



PEAKS & NULLS



MORRIS RADIO CLUB

Volume III, Issue XII

December 13, 2013

HOLIDAY GET-TOGETHER

On Monday night December 16th we will meet at the Brookside Diner on Route 10 East in Whippany at 6 PM for our annual Holiday Get-Together that is held in place of a December meeting. This a pay your own way gathering that

is open to anyone (members, spouses, significant others, friends, etc.). If you plan on coming please email Noel at no2el@optonline.net so that he can arrange seating with the diner.

Inside this issue:

UPCOMING MEETINGS 2

2014 DUES 2

UPCOMING CONTESTS 2

SOLAR FULX PREDICTION 3

NOVEMBER MEETING MINUTES 3

HAMFEST CALENDAR 4

A BIG MONTH IN SATELLITES

November was a bonus month for those who are active with the Amateur Satellites. There were 40 satellites launched that carried Amateur Radio payloads. On November 19 and 20 four CubeSats were launched from the International Space Station using a CubeSat Cannon that shot them into space. Also on November 20th there was the Minotaur launch that some of us observed launching 12 CubeSats. Then the next day on the 21st there was a Yansy Dnepar launch in Russia that put 24 CubeSats in orbit including the first satellites for the countries of Pakistan and Peru. Most of these CubeSats are only transmitting beacons and sending telemetry but, there are some that are carrying SSB/CW transponders (435 Up 2 Meters Down). An Example is FUNcube-1 which has been given the AMSAT designation of AO-73. It has had its transponder turned on after initial testing of the Satellite. In fact the current AMSAT TLE list of 2 Line Keplerian Elements shows 82 active Amateur Satellites. The only operating FM Satellite is SO-50(SaudiSat 1-C). It is operating in mode J with a uplink frequency of 145.800 67.0 Hz PL and a downlink of 436.800. It has a ten minute timer that has to be armed with a 2 second carrier with a PL tone of 74.4 Hz. There are also four Transponder Satellites available for use. AO-7 was Launched November 15, 1974 and became non-operational in 1982 due to battery failure but in 2002 the battery un-shorted so now the spacecraft is operational only when illuminated, FO-29 (JAS-2) has a transponder operating in mode V/U (2 Meters up 435 Down), VO-52 (Hamsat) is operating in mode U/V (435 Up 2 Meters Down) and AO-73 (FUNcube-1) also operating mode U/V. Currently there are no low band (10/15 Meters) satellites left in an operational state. Most of these CubeSats have been constructed by schools and colleges and Amateur Radio is the most cost effective way to communicate with them.



UPCOMING MEETINGS

December 16, 2013 Holiday Get-Together 6 PM at the Brookside Diner

January 27, 2014 Regular business meeting

(Note: The meeting will be held on the 4th Monday of the month due to the Martin Luther King Holiday)

February 24, 2014 Regular business meeting

(Note: The meeting will be held on the 4th Monday of the month due to the Presidents Day Holiday)

2014 DUES

2014 DUES

Noel NO2EL is now accepting dues payments for 2014. \$15.00 for full membership, \$10.00 for associate.

SELECTED UPCOMING CONTESTS

ARRL Rookie Roundup, CW	1800Z-2359Z, Dec 22
Stew Perry Topband Challenge	1500Z, Dec 28 to 1500Z, Dec 29
SARTG New Year RTTY Contest	0800Z-1100Z, Jan 1
NCCC Sprint Ladder	0230Z-0300Z, Jan 3
ARRL RTTY Roundup	1800Z, Jan 4 to 2400Z, Jan 5
North American QSO Party, CW	1800Z, Jan 11 to 0600Z, Jan 12
DARC 10-Meter Contest	0900Z-1059Z, Jan 12
NCCC Sprint Ladder	0230Z-0300Z, Jan 17
ARRL January VHF Contest	1900Z, Jan 17 to 0359Z, Jan 19
NCCC Sprint Ladder	0230Z-0300Z, Jan 24
CQ 160-Meter Contest, CW	2200Z, Jan 24 to 2159Z, Jan 26
REF Contest, CW	0600Z, Jan 25 to 1800Z, Jan 26
BARTG RTTY Sprint	1200Z, Jan 25 to 1200Z, Jan 26



PREDICTED SUNSPOT NUMBER AND RADIO FLUX FOR JANUARY 2014

*****SUNSPOT NUMBER*****

*****10.7 RADIO FLUX*****

PREDICTED HIGH LOW

PREDICTED HIGH LOW

86.4 96.4 76.4

138.1 147.1 129.1

NOVEMBER MEETING MINUTES

Morris Radio Club -
Meeting Minutes
November 18, 2013

Attendees (5) K2EMJ,
KC2KNT, NO2EL, W2GM,
WA2VQF and one visitor

A quorum was present.

Opening of Meeting
President Ed opened the
meeting at 7:36 PM

Reports:

Secretary - Bill WA2VQF
reported that the Octo-
ber Minutes were issued
in the November Peaks
and Nulls Newsletter
and that there were no
corrections reported.
Ray KC2KNT moved that
the minutes be ac-
cepted. Mark W2GM sec-
onded. The minutes
were accepted

Noel NO2EL presented
the treasurers report
for October.

Treasurer - Noel NO2EL
reported that the April
account balances. The
actual number are
available from Noel.

Ray KC2KNT moved that
the Treasurers reports

be accepted. It was
seconded by Mark W2GM
and unanimously ac-
cepted.

Old Business:

The decision was made to
again hold the Holiday
Get-Together at the
Brookside Diner on De-
cember 16 at 6PM.

Because of a mixup the
exam session was not
scheduled on the ARRL
web site so the session
was cancelled.

Noel NO2EL gave a report
on the three weekend
antenna party that he
had asked for help with
at the last meeting.

New Business:

Ed K2EMJ brought up the
subject of classes. The
Morristown CERT Team has
some members that are
interested in getting
licenses.

Noel is looking into a
course that will not
take seven weeks. We
will see if we can
schedule something in
the spring.

We will also look into
giving classes on what
to do after you get a
license.

President Ed K2EMJ
closed the meeting at
8:32 PM.

Bill WA2VQF

MRC Secretary

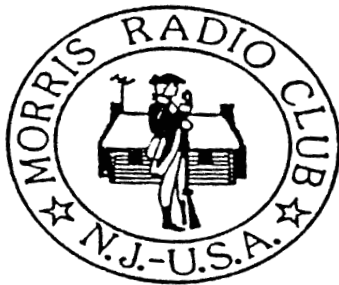


MORRIS RADIO CLUB

K2EMJ ED PETERS PRESIDENT
KC2RDX ROB BRABANDT VP
WA2VQF BILL LOFTUS SECRETARY
NO2EL NOEL SCHEFFEN TREASURER

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WWW.MORRISRADIOCLUB.ORG



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

There are no Hamfests currently scheduled for December 2013 and January 2014.



What do you mean now that we're done you want to reverse them and put the big antenna on the top and the little ones on the bottom!