



MARC

Annual Review

November 1, 2023

MARC Bylaws

ARTICLE VII OFFICERS AND DIRECTORS

SECTION A. President

* * * * *

5. Prepare annually and submit at the Club's annual meeting a full and correct statement of affairs of the Club, including a **balance sheet, a financial statement of operations, and a narrative statement of the Club's program accomplishments for the preceding fiscal year;**

6. **Prepare annual and amended budgets for approval by the Board of Directors and present approved budgets to the membership;**

Financial statement and review of club activities for prior year required annually by club bylaws.



2023 Officers and Directors

OFFICERS

Aleks W3JAG - President

A1 NW2M - Vice President (Resigned)

Fred K3CSX - Secretary

Bill KB3WKK - Treasurer



DIRECTORS

Terry W3EDS

David W2LNX

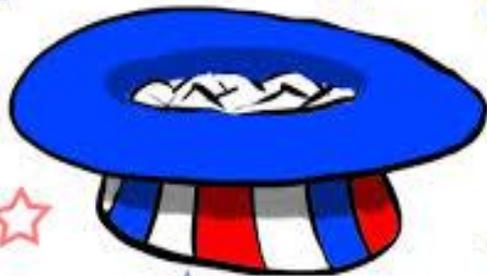
Joe AC3JM

Dennis KD6DPR

Marc N4DR

Tom W3TDH

ELECTION
DAY!



MARC Elections
November 1

**Financial &
Budget Review
FY2023
Bill KB3WKK,
Treasurer**

IAW MARC Bylaws

MARC Has Two Funds:

1. Operating (General) Fund

- **Regularly budgeted expenses**
- **Any non-budgeted item above \$250 needs simple majority approval of members**

2. Reserve for Replacements (aka Emergency Fund)

- **Pay for capital equipment failures/losses/obsolescence**
- **As approved by Board of Directors**

MARC FY 2023 (*Fiscal year to-date at 10-30-2023 ~92% thru fiscal year*)

| Revenues | | |
|---|-----------|-----------------|
| Member Dues | \$ | 4,318.00 |
| Operating Fund Donations | | 2,289.10 |
| Donations Raised through AmazonSmile | | 105.12 |
| Interest Income - Operating Fund | | 22.19 |
| Total Operating (unrestricted) revenues | | 6,734.41 |
| Contributions to Reserve for Replmt (Emerg Fund) | | 2,503.00 |
| Interest Income - Reserve for Replacement (EF) | | 252.02 |
| Total Revenues | \$ | 9,489.43 |
| | | ** |
| Expenditures | | |
| Operating Budget-funded Expenditures * | \$ | 5,074.54 |
| Grant-funded Expenditures | \$ | - |
| Replacement Reserve Fund Expenditures (a.k.a. Emergency Fund) | \$ | 2,834.73 |
| * includes PayPal fees of \$234.23 | | |
| Total Expenditures | \$ | 7,909.27 |
| Surplus of Oper Revenues over Oper Expenditures | \$ | 1,659.87 |
| Deficit of Replacement Reserve Contribs over Expend | \$ | (79.71) |
| Surplus of Total Revenues over Total Expenditures | \$ | 1,580.16 |
| ** of which \$2503.00 is restricted to Replacement/Emerg Fund purposes | | |

