University of Michigan Amateur Radio Club

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 14, 2021	EECS Room
February 18, 2021	EECS Room (Solicit Nominees)
March 18, 2021	EECS Room (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, September 24, 2020**

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: Howard Bernstein, WB2UZE

Howard is the founder of the Long Island CW Club. 2 years ago, Howard and his friend Rich, K2UPS, noticed a severe lack of CW operators for Field Day. As a result they formed W2LCW which is now a booming success. They have appeared on many podcasts including Ham Nation, Dit Dit FM, and Ham Radio Now. They currently offer 50 classes everyweek and have over 800 members from all 50 states and 18 countries. Howard will speak to the W8UM Membership, via ZOOM, about the LICW Club and the next big thing with Morse Code. Please join Us!

2020-2021 W8UM Student Leadership News:

The University of Michigan Amateur Radio Club membership have elected graduate student Michael Fluegemann as its club president for the 2020-2021 academic year. Michael is pursuing a Master's degree in Electrical Engineering at the University of Michigan Dearborn Campus. As an undergraduate student, at The University of Alabama, Michael became interested in amateur radio and obtained his Amateur Extra license, KE8AQW. Michael enjoys Fox Hunting, CW and building electronics and antennas.



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Sharing the responsibilities of vice-president are students Cameron Blocker (KG5LVQ) and Max Difazio (W8MXD). Cameron is working on his Ph.D. in electrical engineering with a focus on signal processing. In his research, Cameron has been developing methods for sub-Nyquist sampling for applications such as MRI. Cameron has had his amateur radio license since 2016. Outside of the classroom he enjoys designing and building custom hardware.



Max (left) is studying Industrial and Operations Engineering with a minor in Computer Science. He became licensed during 2019 and enjoys using his mobile vhf / uhf transceiver to communicate to other radio operators. His outside interests include cars, computers, and Michigan sports.

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

Treasurer's Report:

Balance (02/15/2020):	$	5072.63
Revenues (equip. sales):	$	0.90
Donations (Item 5a):	$	241.19
Expenses: (Item 5b):	$	69.19
Balance (09/15/2020):	$	5243.53

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
Field Day Use:	3-Element SteppIR & 3-Element Mosley Circular Polarized 2M & 70cm Yagi
Tower Cam:	EECS Tower Cams: operational
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?

5. Contributions / Expenses / Donations:
   a. Generous Monetary Contributions / Financial Support Received:
      1. Mitch Kuch
      2. Steve McKelvey
      3. Ulrich Raschke
      4. Ivan Nordstrand
      5. Seven McKelvey
      6. John Palmisano
      7. Kit Ng

   b. Club Purchases / Expenses: **$ 69.19**
      1. Pizza / Beverages $ 69.19

   c. W8UM Equipment Donors:
      1. Chase Gaumond
      2. Rosemary Hotz (Edwin; SK)
      3. Jay Nugent (Corwin Moore; SK)

d. Donated Equipment / Radios Received:
   1. Baofeng HT
   2. Crosley 51-P Portable Receiver
   3. Zenith Trans-Oceanic Receiver (x2)
   4. Charles Freshman Receiver
   5. Ether-o-Dyne Crystal Receiver
   6. Heathkit Resistance Substitution
   7. Heathkit Condenser Substitution Box (x2)
   8. ICOM AD 55A 16vdc/1.5A Pwr Supply
   9. Radio Shack Microdonta SWR/Pwr Meter
   10. Radio Shack 13.6 vdc/3A Pwr Supply
   11. C. Brandes Headset
   12. Sony MDR XD-2000 Stereo Headset
   13. Astrom RM-35M Pwr. Supply (Rack Mount)

6. **Support W8UM 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. **2020 ARRL Scholarship Recipient:** W8UM President, Michael Fluegemann. Michael is the third club member to be awarded this scholarship. Contact Michael for application details.

8. **W8UM Radio Restoration Group:**
   a. 02/21/2020: Power cord replaced on Collins 516F-2 pwr. supply (x1). Unit had been recapped during 1970's.
   b. 02/25/2020: Calibration & alignment of the Collins KWM-2 & test AGC voltage
   c. 03/10/2020: Postponed / COVID-19
   d. 03/14/2020: WD8UPM Repeater: Power Supply repairs completed (varistors, transistors & calibrations); both power supply's were re-tested, on-site, and functioning. Repeater problems now center on the Repeater Controller (electrical / lightning damage). Controller repair is being performed by WB8TKL (Jay / ARROW Comm.)
   e. 08/10/2020: WD8UPM repairs nearly completed; emails indicate the controller undergoing testing
   f. **09/09/2020: WD8UPM (146.740) repeater repairs completed**, tested (25W) and on the Air! Thanks to the combined efforts of the W8UM Radio Restoration Group and ARROW Comm., Jay Nugent (WB8TKL) for completing this 14-month project. Sadly, Corwin Moore, WD8UPM, passed away on September 6, 2020 just 3 days before his repeater went back on the air.
   g. Of note - This year, 2 towers have been taken down of spouses who lost their husbands and repairs made to an antenna.
   h. Please contact W8UM.Radio.Restoration.Group@umich.edu for "exact" dates / times of future restoration meetings and projects

9. Updates to QRZ.com: The W8AXZ QRZ.com site has been updated with new, historical, content.
10. **W8UM Room Classification: COVID 19 Rules. (Shack is determined to be about 190 sq ft in size) How to Classify?**
    a. Reservable Instructional Classroom: requires 36 sq ft per occupant with 6' between
    b. Open Space Lab: requires 144 sq ft per occupant with 6' between
    c. Reservable Open Space Lab: requires 70 sq ft per occupant woth 6' between

11. W8UM Sunday Night Net; Control Ops:
    08/30/2020 Pat Seitzer, WA4DSR
    09/06/2020 Pat Seitzer, WA4DSR
    09/13/2020 Pat Seitzer, WA4DSR
    09/20/2020 Pat Seitzer, WA4DSR

12. 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

13. 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.

14. Local Hamfest Schedule

a.	Livonia ARC:	**Livonia**		
b.	Perrysburg, OH.	**Ohio**	Mar. 15, 2020	
c.	GMARC Tech Expo	Madison Hgts.	April 11, 2020	**CANCELLED – COVID-19**
d.	Michigan Crossroads	Kalamazoo	April 20, 2020	**CANCELLED – COVID-19**
e.	Dayton Hamvention	Xenia, OH.	May XX, 2020	**CANCELLED – COVID-19**
f.	Chelsea Swap	Chelsea	June XX, 2020	**CANCELLED – COVID-19**
g.	Adrian Hamfest	Adrian	Sept. 15, 2020	
h.	USECA Hamfest	Madison Hgts.	Oct. 27, 2020	

15. **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.



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.

iPhone screenshot

16. Attendance (March, 2020): Attendance: **0** **COVID-19** Students: Alumni: Faculty/Staff: Non-UM:

17. Open Discussions / Comments / Audience Announcements:

18. 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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W8UM Meeting Location: Electrical Engineering & Computer Science Building

Address: 1301 Beal Ave. Virtual Meetings until further notice due to COVID 19 campus restrictions

ZIP: 48109

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 Sttreet: 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.

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EECS Bldg., View from the Engineering Courtyard