

Upcoming Speakers

3/7 - **Dr. Ross Jones**, Gastroenterologist and
Dr. Shane Hendon, Gastroenterologist -
Lourdes Hospitas

3/14 - **Allyson Cox Taylor**, Executive Director,
Child Abuse and Exploitation Division - Office
of the Attorney General

3/21 - **Dr. Jonathan Couch**, Neurosurgeon -
Mercy Neurosurgery AND **Dr. Jim Ed Couch**,
Neurologist - Mercy Neurology

3/28 - **Michael Yungmann**, President & Chief
Executive Officer - Lourdes Hospital

Club Leaders



Melanie W. McNeill
President



Dee Dee Whittaker
President-Elect



Shawn Turner
Secretary



Randy Bridges
Vice President



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Glen Anderson
iPast President



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Club Executive Secretary

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Bruce Akin
Clay Howerton
Emerson Goodwin
Laurie Latham
Glen Anderson
Brad Clark
Zach Hosman
David Hutcheson
Maurie McGarvey
Terry Reeves

GearTeeth

The Rotary Club of Paducah



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Paducah's UK College of Engineering Celebrates 20 Years

February 28, 2018

Speaker: Dr. Jeffrey Seay, Associate Professor of Chemical and Materials Engineering at the UK College of Engineering in Paducah. Dr. Seay was introduced by Rotarian Ken Wheeler.



Topic: Twenty year highlights of the school, plus an update on their many sustainability projects

Takeaways for Rotarians:

-Paducah's UK College of Engineering opened in 2009 on the campus of West Kentucky Community & Technical College. In twenty years, the school has doubled its enrollment, which now stands at 182 students. The school has achieved accreditation of both its mechanical engineering and chemical engineering programs for 17 consecutive years. Since 2009, 330 students have graduated from the two programs.

-Ten local UK faculty and 6 local staff members are currently employed at the school. They share 44,000 square feet of space in three buildings. The faculty and programs have received numerous awards and certifications, including 44 national/international awards for student research projects. Dr. Seay voiced his pride at the "very competitive student base that continuously shows a passion and dedication for global research and business."

-The school also hosts 20 graduate students advised by the UK faculty.

-Dr. Seay explained how sustainable development is the focus of the school's research activities. The focus, he said, is on people, prosperity and the planet. Specifically, the research focuses on developing cleaner, healthier lives for developing communities; on prosperity through economically viable solutions that provide income opportunities; and on sharing one world and how its health affects everyone.

-As an example, Dr. Seay quoted research that predicts that by the year 2050, 33 billion tons of plastic are likely to be produced, with 12.2 billion disposed of as waste; 3.9 billion mismanaged on land; and approximately 1.6 billion eventually entering the oceans. He also quoted a prediction that by 2050, the weight mass of plastic in the ocean will outweigh the mass of fish.

- "How do we prevent plastic from polluting the environment? We give it value by repurposing it," Dr. Seay said, alluding to the sustainability research conducted by the

Dee Dee Whitaker

Randy Bridges

Scott Taylor

Shawn Turner

Birthdays

David W. Jones

March 05

Wendy Kester

March 08

Troy Courtney

March 08

Geraldine B. Montgomery

March 11

Phyllis B. Russell

March 12

Lewis Carr

March 14

Anita Akin Lentz

March 18

Betty Higdon

March 19

Kyle P Katterjohn

March 22

Lanny King

March 23

Bruce Akin

March 26

Victoria E. Caldwell

March 28

Michael Cochran

March 29

Brandon W Morgan

March 31

Charles R Manchester

April 02

school. Among the projects researched is how to develop low-cost, easy-to-use processes to convert waste plastic to a valuable commodity such as fuel. Their "Trash to Tank" concept involves Thermal Decomposition which converts plastics into an oil similar to diesel fuel or kerosene.

-The Rotary Club of Paducah, in cooperation with the school and a Rotary Club in Uganda, are supporting a project known as the "One Step Process" which produces fuel from plastic using only a wood-fired retort. The fuel, according to Dr. Seay, produces less sulfur and is more economical to use than conventional fossil fuel sources.

-From a student perspective, Dr. Seay said in addition to their academic achievements, students learn how to travel internationally, how to be accepting and resourceful...hence making them better students and eventually better employees.

-The UK College of Engineering has produced one business start-up that originated from technology developed at the school.

Announcements

February 28, 2018

-The Membership Drive continued with a presentation by club Vice President and Membership Committee Member Randy Bridges. Rotarian Randy discussed the importance of the Rotary service projects and all the unique friendships he's acquired since becoming a Rotarian. All Rotarians are urged to seek potential new members by inviting them to a club meeting.

-Speech Contest Winner Addie Rogers shared her winning speech with the club. She will represent the club at the Regional Speech Contest later this month. Also attending was runner up Kate Criner.



-Charitable donations were presented to the **Boy Scouts** and the **Merryman House**.

Guests

February 28, 2018

Alex Sherwood, Dr. David Silverstein and Shelly Norris – guests of Ken Wheeler
Janie Criner and Rebecca Rogers – guests of Melanie McNeill
Heather Jackson – guest of Laurie Latham
Melinda Winchester – guest of Barry Smith
Rachel Curry – guest of Lee Emmons
Ryan Litchenberg – guest of Tonya Goodale
Jason Fort – guest of Hal Sullivan
Jason Coltharp – guest of Shay Morgan
Lora Croley, Audrey Withrow, Meagan Murray, Abby Smith, Megan Koch, Erin Lander, Jack McHenry and Lucas Nare – guests of Mike Muscarella
Addie Rogers and Kate Criner – guests of the Club
Peyton Patel – student guest from Paducah Tilghman
Bailey Arnett – student guest from Community Christian Academy
Emily Hodges - student guest from St. Mary