| | 2023 | | | 2022 | | 2021 | | 2020 | | 2019 | | 2018 | |
|---|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| | Program Mgr | Spent | Budget |
| Administration | Bill KB3WKK & Fred K3CSX | \$ 1,271 | 1,325 | 1,158 | 1,250 | 1,170 | 1,100 | 912 | 1,020 | 947 | 870 | 875 | 800 |
| Awards | Aleks W3JAG | \$ 365 | 450 | 237 | 450 | 150 | 300 | 140 | 300 | 370 | 350 | 180 | 250 |
| Digital Node | David W2LNX | \$ - | 0 | - | 60 | - | 60 | - | 100 | - | 100 | - | 100 |
| Education | David W2LNX | \$ - | - | - | 300 | - | - | - | - | - | 300 | - | 650 |
| Field Day | Paul N3RQV | \$ 1,068 | 800 | 330 | 800 | 618 | 800 | 879 | 800 | 1,087 | 300 | 824 | 900 |
| Field Day Food | Aleks W3JAG | \$ 646 | 1,000 | 395 | 800 | 862 | 650 | 470 | 650 | 537 | 540 | - | - |
| Membership | Fred K3CSX | \$ 264 | 800 | 289 | 0 | - | 90 | - | 80 | 75 | 200 | 5 | 500 |
| Misc. | Aleks W3JAG | \$ - | 300 | - | 200 | 40 | 200 | - | 200 | - | 250 | 160 | 350 |
| Public Relations | Aleks W3JAG | \$ - | 300 | - | 400 | - | 150 | - | 150 | - | 300 | 295 | 500 |
| Public Service | Paul N3RQV | \$ - | 250 | - | 250 | 338 | 250 | - | 250 | 500 | 500 | - | 150 |
| Repeaters | Terry W3EDS | \$ 580 | 600 | 40 | 600 | 540 | 500 | 877 | 500 | 430 | 1,200 | 501 | 1,400 |
| Research, Exp./Studies | Aleks W3JAG | \$ - | 300 | - | 300 | - | - | - | - | - | - | - | 600 |
| Scholarship | Board | \$ - | - | - | 500 | - | - | - | - | - | - | - | 0 |
| Trailer Fit-out & Operation | Paul N3RQV AI NW2N | \$ 750 | 750 | 202 | 1000 | 407 | 500 | * 1,390 | 400 | 165 | 1,500 | 910 | 1000 |
| Website | David W2LNX | \$ 131 | 140 | 131 | 140 | 131 | 140 | 131 | 150 | 131 | 210 | 200 | 140 |
| Allocation to Replacement Fund | Board | \$ - | - | 500 | 500 | 500 | 500 | - | - | - | - | - | - |
| TOTAL | | 5,075 | 7,015 | 3,284 | 7,550 | 4,756 | 5,240 | 4,799 | 4,600 | 4,242 | 6,620 | 3,950 | 7,340 |
| Trailer Fit-out - Grant-funded | | | | | | | | - | | | | 3,900 | 3,900 |
| Grand Total | | 5,075 | 7,015 | 3,284 | 7,550 | 4,756 | 5,240 | 4,799 | 4,600 | 4,242 | 6,620 | 7,850 | 11,240 |
| * includes \$1,230 for purchase of radios for trailer | | | | | | | | | | | | | |

MARC FY 2023

Statement of Financial Position (i.e. Balance Sheet)

| | 2023 | 2022 | 2021 | 2020 |
|---|------------------|------------------|------------------|------------------|
| | <i>at Oct 30</i> | <i>at Nov 16</i> | <i>at Oct 31</i> | <i>at Nov 30</i> |
| Assets: | | | | |
| Cash in bank: | | | | |
| Truist Checking Account | \$ 662.69 | \$ 947.94 | \$ 1,648.27 | \$ 1,786.89 |
| Truist Savings Account | 8,733.10 | 9,020.96 | 6,175.16 | 3,834.08 |
| PayPal Account | 33.76 | - | | - |
| Total (Operating Fund) | 9,429.55 | 9,968.90 | 7,823.43 | 5,620.97 |
| Truist Money Market Account - - Reserve for Replacement (Emergency Fund) | 13,992.95 | 11,608.78 | 9,545.04 | 9,370.83 |
| Total Cash in bank | 23,422.50 | 21,577.68 | \$ 17,368.47 | \$ 14,991.80 |
| Equipment & Long-lived Assets (at roughly estimated fair value) | | | | |
| Repeaters & related equipment (masts, antennas, power, etc) | 29,220.37 | 29,008.85 | \$ 29,008.85 | \$ 19,600.00 |
| Trailer & attached equipment | 10,500.00 | 10,500.00 | 10,500.00 | 10,500.00 |
| Radio Equipment in Trailer | 1,229.85 | 1,229.85 | 1,229.85 | 1,229.85 |
| Service Monitor | 1,000.00 | 1,000.00 | 1,000.00 | 1,000.00 |
| Antenna & Mast Equipment | 850.00 | 850.00 | 850.00 | 850.00 |
| Coaxial transmission cables | 600.00 | 600.00 | 600.00 | 600.00 |
| Digital Projector | 300.00 | 300.00 | 300.00 | 300.00 |
| Total Equipment | 43,700.22 | 43,488.70 | 43,488.70 | 34,079.85 |
| Total Assets | \$ 67,122.72 | \$ 65,066.38 | \$ 60,857.17 | \$ 49,071.65 |
| Liabilities & Net Assets: | | | | |
| Liabilities | | | | |
| Prepaid Membership Dues and contributions | - | 266.00 | | \$ 315.00 |
| VISA Card balance payable | 529.64 | | | |
| Net Assets: (Club Reserves): | | | | |
| Unrestricted Operating funds | 9,429.55 | 9,968.90 | 7,823.43 | 5,305.97 |
| Restricted purpose funds - Reserve for Replacement (aka Emergency) | 13,992.95 | 11,608.78 | 9,545.04 | 9,370.83 |
| Non-cash reserves (equipment) | 43,700.22 | 43,488.70 | 43,488.70 | 34,079.85 |
| Total Liabilities & Net Assets | \$ 67,122.72 | \$ 65,066.38 | \$ 60,857.17 | \$ 49,071.65 |

