

PEAKS & NULLS



MORRIS RADIO CLUB

Volume XIII Issue III

March 16, 2023

THE DUNESTAR'S ARE READY

As you can see in the minutes from last month's meeting, Noel was able to find the third Dunestar600 filter. This one also came with the optional switch box. The second one came with a Top Ten Decoder which converts a BCD output from a rig to select the proper band filter. It was wired for a K3 so we needed a 10 pin DIN connector to pair it with the Yaesu FT-450D.. It turns out that Yaesu uses a mini DIN. Luckily Mark W2GM was aware that DX Engineering sold a cable with the connector on it. This saved me from having to make up a cable assembly. I got the cable from Noel at the February meeting and Mark brought the FT-

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THE FIELD DAY PACKETS ARE STILL NOT OUT

As I write this the Field Day packets are still listed as "coming soon" but, they have published the rules for Field Day 2023 and there is one change that effects us.

Rule Changes for ARRL Field Day 2023:

• **Each contact must include contemporaneous direct initiation by both operators making a contact. Initiation of a contact may be by either local or remote control. Fully automated contacts are prohibited.**

It looks like the FT8 guys are going to have to work for their points.

There are also some changes to the GOTA station and scoring along with a new max power of 500 watts for Class A, B and C stations but, that doesn't effect us.

We'll be talking about Field Day at our upcoming meetings and our Monday Get-togethers. Even though we have a club Field Day at the park any member that has other responsibilities or doesn't feel comfortable joining in at the trailer can still take part and add to the club's score. Just remember if you show up to help and then go home you cannot work us but, you are free to take part in Field Day and submit a entry that will be added to the club score. Believe it or not Field Day is only 96 days away from this months meeting.

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UPCOMING MEETINGS

March 20, 2023 In Person & Virtual Regular business meeting

April 17, 2023 In Person & Virtual Regular business meeting

May 15, 2023 In Person & Virtual Regular business meeting

June 19, 2023 In Person & Virtual Regular business meeting with Field Day preparations

2023 DUES

2023 DUES

Mark W2GM is now accepting dues payments for 2023. \$15.00 for full membership, \$10.00 for associate. If you have a PayPal account, dues can now be paid by using Pay-Pal.

SELECTED UPCOMING CONTESTS

BARTG HF RTTY Contest	0200Z, Mar 18 to 0200Z, Mar 20
CQ WW WPX Contest, SSB	0000Z, Mar 25 to 2400Z, Mar 26
Louisiana QSO Party	1400Z, Apr 1 to 0200Z, Apr 2
Missouri QSO Party	1400Z, Apr 1 to 0400Z, Apr 2 and 1400Z-2000Z, Apr 2
New Mexico QSO Party	1400Z, Apr 8 to 0200Z, Apr 9
Georgia QSO Party	1800Z, Apr 8 to 2359Z, Apr 9

VE EXAMS

Newton NJ 07860-4912

03/17/2023

Sponsor: SCARC

Date: Mar 17 2023

Time: 7:00 PM

(Walk-ins allowed)

Contact: Sid Markowitz

(973) 663-0518

Email: K2GG@AR

RL.NET

VEC: ARRL/VEC

Location: Sussex County Public Safety Training

114 Morris Tpke

Newton NJ 07860-

4912

Mount Arlington NJ 07856-9999

04/10/2023

Sponsor: Split

Rock ARA

Date: Apr 10 2023

Time: 7:00 PM

(Walk-ins allowed)

Contact: Sid Markowitz

(973) 663-0518

Email: K2GG@AR

RL.NET

VEC: ARRL/VEC

Location: Mt. Arlington Civic Center

1 Fern Place

MUST have an FRN

& email address

Mount Arlington NJ

07856-9999



PREDICTED SUNSPOT NUMBER AND RADIO FLUX FOR APRIL 2023

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

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

PREDICTED HIGH LOW

PREDICTED HIGH LOW

75.3 84.3 66.3

109.9 118.9 100.9

FEBRUARY MEETING MINUTES

Morris Radio Club – Meeting Minutes
February 20, 2023

The meeting was held both in person and by video teleconferencing

Attendees (14) In Person: K2EMJ, KA2HZP, N1MID, NO2EL, W2GM, WA2LAN, WA2VQF, WA2YCI, WR2G, W3CJD
Virtual:K2SCH, KC2RDX, KE2MM, N8XX

A quorum was present.

