Waterloo Technical Society

November 8, 2017 Meeting

The November 8, 2017 Waterloo Technical Society (WTS) meeting was called to order by President Gary Dorhout at 7:25 pm. President Dorhout noted that this was the third meeting of the 104th year of the Society.

A total of 28 members and guests attended.

Treasurer's Report. Ken Friend reported a beginning balance of $765.17. Income of $100.00 from 10 memberships with expenses of $20.00 for the October speaker's meal leaving a new balance of $845.17. Treasurer Friend's report stated a total of 9 honorary and 33 paid members yielding a membership roster of 42 members.

Introduction of Officers. President Dorhout introduced the 2017-2018 officers for the 104th WTS year:

Officers for the 2017-2018 year (year 104) are:

President:	Gary Dorhout
Co-Vice Presidents:	Jerry Mohling and James Stevenson
Treasurer:	Kenneth Friend & Paul Anderson
Dinner Reservations:	Derek Eagles & Steve Lang
Secretary:	James Stevenson
Publicity/Recognition:	Todd Whiting
Auditing:	Bill Mitchell & Jim Garrett
Nominating Committee:	Open
Web Site:	Tim Schoenfelder

Old Business. President Dorhout reviewed the topics presented in the past year. The dates, speaker and topics for the 103rd WTS were:

Speakers for the 2016-2017 Meeting Year (Year 103)

- 14 Sep 2016 - Dr. Donald Gurnett from U of I. Voyager Spacecraft
- 12 Oct 2016 – Dr. Tim Nagel – Sign Technology
- 9 Nov 2016 – Mr. Steve Crouse – Facilities Changes at PEC
- 14 Dec 2016 – No Meeting
- 11 Jan 2017 - Brian Keierleber – County Engineer, Independence – Ultra High Performance Concrete used in Bridge Building
- 08 Feb 2017 – FIRST (For Inspiration and Recognition of Science and Technology) Robotics – Team Presentation
- 08 Mar 2017 -- Mr. Erick Mandt– Vice-President of Sales and Marketing at Fluidyne Corporation in Cedar Falls -- “ISAM™” (Integrated Surge Anoxic Mix), an innovative wastewater treatment process for municipalities and industries.
- 12 Apr 2017 – UNI Solar Boat Team
- 10 May 2017 – Jeremiah Treloar -- Virtual Painter Training System

New Business. No new business was discussed.



Guest Speaker. President Dorhout introduced Cody Wilkson, John Deere Air Seeding Product Manager. Cody Graduated from Illinois State University. He lives in Geneseo, IL with his wife and 2.5 children. Cody has been with Deere since 2008 when he left Pioneer Seed Company to work for Deere and Company as a Tillage Product Specialist. While he is headquartered in Ankeny, IA, he is traveling most of the time. He verifies that Deere tillage equipment works properly at the customer's farm.



Cody's efforts ensures Customer Value which means he makes certain that the performance, up time and cost of operation meets or exceeds customer expectations. His work is part of the Enterprise Customer Acquisition Process which measures success in acres per day for tillage operations.

The Tillage products' performance begins with the proper selection of Tractors. Cody helps customers choose tractors on the basis of customer comfort, horsepower, hydraulic capacity, electrical amperage and model such as the 9R provides in wheeled, track and quad-tracs.

Current technologies provide a choice in sensors, computer applications to process data and control implements through feedback on tractor monitor screens, integrate weigh scale load sensing, ultrasonic bin level sensors and TruSet™ tillage control of depth and pressure.





Tillage equipment is part of agronomics or economic agricultural operation. The equipment must deal with fall crop residue and soil compaction. Springtime brings the need to manage seedbed preparation and weed management. These require decisions on seed varieties, fertilizers, herbicides and timing of planting. The equipment must move through acres of cropland in a short window of opportunity to ensure good yields.



Cody clarified the differences between planting and seeding. Planting is exact seed placement such as seen with corn. Seeding is less accurate spacing of seeds generally with narrower row spacing such as wheat seeding. Cody's presentation was educational , well-presented and warmly received by the membership.

Next Meeting. The next meeting will be January 10, 2018 with Ms. Susan Card, granddaughter of founder Jerald Sulky, talking about her memories of the Jerald Silky Company and what they are doing today.

Meeting adjourned at 8:45 pm.

Respectfully submitted,

James R. Stevenson, Vice President and Secretary