



# The Paddlewheel

## Moorhead Rotary Club

Volume 95—Number 15

October 18, 2016

Moorhead Rotary  
Chartered May 1, 1921  
Club 970  
District 5580

President Lynne Kovash  
President-Elect Corey Elmer  
Secretary Teresa Joppa  
Treasurer Doreen Filler  
President-nominee Corey Elmer  
Past President Jon Benson  
Director Russ Hanson  
Director Dale Hetland  
Director Jill Baldwin  
Director Tammy Finney  
Director David Sederquist  
RYLA Coord. Randy Farwell  
Polio Plus Coord. Cindy Nolte  
Sergeant at Arms Team  
Dave Sederquist, Eric Johnson,  
Mike Hulett & Jean Hannig  
Pianist Sharon Fangsrud  
Song Leaders Bill Schwandt,  
Bob Hanna, John Andreasen  
Photographer Russ Hanson  
Meeting Reporter Teresa Joppa  
Paddlewheel Editor  
Nancy Edmonds Hanson

The Moorhead Rotary board of directors meets the second Tuesday of each month.

International President  
John Germ, Chattanooga, TN  
District 5580 Governor  
Herb Schmidt, Fargo  
District 5580 Vice Governor  
Gary Nolte  
Assistant District Governor  
Kay Parries, Moorhead  
District Governor-Elect  
Craig Lochery  
District 5580 Polio Coordinator  
Cindy Nolte  
End Polio Now Zone 28 Coord.  
Gary Nolte

**Other F-M Rotary Clubs**  
Monday: FM/PM Rotary  
5:30 p.m., Lucky 13 Pub  
Monday: Fargo West Rotary  
Noon, Holiday Inn  
Wednesday: Fargo Rotary  
Noon, Radisson  
Thursday: FM/AM Rotary  
7 a.m., Ramada Plaza

If you attend meetings of any of these clubs, just check in. We have a reciprocal agreement.

**Moorhead Rotary**  
P.O. Box 72  
Moorhead, MN 56561



**This week:** Kelli Gast of Solutions Behavioral Health Care discusses "Finding Solutions for Children's Mental Health." Eric Johnson is sergeant at arms, and Tammy Finney & Bob Swenson are greeters.

### 3-D printing entrepreneur tells of innovative possibilities with digital technology

President Lynne Kovash welcomed Rotarians and guests, including Dean Angela Mathers of M State and Rev. Phil Holtan, as well as special guest Miquette McMahon of the nonprofit Teach Haiti.

She announced that a program chair is needed to arrange speakers for November, December and January.

### Travel Raffle early birds win prizes

Alma Cater of the Travel Raffle committee announced winners of two prizes — \$100 dining certificates to Rustica. All who had sold at least eight tickets by Tuesday (and turned in their money) were eligible for the drawing. Mike Hulett and Jill Baldwin were named winners.

### Haitian charity helps educate kids

Eric Wilkie introduced Miquette McMahan of Teach Haiti, a nonprofit organization that, with the help of Concordia College, has helped 441 Haitian children with school opportunities. She told us that 99 percent of homes and churches have been damaged or demolished by Hurricane Matthew, with crops also wiped out by the storm. With most earning \$1 per day,



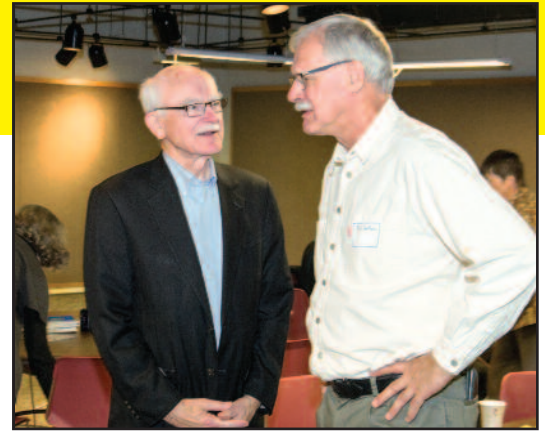
Photos: Kay Parries, guest Angela Mathers of M State & Dave Wahlberg. President Lynne Kovash. Guest Miquette McMahon of Teach Haiti. John Schneider, president of Fargo 3-D Printing. Travel Raffle committee member Alma Cater announces winners of early sales challenge drawing.

stocking up on water and food in advance of its onslaught was not affordable, leaving even more devastation and misery behind.

### Sergeant at arms addresses major fears

Sergeant at Arms Eric Johnson announced that it was Face Your Fears Day. He cited some of the most common fears: fear of floods, fear of man, fear of being laughed at, fear of infestation by worms and fear of long waits.

