University of Michigan Amateur Radio Club: W8UM & W8AXZ

W8UM Student Officers; 2021 - 2022

President:	Kim Zwolshen	KE8QKU
V-President:	Kaleo Roberts	KE8TBP

Social Media: **Vacant**
Website: **Vacant**

W8UM Trustee: Mark Travaglini, WD8DPA
W8AXZ Trustee: Michael Fluegemann, KE8AQW
Faculty Advisor: Amir Mortazawi, PhD., AC8YB

W8UM Meeting Dates

September 02, 2021	Student Open House
September 16, 2021	Room 1303 EECS
October 21, 2021	Room 1303 EECS
November 18, 2021	Room 1303 EECS
December 16, 2021	ZOOM
January 20, 2022	**ZOOM ONLY**
February 17, 2022	Room 1303 EECS / ZOOM
March 17, 2022	Room 1303 EECS / ZOOM
April – August	**Summer Break – No Mtgs.**

Officer Nominations: February Meeting
Club Officer Elections: March Meeting

W8UM Club Events & Dates

Northfest	Monday, September 2, 2021 (Pierpont; 11-2pm)
Festifall	Friday, September 6, 2021 (Central; 2-6 pm)
ECE Open House	Monday, September (5-7:30 pm)
KB6NU 1-Day Class	Saturday, September
Collegiate QSO	Saturday, September 19, 2021
ARRL School Club	Week of October 19-23, 2021
ARRL CW Sweeps	November 7-9, 2021
ARRL Phone Sweeps	November 21-23, 2021
KB6NU 1-Day Class	Saturday, January xx, 2022
NA QSO Party (CW)	January 9-10, 2022 2nd Full wknd in January
NA QSO Party (SSB)	January 23-24, 2022 3rd Full wknd in January
(North America Collegiate Championship)	
Winter Field Day	Last Weekend in January 30-31, 2022
ARRL School Club	Week of Feb 8-12, 2022
Ann Arbor City Mar.	March 21, 2022
Mi QSO Party	April 3, 2022
ARRL Field Day	Saturday, June 26-27, 2022
One Helluva Ride	Saturday, July 11, 2022

W8UM Sunday Night Net (8 pm Ann Arbor time): 145.23 MHz, PL 100 Hz (-.600 MHz) or via EchoLink Node 301158 (W8UM-R)

Amateur Radio Club **Virtual ONLY** Meeting Agenda for:
Thursday, January 20, 2022

Meeting Time: 6:30 pm (Local Time / Eastern Time Zone)
Via ZOOM ONLY & ~~Room 1303 EECS Lecture Hall~~

Link to Join Zoom Meeting: https://umich.zoom.us/j/6621123647

Visit W8UM on:
Facebook: https://facebook.com/groups/329930310446470
Website: https://umarc.eecs.umich.edu

Guest Speaker: Bob Bruninga is under the weather. Lynn Defenbaugh, KJ4ERJ, Author of APRSISCE for Windows, has agreed to speak on Bob's behalf.

APRS Wiki Link: https://en.wikipedia.org/wiki/Automatic_Packet_Reporting_System

Topic: APRS; Automatic Packet Reporting System

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1. **President's Welcome**
2. Treasurer's Report
3. Station Manager's Report

Treasurer's Report:

Balance (12/13/2021):	$	6677.39
Revenues (equip. sales):	$	0.00
Donations (Item 5a):	$	602.00
Less Expenses: (Item 5b):	$	10.00
Balance (01/13/2022):	$	7269.39
Insurance Claim (12/2021)	$	

Station Manager's Report:

EECS Location:

Radio's:	TS-590/FT-1000D/IC-910/IC-746/APRS/FT-8800
Antenna's:	
Tower:	~~SteppIR (6-40M),~~ 2M Yagi, 70cm Yagi, Discone
Wires:	80M, Barker & Williamson (6-160M)
Verticals:	10-20M, 10-40M, 2M (APRS)
Satellite:	Circular Polarized Yagi; 2M & 70cm