**Repeater
Committee
Terry W3EDS**

Activities

- **K3CSX and NW2M work on 2m repeater constellation at main and north sites as needed to mitigate interference.**
- **K3CSX has the CAT-200 controller and interface cables, along with a Fusion repeater and maintains all of the control/controller.**
- **Joe AC3JM continues to work on the nagging poor connectivity problem between the DSTAR repeater and the 062A DSTAR reflector.**

Activities (Cont.)

- **A new RF power amplifier has been installed on our existing 955 analog repeater. This also includes a new linear power supply.**
- **At the request of our landlord, a new Dell server was procured for \$2700 and installed in the DSTAR repeater at the north site.**

Activities (Cont.)

- **We are monitoring Great Scott Gadget's progress in the design and fabrication of their proposed Universal Radio Test Instrument. This is a modest cost test instrument that, if realized, would be a big help for amateur analog and digital repeater maintainers everywhere.**

Activities (Cont.)

- **Next year we will attempt to connect the current Yaesu DR-2X repeater serving as our 70cm repeater at the main site to the Internet so we can enable this device's full Yaesu Fusion capabilities.**
- **A new club member, Nick N3CNO, has joined MARC's repeater maintenance team.**

Activities (Cont.)

- **We have procured but have not yet received a work platform for Rohn series 25 antenna towers. We intend to loan this out on an as needed basis to club members for use in maintenance of antennas installed on those type of towers. Note: MARC already has a work platform for Rohn series 45 towers.**

**Education
Committee
David W2LNK**

Activities

Respond to emails posted on education@marclub.org:

- **General info on getting a ham license**
- **How to prepare for a ham radio test**
- **Where to take a ham test**
- **Test session registration**
- **Answering questions from new hams**
- **Assistance in setting up a station**



Test Sessions

- **Organized and conducted test session Sunday at Field Day 2023**
- **Scheduled test sessions for 2024:**
 - + **Sunday, March 10 -- Rockville Science Center**
 - + **Sunday, June 23 -- Field Day**
 - + **Sunday, September 15 -- Rockville Science Center**
 - + **Sunday, December 15 -- Rockville Science Center**

Mentoring

- * **Tom, K1FEX - set up his KX2 to use digital modes**
- * **Ellen, KC3MJV - training on using IC-718 and digital modes**
- * **Joe, AC3JM - tested D-STAR repeater using his mobile radio and base antenna**
- **Kiyoma, KC3UFG, Jasmine KC3UGU and Don KC3UHY**
 - **Training to use Ten-Tec on digital modes**
 - **Prepared to collect propagation data during October 7 solar eclipse**



**Science Center /
MARC Activities
Howard KC3LUE**

Science Center Activities with MARC

- MARC at the Seneca District (Montgomery County) Annual Fall Scout Camporee in October 2023**
- Location: Walkersville Watershed Scout Camp, Walkersville MD.**
- Adults and co-ed youth amateur operators from MARC and the Frederick Amateur Radio Club demonstrated and ran Amateur Radio activities**
- Activities included having Scouts do a Fox Hunt and speak to other radio amateurs.**
- About 350 Scouts and their leaders had a blast learning about Amateur Radio.**

Science Center Activities with MARC (Cont.)

- **Upcoming MARC Radio License Testing at the Rockville Science Center, Rockville MD**
- **David Bern W2LNX will be running Radio License Testing at the relocated Rockville Science Center Makerspace in Rockville Town Center.**
- **Test dates at Rockville Science Center are:**
 - **Sunday, March 10**
 - **Sunday, September 15**
 - **Sunday, December 15**

Science Center Activities with MARC (Cont.)

