



## NEWS FROM

# Warsaw Kiwanian

August 12, 2010

## WELCOME

### Greeters

**August 19**

open

**August 26**

Open

**September 2**

Cindy Cates

**September 9**

Don Bergen

**September 16**

Open

**September 23**

Open

**September 30**

Open

### Invocation

**August 19**

Eric Merley

**August 26**

Bruce Shown

**September 2**

James Tinkey

**September 9**

David Pletcher

**September 16**

Mike Bergen

**September 23**

Don Bergen

**September 30**

Sandra Brandenburg

## PROGRAMS

**August 19**

Lowell Farrand and Michael Sheetz  
Experimental Aircraft Association

**August 26**

Not Scheduled

**September 2**

Kosciusko Lakes and Streams  
Anna Burke

**September 9**

Not Scheduled

**September 16**

Scuba Diving for Treasure  
Joe Shephard

## GUESTS

Haley Zachary

## QUOTE TO PONDER

"A little more moderation would be good.  
Of course, my life hasn't exactly been  
one of moderation."  
-- Donald Trump --

**Kiwanis is a global organization of  
volunteers dedicated to changing  
the world one child and one  
community at a time.**

[www.kiwanis.org](http://www.kiwanis.org)

## OFFICERS

**President**

Tracie Hodson

**President-Elect**

Tracy Skipper

**Immediate Past President**

Chet Clampitt

**1<sup>st</sup> Vice President**

Larry Peppel

**2<sup>nd</sup> Vice President**

Tim Meyer

**Secretary**

Nancy Amundgaard

**Assistant Secretary**

Joni Truex

**Treasurer**

Darrin Miller

**Assistant Treasurer**

Burt Ramsey

**Advisor to President**

Bob Gephart

## DIRECTORS

**2010**

Greg Weimer

Don Bergen

Michelle Boxell

**2011**

John Fruth

Bob Smith

**2012**

Lee Hartle

Mike Bergen

## **TODAY'S MEETING**

## **Technical Aspects of the Farming Industry**

Gabe Ayers, CCA/Agronomist/Pioneer Sales Manager for Clunette Elevator wholesale farm supplies, specializing in fertilizers, chemicals, and feed. Clunette Elevator has expanded into one of the largest agricultural retailers in Northern Indiana.

Gabe explained how agriculture has evolved and technology is changing farming, for almost two decades, innovation has been making farming more efficient and profitable. GPS, lasers, optical, inertial technologies, as well as wireless communications and application specific software provide complete solutions that link positioning to productivity, with agricultural products that aid in guidance, flow and application control, to help growers.

Technological innovations have revolutionized farming. Using precision farming techniques, farmers get an accurate picture of a field's attributes, such as soil properties, yield rates, and crop characteristics through the use of Differential Global Positioning Satellite hardware. Satellite guidance systems for tractors are one of the more recent technological advances available to farmers. Using GPS technology to power a geographic information system, farmers can know exactly where they are in a vast field down to the foot. This allows precise planning and maximizes the efficiency of planting, fertilizing, and applying pesticides. In fact, these GIS systems can link directly into computers that drive the steering systems on tractors and other farm machinery, so that the computer steers the tractor based on GPS data.

Gabe described the signal processing used in existing GPS carrier phase based relative positioning receivers is used with WAAS signals as well. Benefits include faster and more reliable integer ambiguity resolution, protection from cycle slips and loss of sufficient satellites, and possibility of extending the operating range by allowing increased separation of reference and base receivers by incorporating ionospheric models provided by WAAS.

Another process is ROI with Swath Control for planters. This latest planting solution uses GPS to automatically turn planter sections off and on based on a coverage map. Gone are the days of throwing seed out the window, especially in headlands, waterways, point rows, and end rows. Because you aren't over planting, plants have room to grow along with your yield potential. Swath Control can now also be used to turn product on and off at an exterior headland boundary.

Prescription farming means applying inputs such as fertilizer, herbicides, and irrigation water with more precision than has generally been used, environmental concerns are prompting both researchers and growers to look at alternative farming methods that offer good yields and profits while at the same time reducing the use of chemical inputs.

Technological advancements make precision farming easier. Smaller, faster, less expensive computers are of critical importance in gathering, analyzing, and acting upon information about soils and growing conditions in a timely manner. Soil sensors, variable rate applicators, on-the-go yield monitors, and global positioning systems using satellite technology to identify specific locations within fields are the high-tech tools of the precision farmer.

Gabe ended the meeting noting all the new technologies are all geared toward giving the farmer more information to be more effective and use equipment more efficiently to produce greater yields and profits.

**MEETING NOTES FOR** - *August 12, 2010* *This is the 224<sup>th</sup> day of the year,  
there are 141 days remaining in 2010*

Song was lead by **Willis Alt and Bruce Andrews**  
Invocation was given by **Tim Meyer**  
Door Greeter today was **Bob Barkes**  
Ethics officer today was **Willis Alt**  
Attendance today **59**

**President's Notes**

Fall Fundraiser- Chicken BBQ will be on September 11, 2010. Tickets will be available next week.



