University of Michigan Amateur Radio Club: W8UM & W8AXZ

W8UM Student Officers; 2020 - 2021

President: Michael Fluegemann KE8AQW
V-Presidents: Cameron Blocker KG5LVQ
Max Difazio KE8NBZ

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 08, 2020	Student Open House
September 24, 2020	ZOOM Mtg.
October 15, 2020	ZOOM Mtg.
November 19, 2020	ZOOM Mtg.
December 2020	**No Scheduled Mtg., Exam Week**
January 21, 2021	ZOOM Mtg.
February 18, 2021	ZOOM Mtg. (Solicit Nominees)
March 18, 2021	ZOOM Mtg. (Club Elections)
April – August	**Summer Break – No Mtgs.**

W8UM Club Events & Dates

Northfest	Monday, September 2, 2020 (Pierpont; 11-2pm)
Festifall	Friday, September 6, 2020 (Central; 2-6 pm)
ECE Open House	Monday, September (5-7:30 pm)
KB6NU 1-Day Class	Saturday, September Room 1303 EECS
Collegiate QSO	Saturday, September 19, 2020
ARRL School Club	Week of October 19-23, 2020
ARRL CW Sweeps	November 7-9, 2020
ARRL Phone Sweeps	November 21-23, 2020
KB6NU 1-Day Class	Saturday, January xx, 2021
NA QSO Party (CW)	January 9-10, 2021. 2nd Full wknd in January
NA QSO Party (SSB)	January 23-24, 2021. 3rd Full wknd in January
	(North America Collegiate Championship)
Winter Field Day	Last Weekend in January 30-31, 2021
ARRL School Club	Week of Feb 8-12, 2020
Mi QSO Party	April 3, 2021
Ann Arbor City Mar.	March 21, 2021
ARRL Field Day	Saturday, June 26-27, 2021
One Helluva Ride	Saturday, July 11, 2021

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

W8UM Amateur Radio Club Virtual Meeting Agenda for **Thursday, February 18, 2021**

Meeting Time: 6:00 pm (Local Time)

VIA ZOOM

Link to Join Zoom Meeting
https://umich.zoom.us/j/6058262480?pwd=dngyS09zVUFMZjRqakpmelZZYXJxZz09

Meeting ID: 605 826 2480
Passcode: leader

Speaker: Michael Fluegemann, KE8AQW. W8UM Club President Topic:
Topic: Straight Key Century Club

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

Treasurer's Report:

Balance (01/13/2021):	$	6087.49
Revenues (equip. sales):	$	0.00
Donations (Item 5a):	$	2.00
Expenses: (Item 5b):	$	0.00
Balance (02/13/2021):	$	6089.49

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, G5RV (6-80M)
Verticals: 10-20M, 10-40M, 2M (APRS)
Satellite: Circular Polarized Yagi; 2M & 70cm
Tower Cam: EECS Tower Cams: operational

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Field Day Use: 3-Element SteppIR & 3-Element Mosley Circular Polarized 2M & 70cm Yagi
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, 2018

4. Prior Business / News:
   a. ARRL Test Sessions; 2nd Saturday of each month at the Washtenaw County Red Cross Bldg. Contact ARROW,
   b. Volunteers wanted for positions at W8UM: Website, Social Media…
   c. Open Shack Nights / SWL Open House: anyone interest in leading / organizing / scheduling?
   d. ARRL Scholarships available to Students: **Application Deadline is January 30, of each year.**
   e. Peach Mountain Observatory Restoration: update / interest list created
   f. SDR Purchase: Consideration towards purchasing a SDR; HackRF / Red Pitaya / Flex / other?
   g. **Dayton Hamvention: Event is Cancelled for 2021**

5. W8UM / W8AXZ Contributions / Expenses / Donations:
   a. Generous Monetary Contributions / Financial Support Received:
      1. Mitch Kuch

   b. Club Purchases / Expenses: **$ 0.00**
      1. Pizza / Beverages $ 0.00
      2.

   c. Equipment Donors:
      1. None

   d. Donated Equipment / Radios Received:
      1.

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 2021 Winter Semester, 02/2021**
   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).
   - Any in-person activities/gatherings/meetings/rehearsals/practices/competitions/etc planned for the duration of the MDHHS Order must be shifted to a virtual setting.
   - **Indoor events must adhere to public safety measures of 6' of physical distance.**
   - **Shack use is limited to 2 individuals at this time.**

8. **Nominations for W8UM Student Leadership:** Any students interested in assuming a leadership position with W8UM for the 2021-2022 school year? Submit your name to W8UMBoard@umich.edu or contact Michael.

9. **Round Table of Collegiate Amateur Radio Clubs:** For the last year, an ad-hoc group of ARRL Section Emergency Coordinators have presented training sessions on Zoom twice a week. Wednesday sessions are of general Amateur Radio interest and Thursday's sessions are of interest to ARES / RACES / ARPSC / EmComm. A list of previous presentations and links to recorded videos are available at: http://tiny.cc/ratpac-list. For additional info, Contact Ralph, AA8RK. Next Collegiate meeting is 03/25/2021. More details as they become available. Participants: UMich, MSU, Virginia Tech & Case Western Reserve.

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10. **Any Volunteers**: Interested in presenting a topic to the W8UM Membership?

11. **UMARC QSL Cards Currently for Sale on Ebay**:









12. **W8UM History Project**: Brief story about the 1915 UM Chief Radio Operator Dudley Nichols, the formation of the ARRL and the Pro-Sports Hall of Fame. (Attachment to Agenda)

13. **W8UM Radio Restoration Group:**
    a. Shack use is currently restricted. No repairs are taking place.
    b. Please contact W8UM.Radio.Restoration.Group@umich.edu for "exact" dates / times of future restoration meetings and projects.
    c. **Tube Testing Service will be available soon.** W8UM has both a Hickok & EICO tube testers available for use and an assortment of replacement vacuum tubes.

