WATERLOO TECHNICAL SOCIETY

11 NOVEMBER 1998 MEETING MINUTES

The 11 Nov. 1998 meeting of the Waterloo Technical Society was held at Greenstreets Restaurant in Cedar Falls, IA with 41 members and 8 guests present. The meeting was called to order by President Tim Schoenfelder at 7:43 PM. Following introduction of guests, the past Presidents and Honorary Members were recognized. The 14 Oct. 1998 minutes were read and approved.

Dick Michael gave the Treasurer's report showing a balance on hand as of 11 Nov., of $752.97. There were 65 paid members when those that paid 11 Nov. were included. This compared to 60 at this time last year.

Elwood Linquist gave the Membership report that another new member, Al Sack, had been added during the past month.

An announcement was made to remind members to call their reservations in during the week before the meeting if at all possible. Chuck Angel announced that he was still working on the January meeting to cover the Black Hawk County Crime Lab and Drug Dogs. He also reported that the Feb. meeting would be on the Red Cross rather than the China topic as previously scheduled.

Vern Hollman introduced the evening speaker, Mr. Morris Mikkelsen. Mr. Mikkelsen is Architect for the University of Northern Iowa and is in charge of Facility Planning. His presentation covered the "New Roof on the UNI Dome". To start the project the old inflated dome fabric had to be removed and the upper rim of the side walls reinforced to make it into a compression ring instead of a tension ring as it had been for the four support towers inside the building. A fifth tower in the middle of the building was used to support the center trusses until they were secured. Rigid roofing covers most of the dome with fabric only on the top portion The fabric allows light to enter the dome, reducing daytime lighting requirements. The rigid trusses will support any snow loads as well as wind loads, eliminating need to manually remove snow as in the past. It is estimated that $135,000 per year will be saved on utilities with the new roof system. Most of this comes from eliminating most of the air support blowers. Fabric life for the center area is still 20+ years as before. The stainless steel roofing however has a 50+ year expected life. Total cost for the Dome roof update is estimated at $11.4 million.

After the oral presentation, all those wishing to visit the UNI Dome adjourned to that building for a tour. Mr. Mikkelsen then pointed out all the areas he had discussed along with the new lighting and sound system improvements that were in place with the rigid roof support. Mr. Mikkelsen's presentation and tour was very interesting.

Respectfully submitted,

Gene Hunck, Co-Secretary