

## Spoke Newsletter

Wednesday September 25, 2019

Attendance: 23 (49%)

**President—Dennis**

Lincoln East Rotary Club Speaker

**Boone McAfee, Director of Research, Nebraska Corn Board, Ag Technology**

**Wednesday, October 2, 2019**

Arranged by Wayne Casper



Boone McAfee is the director of research & stewardship for the Nebraska Corn Board headquartered in Lincoln, NE. He manages the board's projects and programs in the areas of research, stewardship, and sustainability, along with providing analysis of market intelligence. He holds a bachelor's degree in agricultural economics from the University of Nebraska – Lincoln. He was raised on a diversified family farm near Leigh, NE, where he is still active in raising cattle, along with corn and soybean production. Boone will be speaking on ag technology – tools currently used by farmers, future applications, and how technology is improving agricultural sustainability for producers and consumers alike.

Precision agriculture (PA), satellite farming or site-specific crop management (SSCM) is a farming management concept based on observing, measuring and responding to inter and intra-field variability in crops.

The goal of precision agriculture research is to define a decision support system (DSS) for whole farm management with the goal of optimizing returns on inputs while preserving resources.

Among these many approaches is a phytogeomorphological approach which ties multi-year crop growth stability/characteristics to topological terrain attributes. The interest in the phytogeomorphological approach stems from the fact that the geomorphology component typically dictates the hydrology of the farm field.

The practice of precision agriculture has been enabled by the advent of GPS and GNSS. The farmer's and/or researcher's ability to locate their precise position in a field allows for the creation of maps of the spatial variability of as many variables as can be measured (e.g. crop yield, terrain features/topography, organic matter content, moisture levels, nitrogen levels, pH, EC, Mg, K, and others).<sup>[7]</sup> Similar data is collected by sensor arrays mounted on GPS-equipped combine harvesters. These arrays consist of real-time sensors that measure everything from chlorophyll levels to plant water status, along with multispectral imagery.<sup>[8]</sup> This data is used in conjunction with satellite imagery by variable rate technology (VRT) including seeders, sprayers, etc. to optimally distribute resources. However, recent technological advances have enabled the use of real-time sensors directly in soil, which can wirelessly transmit data without the need of human presence.

*Lincoln East Rotary Club  
Meetings at Valentino's—70th & Van Dorn  
Noon Luncheon starting @ 11:45 a.m.*

*September 25, 2019*

## NMC College of Nursing, Sue Schuelke & Tess McKinney

Wednesday, September 18, 2019

Arranged by Andrea Ahrens and Sue Schuerman



Sue is a passionate Nurse Educator with critical care and medical surgical experience as well as expertise in developing education strategies to enhance learning. Specializes in creating innovative programs including e-learning, classroom facilitation, coaching, and utilizing technology to enhance delivery. Skilled in bridging the gap between the practice and academic worlds including developing partnerships with universities to expand nursing students' clinical experiences and creating residency programs for the new graduate nurse. Doctor of Philosophy (Ph.D.), University of Nebraska Medical Center (2016), Master's Degree, Nursing, University of Nebraska Medical Center (1988).

A new University of Nebraska facility will give students access to improved health care while providing its nursing program a world-class learning and research space with capacity for future growth. The 107,000-square-foot complex, located at 550 N. 19th St., along Antelope Parkway near 19th and S streets at the University of Nebraska–Lincoln, opens for business July 16. Half of the new facility houses the University of Nebraska–Lincoln Health Center, while the other half is home to the University of Nebraska Medical Center College of Nursing Lincoln Division. The university celebrated its completion with a grand opening ceremony July 10.

As approved by the University of Nebraska Board of Regents, the project budget was \$43.9 million. The cost of the College of Nursing portion of the building is estimated at \$19.8 million, while the University Health Center portion is about \$24 million. The College of Nursing portion was paid by state funds and private contributions, while student fees and patient revenues are being used to fund the health center portion. Construction began in November 2016, with Nebraska-based Alley Poyner Macchietto Architecture as lead architect and Hausmann Construction serving as general contractor.

“This building, and the collaboration that has made it possible, will make the future better for generations to come,” said Juliann Sebastian, dean of the UNMC College of Nursing. “Our generous donors, Nebraska legislators, governor, Board of Regents, university leaders and others saw the vision and invested in all that is possible in this new facility.”

The College of Nursing portion was paid by state funds and private contributions, while student fees and patient revenues are being used to fund the health center portion. The medical clinic, which is limited to students, offers 26 examination rooms with dedicated space for triage, procedures, casting and other services. Counseling and Psychological Services, previously in multiple locations across campus, has been combined into a single location at the new facility.

Other amenities will include a wellness kitchen to promote healthy nutrition; dental, optometry, radiology and laboratory services; and an area dedicated to helping students manage stress and anxiety.

Its new site will attract more nursing faculty and raise the level of nursing education and research. With the American Association of Colleges of Nursing predicting a growing shortage of nurses through 2024, the facility will help UNMC meet the state's need for nurses.

Nebraska's existing student health center at 1500 U St. opened in 1958. The replacement facility will provide students a contemporary, private and easily accessible environment for health care.



***A Rotary Thank You to Sue Schuelke and Tess McKinney for an excellent virtual presentation on the new College of Nursing at UNL.***





## Anniversaries & Birthdays

Weeks of September 19-25

**Birthdays:**

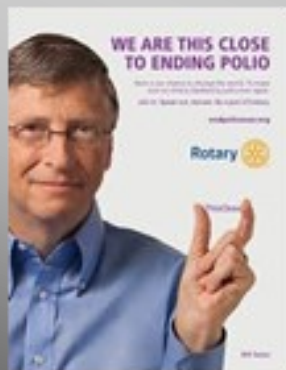
NONE

**Anniversaries**

NONE



## Happy Dollars



*Al Burdick  
Lyle Schoen  
Paul Horton  
Tom Carlson  
Dennis Duckworth  
Total*

*Barry Stelk  
Wayne Casper  
Duane Tappe  
Steve Grosserode*

*\$35.00*

*Happy Dollars—Total to Date: \$703.00*



### Cashier Duty

**September—Wayne Casper**

**October—Duane Tappe**

**November—Gordon Bair**

**Contact Minnie Stephens**

### Guests & Visitors

Benita Hadwick

Sue Schuelke

Tess McKinney

Nathan Carlson

Steve Grosserode

Speaker

Speaker

Tom Carlson



### Greeter Duty

October 2—Nathan Rink

October 9—Gene Roth

October 16—Paul Horton

October 23—Al Burdick

### Lincoln East Rotary Club—October Speaker Schedule

October 9—Carol Schmidt, Emris “An Undying Legacy” arranged by Wayne Casper

October 16—Don Sheets, Exciting Renovations at Bryan Medical Center arranged by Dean Douglas

October 23—Joe Dux, Farm Bureau, Agriculture Trade & Tariffs, arranged by Wayne Casper

October 30—”Special Event” Sue Schuerman

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