***BIRTHDAYS***

8/03 Keith Wilson  
8/04 Walt Linn  
8/09 JC Paxton  
8/13 Homer Kent  
8/15 Michelle Boxell  
8/21 Win Morrison  
8/22 Douglas Ault  
8/22 Don Scarce  
8/24 Jim Tinkey  
8/26 Mike Suhany

***KIWANIS  
ANNIVERSARIES***

8/03 Earl Records  
8/03 David Zachrich  
8/30 Pamela Cook  
8/30 Thomas Flora  
8/30 Jo Faulkner

**Mailing Address for Kiwanis Club of Warsaw**

**Kiwanis Club of Warsaw  
P. O. Box 773  
Warsaw, Indiana 46581-0773**

## INTERCLUB ACTIVITIES to REPORT - Members Attending:

8/7	Columbia City	Lee & Mary Hartle Dick Dobbins Bob & Ann Gephart Rita Irwin	8/10	Lakeland	Lee Hartle Larry Bair Scott Fox Dick Wright Eddie Creighton
8/9	Plymouth	Lee Hartle Bob Gephart Eddie Creighton Doris Slaymaker	8/11	Columbia City	Lee Hartle Eddie Creighton Dick Dobbins Bob Gephart

## INTERCLUB MEETINGS PLANNED for NEXT WEEK

- Friday August 13<sup>th</sup> Milford
- Tuesday August 18<sup>th</sup> Nappanee
- Tuesday August 18<sup>th</sup> Manchester

<b>For a Make-up, Visit one of the following Clubs or any Kiwanis Club.</b>	<b>Day and Time</b>
Bremen, Hospital Cafeteria	Tuesday, 6:30 a.m.
Goshen, Maplecrest Golf Course (611 E. Hacket)	Tuesday, 12:00 Noon
Goshen, Maple City, Salvation Army	Thursday, 6:30 a.m.
Goshen Sunrisers, Waterford Mennonite Church	Wednesday, 6:30 a.m.
Lakeland, N. Webster, Community Bldg)	Monday, 6:30 a.m.
Middlebury, Crystal Valley, Das Essenhaus	Wednesday, 12:00 Noon
Milford, Community Building	Friday, 6:30 a.m.
Nappanee, Del Mar Banquet Hall	Tuesday, 12:00 Noon
Plymouth, Christo's Banquet Hall	Tuesday, 12:00 Noon
Triton, Bourbon, Brito's	Wednesday, 6:30 a.m.
Wawasee, Syracuse - Brooke Pointe Inn	Saturday, 7:00 a.m.
Whitley County - Parkview Whitley Hospital, Conf RM 1	2nd & 4th Wednesday, noon
Elkhart, Matterhorn Restaurant	Tuesday, 12:00 Noon
Huntington Metro, Huntington College	Monday, 5:45 p.m.
North Manchester, Manchester College, Union Bldg	Tuesday, 6:00 p.m.
Rochester, The Meat Market	Wednesday, 12:00 Noon
Wabash, Honeywell Center	Tuesday, 12:00 Noon
Akron-Mentone Kiwanis Club - Country Kitchen,	1st & 3rd Monday, 6:00 p.m.
Kosciusko County Key Club, Kosciusko County Community Foundation, Inc.	Tuesday, 5:00 p.m.

# Trivia

## Lake Michigan Facts and Figures

Lake Michigan is the third largest Great Lake by surface area and the sixth largest freshwater lake in the world.

Because Lake Michigan is joined to Lake Huron at the Straits of Mackinac, they are considered one lake hydrologically.

Lake Michigan boasts excellent salmon and trout fishing. Species include Chinook, Coho, and Atlantic Salmon, and Rainbow, Brown, and Lake Trout.

Internal waves (upwellings) can produce a 15 degree C. water temperature decrease along the coast in only a few hours, requiring drastic alterations in fishing strategy<sup>1</sup>.

The northern part of the Lake Michigan watershed is covered with forests, sparsely populated, and economically dependent on natural resources and tourism, while the southern portion is heavily populated with intensive industrial development and rich agricultural areas along the shore.

Many rivers and streams flow into Lake Michigan, and the major tributaries are the Fox-Wolf, the Grand and the Kalamazoo. There is a diversion from the lake into the Mississippi River basin through the Illinois Waterway at the Chicago River.

Lake Michigan's cul-de-sac formation means that water entering the lake circulates slowly and remains for a long time (retention) before it leaves the basin through the Straits of Mackinac. Small lunar tidal effects have been documented for Lake Michigan.

The world's largest freshwater dunes line the lakeshore. Millions of people annually visit the dunes/beaches at state and national parks and lakeshores.

### **FIGURES:**

Length:	307 miles / 494 km.
Breadth:	118 miles / 190 km.
Average Depth:	279 ft. / 85 m.
Maximum Depth:	925 ft. / 282 m.
Volume:	1,180 cubic miles / 4,920 cubic km.
Water Surface Area:	22,300 sq. miles / 57,800 sq. km.
Drainage Basin Area:	45,600 sq. miles / 118,000 sq. km.
Shoreline Length (including islands):	1,638 miles / 2,633 km.
Elevation:	577 ft. / 176 m.
Outlet:	Straits of Mackinac to Lake Huron