- ***Demonstrating STEM to public*** - MARC was invited to join the Rockville Science Centers Big Top at the Fair's KidsZone.
- The space was shared by the Rockville Science Center, Boy Scouts of America, Montgomery College, and MARC.
- Howard Lichtman KC3LUE, along with onsite and remote MARC member demonstrated operation of the MARC Repeater for the public over a five day period.

**More Scouting with
MARC -
The Radio Merit Badge
Howard KC3LUE**

Radio Merit Badge Instruction

- **Location - Field Day 2023 – Damascus Volunteer Fire Department Activities Center**
- **Contributing Partners:**
 - **The Damascus Volunteer Fire Department (DVFD)**
 - **The Damascus Emergency Communications Team (DECT)**
 - **The Rockville Science Center The Seneca District of the Boy Scouts of America**

Background

- In late 2022, the Rockville Science Center advised MARC of demand to help Boy Scouts earn the Radio Merit Badge.
- **The Radio Merit Badge is one of the more difficult merit badges** because of its technical nature and the requirement for an on-site visit to a radio installation and the requirement to make an amateur radio contact.
- MARC and the Rockville Science Center devised a program in which a Scout could **complete all requirements for the Radio Merit Badge at the 2023 MARC/DECT Field Day operation.**
- The Rockville Science Center and the Seneca District publicized the program. The Rockville Science Center took registrations for the program.
- The program was conducted during the DECT/MARC Field Day operation on Saturday, June 24, 2023, by MARC members under the supervision of the Seneca District.

Radio Merit Badge Instruction

- MARC members conducted **three one-hour blocks of instruction** using a PowerPoint presentation provided by the Boy Scouts of America and instructional materials prepared by MARC members.
- MARC members and DECT members manned five of the eight Field Day operating positions plus the GOTA station to give **every Scout mentoring and experience in operating an amateur radio station.** This fulfilled the requirement for an on-site visit to a radio installation and the requirement for an Amateur Radio contact.
- **MARC provided lunch, snacks, and beverages to the Scouts.**

Results

- **Forty-three Scouts**, accompanied by their parents, attended the program.
- **One Scout** came from the Bronx, New York, one Scout came from Pennsylvania, and the other forty-one Scouts came from Maryland and Virginia.
- **Forty Scouts earned their Radio Merit Badge** at the MARC/DECT Field Day operation. The other three Scouts were expected to complete the requirements for their Radio Merit Badge in the near future.

Vision

- **The Rockville Science Center and the Seneca District have advised MARC that there is sufficient demand for the Radio Merit Badge to warrant conducting this program at MARC/DECT Field Day operations for the foreseeable future.**
- **MARC intends to make this Radio Merit Badge program a regular feature of all future MARC/DECT Field Day operations.**
- **MARC anticipates that forty Scouts will earn their Radio Merit Badge at each future MARC/DECT Field Day operation.**

**Public Service
Events
Committee
Paul N3RQV**



In 2023, attendance at Public Service Events was on the increase. Twenty four MARC members worked at nine Public Service Events covering 74 positions.

- Pikes Peek 10K
- Damascus Days Parade
- Riley's Rumble Half Marathon
- Tour de Frederick
- Parks Half Marathon
- Damascus Crop Walk
- Georgetown Lombardi Cancer Center Bike Ride
- Marine Corps Marathon
- Rockville 10K/5K



MARC thanks all those members who supported these events. We look forward to an active Public Service Events calendar in 2024.

**Trailer Operations
Committee
Paul N3RQV**

Progress To Date

- **Club approved \$6,500 for new trailer**
- **Took possession in Dec 2017 and made many improvements with \$3,900 BG&E grant and \$2,000 in club member donations to include:**
 - ✓ **ALM-31 mast**
 - ✓ **Honda EU2200i generator**
 - ✓ **Storage enclosure**
 - ✓ **HD-73 rotor**
 - ✓ **Grounding**
 - ✓ **Wire-frame storage system installed.**
 - ✓ **8' wide operating position. 12V + 120V inverter.**
 - ✓ **Active solar and battery system. 115W + 200Ah battery.**
- **Trailer is now six years old!**
- **Field Day 2023 another great success!**

Progress To Date (Cont.)

