WATERLOO TECHNICAL SOCIETY
Meeting Minutes – 14 January 2004

The 14 Jan 2004 meeting of the Waterloo Technical Society was held at the Greenstreets Restaurant located at the Cedar Falls Holiday Inn, with 29 members, 2 speakers, and 12 guests attending (43 dinners total). President Dick Michael called the meeting to order at 7:20 PM. Guests were introduced and past presidents and honorary members, and current officers for 2003-04 were recognized. Co-Secretary Roger Mott read the minutes from the 12 Nov 2003 WTS meeting. Co-Treasurer Dave Berry presented the financial report with $90.00 income and a current balance of $877.71 for the month ending 31 December 2003. Membership status was read as 17 honorary members, 33 active paid for through 2004 and 3 were paid up beyond 2004..

Old Business:
Greg Forester is working on an on-line membership application to be on the WTS web page. Also, it was mentioned that a WTS member, Merle Miller passed away in Dec 03, so the library committee will make the customary library donation in his name.

New Business:
Past President Brian Carlson made a motion to pay Aaron Thompson, $60 for an annual renewal of WTS website hosting. Motion was seconded and passed. Co-Treasure Dave Berry made a motion we give an honorary membership to Aaron Thompson in gratitude for the web site hosting. Motion passed.

Program: Chairman Roger Mott

Topic: ***Energy Efficient Home Construction Techniques***

Speakers: Mr. Jeremie Nagle and Mr. Doug Eltze

Jeremie received a Technical Arts degree in Construction Techniques at the University of Northern Iowa. He is presently a Project Manager for Advanced Building Systems, Raymond, Iowa. Jeremie has 10+ years experience in installing Insulated Concrete Forms. (ICF). Jeremie's major project at this time is EKHO Ridge Condominiums on West 4th Street in Waterloo. The project is the brainchild of Dick Klingaman and family and is about 25% complete after 1.5 years under construction. **Doug** is Regional Sales Manager with Rewards Wall Systems, Omaha, Nebraska. He received a B.A. degree in Business Administration with the University of Nebraska, Lincoln. His company is currently supplying the wall forms.

Doug brought many Power Point slides and a projector explaining the system of wall forms. Jeremie related that the ICF building technique is about 10-12 years in process and has undergone many enhancements since conception. The forms are made of polystyrene plastic and come in various widths from 9-15 inches with cross ties to hold them together, as well as to provide attachment for external siding and internal dry wall.

Special formulated concrete is poured into the forms, and when cured, offers up to 8000 psi compressive strength. Todd Eckert, of United Concrete in Waterloo, was a guest in the audience and offered information about the concrete. Jeremie related the many advantages of using ICF. Lower heating and cooling costs up to 50% when compared to conventional construction---effective R42 conductivity. A typical winter gas and electric bill at EKHO for a 1581 sq. foot unit is $75-80 per Kris Klingaman.

Other advantages were lower insurance costs, as fire, earthquake, and tornado wind resistance is superior to conventional construction. Sound proofing for multi-residential buildings that are separated only by walls is up to 90% less than conventional construction. A listing of the contacts for more info is on WTS website. http://www.waterlootechnicalsociety.org/ICFContacts.html

The meeting ended with Roger Mott presenting the WTS medallion to Jeremie. The January 14 WTS meeting at Greenstreets was adjourned at 9:00 PM. Photos are on next page.

Respectfully submitted,
Roger Mott, Co-Secretary



Jeremie at the Podium, Doug running the Projector



Jeremie receives the WTS medallion from Roger Mott