



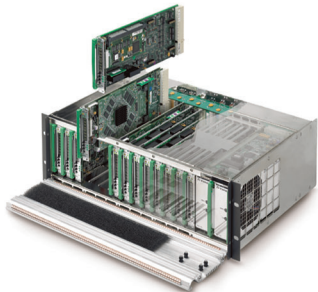
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Section Meetings

Ohio

June 2006

The Section meeting was held at Ohio State University's Don Scott air field in Columbus on June 1, with approximately 30 people in attendance.

Bob Mikkelson of Blimp TV, gave a very interesting and informative presentation, which included a live demonstration of some of the Blimp's controls, as well as video camera and associated equipment installed on the craft. Mikkelson's presentation included his personally devised gyro-type stabilization system for the television camera. Although he performs much of the camera operation, he also has other operators.

Blimp TV provides coverage of major Golf Tournaments in the summer months, as well as Monday Night Football game coverage during the regular NFL season. Outback sponsored the blimp, which was in the Columbus-Dublin area to provide the aerial video photography for a live broadcast network television coverage. Mikkelson pointed out that the logo on the side of the blimp can be changed to accommodate any sponsor for a particular event.

The meeting, combined with the local S.B.E Chapter 52, was followed by a tour of the Blimp facilities.

—Gene L. Batey, Secretary/Treasurer

Rochester

September 2006

The new season opened with a well-attended meeting titled "Archiving on CDs and DVDs" by Steven L. Mizelle, president of KMP Media, Rochester, NY. Mizelle explained that standard recordable CDs and DVDs can have a limited lifetime—as little as two years—as a result of the use of inexpensive cyanine dyes and an aluminum or silver reflecting layer. The dyes can fade rapidly when exposed to light, and the reflecting layer can tarnish in the presence of oxygen and humidity in the air. New gold CD-R and DVD-R discs from Kodak have predicted lifetimes of 300 and 100 years, respectively, under recommended storage conditions, as predicted by accelerated keeping tests using the Eyring model, similar to the well-known Arrhenius test. The phthalocyanine dye used in the gold CD-R and the metal-azo dye in the gold DVD-R (different spectral requirements) are much more resistant to ultraviolet light fading, as can be demonstrated by covering half of a disc with duct tape and placing it inside a window. Older types of disc suffer severe fading within a few days, while the gold discs are essentially unchanged. The use of a 99.99% (24 karat) gold reflecting layer ensures that tarnishing cannot occur. Mizelle concluded with recommendations for the correct storage and handling of CDs and DVDs, including the NIST recommendation of storage at 39-68°F (4-20°C) and 20-50% RH. The presentation was followed by a lively Q&A session.

—Alan Masson, Secretary/Treasurer