- **Trailer Committee transitioned to Trailer Operations Committee (Paul N3RQV lead) in 2023 to:**
 - **Expand the number of MARC members knowledgeable about trailer capabilities**
 - **Increase use of the trailer in local activities/events**
 - **Ensure necessary equipment and supplies are available in the trailer to conduct local, state-wide and national communications.**
- **Trailer days in May 2023:**
 - **Identified the need for a VHF/UHF operating position – work begun in 2023.**
 - **Began testing coax cable accumulated in trailer.**

Projects 2024

- **Previously identified work delayed by supply chain issues:**
 - **Ladder access to roof**
 - **Non-slip roof**
 - **Possible AC/heat unit**
- **Current needs:**
 - **Replace failed batteries and associated electric system components**
 - **Complete VHF/UHF operating position**
 - **Install new floor covering**
 - **Integrate new LMR coax donated to MARC**
 - **Sort donated HF radios into deployable units**



MONTGOMERY ARC
EMERGENCY COMMUNICATIONS TRAILER



EMERGENCY



TUNE IN THE WORLD

June 24-25, 2023

10th ANNUAL JOINT FIELD DAY
Montgomery Amateur Radio Club and
Damascus Emergency Communications Team
Held at the Damascus Volunteer Fire
Department



Overview

- **Approximately 40 hams and over 130 public visitors attended (including scouts and their parents on Saturday and FCC-exam takers on Sunday).**
- **238 contacts made using various radio modes (Voice, CW and digital).**
- **New antennas, masts, and safety features were installed this year.**
- **Local communications was provided by 2M radio.**
- **Visitor's station provided information and handouts to the public.**

Overview (Cont.)

- **Field Day hams conducted Scout Radio Merit Badge instruction. 43 scouts attended, 40 earned the badge.**
- **Accredited FCC examiners conducted exam for Amateur Radio License. 6 took test, 4 passed.**
- **Complimentary food and refreshments, locally procured, was provided to all attendees.**

Volunteers make this event possible

**Ed KB3CJJ
Aleks W3JAG
Ken K3YEE
Ron KB3SYA
Ellen KC3MJV
Marlin WA3HEM
John K3LO
Marc N4DR
Dave N3ADE
David W2LNX
Ken KC3MIX**

**Will K3XIT
Mau N3MAU
Dennis KD6DPR
Joe KB3KGA
Hank N3ESR
Diane KC3JFN
Pat KA3NJW
Nancy W3NNN
Glenn KC3CNT
Bruce AC6O**

Stations

- **8 Radio stations (6HF, 1 GOTA, 1VHF)**
- **5 HF antennas (EFLW, Triband dipole, Dual band dipole, 2 verticals)**
- **Hams operated on 10, 15, and 20 from the pavilion; 40 and 80 from the MARC Trailer; all bands from tent**



Scout Radio Merit Badge Instruction

- **In cooperation with BSA, designed and conducted three one-hour classes Saturday morning followed by hands-on mentoring at radio stations, giving every Scout real-world experience operating a radio station**
- **43 scouts, accompanied by their parents, attended from New York, Pennsylvania, Maryland and Virginia**
- **40 scouts earned their Radio Merit Badge**



FCC-ACCREDITED TESTING FOR AMATEUR RADIO LICENSE

- **Official FCC-accredited exam sessions conducted for Amateur Radio License on Sunday**
- **There were six test takers, one driving in from Dover, Delaware; one new Technician Class and three new General Class**



ALL ACTIVITIES, FOOD AND REFRESHMENTS FREE OF CHARGE



Hot Wash Observations

What was new this year?

- **Equipment and Installation features:**
 - **Fiberglass push-up masts**
 - **Wire antennas**
 - **Club owned dedicated band stations in the Pavilion**
 - **Utilization of surface wire grounding kits in pavilion**

Hot Wash Observations (Cont.)

Operations

- **Three club radio stations set up in pavilion, each dedicated to a separate band (10, 15 and 20) to accommodate members who do not have or did not bring their own rigs.**
- **Club trailer parked outside visitor's station of pavilion, operating 40/80 bands.**
- **Scout Radio Merit Badge training conducted on Saturday in cooperation with the local BSA Scouting organization.**
- **VE testing for FCC ham licenses on Sunday.**

Hot Wash Observations (Cont.)

What worked well?

