W8UM: University of Michigan ARC

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
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 16, 2020	EECS Room XXXX
February 20, 2020	EECS Room XXXX (Solicit Nominees)
March 19, 2020	EECS Room XXXX (Club Elections)
April 16, 2020	**No Scheduled Mtg., Exam Week**
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, February XX, 2020 (XXXX 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, October 17, 2019**

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

Meetings Are Always Open to All Interested

******* Please Note: Room Changed to Room 1003 EECS *******

Presenter: Jamie Cutler, Ph.D., KF6RFX. Associate Professor, UM Department of Aerospace Engineering
Title: "Some Small Sat Mission Here at the University of Michigan"

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

Treasurer's Report:

Balance (09/15/2019):	$ 4797.76
Revenues (equip. sales):	$ 100.00
Donations (on-line/cash):	$ 122.00
Expenses: (Item 5a,3)	$ 131.73
Balance (10/15/2019):	$ 4888.03

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
EECS Storage:	3-Element SteppIR, Circ Polarized 2M & 70cm yagi
Tower Cam:	EECS Tower Cam: operational
Trailer Tower:	available for use w/ 3-L SteppIR & Rotor
Weiser Hall:	145.23 repeater w/ EchoLink operational. 900 MHZ off-air
Mich. Union Satellite:	Tower removed August, 2018
Contacts:	QSO's (Sept): 40
	QSO's (2019) 3437 (2018): 3125

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. ARRL Scholarships available to Students: Application Deadline is January 30, of each year

d. Open Shack Nights / SWL Open House: anyone interest in leading / organizing / scheduling?

5. New Business:
   a. Donation(s):
      1. Generous Monetary Contributions / Financial Support Received:
         a. Mitch Kuch
         b. Adam DeLand
         c. Bob Dascola
         d. Doug Ensor
         e. Jeff Glazko
         f. Ovide Pomerleau
         g. Ed Vielmetti
         h. Joel Thurtell

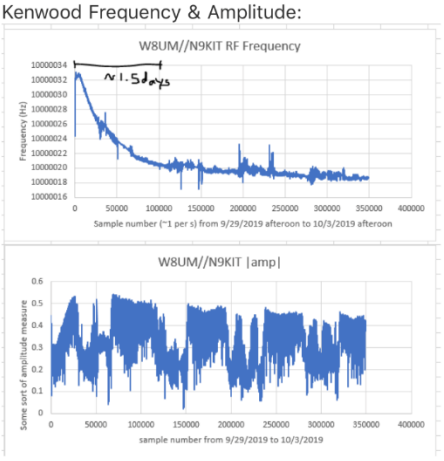
      2. Equipment Donations Received:
         a. None

      3. Club Purchases / Expenses: ($131.73)
         a. Pizza / Beverages: ($71.73)
         b. Northfest Registration: ($35.00)
         c. Festifall Registration: ($25.00)

   b. **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/

   c. WWV 100 Year Centennial Festival of Frequency Measurement: Kit, N9KIT
   https://hamsci.org/wwv-centennial-festival-frequency-measurements

Kenwood Frequency & Amplitude:



   d. Sunday CW Class: Kit, N9KIT
   e. WSPR Raspberry Pi Beacon setup: Filter received from QRP Labs.
   f. KB6NU 1-Day Tech Class: 13/14 successfully passed
   g. FT8: 2000 contacts logged using W8UM callsign
   h. ARRL School-Club Contest Week; 10/21 – 10/25/19

   i. Collins KWM-2 Repairs: Repairs made to the tuning clutch, tubes tested & replaced, powered on… all successful.

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The W8UM Repair Group; Steve (KB5AW), Ovide (K8EV) & Ul (N4IYL), meets 5-6 / year to test & repair items donated to the club.
Next scheduled repair session is on Tuesday, Oct 29, 2019, beginning around 5:30 pm, in Room 4436 EECS (shack). Plan is to install the "soft-start" in a Heathkit SB-200 amp and replace the 572 amplifier tubes. All welcomed to attend / participate.





j. Satellite Antenna Repaired: The coax to 440 antenna was torn off at the antenna connection. Repairs made and satellite station works properly.
Photo: Short Arrow: missing 440 coax. Long Arrow: showing the "loops" where the 2M coax had been wrapped around the mast. Rob (KB8RCO), Adam (KE8KIT), Don (AC8TO), John (KB8OIS)



k. Tower Climb Scheduled: 2M Discone damaged. Volunteers needed to assist during the morning of Saturday, Oct. 19. Contact W8UMBoard@umich.edu if interested.

l. International Moon Bounce Weekends (Sept – Nov) / Collaboration w/ ARROW / Aerospace / CLaSP: John, WA8TON

m. Winter Field Day Participation: Location & Call sign use

n. 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

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

p. Station Tour / Equipment Orientation (Sept/Oct):

1. Raymen Shu
2. Neal Clinthorne
3. Carter Dyke
4. Bruce Yang, Georgia Tech ARC President

q. W8UM Sunday Night Net; Control Ops:

09/22/2019	Stuart Carlson, W8SRC
09/29/2019	Don Winsor, AC8TO
10/05/2019	Dan Romanchik, KB6NU
10/12/2019	Stuart Carlson, W8SRC

r. Local Club Announcements:

1. Livonia (K8UNS): Edmund Fitzgerald S. E. from Dossin Museum on Belle Isle 11/02/2019. Info at W8F on QRZ.com
2. MSU (W8SH): 100-Year S. E., Saturday, 10/19/2019, 1600-2200 UTC, 14.250, 14.050,7.250, 7.050. Contact msuarc@erg.msu.edu for more info.

s. Local Hamfest Schedule:

1. Livonia ARC:	Livonia	Feb. XX, 2020
2. Michigan Crossroads	Kalamazoo	Mar. XX, 2020
3. Perrysburg, OH.	Owen Comm. College	Mar. XX, 2020
4. GMARC Tech Expo	Madison Hgts.	April XX, 2020
5. Dayton Hamvention	Xenia, OH.	May XX, 2020
6. Chelsea Swap	Chelsea	June XX, 2020
7. Adrian Hamfest	Adrian	Sept. 15, 2019
8. USECA Hamfest	Madison Hgts.	Oct. 27, 2019

t. **UMARC Sunday Night Net 8pm local time**: if outside of Ann Arbor, sign-on to EchoLink using the Android, i-Phone or computer apps.



Download the FREE EchoLink app to connect to the W8UM repeater.

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

6. Attendance (Sept. 2019): Attendance: 16 Students: 10 Alumni: 2 Faculty/Staff: 3 Non-UM: 1

7. Open Discussions / Comments / Audience Announcements:

8. Monthly Presentation: Described Above.

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W8UM ARC President or Designee



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

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W8UM Meeting Location: Electrical Engineering & Computer Science Building, Room 1005

Address: 1301 Beal Ave.

ZIP: 48109

Parking: Hayward Lot (NC48)

NC 48: Hayward Street Lot: FREE after 5 pm weekdays & weekends or anytime with a UM Parking Pass.
Before 5pm, M-F, parking is $1.60 / hour (coin or credit card)
*** NOT Barrier Free Access to EECS

Parking: Beal Lot (NC60)

NC 60: Beal Street Lot: FREE after 8 pm weekdays & weekends or anytime with UM Parking Pass (GATED LOT).
*** Not a Pay Lot ***
*** **Barrier Free Access** along the east side of EECS Bldg.

