

**BURT & MULLETT STUDENT CHAPTER**  
**AMERICAN CONGRESS ON SURVEYING AND MAPPING**  
**Minutes from September 25, 2007**

- 10:58: Meeting called to order.
- Attendance passed around.
- Mr. President Matt Paloian's introduction
  - Pay club dues
  - Scholarship night is Thursday at 7:00
  - BM officer nominations
  - October 18 is the Wild Game Dinner (sign-up sheet)
  - Wanted: surveying experiences for the BM website
- Greg Pilgrim from Fugro-Chance of Houston, TX.
  - The company is a conglomerate of several companies
  - Associate with companies worldwide, over 10,000 employees
  - Main job detail is oil work
  - Surveying
    - Surface DGPS
    - USBL Positioning
    - Sub Surface Positioning
    - Emerging Technologies
  - Surface DGPS
    - Relate position of oil rig as it is moved from harbor to permanent drilling position
  - Sub-Surface DGPS
    - Placing oil rigs
    - Placing pipelines on the sea floor
  - USBL
    - Ultra Short Baselines
    - Tracks objects in water column from surface of water to sea floor
    - Descriptions of beacons and how sub-surface tracking works
      - Triangulation, calibration, accuracy, etc.
    - Different types of systems
    - Error factors
  - Long BL work description
    - How it is done and instruments used
  - Acoustic Deployment Options
    - How sensors are placed
    - Frames for transponders (how position is held in the sea)
  - New technologies
    - INS tracking
      - Allows for high precision ROV tracking and updating of position
- 11:52: End of meeting.