October 11, 2017 Meeting

The October 11, 2017 Waterloo Technical Society (WTS) meeting was called to order by President Gary Dorhout at 7:15 pm. President Dorhout noted that this was the second meeting of the 104th year of the Society.

A total of 36 members and guests attended.

Treasurer's Report. Ken Friend reported a beginning balance of $596.17. Income of $210.00 from 21 memberships with expenses of $20.00 for the September speaker's meal and $21.00 for badge holders leaving a new balance of $765.17. Treasurer Friend's report stated a total of 9 and 23 paid members yielding a membership roster of 32 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.

Auditors' Report. Jim Garrett and Bill Mitchell audited the treasury on 13-17 September 2017. They found that the documents were up-to-date and the bank balance on 11 September 2017 was $596.17 as stated by Treasurer Ken Friend. The Audit Committee commended Treasurer Friend for his continued attention to detail and with his effort to maintain financial records for WTS.

The motion to accept the Audit Report passed unanimously.

Guest Speaker. Vice President Jerry Mohling introduced Dr. Bert Schou one of the founders of ACRES (Agricultural Custom Research and Environmental Studies, ACRES) who presented **THIS IS NOT YOUR GRANDFATHERS FARM**. Dr. Schou holds a B.S. in Agronomy and M.S. and Phd. In Biology and Agriculture from Michigan State University. ACRES is located at 6621 W. Ridgeway Avenue in Cedar Falls, Iowa.

Bert introduced his organization members who were present: Steve and Peg Schmidt, Terry and Loni Coontz (not present), Jerry and Judy Mohling, and Dale and Barbara Hatinger. ACRES has 120 company sponsors for their research.

Bert showed a short video of early 20th Century farming, primarily using animals to pull implements. In the early 20th Century approximately 55% of the population was engaged in farming, now approximately 1%. Using pictures of ACRES, Bert showed the experimental farm on Ridgeway Avenue. Soybean plots were separate from the corn plots.

Our grandfathers mechanized farming by employing steam-powered stationary machines that are now displaced by farming machinery made by Deere and others since 1918. A virtual tour of P&K Implements in Hudson, Iowa displayed the variety, size and capability of today's farming mechanization. Equipment prices range from $60,000 for utility tractors to $500,000 for combines. P&K Implement had a ripper for sale at $70,000.

For more information Bert recommended FarmingSmarter.com website.

Next Meeting. Our October 11, 2017 meeting features Dr. Bert Schou, one of the founders of ACRES (Agricultural Custom Research and Environmental Studies) will present “This is Not Your Grandfathers Farm”.

Next Meeting. The next meeting will be November 8, 2017 with Mr. Cody Wilkinson, Tillage Specialist at John Deere talking about “Tractor Use” with regards to large air seeding and tillage implements.

Meeting adjourned at 8:50 pm.

Respectfully submitted,

James R. Stevenson, Vice President and Secretary