



# ROTARY CLUB OF APPLETON

## GUSTO

Service Above Self

**February 14, 2012**

**Upcoming Programs**

**February 21**

**Empire Room**

Kenya Works - Mary Stusek  
Thumbnail: Mike Muoio  
Thought of the Day - Sarah Schneider

**February 28**

**Empire Room**

Wisconsin Taxpayer Alliance - Todd Barry  
Thought of the Day - Jeff Esker

**Officers 2011-2012**

**President**

Dan Nisler

**Vice President**

Dawn Doberstein

**Past President**

Tom Berkedal

**Secretary**

Peter Kelly

**Treasurer**

Deborah Wetter

**Directors**

Trish Huizenga  
Shane Lathrop  
Greg Linnemanstons  
Rich Redman  
Sridhar  
Susan Stockton  
Dan Toppins  
Jennifer Wanke

**Sergeant-At-Arms**

Jerry Otteson

**Admin. Assistant**

Kathy Dreyer  
Phone/Fax 731-4427  
[dreyer.kathy@gmail.com](mailto:dreyer.kathy@gmail.com)

**RYE Student**

Ella Proll - 734-9336

**Rotarian(s) of the Year**

Barbara Kelly and Ken Stolzman

**Membership - 192**

Downtown Gusto  
Kathy Dreyer, Editor  
Dist. 6220, Club 2656  
P. O. Box 703  
Appleton, WI 54912  
[www.appletonrotary.org](http://www.appletonrotary.org)  
Meets Tuesday Noon

**COMMITTEE MEETINGS**

- The Rotary Youth Exchange Committee will meet on Tuesday, February 28 at 11:00 a.m.
- The Sharing Around (the World) Medical Project will pack on Tuesday, February 28 from 6:30-8:00 p.m. at the Goodwill Industries Shiner Center.

**A STRUCTURAL OVERVIEW OF THE BRAIN**

Dr. Philip Yazbak, Neuroscience Group, discussed how the brain is complex and contains a key cell called neurons that are important in processing and communicating information within the brain. The brain is sensitive to oxygen and blood supply. The brain also contains clear fluid that occupies the space between the skull and the cerebral cortex that provides insulation. Too much fluid can be problematic causing difficulty with cognition, bladder control and walking. The brain can be divided into three main parts: forebrain, midbrain and hindbrain. The forebrain consists of the cerebrum, thalamus and hypothalamus which controls motor skills, sensory relay autonomic and makes us human. The midbrain consists of the tectum and tegmentum and controls pupils, eye movement, hearing and motor functions. The hindbrain is made up of the cerebellum, pons and medulla and controls coordination, equilibrium, heart rate, blood pressure and breathing. The cerebrum or cortex is the largest part of the brain and is associated with higher brain function such as thought and action. The cerebral cortex is divided into 4 lobes: the frontal lobe (reasoning, planning, speech, movement, emotions and problem solving), parietal lobe (movement, orientation, recognition and perception of stimuli), occipital lobe (visual processing) and temporal lobe (perception and recognition of auditory stimuli, memory and speech). The brain can be divided into left and right cerebral hemispheres. Dominant functions of the left brain include: analytical thought, logic, language, math and science. Dominant functions on the right brain include: holistic thought, music, spatial abilities, visual imagery and face recognition. About 80% of people are right handed, 97% of right handed people are left hemisphere dominant and 70% of non right handed people are left hemisphere dominant. So, 3% plus 6% of people are right hemisphere dominant or split dominance.

**History of neurosurgery:**

- Neurosurgery has been done since 5000 BC. Trephinations were performed by putting wholes in the skull to release evil spirits.
- 400 BC - Hippocrates thought the brain was the center of intelligence and that it did not control thoughts, ideas and feelings.
- 1895 - Wilhelm Conrad Röntgen discovered an image cast from a cathode ray generator. A week later, he took an x-ray of his wife's hand. "X" stood for unknown.
- 1918 - Walter E. Dandy introduces the ventriculography (injecting air into the ventricular system prior to x-ray).
- 1920's - William Bovie invented the Monopolar Cautery (regulated electric current that heats up adjacent tissue to prevent blood loss).
- 1920's - Walter Dandy began translating endoscopy to neurosurgery.
- 1869-1939 - Harvey Williams Cushing, the Father of Modern Neurosurgery, developed electrocautery, used x-rays to diagnose brain tumors, increased the survival of tumor patients, taught neurosurgeons and used electrical cortical stimulation.
- 1928 - Alexander Fleming discovers mold that kills staph bacteria.
- 1950's - Herman Carr reports the creation of ID MRI image.
- 1960's - Operating microscope developed. It was first used in neurosurgery since it had the ability to focus intense light on areas of interest with 1.5-10x magnification.
- 1974 - Godfrey Newbold Hounsfield and Allan McLeod Cormack developed the CT Scan or computerized tomography scan.
- 1974 - Raymond Damadian creates and patents the first MRI machine.
- 1990 - Seiji Ogawa discovered the functional magnetic resonance imaging or functional MRI to measure brain activity by detecting associated changes in blood flow.
- In another 50 years - Minimally invasive surgery, robotics and targeted therapy?