Opening of Meeting
President Noel opened the meeting at 7:32 PM

Reports:

Secretary – Bill WA2VQF reported that the January minutes were issued in the February issue of Peaks & Nulls. No errors were reported.

Craig WR2G moved to accept the Secretary report. Joe N1MID seconded. The report was accepted.

Treasurer – Mark W2GM reported the February account balances::

Activity: Confirmed Amazon Web and PayPal fees. Recorded 2023 Dues, Equipment Purchases and Amazon Smile Donation

The actual numbers are available from Mark.

Joe N1MID moved that the Treasurers report be accepted. Carl WA2YCI Seconded. The Treasurer’s report was accepted.

Old Business:

Noel reported on the new Dunestat purchase. He found it in Canada. It has cleared customs and is between Kearny and Morristown.

A discussion on the Field Day antennas was held.

ED is taking orders for badges.

New Business:

Noel and Craig gave a report on the failed 3Y0J DXpedition.

Joe N1MID made a motion to close the meeting ED K2EMJ seconded

The meeting was closed at 8:00 PM

After the meeting was closed Noel NO2EL gave a presentation on FT8 operation.

WA2VQF
MRC Secretary

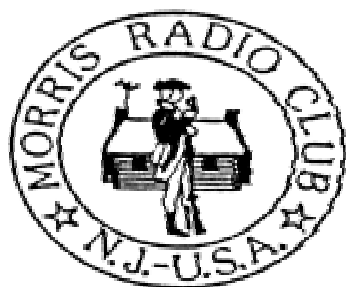


MORRIS RADIO CLUB

NO2EL	NOEL SCHEFFEN	PRESIDENT
K2EMJ	ED PETERS	VP
WA2VQF	BILL LOFTUS	SECRETARY
W2GM	MARK SUGARMAN	TREASURER

E-mail: morrisradioclub@gmail.com

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

NJARC Hamfest Swapmeet

03/18/2023

Location: Parsippany PAL

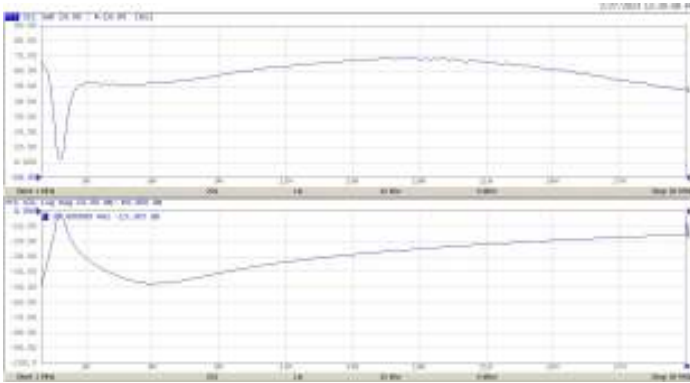
33 Baldwin Road

Parsippany, NJ 07054

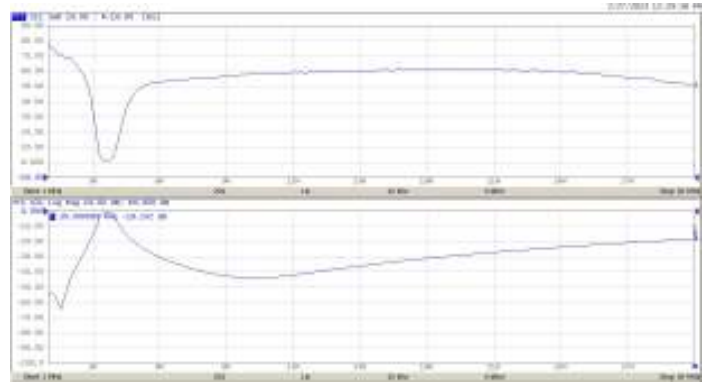
Sponsor: www.njarc.org

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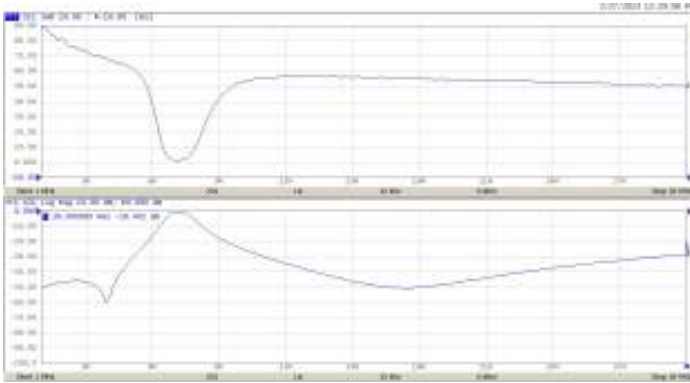