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Field Day:	3-Element SteppIR & 3-Element Mosley w/ 40M Circular Polarized 2M & 70cm Satellite Yagi
Tower Cam:	EECS Tower Cams: operational
Towers:	40' tilt-over Tower (in storage)
Trailer Tower:	35' Tower w/ 3-L SteppIR, Controller & Rotor
Weiser Hall:	145.23 repeater w/ EchoLink operational
Mich. Union Roof:	20' Tower & antennas removed August, 2019

4. Prior Business / News:
   a. ARRL Test Sessions; 2nd Saturday of each month. Contact ARROW Comm.,
   b. Volunteers wanted for positions at W8UM: Website, Social Media…
   c. Open Shack Nights / SWL Open House: anyone interest in leading / organizing / scheduling?
   d. Peach Mountain Observatory Restoration: update / interest list created
   e. Any interest in initiating a SDR Research Participation Group?
   f. Any interest in taking the lead on a MOTUS Research Group (UHF Bird Tracking Program)?
   g. **W8UM WSPR Beacon**: Beacon is on the air; 10-40M. View weak signal (0.02w) band propagation from Ann Arbor**.** **http://wspr.rocks/?action=fetch&balloons=hide&rxCall=&txCall=W8UM&count=500&mode=All&band=all&hours=4&unique=false&advanced=**

5. W8UM / W8AXZ Contributions / Expenses / Donations:
   a. Generous Monetary Contributions / Financial Support Received:
      1. Mitch Kuch
      2. Ralph Katz
      3. Larry Rogers
      4. Jan Arcuri-Otis
      4. Don Winsor
      5. John Glazko
      6. Doug Cox
      7. Amir Mortazawi

   b. Club Purchases / Expenses: **$10.00**
      1. Pizza / Beverages $ 0.00
      2. WinterFest Registration $ 10.00
      3. Palstar HF Auto-Tuner (pending)
      4. SteppIR Urban-Beam 6-40M Antenna (pending)

   c. Equipment Donors:
      1. Jim Kortge

   d. Donated Equipment / Radios Received:
      1. Central Electronics 458 VFO
      2. Central Electronics 20A Exciter

6. **Support W8UM / W8AXZ Activities**: Food, Radio Repairs, Upgrades, Purchases, Tower & Antenna Maintenance
   Financial Support / Donations Accepted from all (non-students) individuals with an amateur radio call sign. Students are Free.
   Credit Cards & Payroll Deduction accepted via the W8UM website below:
   http://umarc.eecs.umich.edu/index.php/support-your-favorite-u-m-student-club/pay-dues-online/

7. **Covid-19: Student Organizations Rules for In-Person Events / W8UM Shack.** **UPDATE for 2022 WINTER Semester**
   The following safety measures apply for all in-person gatherings, activities, events, programs, practices, rehearsals, competitions, and/or meetings hosted by recognized student organizations (RSOs).
   - **Indoor campus events must adhere to UMich Public Safety Rules.**
   - **Club Meetings will be "in-person" and on ZOOM**
   - **Shack Use: Masks must be worn when room is occupied.**
   - **Must download & complete the ResponsiBLUE Screening App and obtain a "Passed" for entry on campus. Additional info can be found on the Screening App**

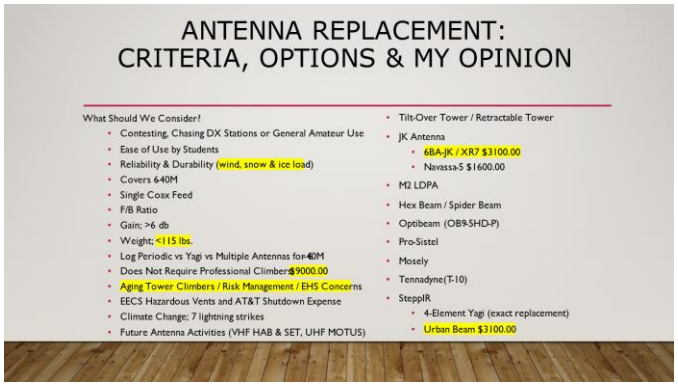
- **Must be Vacinated & Boosted**

8. Scholarships available to UMich Students:

a. ARRL Scholarship: Link: **www.arrl.org/scholarship-application**
b. Foundation for Amateur Radio (FAR): Link: **https://www.farweb.org**
c. Amateur Radio Digital Communications (ARDC): Link: **https://www/ampr.org/giving/**
d. Ford Motor Company Heritage Scholarship**:** Link: **https://www.fhnus.org/heritage-scholarship-michigan**