- **Lighter, more easily installed wire antennas and fiberglass push-up masts**
- **Screw-in ground stakes with orange tape to cordon off antenna fields**
- **Club radio stations in Pavilion allowed members operate. Also provided “hands on” portion of the merit badge requirements.**
- **Scouts merit badge classes were well organized and attended. Kudos to David W2LNX, John K3LO, Will K3XIT and Mau N2MAU for their hard work and dedication.**

Hot Wash Observations (Cont.)

What worked well (cont.)

- **Surface Wire Grounding Kits (SWGK) simplified the grounding process in the pavilion**
- **Food and drinks were provided for all attending – including members, scouts and their families and visiting VIPs, which kept everyone adequately hydrated and nourished throughout the hot summer weekend.**
- **License tests on Sunday morning were well attended. Accredited FCC examiners conducted exam for Amateur Radio License.**

Hot Wash Observations (Cont.)

What needs to be revisited?

- **Antenna setup on Saturday - pavilion is too crowded for safe and efficient antenna assembly and erection.**
 - **All antenna set-up to be accomplished on Friday of Field Day weekend.**
- **Use of new, untested equipment – untested equipment/antennas can cause needless delays, distractions and unsafe conditions**
- **FD is not test day. Only equipment that has been previously assembled and tested will be allowed at FD.**

Hot Wash Observations (Cont.)

What needs to be revisited (cont.)

- **Club station rigs - too many different club station configurations causing delays and leading to equipment being damaged in untrained hands.**
 - **Standardized make/model of trailer radios to simplify familiarization for members.**
 - **Rigs should be simple and include, to the extent possible, automated features**
 - **Assemble standardized station equipment in permanent configuration and mount each in a Rack Case type Go Box (consistent with emergency preparedness objectives of FD)**
 - **All club radios should require familiarization training and certification of members for the radios they want to handle or operate.**
 - **Develop checklists for radio operations**
 - **Assign someone to put up and test each station prior to start of FD operations.**

Hot Wash Observations (Cont.)

What needs to be revisited (cont.)

- **Trailer electric system -**
 - **Trailer electric system needs full review / overhaul**
 - **Current trailer batteries are dead and need replacing**
 - **Need a different DC distribution panel in trailer. Current panel allows fuse to fall behind panel and may short the panel**

Hot Wash Observations (Cont.)

Recommendations

- **Use fused DC jumpers for DC power distribution**
- **DC to DC converters to run laptops in lieu of an DC to AC inverter**
- **Trailer batteries should be replaced with Lithium Iron Phosphate battery system. Not universal agreement, as several members concerned that Lithium Iron Phosphate batteries are too temperature sensitive for trailer use. TBD**

Fox Hunt

2023

Marc N4DR

Location and Operators

- **Held in the late spring of 2023**
- **The Fox was located at the Redgate Golf Course Park on a hilltop.**
- **Transmitter was a two meter FM programmable transmitter with 500 mw power output to a quarter wave vertical antenna mounted on a car**
- **Five groups participated**
- **"Hunters" were told the Fox was located within 1.5 miles of the Rockville Metro Station.**
- **Total time allowed was 2 hours.**
- **Three teams found the Fox.**



