University of Michigan Amateur Radio Club

W8UM Student Officers; 2019 - 2020

President:	Kit Ng	N9KIT
V-President:	Reid DesErmia	K8QP
Secretary:	Joshua Burg	KD9LRC
Repeaters:	Stuart Carlson	W8SRC
Website:	**Vacant**	
Social Media:	**Vacant**	

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

W8UM Meeting Dates

September 08, 2019	Student Open House: W8UM
September 20, 2019	EECS Room 1303
October 17, 2019	EECS Room 1005
November 21, 2019	EECS Room 1003
December 19, 2019	**No Scheduled Mtg., Exam Week**
January 23, 2020	EECS Room 1005
February 20, 2020	Chrysler Center (Solicit Nominees)
March 19, 2020	EECS Room 1005 (Club Elections)
April 16, 2020	EECS Room 1005
May – August	**Summer Break – No Mtgs.**

W8UM Club Events & Dates

Northfest	Monday, September 2, 2019 (Pierpont; 11-2pm)
Festifall	Friday, September 6, 2019 (Central; 2-6 pm)
ECE Open House	Monday, September 23, 2019 (5-7:30 pm)
KB6NU 1-Day Class	Saturday, September 28, 2019 Room 1303 EECS
ARRL School Club	Week of October 21-25, 2019
ARRL CW Sweeps	November 2-4, 2019
ARRL Phone Sweeps	November 16-18, 2019
KB6NU 1-Day Class	Saturday, January 25, 2020 (1311 EECS)
NA QSO Party (CW)	January 12-13, 2020. 2nd Full wknd in January
NA QSO Party (SSB)	January 19-20, 2020. 3rd Full wknd in January
Winter Field Day	Last Weekend in January 25-26, 2020
ARRL School Club	Week of Feb 11-15, 2020
Mi QSO Party	April 18, 2020
Ann Arbor City Mar.	May 20, 2020
ARRL Field Day	Saturday, June 29-30, 2020
One Helluva Ride	Saturday, July 14, 2020

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 Meeting Agenda for **Thursday, March 19, 2020**

Time / Location: 6:30 pm. **Room 1005 EECS**, 1301 Beal Ave.

Presenter: Fred Becchetti, Ph.D., W8ZLK
Emeritus Professor of Physics, College of LSA

Title: How Radio Amateurs Revolutioned Nuclear Physics and Medicine

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

Treasurer's Report:

Balance (02/15/2020):	$	5119.82
Revenues (equip. sales):	$	0.90
Donations (Item 5a):	$	22.00
Expenses: (Item 5b):	$	69.19
Balance (03/15/2020):	$	5072.63

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:	available for use w/ 3-L SteppIR, Controller & Rotor
Weiser Hall:	145.23 repeater w/ EchoLink operational.900 MHZ offair
Mich. Union Roof:	Tower & antennas removed August, 2018
Contacts:	QSO's (Feb) 27
	QSO's (2020) 376 (2018): 3125
	(2019): 3639

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. Ulrich Raschke

   b. Club Purchases / Expenses: **$ 69.19**
      1. Pizza / Beverages $ 69.19
      2.

