain Ave.

New Providence, NJ

(908) 464-8912

[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

**.4 minutes West**

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Field Day 2015 has come and gone. It was the wettest one I have ever been involved with. At least the rain held off until setup was complete and it stopped in time for tear down. The two tents which were augmented with tarps stayed reasonable dry. The other two were soaked! Thanks to everyone who braved the elements.

Will have photos and preliminary results next month.

! These are some more examples of pictures received during the Monday evening digital net.



First and Third Mondays at 9 PM.  
Join in if you can.

## SCIENTIFIC TIDBITS

### **Broccoli's Cleansing Effect**

The health food market is overrun with products claiming to “detoxify” the human body, and much of the time those claims are based on shady science. But new research indicates that eating broccoli may indeed have a detoxifying effect since consuming it appears to help cells expel toxins that are breathed in as air pollution. A study of 291 Chinese adults found that a daily drink of broccoli sprout tea resulted in increased excretion of the chemical benzene and acrolein in subjects' urine. Benzene, an air pollutant and known carcinogen, and acrolein, a lung irritant, are both found in car exhaust and cigarette smoke. Study participants who drank the sprout tea excreted 61 percent more benzene and 23 percent more acrolein than participants who drank a placebo. The compounds in broccoli sprouts that help facilitate the detoxifying process are present in mature broccoli, too, as well as in other cruciferous greens such as kale, though in lower concentrations. Mom was correct when she told you to eat all your broccoli. It is a frugal way to offset some of the effects of air pollution including smoking, but not all the bad effects. So don't eat tons of broccoli and start smoking again.

### **Who is on the Internet?**

The number of people using the Internet keeps rising, but a new study shows that some 60% of the global population is still not online. McKinsey's report shows that about 1.8 billion people have come online since 2004 bringing the total up to just over 2.7 billion out of the roughly 7.2 billion world population. The report cites government regulations, low income growth and difficult economics of access as obstacles. At the current rate, 500 – 900 million more people will be online by 2017, but that will still leave an estimated 4.2 billion offline. It looks like the internet still has a lot of potential growth ahead of it.

### **3D-Print for Burn Victims**

Treating severe burns involves removing skin from other parts of the body to graft onto the burnt areas. However, University of Toronto developers may have found an end to this painful process. The PrintAlive system can print large layers of tissue, complete with hair follicles and sweat glands. The system uses a patient's own skin cells so the immune system will not reject the new tissue. The Toronto team just completed the second generation prototype, which is small enough for transport to rural and developing areas. What a marvelous breakthrough!

Jim WB2EDO