Lesson Learned

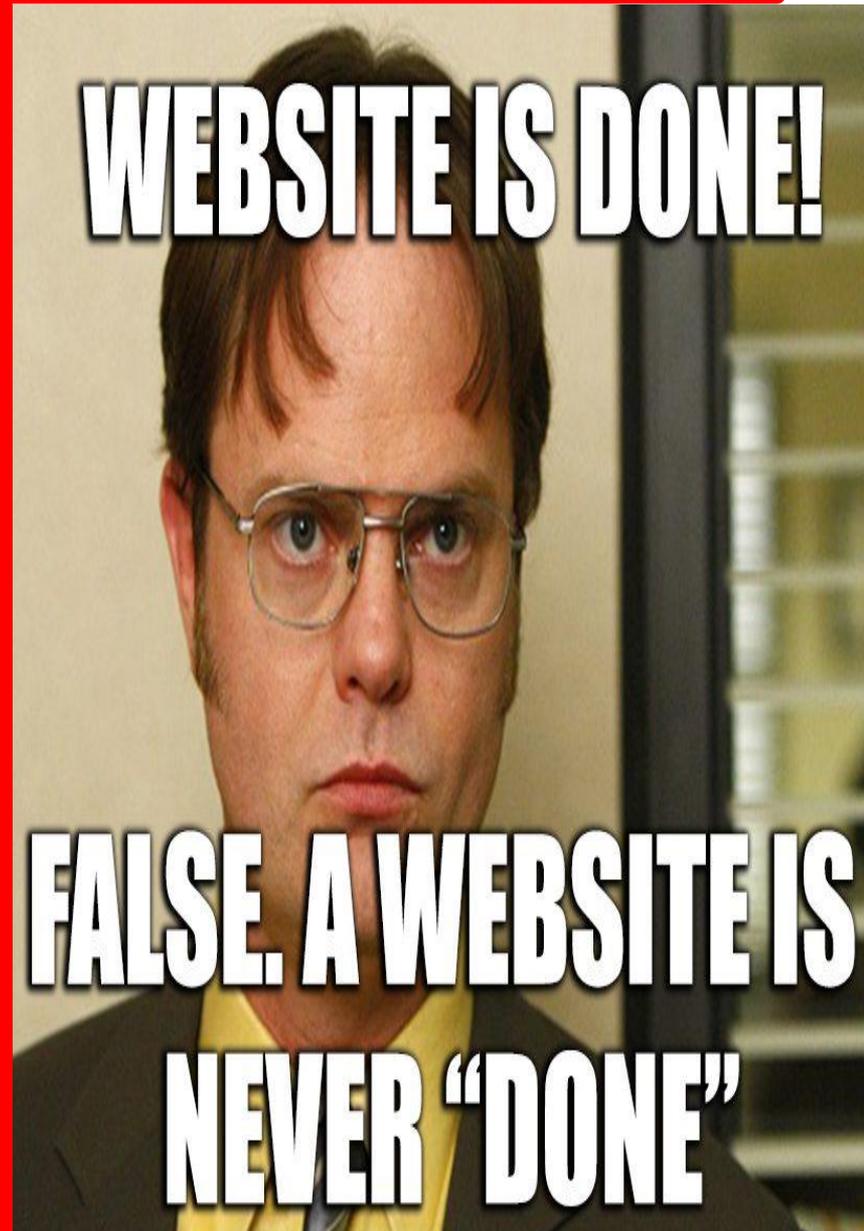
- **Several folks had very excellent gear, but were uncertain as to how to use it**
- **This led to needless delays and concerns**
- ***Lesson learn:* Need to hold a session to teach folks how to use their DF gear **BEFORE** the next Fox Hunt**



MARC Website
David W2LNX

Website

- **Secured Website SSL certificates and hosting package for five years***
- **Update Web page:**
 - ✓ **Meetings**
 - ✓ **Public service events**
 - ✓ **Education committee**
 - ✓ **Test sessions**
 - ✓ **Other changes as needed**



MARC Reflector

David W2LNX

Reflector

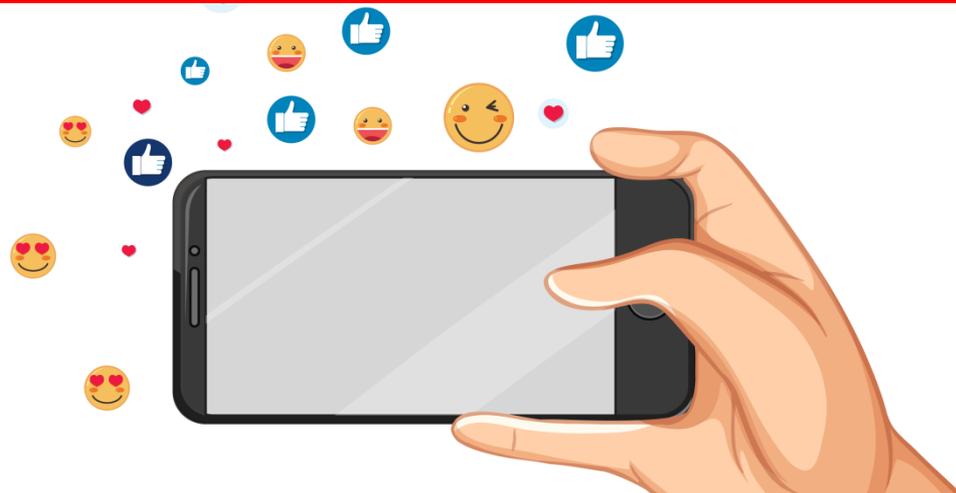
[Reflector - marc-md@marclub.org](mailto:marc-md@marclub.org) –

