W8UM: University of Michigan ARC

W8UM ARC Student Officers; 2016-2017

President:	Stuart Carlson, W8SRC
V-President:	Peter Shultz, W2PKS
Secretary:	Jeff Gazdacko, KE8BLW
Treasurer:	Vacant
W8UM Trustee:	Mark Travaglini, WD8DPA
Faculty Advisor:	Amir Mortazawi, PhD., AC8YB

W8UM Meeting Dates (3rd Thursday)

September 15, 2016	BBB Room 1690
October 20, 2016	EECS Room 1005
November 17, 2016	EECS Room 1005
December 15, 2016	No Mtg., Exam Week
January 19, 2017	**EECS Room 1003**
February 16, 2017	EECS Room 1003
March 16, 2017	EECS Room 1003 **Club Elections**
April 20, 2017	EECS
May – August	No scheduled meetings

Club Events & Dates

Northfest	September 5, 2016
Festifall	September 9, 2016
EECS Family Night:	Friday, October 14, 2016 6pm
ARRL License Testing	2nd Saturday of each month
ARRL School Club Round-Up	Week of October 17-21, 2016
ARRL Phone Sweeps	November 19-21, 2016
KB6NU 1-day Tech Class	Saturday, January 21,2017 (EECS # 1200)
ARRL School Club Round-Up:	Week of Feb XX, 2017
Mi QSO Party	April 15-16, 2017
UMSI Maker Fest; North Quad	April XX, 2017
ARRL Field Day	Saturday, June 23-24, 2017

W8UM Sunday Night Net (8 pm Ann Arbor time): 145.23 mHZ, PL 100 HZ (-600 kHZ)
Temporarily on 146.96 (ARROW Freq.) or via EchoLink Node 301158 (W8UM-R)

W8UM Amateur Radio Club Meeting Agenda for Thursday, January 19, 2017
Time / Location: 6:30 pm. Room 1003 of the EECS Bldg., 1301 Beal Ave.

Presenter: Jeff Gazdacko, KE8BLW
Topic: American Cancer Society; Pan Ohio Hope Ride (Bike Mobile Amateur Radio)

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

Treasurer's Report: (10/2016)

Balance (10/20/16):	$	4323.94
Revenues: (Nov)	$	154.00
Donations (cash):	$	80.00
Expenses: (Nov)	$	
Balance (12/30/16):	$	4557.94

Station Manager's Report:

Radio's:	TS590/FT1000D/IC910/IC746/APRS/FT8800		
Antenna's:	~~**80M**~~, G5RV, Satellite, **SteppIR**, Vert, Disc		
QSO's (mo):	Nov 48	Dec 49	
QSO's (yr):	2015	2016	2017
QSO's (total)	3178	2596	
Contests:	None		

4. Prior Business:



Sx28 no 2.m4a SX28 A.m4a

   a. Hallicrafters SX-28A restoration project update; Steve Sostrom, et al. (audio / FLIR)
   b. W8UM Repeater; in-operable due to Dennison / Weiser Hall construction – **Expected Completion Date, June 2017.**
   c. Temporary EchoLink node, via the ARROW repeater, for the W8UM Sunday Net.
   d. ARRL Test Sessions; 2nd Saturday of each month at the Washtenaw County Red Cross Bldg. Contact ARROW Communications Assoc.

5. New Business
   a. SK; student Abinhav Dasari, KE8DDU
   b. SteppIR non-functional until further notice, unable to tune. Loss of coax continuity at 81" from shack.



   c. W8UM Faculty Advisor, Prof. Mortazawi, Amateur Extra AC8YB
   d. Sunday Night Net; Net Control Op:

11/20/2016:	Dan Romanchik, KB6NU
11/27/2016:	Stuart Carlson, W8SRC
12/04/2016:	?
12/11/2016:	Stuart Carlson, W8SRC
12/18/2016	Dan Romanchik, KB6NU
12/25/2016	Christmas Holiday
01/01/2017	Don Winsor, AC8TO
01/09/2017	Stuart Carlson, W8SRC
01/16/2017	Stuart Carlson, W8SRC

   c. New Member Station Orientation (Oct - Dec 2016):