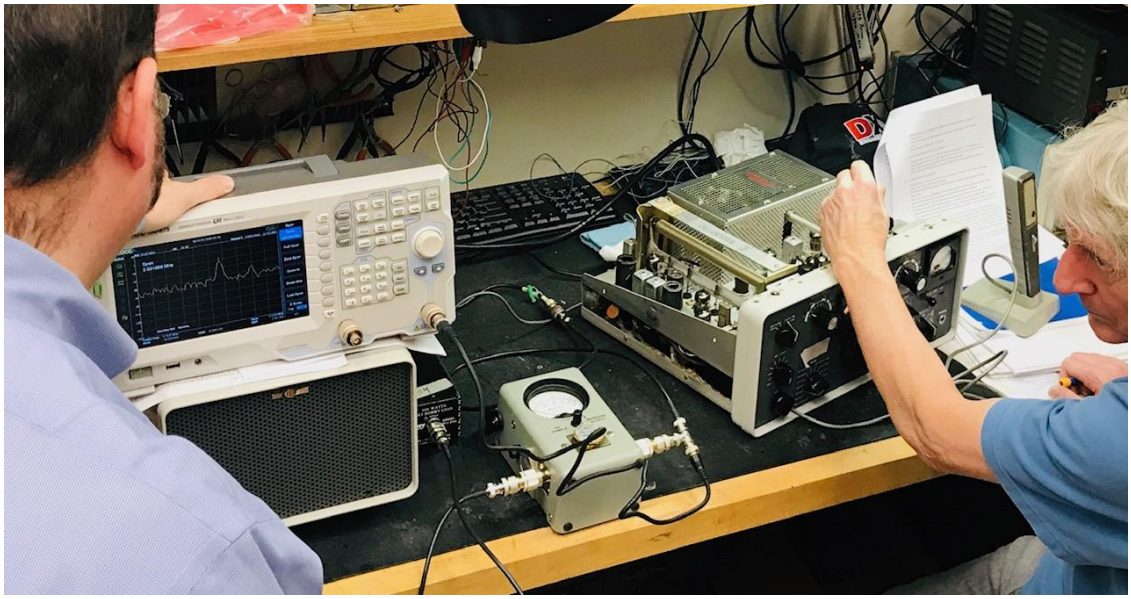
   c. W8UM Equipment Donors:
      1. John (WA2SZQ, 1960's UMARC member (John Sr., K8JXW / SK)
      2. Holmdel (Bell Labs) Amateur Radio Club, Holmdel, N.J.



   d. Equipment Received:
      Collins; assorted tubes & cables
      Olson CB-67
      Heathkit Bridge
      Vibroplex "Champion" keyer
      Vibroplex "Vibro" keyer
      Variable Low-Pass filter
      Collins 516-F Pwr. Supply (Wing Emblem)
      Collins 75S-3B Receiver (Wing Emblem)
      Collins 32S-3 Transmitter (Wing Emblem)
      Collins 30L-1 Linear Amplifier (Wing Emblem)
      Collins 75A-4 Receiver
      Collins LS-199/U Speaker
      Collins Station Manager (Round Emblem)
      Collins 516-F Pwr. Supply (Round Emblem)
      Collins 75S-3B Receiver (Round Emblem)
      Collins 32S-3 Transmitter (Round Emblem)
      Collins 30L-1 Linear Amplifier (Round Emblem)

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. 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
   d. Please contact W8UM.Radio.Restoration.Group@umich.edu for "exact" dates / times of future restoration meetings.



8. W8UM History Project**:** The University of Michigan had a significant role that led to both Alexander G. Bell and Samuel F. B. Morse receiving their patents for the Telephone and Telegraph. In this case, it was UM President, Henry Tappan, where his "My dear Julia" letter served as an affidavit to Morse's patent claim. Of interest, Tappan, Morse, George Bush and L. D. Gale all served together as faculty at NYU. My Dear Julia letter.pdf John, KB8OIS

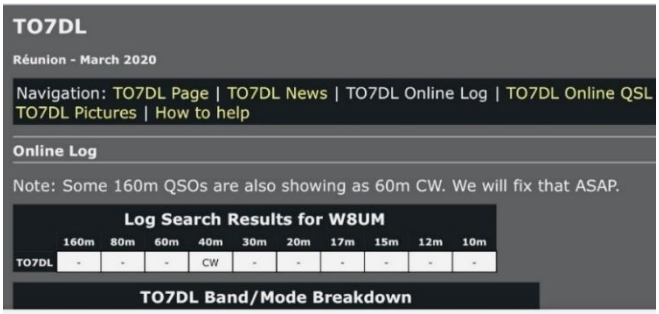
9. **Children on Campus Policy: Discussion.** Impact on 1-Day Tech Class, VE's, Field Day, Boy/Girl Scouts visits, Repeater use or Other.

10. Michigan QSO Party: April 18, 2020. Annual competition against Mich. State Univ. for the "Old Log" Trophy. Operators needed.

11. Dayton Hamvention Bus: ARROW is again sponsoring the bus trip to Dayton / Xenia. All info at https://w8rp.org/activities/Dayton-bus-trip/

12. **SOAS Registration Begins on March 15, 2020**

13. Confirmed QSO: CW contact with Reunion Island, TO7DL.



14. Canada Day Contest Results 2019: W8UM 1st Place, U.S. Call Area 8. Participants: John (WA8TON), Don (AC8TO), and Ashley (KE8HAN)



15. Trine University Visit: Alums, Faculty & Students from Trine University ARC spent a Friday afternoon visiting W8UM. Digital & HF contacts made.



