

W9JOZ

Volume 9, Issue 6

June 2019

Next Meeting is June 20th

Dues are due and still \$12.00

Weekly 2 meter Net

We are having the Saturday Night Net at 8:00 pm on the 145.410 repeater.

Hope you can check in and join us for some good conversation.

We could use some more check-ins on the net.

**Thanks
John W3ML**



Meetings are at the Henry F. Schricker Library on the third Thursday of each month, with the exception of December.

The library is located on west Culver Road, two blocks west of Highway 35.



Are you on the air?

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June Events

Fox Hunts is June 9th. See webpage for details

Birthdays

4th - W9QN, Tom

19th - KD9IHY, Bob

Starke County Amateur Radio Club Weekly 2 Meter Net will be on each Saturday at 8:00 p.m. Central time.

DAY OF WEEK: Saturday 8:00 p.m. Central time

HOST: KN9OX Repeater

FREQUENCY: 145.410 - 600

PL TONE: 131.8

News Items Listed

See all the For Sale Items at

www.w9joz.org/forsale.htm

There are a lot of them there.

Cycle 25 Predicted to be Below Average

Scientists at the National Weather Service charged with predicting the Sun's activity for the next 11-year solar cycle say that it's likely to be weak, much like the current one. The current solar cycle, Cycle 24, is declining and predicted to reach solar minimum - the period when the Sun is least active - late in 2019 or 2020.

Solar Cycle 25 Prediction Panel experts said Solar Cycle 25 may have a slow start, but is anticipated to peak with solar maximum occurring between 2023 and 2026, and a sunspot range of 95 to 130. This is well below the average number of sunspots, which typically ranges from 140 to 220 sunspots per solar cycle. The panel has high confidence that the coming cycle should break the trend of weakening solar activity seen over the past four cycles.

“We expect Solar Cycle 25 will be very similar to Cycle 24: another fairly weak cycle, preceded by a long, deep minimum,” said panel co-chair Lisa Upton, Ph.D., solar physicist with Space Systems Research Corp. “The expectation that Cycle 25 will be comparable in size to Cycle 24 means that the steady decline in solar cycle amplitude, seen from cycles 21-24, has come to an end and that there is no indication that we are currently approaching a Maunder-type minimum in solar activity.”

The solar cycle prediction gives a rough idea of the frequency of space weather storms of all types, from radio blackouts to geomagnetic storms and solar radiation storms. It is used by many industries to gauge the potential impact of space weather in the coming years. Space weather can affect power grids, critical military, airline, and shipping communications, satellites and Global Positioning System (GPS) signals, and can even threaten astronauts by exposure to harmful radiation doses.

Solar Cycle 24 reached its maximum - the period when the Sun is most active - in April 2014 with a peak average of 82 sunspots. The Sun’s Northern Hemisphere led the sunspot cycle, peaking over two years ahead of the Southern Hemisphere sunspot peak.

Solar cycle forecasting is a new science

While daily weather forecasts are the most widely used type of scientific information in the U.S., solar forecasting is relatively new. Given that the Sun takes 11 years to complete one solar cycle, this is only the fourth time a solar cycle prediction has been issued by U.S. scientists. The first panel convened in 1989 for Cycle 22.

For Solar Cycle 25, the panel hopes for the first time to predict the presence, amplitude, and timing of any differences between the northern and southern hemispheres on the Sun, known as Hemispheric Asymmetry. Later this year, the Panel will release an official Sunspot Number curve which shows the predicted number of sunspots during any given year and any expected asymmetry. The panel will also look into the possibility of providing a Solar Flare Probability Forecast.

“While we are not predicting a particularly active Solar Cycle 25, violent eruptions from the sun can occur at any time,” said Doug Biesecker, Ph.D., panel co-chair and a solar physicist at NOAA’s Space Weather Prediction Center.

An example of this occurred on July 23, 2012 when a powerful coronal mass ejection (CME) eruption missed the Earth but enveloped NASA’s STEREO-A satellite. A 2013 study estimated that the U.S. would have suffered between \$600 billion and \$2.6 trillion in damages, particularly to electrical infrastructure, such as power grid, if this CME had been directed toward Earth. The strength of the 2012 eruption was comparable to the famous 1859 Carrington event that caused widespread damage to telegraph stations around the world and produced aurora displays as far south as the Caribbean.

The Solar Cycle Prediction Panel forecasts the number of sunspots expected for solar maximum, along with the timing of the peak and minimum solar activity levels for the cycle. It is comprised of scientists

representing NOAA, NASA, the International Space Environment Services, and other U.S. and international scientists. The outlook was presented on April 5 at the 2019 NOAA Space Weather Workshop in Boulder, Colo.