450D. The cable that came for the K3 had a molded DB25 connector strain relief so I dug up another DB25 and put it on the DX Engineering cable. Both the Top Ten Decoder power cable and the cable from the Top Ten to the Dunestar had power pole connectors. I dug up an old 12 volt power supply and put power pole pigtailed on it. When I hooked everything up and connected it to the FT-450D the 20 meter LED came right on. As I changed bands it followed just like it should.. I then rewired the new Dunestar and its control box for negative keying and took it to work to test it on a VNA. When I hooked everything up it did not work. After a little troubleshooting I found that the contact on the red lead of the power pole connector on the control box was not inserted fully. After I reset the pin I had power but it still didn't work. Some more troubleshooting showed that the control box was not fully wired for negative keying. Some one had not connected the +12 volt wire from the cable that connects to the Dunestar because it is not needed for positive keying. They had cut the +12v wire off flush with the jacket of the cable. I removed some more jacket and connected the +12V. Now everything worked. I have included the plots of the filter response for all of the bands and a picture of the FT-450D set up on the next page. The top trace of each plot is the VSWR and the bottom one is the insertion loss. The maximum VSWR was 1.3:1 on 160 meters. The specification is 1.5:1 on all bands.



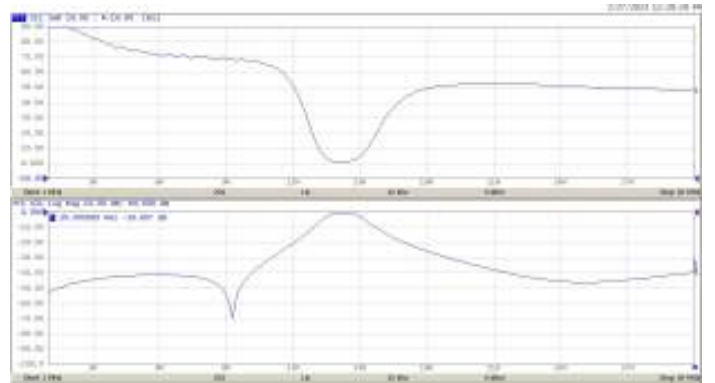
160 METERS



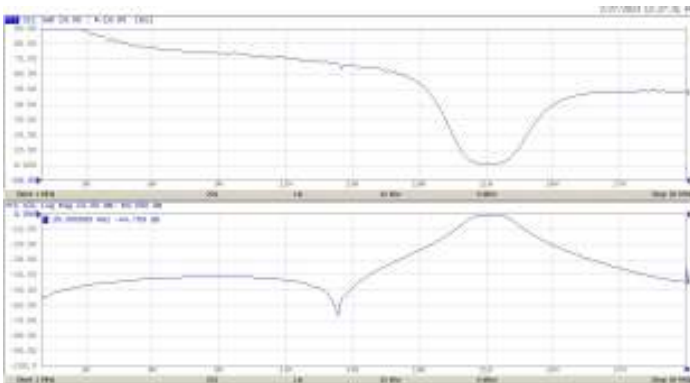
80 METERS



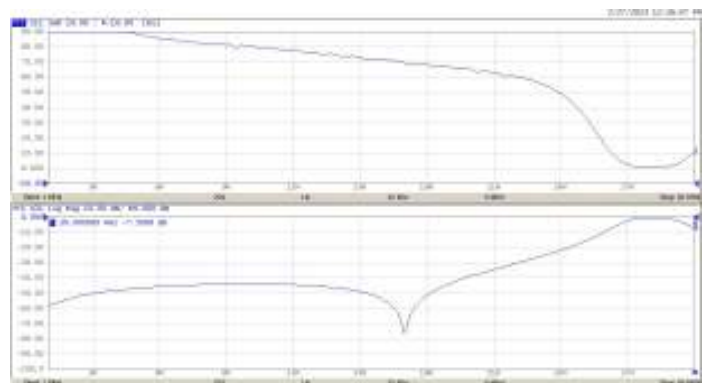
40 METERS



20 METERS



15 METERS



10 METERS

