



# PEAKS & NULLS



MORRIS RADIO CLUB

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## THINGS HAVE CERTAINLY CHANGED

I came across this article the other day at work and it sure brought back some memories. When I was in school in the 60's we went from one class where we were plotting vacuum tube load lines to another where we were deriving S Parameters for transistors.

[http://www.edn.com/electronics-blogs/rowe-s-and-columns/4442619/Electrical-engineering-in-the-1950s-and-60s--The-transistor-changed-everything?mc=NL\\_EDN\\_EDT\\_EDN\\_testandmeasurement\\_20160912](http://www.edn.com/electronics-blogs/rowe-s-and-columns/4442619/Electrical-engineering-in-the-1950s-and-60s--The-transistor-changed-everything?mc=NL_EDN_EDT_EDN_testandmeasurement_20160912)

Now software makes up more of the instrument or rig than the hardware. That's why they call it a "Software Defined Radio".

## VHF HERE WE COME

In late June an article titled "Sun Has Likely Entered New Evolutionary Phase, Say Astronomers" by Bruce Dorminey caught my eye. In it he says that "The Sun has likely already entered into a new unpredicted long-term phase of its evolution". The authors of a new paper submitted to The Astrophysical Journal Letters used observations of other sunlike stars using the Kepler Space Telescope and discovered that the Sun is currently in a special phase of its magnetic evolution. Dorminey goes on to say that "Heretofore, the Sun was thought to have been just a more slowly rotating version of a normal yellow dwarf (G-spectral type) star. These results offer the first real confirmation that the Sun is in the process of crossing into its magnetic middle age, where its 11-year Sunspot cycles are likely to slowly disappear entirely. That is, from here on out, the Sun is likely to have fewer sunspots than during the first half of its estimated 10 billion year life as a hydrogen-burning star. The Sun's 11 year sunspot cycle is likely to disappear entirely, not just get less pronounced."

In late July when I still hadn't seen a reference to the article in the K7RA Solar Update that comes out weekly from the ARRL, I emailed Tad K7RA with a link to the story. He replied that he had seen it but, was debating on whether to include it or not. The following week this paragraph was in the update "Bill Loftus, WA2VQF, of Denville, New Jersey, was among several who sent this article, commenting, "Good thing I only need 30 more on 80 meters for 5BDXCC." The "this article" was a link to the story. I guess he was afraid of starting an all out panic by either publishing sections of it or making it easy to read.

What it really means is that the day is coming (not that soon) when there will not be any good openings on 6 Meters and then 10 Meters will go dead forever followed by 15 Meters. On Field Day most of our work will be on 40 and 80 and possibly some action on 20. Then we can sit around and talk about when cycle 23 was the last good cycle.

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## UPCOMING MEETINGS

September 19, 2016 Regular business meeting

October 17, 2016 Regular business meeting

November 21, 2016 Regular business meeting

December 19, 2016 Holiday Get-Together

## SELECTED UPCOMING CONTESTS

CQ Worldwide DX Contest, RTTY	0000Z, Sep 24 to 2400Z, Sep 25
Texas QSO Party	1400Z, Sep 24 to 2000Z, Sep 25
TARA PSK Rumble Contest	0000Z-2400Z, Oct 1
Oceania DX Contest, Phone	0800Z, Oct 1 to 0800Z, Oct 2
California QSO Party	1600Z, Oct 1 to 2159Z, Oct 2
SARL 80m QSO Party	1700Z-2000Z, Oct 6
Oceania DX Contest, CW	0800Z, Oct 8 to 0800Z, Oct 9
Pennsylvania QSO Party	1600Z, Oct 8 to 2200Z, Oct 9
Arizona QSO Party	1600Z, Oct 8 to 2359Z, Oct 9
10-10 Int. 10-10 Day Sprint	0001Z-2359Z, Oct 10
10-10 Int. Fall Contest, CW	0001Z, Oct 15 to 2359Z, Oct 16
New York QSO Party	1400Z, Oct 15 to 0200Z, Oct 16
Illinois QSO Party	1700Z, Oct 16 to 0100Z, Oct 17



## PREDICTED SUNSPOT NUMBER AND RADIO FLUX FOR OCTOBER 2016

### \*\*\*SUNSPOT NUMBER\*\*\*

PREDICTED	HIGH	LOW
37.3	47.3	27.3

### \*\*\*10.7 RADIO FLUX\*\*\*

PREDICTED	HIGH	LOW
92.9	101.9	83.9

## AUGUST MEETING MINUTES

There was no August meeting. A Get-Together was held at Atlanta Bread in Morris Plains in place of the meeting. 8 members attended.

### Station

**Call Sign** OK2RZ  
**DXCC** CZECH REPUBLIC  
**CQ Zone** 15  
**ITU Zone** 28  
**Grid** JN99BS

### Worked Station

**Worked** W2YD  
**DXCC** UNITED STATES OF AMERICA (291)  
**CQ Zone** 5  
**Grid** FN20  
**State** New Jersey (NJ)  
**County** MORRIS  
**Date/Time** 2015-06-28 04:58:54  
**Mode** SSB (PHONE)  
**Band** 20M  
**QSL** [2016-08-12 20:20:58](#)

**Record ID** 777771096 **Received:** 2016-08-12 20:20:58

## Sometimes it takes awhile

This LoTW confirmation was from Field Day 2015. It took them over a year to post it to log-book. Our log was posted the day after Field Day. President Ed worked them at 12:58 AM local time. That's why you Technicians should take a turn on the phone station. You may be able to work some good DX.

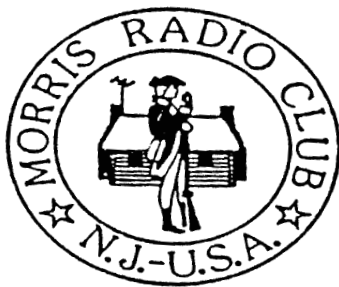


## MORRIS RADIO CLUB

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**THE MORRIS RADIO CLUB IS AN ORGANIZATION OF AMATEUR RADIO OPERATORS WHICH HAS BEEN IN EXISTENCE FOR OVER SIXTY FIVE YEARS. AS A HOBBY, AMATEUR RADIO SERVES AS A PUBLIC RESOURCE FOR COMMUNICATIONS AS WELL AS AN EDUCATIONAL EXPERIENCE.**

**ALTHOUGH MANY WHO BECOME INTERESTED IN AMATEUR RADIO ARE INVOLVED IN AN ELECTRONICS RELATED FIELD, THE HOBBY APPEALS TO A WIDE VARIETY OF INDIVIDUALS.**

**THE MEMBERSHIP OF THE MORRIS RADIO CLUB IS A DIVERSE GROUP MADE UP OF MEDICAL, BUSINESS, EDUCATION, AND LAW ENFORCEMENT PROFESSIONALS, AMONG OTHERS, WHOSE COMMON INTERESTS ARE COMMUNICATION, EDUCATION, AND PUBLIC SERVICE.**

## HAMFEST CALENDAR

### Garden State ARA Hamfest

09/18/2016

**Location:** MOESC Parking Lot  
100 Tornillo Way  
Tinton Falls, NJ

**Website:** <http://www.gardenstateara.org/hamfest>

### Ocean Monmouth County ARC Tailgate and Hamfest

09/25/2016

**Location:** Diana Site Camp Evans  
2300 Marconi Road  
Wall Township, NJ

**Website:** <http://www.N2MO.org>

### BARA Fall Hamfest

10/08/2016

**Location:** Westwood Regional Senior and Junior High school  
701 Ridgewood Road  
Township of Washington, NJ 07676

**Website:** <http://bara.org>