Front: Helen & Bill
Back: Trine Faculty: Kevin & Tim
Students: Zach, Mark & Tim

Not Pictured:
Steve, Amir, Don & John

16. **W8UM Student Officers Elections**: Any students interested in a Club Officer Position? Club Elections occur during the **March** meeting (March 19, 2020).

17. CQ Magazine Publication: March 2020 Issue. Featured article on W8UM and how the club has utilized some of their donated items. Authors: John (KB8OIS), Rob (KB8RCO), Michael (KE8AQW) and Robert (N8RGF)

18. Tower "Take-Down" Group: UM ARC receives several request per year to assist a spouse of a SK in removing a tower or selling equipment. In some cases the rewards are fascinating stories in others, it's cookies or the radios / antenna / tower to sell. Any Members interested in taking the lead on this project to assist our local community? Contact W8UMBoard@umich.edu

CQ Highlights – CQ March 2020

The March issue of CQ covers a wide variety of topics and continues our ongoing "CQ Classic" series as we celebrate our 75th anniversary year. We lead off with the story of how the University of Michigan Amateur Radio Club used a combination of donations and refurbishments to build a portable tower and antenna system; followed by the results of the 2019 CQ World Wide RTTY (radioteletype) DX

19. Items For Sale (SK). Just Make an Offer.
Email: palmy@umich.edu for additional info.

~~TenTec RX-340 HF DSP Receiver~~
MFJ 1040-C
~~Uniden Bearcat BCD 996 XT~~
~~CDR Antenna Rotor~~
Radio Shack Antenna Rotor
~~Kenwood TR 7400 A 2M~~
~~ICOM IC-R-7000~~
~~Zenith Trans-Ocean Receiver~~

~~Yaesu FT-950~~
MFJ Multi-Reader 46
~~ICOM IC-R75~~
~~MFJ DX Beacon Monitor~~
~~Yaesu FT-301 SD~~
~~Astron RS-35A Pwr supply~~
~~ICOM SP-23 Speaker~~
~~40' Tilt-Over Tower~~ w/ 3-Element Yagi

~~Antique Receivers (3)~~
Loop Receive Antenna



20. W8UM Sunday Night Net; Control Ops:

02/23/2020	Ed Vielmetti, W8EMV
03/01/2020	Matt Undy, WS8U
03/08/2020	Dan Romanchik, KB6NU
03/15/2020	

21. Local Club Announcements:
    - **a. Livonia (K8UNS):** Next Livonia ARC Mtg 02/24/2020, Livonia Civic Center
      Newsletter available on-line at http://livoniaarc.com
    - b. MSU (W8SH): Current club activities can be found at https://www.facebook.com/W8MSU/?tn-str=k*F
    - c. ARROW (W8RP): Dayton / Xenia Ohio Bus Trip
    - d. Chelsea (WD8IEL): None
    - **e. Toledo Mobile Assn. (KV8P) ARRL Greats Lakes Convention & Swap – CANCELLED due to COVID-19**

22. 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

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

24. Local Hamfest Schedule

a.	Livonia ARC:	**CANCELLED**		
b.	Perrysburg, OH.	**CANCELLED – COVID-19**	Mar. 15, 2020	
c.	GMARC Tech Expo	Madison Hgts.	April 11, 2020	Saturday
d.	Michigan Crossroads	Kalamazoo	April 20, 2020	Sunday
e.	Dayton Hamvention	Xenia, OH.	May XX, 2020	
f.	Chelsea Swap	Chelsea	June XX, 2020	
g.	Adrian Hamfest	Adrian	Sept. 15, 2019	
h.	USECA Hamfest	Madison Hgts.	Oct. 27, 2019	

25. **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 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.

26. Attendance (Feb. 2020): Attendance: 27 Students: 6 Alumni: 6 Faculty/Staff: 8 Non-UM: 7

27. Open Discussions / Comments / Audience Announcements:

28. Monthly Presentation: Described Above.

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W8UM ARC President or Designee

University of Michigan Amateur Radio Club



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

University of Michigan Amateur Radio Club

W8UM Meeting Location: Electrical Engineering & Computer Science Building

Address: 1301 Beal Ave.

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.



EECS Bldg., View from the Engineering Courtyard