

**BURT & MULLETT STUDENT CHAPTER**  
**AMERICAN CONGRESS ON SURVEYING AND MAPPING**  
**Minutes from October 23, 2007**

- 11:00am: Meeting called to order.
- Attendance passed around. 34 signed in.
- President Zeb Bryant's Introduction
  - Speaker: Murray Rhodes, LS
  - Speakers in next few weeks
    - NGS
    - Virginia Surveyor
  - ACSM deposit of \$100 due by Dec. 1<sup>st</sup>
  - MSPS Reminder – Who's Going?
- Murray Rhodes, LS of BHC Rhodes in Kansas
  - 41 years in business
  - Merged with BHC 2 years ago
  - 5 Stand Alone Divisions
    - Public Works
    - Private Development
    - Construction
    - Telecomm.
    - Traffic
  - 70 Employees
    - 7 Licensed Surveyors
    - Looking for up to 20 in next 5 years
    - Recruitment to Intern and Full-time Positions
    - Continuing Education Encouraged
  - Laser Scanning
    - Cyclone Software (Reduction), \$25K/year License
    - High Speed, Survey Grade Reflectorless Scan of 3D Objects
    - Up to 50,000 pts./sec.
    - Range up to 90 feet
    - 3mm Accuracy @ 450'
    - Applications: Civil Engineering, Industrial Plants, Heritage, Forensics
    - Safety Factor: Surveyor is not in Traffic
  - Turkey Creek Tunnel – Storm Water Redirection
    - Built 1919, 1300 feet long into Kansas River
    - 2 months for Traditional Survey
    - Designers Need Under Water Cross-Sections, De-Watered Tunnel
    - Within 1 Week Collected Enough Data for Entire Length with Scanner
- 11:40am: End of meeting.