To keep the brain healthy, you should exercise it, give it intellectual challenges, use helmets and be careful of your environment (limit alcohol consumption).

## ROTARY YOUTH EXCHANGE UPDATES

- Elinor Bell, our club's 2012 Outbound Student from Appleton East has received notification that she will be going to Hungary for the next school year.
  - Ella Proll our inbound student from Germany and outbound Elinor Bell will be attending the 2012 Winter RYE Conference, Feb. 24 -25 in Wausau.
  - The Summer Short-Term Youth Exchange Program application deadline is February 28<sup>th</sup> to young people in our area. There is a mandatory orientation session in Rhinelander on May 12 from 1:00-4:00 p.m. Information on the summer exchange can be accessed at: [www.summerexchange.org](http://www.summerexchange.org). If you have further questions, please find the details on the website, or call Chris Lenard in Rhinelander: [wilenard@frontiernet.net](mailto:wilenard@frontiernet.net) or (715) 369-7259
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## ROTARY ON THE ROAD

In lieu of our regular meeting on April 3, Rotary will be on the road. Members will be asked to sign up and go to Affinity/St. Elizabeth's Hospital, Bassett Mechanical (Kaukauna), Festival Foods (Darboy), Fox Cities Performing Arts Center or Goodwill Industries Shiner Center where you will have lunch, tour and explanation of the facility. Sign up will be on a first come first basis since each location will be limited to 25 people. Start time will be 12:15 and will end at 1:15 p.m.

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## ROTARY SHINES

The 2012 Rotary Shines will take place on Friday, April 20 at the OuterEdge in Appleton. Food will be catered by Michiels Fox Banquets and Rivertyme Catering. This is our club's only fundraising event. Tickets cost \$100 which admits 2 adults. The proceeds will benefit the Peruvian Mobile Medical Unit, Even Start Family Literacy Program and PolioPlus. This is a great networking opportunity and way to get to know your fellow Rotarians while having fun and helping three great causes. Tickets will be sold at next week's meeting.

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## ROTARY HAPPY HOUR – FEBRUARY 21

See a different side of your fellow Rotarians and of the Radisson Paper Valley Hotel. Join the Family of Rotary on **February 21 from 5:00 to 7:00 p.m.** for the Rotary Happy Hour at the **Intermezzo** (lounge at the Radisson Paper Valley Hotel – on the east side of the building across from the escalator). **Cash bar** and **free hors d'oeuvres** (courtesy of the Intermezzo). Bring adult family members, friends or prospective Rotary members. Or just come by yourself. See old friends, meet new ones. Happy Hour is a time to relax and enjoy the camaraderie and conversation. Please join us there.

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## ANNOUNCEMENTS

- The Program Committee will be presenting a theme series on "You and Your Brain". The programs will be presented:  
3/27/12 – "Self Confidence & Problem Solving in K-3<sup>rd</sup> Grade Children" – Prof. Beth Haines, Lawrence University.  
4/10/12 – "Regulation of Emotions and the Adolescent Brain" - Prof. Lori Hilt, Lawrence University.  
5/29/12 – "Memory Café" - Rev. John and Prof. Susan McFadden, UW-Oshkosh.  
This will be off-site at Paper Discovery Center/Atlas Mill.
  - We will be holding our second membership drive through the month of February. Free lunch cards are available to members to invite a perspective member to a meeting. Only one free lunch per perspective member, please. Think about who you would like to propose into membership.
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## SEVEN DAY NOTICE

The following individuals have been proposed for membership in Rotary. They have passed all committees and unless an objection in writing is submitted to the secretary within 7 days, these members will be admitted to the Rotary Club of Appleton.

**Steve Gineris** of 7-45 S. US Highway 45, Oshkosh, WI 54902 has been proposed into membership by Mark Logemann. He would enter under the classification of Banking – Commercial Lending.

**Thomas Nelson** of 1510 Orchard Drive, Kaukauna, WI 54130 has been proposed into membership by Travis Andersen. He would enter under the classification of Government – County.

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## GUESTS, VISITORS AND MAKE-UPS

**Guests** today were Ella Proll, Tom Nelson with Travis Andersen, Kathleen Lhost with Alan Button, Pat Doering with Bill Doering, Ray Geweke with Jeff Esker, Patti Habeck with Mary Harp-Jirschele, Jenni Kunding with Crystal Lillge, Steve Gineris with Mark Logemann, Karen Dorn with Dan Nisler, Nancy Scheuerman with Tom Scheuerman, Amy Martin with Nora Schulz, Lynn Van Vreede with Marta Weldon, Beth Haines and Lori Hilt with Tom Williams and Jane Garton with Val Wylie.

**Making up** this week was Jan Smith in Neenah.