9. **W8UM Tower & SteppIR / Antenna Update:** Decision made to purchase the SteppIR Urban Beam 6-40M antenna & Palstar Auto-Tuner

10. **W8UM Radio Restoration Group:**
    a. Restoration of the RME-69 Receiver; Repairs Completed 12/17/2021. Article submitted to ARRL for publication; 12/2021.
    b. **Next Project**, Collins KWM2; spurious oscillations in the IF / RF stages
    c. Please contact W8UM.Radio.Restoration.Group@umich.edu for "exact" dates / times of future restoration meetings and projects.
    d. W8UM has both a Hickok & EICO tube testers available for use & over 1200 tubes, assorted radio knobs & capacitors available.





11. **High-Altitude Balloon "Live-Tracking" Program:**
    1. 12/18/2021: Successful RF tracking of 5 MBuRST Balloons using the W8UM satellite antennas. Balloons simultaneously tx'd on 144.390 & 144.350 MHz.
    2. Timestamp added to the data file
    3. Article in preparation to QST 01/2022

12. **ISS SSTV:** images received at W8UM **on 12-26-2021**







13. **Winter Field Day: January 29-30, 2022. Will be at the Brighton State Recreation Area. Please contact John W, WA8TON, at jwasciuk@gmail.com for more info. Must be Vacinated.**

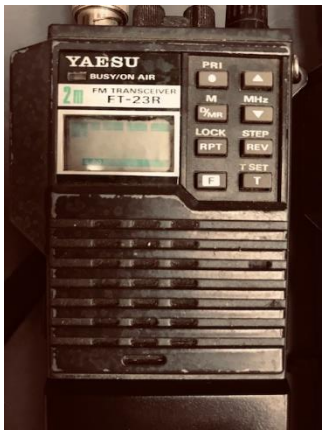
14. Any interest in creating / leading a SDR for Engineering Students program?

15. **Livonia ARC Swap: SUNDAY**, February 26,2022. **NEW LOCATION: VFW Post 345, 27345 Schoolcraft Road, Redford, MI. Tables $20 Gen Admission $5**

16. **W1AW / ARRL Headquarters:** if visiting Connecticut and wish to operate from W1AW, please contact Bob, NQ1R@arrl.net, to arrange.

17. **ITEMS for Sale;**
2, ICOM FT-23R 2M HT's w/o battery or charger. $9 each

1, ICOM FT-33R 220MHz HT w/o battery or charger. $9 each







18. **W8UM Shack Access**: If interested in obtaining a "Shack Access Code", that provides you with unlimited room access, please contact W8UM at W8UMBoard@umich.edu

19. **Shack Orientation & Access Key:**
    1. Kaleo Roberts

20. **W8UM / W8AXZ Invited Speakers for the 2021-2022 school year:**

Sept.	Fred Lloyd, AA7BQ
Oct.	Bob Heil, K9EID
Nov.	Kristen McIntyre, K6WX
Dec.	ICOM, Japan
Jan.	Bob Bruninga, WB4APR
Feb.	Tony England, W0ORE
Mar.	University Lowbrow Astronomer Jeff Kopmanis

21. **W8UM Sunday Night Net; Control Ops:**

12/19/2021	Stuart Carlson, W8SRC
12/26/2021	Matt Undy, WS8U
01/02/2022	Matt Undy, WS8U
01/09/2022	Matt Undy, WS8U
01/16/2022	Pat SEitzer, WA4DSR

22. **Members / Alumni:** If you plan to visit Ann Arbor and would like to tour or operate from W8UM please contact W8UM in advance at W8UMBoard@umich.edu to arrange.

