Minutes of the Waterloo Technical Society mtg held 13 Oct 2004 at Greenstreets.

The 13 Oct 2004 mtg of the WTS was held at Greenstreets in C. F. with 27 members and 1 guest present.

President Cal Meyer called the mtg to order at 7:20 PM.

The minutes of the 8 Sep 2004 WTS mtg were read and approved.

Program Chair for 13 Oct 2004: Brian Carlson

Speaker: Mr. Adam Wolf from John Deere Power Systems, PEC, Engine Engineering

Topic: Diesel Engine Electronic Controls (Focus Controls)

John Deere's 1st electronic controlled engines came out in 1988. Their 1st production of proprietary John Deere Electronic Engine Controls came out in 1996. Today, John Deere has over 400,000 electronic controlled Off-Road engines in production.

"John Deere Custom Performance Electronic Engines" helps manage software options and allows one to update embedded software in the field. It also allows dealers to stock fewer OEM engines. These ECU's (Engine Control Units) can be reprogrammed within certain parameters in the field. The data files are down loaded over the Internet from the company headquarters in Moline. The file is then automatically sent back to Moline documenting the changes made. Engines are normally sold based on the highest allowed power rating. If the engine gets programmed at a lower power level, John Deere refunds some money back to the customer.

Adam showed us an example of how an OEM distributor would set up the trim options for a customer and how this would be configured.

A question & answer time period followed.

BUSINESS

Verlyn Knief gave the treasurer's report: Balance as of 6 Oct 2004 $882.95

Income: $171.84

Expenses: $54.95

Ending Balance: $999.84

There are 17 honorary members.

Dues paid for 2004 - 2005 year: 30 members

Dues paid for 2005 - 2006 year: 4 members

Dues paid for 2006 - 2007 year: 1 member

Next meeting is 10 Nov 2004. Topic is wind Power. Mtg adjourned at 8:20 PM.

Respectfully Submitted, Gary Dorhout, Co-Secretary