Eric collected happy dollars from members



Ron Kolb and Gary Nolte. Rotarian of the Day David Tranby. Paul Dovre and guest Phil Holtan.

**Guests, October 11**

FES Erhard Hochörtler  
 Dorothy Suomala, guest of Paul Suomala  
 Phil Holtan, guest of Teresa Joppa & Eric Joyhnson  
 Angela Mathets, M State, guest of David Wahlberg  
 John Schneider, Fargo 3-D Printing

**Visiting Rotarians**

Miquette McMahon, Teach for Haitia

**Reported Make-Ups**

Eric Wilkie, Fargo Rotary, 10/05  
 Dictionary Project volunteers Jade Rosenfeldt, Dale Stenerson, Lynne Kovash, John Andreasen & Bill Woods

**October Birthdays**

Wai, Samuel	Oct 03
Hagemann, Ron	Oct 21
Hanson, Russ	Oct 23
Johnson, Gregory	Oct 28
Kolb, Ronald	Oct 29

**Anniversarie**

Hulett, Michael & Janie	Oct 04 1985'	31 years
Elmer, Corey & Brenda	Oct 05 1996	20 years
Wright, Edgar & Virginia	Oct 09 1954	62 years
Moore, Noell & Thomas	Oct 12 1996	20 years
Filler, Doreen & Ken	Oct 22 1994	22 years
Hannig, Jeanl & Jeff	Oct 24 1972	44 years

**Rotary Anniversaries**

Andreasen, John	24 years
Oct 01 1992	
Suomala, Paul	20 years
Oct 01 1996	
Johnson, Eric	4 years
Oct 02 2012	
McLarnan, Rod	34 years
Oct 05 1982	
Benson, Jon	9 years
Oct 09 2007	
Donabauer, Brad	3 years
Oct 22 2013	

saluting a variety of things: Bill Woods, in honor of delivery of all the dictionaries of 2016, passed out to third graders by a total of 20 Rotarians; and Lynne Kovash, celebrating Moorhead’s homecoming.

**Fargo 3D Printing produces one-off prototypes for machine parts, prosthetics**

Rotarian of the Day Dave Tranby introduced our speaker, John Schneider of Fargo 3D Printing. He and partner Jake Clark, both in their mid-20s, established their fledgling company about two years ago. In addition to selling and offering support of 3D printers, they do rapid prototyping — producing single items for manufacturers and inventors.

3D printing is not brand-new, John said; it was developed about 30 years ago. Improvements and availability have reduced the cost of producing a three-dimensional prototype from \$20,000 to about \$1,000 (using their services).

“We’re able to design what you want in three to six hours, versus 1 to 3 months using older processes,” he said.

U.S.-grown corn is refined into the bio-based plastics used in the process. He compared it to melting and reforming “weed-whacker” string with a hot glue gun. “The process isn’t good for manufacturing in quantity,” he pointed out. “It’s very good for forming unique designs.”

He said 3D printers have been used by dentists since the 1990s for such things as invisible braces. Jewelry is another popular application. In the field of orthopedics, the printers can be used to manufacture custom- designed and sized hip replacements and, perhaps someday, organs.

The aircraft industry has used 3D printing in plastic as a lighter replacement for aluminum aircraft parts. It can also be used for farm repairs and architectural models.

**Upcoming Meetings: Programs and Assignments**

**Tuesday, Oct. 18**

Sergeant at Arms ..... Eric Johnson  
 Program .....Kelli Gast, Solutions Behavioral Healthcare Professionals, “Finding Solutions for Children’s Mental Health”  
 Greeters ..... Tammy Finney & Bob Swenson

**Tuesday, Oct. 25**

Sergeant at Arms ..... Jean Hannig  
 Program ..... District Governor Herb Schmidt  
 Greeters ..... Heidi Fitzgerald & Matt Thomason

**Tuesday, Nov. 1**

Sergeant at Arms ..... Eric Johnson  
 Program .....  
 Greeters ..... Josh Frost & Dave Tranby

**Tuesday, Nov. 8**

Sergeant at Arms ..... Tim Beaton  
 Program .....  
 Greeters ..... Pat Gulbranson & David Wahlberg

**Tuesday, Nov. 15**

Sergeant at Arms ..... Dave Sederquist  
 Program .....  
 Greeters ..... Bob Hanna & Sam Wai

**Tuesday, Nov. 22**

Sergeant at Arms ..... Mike Hulett  
 Program .....  
 Greeters ..... Jean Hannig & Bill Woods