23. **UMich ARC Sunday Night Net 8pm local time**: if outside of Ann Arbor, sign-on to EchoLink using the Android, i-Phone or computer apps. Net is open to ALL licensed individuals.



iPhone screenshot

Download the FREE EchoLink app to connect to the W8UM repeater (145.230 MHz).

1. Call-sign verification may take minutes to several days
2. Search for W8UM and save to Favorites
3. Press Connect
4. Tap Transmit, on your iphone/android, to talk & Tap the screen to stop TX
5. Disconnect from the W8UM Repeater by tapping END
6. **Follow the same process to connect to repeaters throughout the world.**

24. Attendance (December, 2021): Attendance: 20 ZOOM: 20 In-Person: 0 Students: 3

25. Open Discussions / Comments / Audience Announcements:

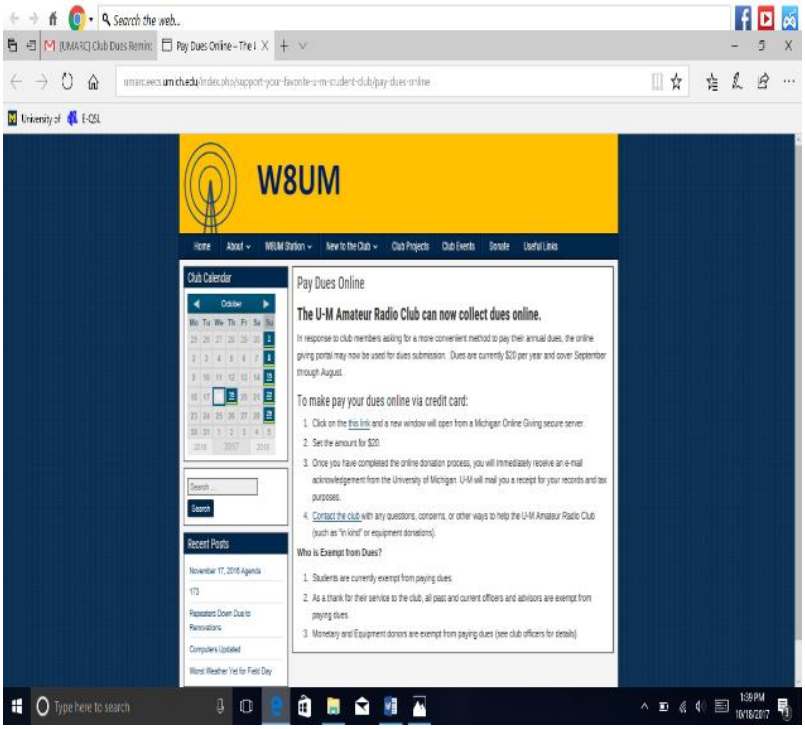
26. Monthly Presentation: Described Above.

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W8UM ARC President or Designee

To make a monetary donation to support W8UM, please use the link below.

http://umarc.eecs.umich.edu/index.php/support-your-favorite-u-m-student-club/pay-dues-online/a



W8UM Meeting Location:

Electrical Engineering & Computer Science Building

Address: 1301 Beal Ave.

ZIP: 48109



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Virtual Meetings until further notice due to COVID-19 campus restrictions

Engineering Campus Visitor & Employee Parking Lots

Hayward Street: Lot NC 20

FREE after 5 pm weekdays & weekends or anytime with a UM Parking Pass.
*** **Barrier Free Access** thru the DOW Bldg into the 3rd Floor EECS Bldg.

Hayward Street: Lot NC 48

FREE after 5 pm weekdays & weekends or anytime with a UM Parking Pass.
VISITOR parking is $1.80 / hour (coin or credit card) before 5 pm
*** NOT Barrier Free Access to EECS

Murfin Street / Walgreen Drama Center: Lot NC 27

FREE after 8 pm weekdays & Sunday only or anytime with a UM Parking
VISITOR parking is $1.80 / hour (coin or credit card) before 8 pm
*** **Barrier Free Access** thru the courtyard to the EECS Bldg.

Beal Street: Lot NC 60

FREE after 5 pm weekdays & weekends or anytime with UM Parking Pass (GATED LOT).
*** **Barrier Free Access** along the East Side of EECS Bldg.