



### **Goggle Farm, our Neighbor**

Ken Young spoke at the Treynor Optimist Club on January 16. He has been a technology worker for Google for three years. He graduated from ISU in Electrical Engineering and worked on a Master's Degree in Digital Signal and Image Processing.

Google has been in existence for 16 years. Google makes the Android operating system, Gmail (which has over 1 billion users), Google Apps, YouTube, Google Maps and Streetview, and self-driving cars, among other things. They are also investigating providing internet to areas that don't have any, including Africa and India.

Google is in Council Bluffs because of the concentration of fiber optics here and because electrical power is cheap. Google makes most it's money from ads. Larry Page, the founder of

Google, developed a better search algorithm and better placement of ads than the competition, so Google has become the premier search engine.

Ken's group is in charge of installing, maintaining, and removing equipment. He is over three global groups, training, technical writing, and analytics (also called operations research). Operations research determines how to do things more efficiently.

Google is investing heavily in Cloud Computing. They offer about 36 different services to companies to help them manage their computing infrastructure.

Google builds their own computers for their data centers, mainly because they don't need high end graphics and other features that people would need for their home computers. They do a lot of testing on their systems and programs to prevent viruses and program crashes.