

UMARC W8UM
Monthly Meeting Minutes
March 11, 2010 (Thursday)
6:30pm at room EECS 3433

Board Members Present

Officers : Rex Brown, Jonathan White, Zihong Lian, Chunpeng Wang
Advisors : Amir Mortazawi, William D Becher

Board Members Absent

Officers : -
Advisors : -

Members Present

Students :-
Alumni : Lora Schuwitz, Steve Culp
Faculty/Staff : Matt Undy, Steve Sostrom
Friends :

Non-members Present

Students : Samuel Li, Shyam Kumar, Michael Fortin, A.V.S. Reddy
Alumni : David Morris
Faculty/Staff : Edwin Olson, John Palmisano
Friends : -
Visiting scholar : Xiaohui Chen
Former Inspector : Charles Ashcom

Agendas

1. Welcome
2. Shack keys
3. Antenna updates
4. Treasury update
5. Secretary's report
6. Elections
7. Form auxiliary club
8. Presentation

Proceedings

Meeting called to order at 6:40pm by Club President, Rex Brown, KC8ZSA.

Details of Agendas

1. Welcome
2. Shack keys (Electronic lock)
 - We're still figuring out the model to buy.
 - The card reader is \$200 with ability to put in key pins.
 - Rick Hadden at the Key office.
3. Antenna updates
 - We planned to raise SteppIR antenna when weather breaks.
 - The satellite antenna is down and we are waiting an update from Dave Boprie.
 - Professor Cutler is doing altitude experiments and is looking forward to use our equipment.
 - The delivery of the tri-bander antenna is still pending.
 - Sunday Net is held at 8PM at 145.23MHz with 100Hz tone.
4. Treasury update
 - \$1,200 at the end of January.
 - Spent \$170 vehicle fee for Hazel Park and \$35 for van.
 - \$65 to Jonathan White for pizza fee.
 - \$1,144 at the end of February.
5. Secretary's report
 - See previous meeting minutes.
6. Elections
 - Vice President position is open and the election is to be held next meeting.
7. Form auxiliary club
 - Need minimum of 10 student members.
 - Non-students are always welcome.
 - Club made up of staff/faculty/alumni/retired faculty/staff.
 - Support club during summer "down time"
 - Based on the attendance, we made the following statistics:
 - 5 undergrads (3 licensed)
 - 5 grads (3 licensed)
 - 3 staff (all licensed)
 - 2 faculty (all licensed)
 - 4 alumni (4 licensed)
 - 3 retired
8. Presentation
 - Professor Edwin Olson (KB0IJO) gave a talk on Multi-robot Communication and Coordination for the MAGIC 2010 Robotics Competition, with the abstract:

Addressing a desire to replace humans with robots in dangerous combat situations, the Department of Defense has organized a robotics competition to accelerate the development of autonomous robotics algorithms. The APRIL robotics lab, in the University of Michigan's Computer Science and Engineering department, is competing with a team of robots capable of autonomously exploring and mapping an urban environment (indoors and outdoors), identifying and pursuing suspects, and disarming improvised explosive devices (IEDs). Using a large number of robots allows the system to complete missions more rapidly, but creates a number of coordination and communication challenges. In this talk, I will give an overview of the competition, as well as describe how our robots coordinate. I will address several engineering issues critical to success, including message passing protocols, packet routing, and how we make use of a heterogeneous set of radios on each robot.

Tentative agenda for the next meeting

1. Professor Chris Ruf to speak about “The Discovery of Lightning on Mars with a Radio Telescope”.
2. -

Upcoming activities or events

1. Toledo Ham Swap on March 21, 2010
2. -

Adjournment

Meeting adjourned at 8pm.

Respectfully submitted,

ZIHONG LIAN

W8UM Secretary/Webmaster,

Zihong Lian, KD8MLT