Joey Costello	TBD
John Wasciuk	Satellite Operation
Sandra Lee	UM-Flint, TBD
Dave Boprie	Satellite Operation

d. Membership Dues; $20 for non-students.
e. KB6NU 1-Day Tech class; Saturday, Jan 21, 2017 (Room 1200 EECS Bldg.) VE's needed, contact Dan: CWgeek@kb6nu@.com
f. Solder instruction class w/ Dave Boprie. Interest Sign-up Sheet. Additional info: http://clasp.engin.umich.edu/people/boprie/ENGINEER
g. Published amateur radio articles by W8UM Members (to include on W8UM website & UM 200-year anniversary).
h. Michigan Union Tower removal to take place during Spring 2017 due to roof maintenance. (Moving & Trucking; John, 647-3319)
i. Livonia Swap; Sunday, February 19, 2017.

6. Attendance (Nov 2016): 31 Students: 12 Alumni: 9 Faculty/Staff: 8 Non-UM: 2

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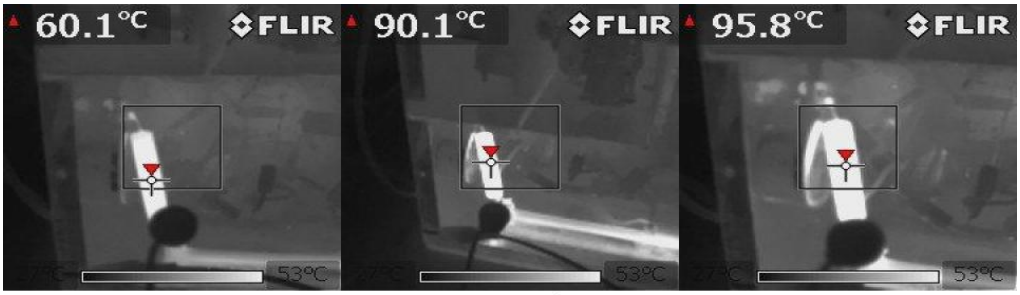
W8UM ARC President or Designee



W8UM SX-28 Restoration Project

SUMMARY OF THERMAL SURVEY FINDINGS OF 1.12.2017

U. Balis (N4IYL)



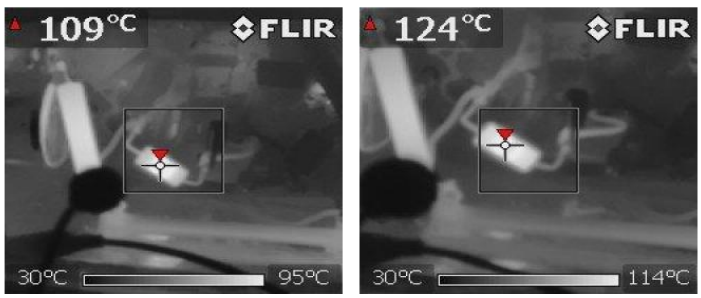
At full mains voltage, when the AGC is engaged, the S-Meter Plate-limiting resistor current increases substantially.

Temperature climbs at 0.5°C/sec

Maximum temperature eventually exceeded 150°C – AGC was disengaged at this point to avoid component damage.

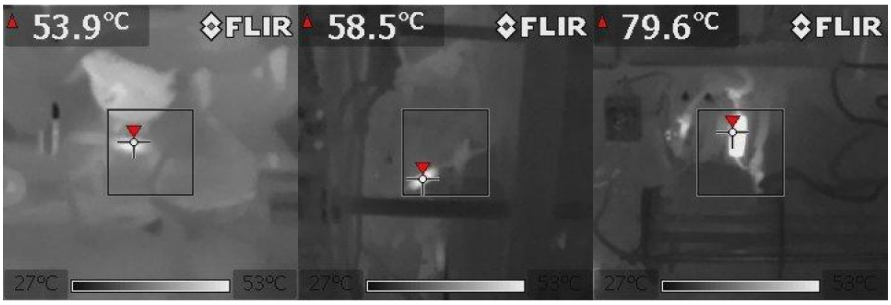
6B8 Plate current quickly rises above specified limits at full mains voltage, when tube is installed.

Removing the tube eliminates the over-current condition.



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A thermal survey of the remaining rig demonstrated only three marginally over-current resistors, when the unit was set to operate at full mains voltage.



W8UM Meeting Location: Electrical Engineering & Computer Science Building, Room 1003

Address: 1301 Beal Ave.
ZIP: 48109