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ARLB015 The FCC is Not Reinstating a Vanity Call Sign Fee

ZCZC AG15
QST de W1AW
ARRL Bulletin 15 ARLB015
From ARRL Headquarters
Newington CT May 16, 2019
To all radio amateurs

SB QST ARL ARLB015
ARLB015 The FCC is Not Reinstating a Vanity Call Sign Fee

An erroneous report this week suggested that the FCC planned to again impose an Amateur Radio vanity call sign application (regulatory) fee of \$70 for the 10-year term. This incorrect conclusion resulted from an incomplete reading of the May 7 FCC Notice of Proposed Rulemaking (NPRM) in the matter of the assessment and collection of regulatory fees for fiscal year 2019.

Although the Schedule of Regulatory Fees does show a \$7 annual fee for Amateur Radio vanity call signs, a boldface heading in that section of the NPRM states, "REGULATORY FEES. This section is no longer in effect as it has been amended by RAY BAUM'S Act of 2018..."

Section 9(e)(2) of RAY BAUM'S Act gives the Commission discretion to exempt a party from paying regulatory fees when the FCC determines that the cost of collection exceeds the amount collected. A new section 9(e)(1) incorporated the Amateur Radio vanity fee exemption from FCC rules into the statute.

The NPRM makes clear in several other places that regulatory fees no longer apply to Amateur Radio licenses. The FCC eliminated the regulatory fee for Amateur Radio vanity call signs in 2015.

NNNN
/EX

Subject: Print a colored license....

I found this and thought you might like to pass it along...Just type in your call and print your license...

K9ILU

<http://ae7q.com/misc/Generate.php>

Saturday, June 15, is Kids Day

06/05/2019

The next [Kids Day](#) is Saturday, June 15. That's the day to get youngsters on the air to share in the joy and fun that Amateur Radio has to offer. Kids Day gets under way on Saturday, June 15 at 1800 UTC and concludes at 2359 UTC. Sponsored by the Boring (Oregon) Amateur Radio Club, this event has a simple exchange, suitable for younger operators: first name, age, location, and favorite color. After that, the contact can be as long or as short as each participant prefers.

Look for activity on these frequencies: 10 meters: 28.350 – 28.400 MHz; 12 meters: 24.960 – 24.980 MHz; 15 meters: 21.360 – 21.400 MHz; 17 meters: 18.140 – 18.145 MHz; 20 meters: 14.270 – 14.300 MHz; 40 meters: 7.270 – 7.290 MHz, and 80 meters: 3.740 – 3.940 MHz. Repeater contacts are okay with permission of the repeater owner.

As with any on-the-air activity that includes unlicensed individuals, control operators must observe [third-party traffic restrictions](#) when making DX contacts. Additional [details](#) are on the ARRL website.

<http://www.arrl.org/news/saturday-june-15-is-kids-day>

• Hamfest/Convention Schedule

07/12/2019 | [Indianapolis Hamfest](#)

Location: Indianapolis, IN

Type: ARRL Hamfest

Sponsor: Indianapolis Amateur Radio Association, Inc.

Website: <http://indyhamfest.com>

[Learn More](#)

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07/20/2019 | [Auburn Hamfest](#)

Location: Auburn, IN

Type: ARRL Hamfest

Sponsor: Northeastern Indiana Amateur Radio Association

Website: <http://w9ou.org>

[Learn More](#)

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08/10/2019 | [Angola Hamfest](#)

Location: Angola, IN

Type: ARRL Hamfest

Sponsor: Land of Lakes Amateur Radio Club

[Learn More](#)

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08/24/2019 | [Owen County Amateur Radio Association](#)

Location: Spencer, IN

Type: ARRL Hamfest

Sponsor: Owen County Amateur Radio Association

Website: <http://www.Owen County ARA.org>

[Learn More](#)

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10/26/2019 | [Hamtober Fest](#)

Location: Lynnville, IN

Type: ARRL Hamfest

Sponsor: Tri-State Amateur Radio Society - TARS

Website: <http://hamtoberfest.com>

[Learn More](#)

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11/16/2019 | [Fort Wayne Hamfest and Computer Expo, ARRL Indiana Section Convention](#)

Location: Fort Wayne, IN

Type: ARRL Convention

Sponsor: Allen County Amateur Radio Technical Society

Website: <http://www.fortwaynehamfest.com>

[Learn More](#)

If you have a presentation for the meeting, please let me know.

If you have something for the newsletter, please send it to me before the 20th of the month.

See you at a meeting.

73

John, W3ML