14. **W8UM Vacuum Tube Collection:** Are you looking for a tube or do you have tubes that need to be tested? Contact the W8UM Radio Restoration Group at w8um.radio.restoration.group@umich.edu (Current Tube Inventory is Attached)

15. **Items for Sale by Private Owner:** Contact Tom, WB8IIA, at tntpeasley@att.net
    a. (4) ~~M2 440 MHz 18 element yagi $25 SOLD~~
    b. (1) ~~F9FT (Tonna) 144 MHz 17 element yagi $40 SOLD~~
    c. (1) ~~AM 6154 144Mhz 600w+ out (for 10w in) SSB amp (unmodified) $100 SOLD~~
    d. (1) ~~AM 6155 432Mhz 600w+ out (for 10 w in) SSB amp (unmodified) $100 SOLD~~
    e. (1) ~~Mosley Tribander disassembled (boom,elements and traps) SOLD~~

16. **Wind Damage to Trap Vertical:** will wait til spring to repair (photo)



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

01/17/2021 Stuart Carlson, W8SRC
01/24/2021 Dan Romanchik, KB6NU
01/31/2021 Pat Seitzer, WA4DSR
02/07/2021 Don Winsor, AC8TO
02/14/2021 Matt Undy, W8SU

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. **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.

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

Follow the same process to connect to repeaters throughout the world.

21. Attendance (January, 2021 Zoom Meeting): Attendance: 12 Students: 6 Alumni: Faculty/Staff: Non-UM:

22. Open Discussions / Comments / Audience Announcements:

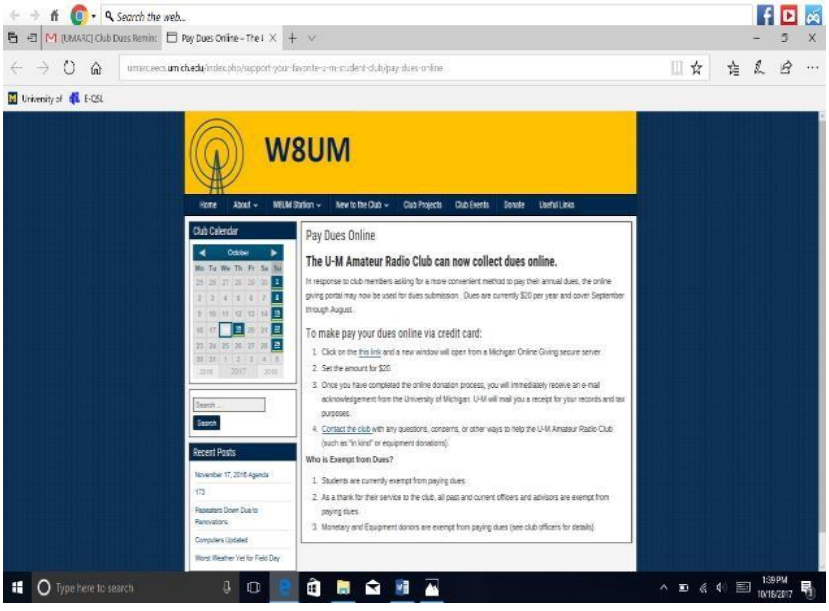
23. Monthly Presentation: Described Above.

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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



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Current Vacuum Tube Inventory:

Tray	Tube #	QTY	BLANK	Tray	Tube #	QTY
1	Pots	3				
2	316A	2				
30	2E22 / 2GK5	1		124	8B10	1
30	3H7	1		124	12AU7 / 12SA7	1
30	3GK5	1		124	12SG7	1
98	MISC. Tubes	3		125	12AX7	3
110	5CG8	1		125	12AT7	4
111	5U4GB	5		125	12B4A	1
112	5U4GB	1		125	12BH7A	2
115	6AQ5A	1		126	12X4	2
115	6AU5	7		126	25L6	1
115	6AU6	2		126	15BD11	1
115	6AU6A	1		126	17JZ8	1
116	6BA6	2		126	25L6GT	1
116	6BA8A	1		126	33GT7	1
116	6BW4	1		127	38HE7	1
116	6BL7	7		127	5OC5	2
117	6C4 / 6D4	2		132	816	2
117	6CB6A	3		132	885	1
117	6CG7	1		135	5642	2
117	6CL6	5		135	5651	1
118	6CS6	3		135	5693	1
118	6C4 / 6D4	5		135	5696	1
118	6DJ8	2		136	OA2	2
118	6EJ7	1		138	Capacitors	0
118	6F8	2		141	Transformers	2
119	6GE8	1		142	Relay; GH-2392-12E	4
119	6J6	10		142	Relay	5
119	6K6GT	2		144	Banana Conn.	

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119	6L6	3		150	SX-28 tubes	2018 repairs
121	6Q5G	1		151	SX-28 tubes	2018 repairs
121	6SJ7	6		160	**Grommets**	
122	6SN7GTB	6		170	**Lamps; 6v**	
122	6SN7	1		180	**Resistors**	
123	6T4	2		181	**Resistors**	
123	6V6	1		200	**Capacitors**	
123	6W4GT	1		201	**Capacitors**	
123	6X4	13		202	**Capacitors**	
124	7AG7	1				

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W8UM Meeting Location:

Electrical Engineering & Computer Science Building

Engineering Campus

Address: 1301 Beal Ave.

ZIP: 48109

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

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.