- **Monitor email reflector for requests to register + check callsigns**
- **Allow posts from neighboring ham radio clubs without registering* monitoring for spam**
- **Block email addresses of spammers**
- **Monitor for inappropriate postings not related to ham radio and MARC activities**
- **Some Club members have earned the Moderate status**
- **Postings reviewed by David, W2LNX and, as needed, by Aleks, W3JAG**

Social Media

Facebook Group – KV3B

- **Sixth year in operation (thanks to Robert K3RRR, who created this page for our club.)**
- **Great pics and discussion**
- **170 members**
- **Do not need to be a Facebook member to view posts (but need to be a member to post)**



MARC YouTube Channel



View our fun adventures at

<https://www.youtube.com/user/W3JAG>

MARC YouTube Channel

We are popular!
107 Videos Posted
876 Subscribers
104,300 Views



Presentations

Presentations at Regular Meetings

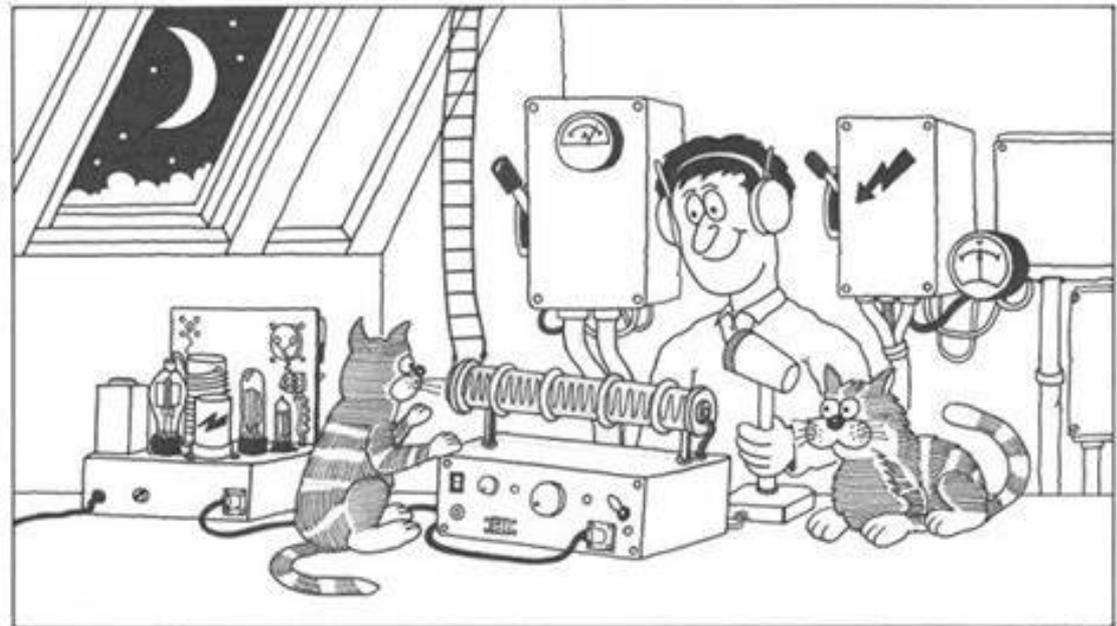
- After club business at regular meetings, we host interesting presentations by outstanding experts in Amateur Radio and related technology areas
- Most presentations are recorded and uploaded to our YouTube channel.
- In this way we gain knowledge and share it with others



Nets

MARC Regular Nets

- **Sunday Night Net**
 - **Popular Sunday night event**
 - **Builds net control skills while keeping up with friends**
- **Tuesday Night MCACS Net**
- **Skywarn Net**
- **Planning Nets**
- **Training Nets**
- **6 Meter Net**



Thanks for the Great Support!

- **Officers and Directors**
- **Members**
- **Experimenters**
- **Donators**
- **Attendees at regular club meetings**
- **Volunteers who**
 - Respond to Emergencies
 - Support public service events
 - Mentor and instruct new hams
 - Participate in exercises
 - Volunteer as test examiners
 - Present topics of interest at meetings

Can't do it without you!

**THUMBS UP AND
THANKS TO ALL
FOR A TERRIFIC 2023!**

