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# WAVELENGTH

## OFFICIAL BULLETIN OF THE SCARBOROUGH AMATEUR RADIO CLUB INC.

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**LEARN**

**PARTICIPATE**

**ENJOY**

### SARC Nets:

**Sunday: 28.730 MHz.**  
**CW 10:00 AM**  
**SSB 10:30 AM**

**Tuesday: 147.060 MHz.**

**Thursday: 28.730 MHz.**  
**SSB 07:00 PM**

**Everyone is invited to check in on  
CW before the nets start.**

These are open nets. All licensed  
Hams are always welcome. Come  
and join us.

We also want to emphasize that  
28.730 MHz. is our calling frequency.  
You will find some friends there daily  
at 07:00 PM

## **DX-info**

MONACO, 3A. Strange Radio Team members IZ0BTV and F5VKV will be QRV as 3A/IZ0BTV and 3A/F5VKV, respectively, beginning November 3. Activity will be on 160, 80 and 40 meters using SSB, RTTY and PSK.

MALAWI, 7Q. Harry is QRV as 7Q7HB and has been active using RTTY on 20 meters between 1630 and 1730z. QSL via G0IAS.

WEST MALAYSIA, 9M2. JA1OCZ will be QRV as 9M4DXX from Penang from November 7 to 12. Activity will be on 80 to 10 meters using CW, SSB and FM. He will try to make an effort in the upcoming JIDX contest. QSL to home call.

QATAR, A7. Bill, G0MKT is QRV as A7/G0MKT until January 1, 2008. Activity is on 40 to 6 meters using mostly CW, and possibly with some SSB and PSK. QSL via NM7H.

LIECHTENSTEIN, HB0. Members of the Hungarian Traveling Amateur Radio Team, HA0HW, HA4DX and HA4XG, will be QRV as HB0/home calls from Masescha from November 6 to 14. Activity will be on all HF bands, with an emphasis on 160 and 80 meters, and possibly 2 meters, using CW, SSB and some digital modes. QSL to home calls.

DOMINICAN REPUBLIC, HI. Michelle, IK5ZUI is QRV as HI9/IK5ZUI from Las Terrenas. His length of stay is unknown. QSL via operator's instructions.

ITALY, I. Look for special event station

IY1EY to be QRV from November 3 to 11 to celebrate Marconi's radio electric experiments on the Elettra Ship from 1919 to 1936 in the Ligurian Sea. Activity will be on all bands and modes. QSL via IK1QBT.

DOMINICA, J7. Operators DL5HAQ, DK6HA and DL3HBZ are QRV as J75/DK0RZ until November 17. QSL via DK0RZ.

SVALBARD, JW. G3SXW and G3TXF are QRV as JW/homecalls from Longyearbyen, Spitsbergen until November 5. Activity is on their usual frequencies. QSL to home calls.

NETHERLANDS, PA. Look for special event station PA20NAFRAS to be QRV from November 3 to 19 to mark the 20th anniversary of the Netherlands Air Force Radio Amateur Society, PI4NAF. QSL via PA1TT.

CHAD, TT. Phil, TT8PK has been QRV on 15 meters around 1300z and then 20 meters around 1700z. QSL via F4EGS.

BRUNEI, V8. Operators PA3EWP, F5CWU and GM4FDM will be QRV as V8FWP, V8FWU and V8FDM, respectively, from November 4 to 18. Activity is on 160 to 10 meters using CW, SSB and RTTY. QSL V8FWP via PA7FM and all others to home calls.

NEW ZEALAND, ZL. Steve, G4EDG will be QRV as ZL4/G4EDG from Stewart Island, IOTA OC-203, from November 5 to 7. He may have his own ZL callsign by the time the operation takes place. Activity will be on 40 to 17 meters using only CW. QSL direct to home call.

## Sun's Next Stormy Cycle Starts

By Robert Roy Britt

Senior Science Writer

posted: 18 August 2006

01:34 pm ET

Astronomers say the Sun has begun its next cycle of activity, part of an 11-year ebb and flow in sunspots and solar flares.

Solar activity is near the low point in the cycle now. Few sunspots appear and solar flares are rare. But on July 31, a tiny sunspot appeared and then vanished after a few hours. It was a normal event, except that it was magnetically backward.

"We've been waiting for this," said David Hathaway, a solar physicist at the Marshall Space Flight in Huntsville, Alabama. "A backward sunspot is a sign that the next solar cycle is beginning."

### Two lines of evidence

Sunspots are areas of strong magnetic activity, where material wells up from below. The dark spots are like tops on a soda bottle, and sometimes they erupt and send bubbles of superheated gas, called plasma, into space.

This sunspot had a south-north orientation in a region of the Sun where spots would normally be oriented north-south.

"We're near the end of Solar Cycle 23, which peaked way back in 2001," Hathaway said. Cycle 24 should begin "any time now," he said, adding that it might have begun on July 31.

The tiny, backward sunspot was at 13-degrees south latitude. Cycle-heralding

sunspots are usually closer to the Sun's midsection, between 30 degrees North and 30 degrees South. So Hathaway is not certain the new cycle has begun. "But it looks promising," he said.

Another group of researchers today announced that the cycle had indeed begun. That team, using the Synoptic Optical Long-term Investigations of the Sun (SOLIS) facility built by the National Solar Observatory at Kitt Peak, Arizona, detected small magnetic eruptions near the Sun's poles that they say signal the new cycle's stars.

### Storminess ahead

The peak of Cycle 23 was not particularly noteworthy, though a record-setting solar flare came as part of a string of storms struck our planet in November of 2003-actually well past the peak of the cycle.

Astronomers think Cycle 24 could be a strong one based on historical records and computer projections.

Enhanced activity means satellites and even power grids on Earth are at risk of electrical malfunction. Solar storms spew charged particles into space, and when they interact with Earth's protective magnetic field, electrical charges can dip into the lower atmosphere and even to the ground.

It will likely be many months and perhaps years before the new cycle builds steam and serious storminess ensues.

NASA plans later this month to launch a new pair of probes, called STEREO, to better monitor solar activity through the next cycle.

(Tnx to VE3OBU)



## **High Flight**

By Pilot officer John Magee Jr.

Oh, I have slipped the surly bonds of earth  
And danced the skies on laughter-silvered wings;  
Sunward I've climbed, and joined the tumbling mirth  
Of sun-split clouds...and done a hundred things  
You have not dreamed of..wheeled and scared and swung  
High in the sunlit silence. Hov'ring there,  
I've chased the shouting wind along, and flung  
My eager craft through footless halls of air.  
Lup, up the long, delirious, burning blue  
I've topped the windswept heights with easy grace  
Where never lark, or even eagle flew.  
And, while with silent, lifting mind I've trod  
The high untrespassed sanctity of space  
Put out my hand, and touched the face of God.

This being remembrance week, it is appropriate to think about those who gave their lives in either WW1, WW2, the Korean War and the numerous peacekeeping missions and other conflicts, so that we can live in one of the best countries of the world.

LEST WE FORGET

## SARC NEWS

The Scarborough Club is now the owner of a generator, which can be used in the field. Our own Bert VE3OBU donated \$100.00 towards the purchase. Total cost was approximately \$227.00. Thank you Bert for your generosity.

Bert VE3OBU and Ray VE3ZXC are busy taking our website to a new location. Hopefully you will not notice many changes. This is being done so that the club can take complete control of our website. We will keep you posted.

The Scarborough ARC nets, both 10 M and 2 M have been well attended. However we always hear the same group checking in on 10 M. We would like to see more members there. Not hard to put up a 10 M antenna, even if you live in an apartment and have a balcony. Remember the slinky antenna? Nobody will even notice that one. Come on, give it a try. Almost every evening at 7 p.m. you can hear some stall wards there and some very interesting conversations are going on with a variety of subjects, not always amateur radio related.

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*Being challenged in life is inevitable.....*

*Being defeated is optional.*

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*While acquainting myself with a new elderly patient, I asked, "How long have you been bedridden?" After a look of complete confusion she answered..."Why, not for about 20 years - when my husband was alive."*

## UPCOMING EVENTS

November 12 - Bylaw proposals - second reading. Chalk talk by VE3QF

November 26 - Computer logging presentation by Stan VE3TW

December 10 - Election night & Christmas party.

January 14 - SARC Annual meeting - Introduction new Executive.

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### Elections

Your nominating committee under the guidance of Audrey VA3YD have been working hard and after some arm twisting have come up with the following nominees who are willing to run.

President: Bernadine Dinnard-Williams  
VE3YDB

Vice President: Bert Almemo VE3OBU

Secretary: Ray Chow VE3ZXC

Treasurer: Lambert Philadelphia  
VE3LYP

Membership: Joe Ditta VA3JDX

Cyril Jones VA3CJE

Communications: Bob Chrysler VE3IEL

That certainly is not a bad start. More candidates are of course needed.

Consider what you can do for the club and volunteer.

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