

RICHLAND ROTARY REACTOR

July 28, 2015

• Editor: *Leslie Hawkins*
 • Editor Emeritus: *Hal Ellner*
 • Design: *Jan Jackson*
 • Web Site: www.richlandrotaryclub.org

• PO Box 37 • Richland, WA 99352
 • Meetings every Tuesday at 12:10 p.m.
 Red Lion Hotel (Hanford House)
 • Charter 7390 • District 5080 • Club ID#262

Speaker Schedule for August

4th – Update on City of Kennewick, Steve Young

Preliminaries

President Larry called the meeting to order, and called on Shelly Kennedy to be our song leader. She led the club in the singing of a childhood favorite “America”. There were no visiting Rotarians, but Greg Warner had a guest, Debbie Nogueras, who will become a member of our club next week. Gordon Bopp had his wife, Nan, with him today, and Larry Lowry, had a guest, Robert Garza, who will be presenting a program this fall.

Announcements

Bill Siefkin said he had talked with Safeway, and they would welcome Rotarians selling their Duck Race tickets. He reminded the club that Jack Zinn sold a huge amount of tickets at the store, and said that anyone interested should contact the store. Barbara French said that 10,000 tickets

were distributed last week, and 75 were turned in this week, so we are on our way! If someone is interested in setting up sales and coordinating with Yokes, or other locations, please contact Barbara or Mike.



Larry said that regrettably Kim Pietrok has decided to resign as her work and family commitments have made it difficult for her to participate in Rotary, though she hopes to return sometime in the future.

Stan Jones said that the programs have been scheduled into November, but if someone has an idea or suggestion for a program, please let him know.

PAUL HARRIS FELLOWS

Judy Addis (D)(B)	Leslie Hawkins (1S)	Bing Manawadu	Bob Tibbatts (1S)
Steve Arneson (5S)	Diahann Howard	Mike McAndrew	Sam R. Volpentest (2R)(B)
Jeremy Asmus (2S)	Jan Jackson (2S)	Grant McCallum (3S)	Gregory T. Warner (2S)
Jim Bauer (5S)	Rick Jansons (1S)	Bill McCue (1S)	Tom Watkins (D)(B)
Linda Bauer (4S)	Larry D. Jecha	Jerry J. McGuire (B)	Ken Williams (5S)
Bob Best (2S)(B)	Darrel Johnsen (2S)	Kathy Miller (4S)	Hal Williamson (DD)(B)
Tom Bock (1R)(B)	Cindy Johnson (1S)	Robert D. Nichols	Jack D. Zinn (4S)
Gordon Bopp (1S)	Roy Keck	Greg Oberg (4S) (B)	(B) Benefactor
Madeleine Brown	Scott Keller	Thomas M. O'Brien (2S)	(D) Diamond PHF
Herb Cahn (4S)(B)	Shelley Kennedy	Jon M. Putz (5S)	(DD) Dbl. Diamond PHF
Blaine Carr (4S)	Tom Kirchner (1R)(B)	Dick Richter (1S)	(R) Ruby
Thomas A. Cowan (3S)(B)	Art D. Kohler (D)(B)	Robert Rivera	(#R) Multiple Ruby
John Darrington	Dave Larkin (D)	Gary Scofield (4S) (B)	(S) Sapphire
Bob De Lorenzo (D)(B)	Pamela Larsen (4S)(B)	Anjan K. Sen (1S)	(#S) Multiple Sapphires
Jeanne Dillner (2S)	Bob D. Larson (4S)(B)	Chris Senske (1S)	
Barbara French (D)	Phil Lemley (2S)	Rick Schulte	
Julie Funfar	Tim Lewis (2S)	Bill R. Siefken (1R)	
Linda Gilmore (2S)	Yosen Liu (1S)	Mike Sinclair	
Jan Griffin (1S)	Larry Lowry (1S)(B)	Mark Smith (5S) (B)	

Officers

PresidentLarry Lowry
 President Elect.....Dick Richter
 Secretary.....Bob Tibbatts
 Treasurer.....Kathy Miller
 Foundation Treasurer.Mike Winegardner
 Past President.....Linda Bauer

Directors

Meeting Service.....Larry Jecha
 Club Service.....Robert Rivera
 Community Service...Pat Haggerty
 International Service.Pete Rogalsky
 New Generations.....Jan Jackson
 Fellowship & Fund Raising.Linda Gilmore

Larry Lowry said that he had received notice from the President of Rotary International, who announced that it has been one year since the last case of polio recorded in Nigeria, designating the country as polio free! Only two countries remain with polio: Afghanistan and Pakistan, and efforts continue to bring us to the goal of eradicating polio from this planet.

Larry made two presentations, giving Pete Rogalsky his Director's pin as a new member of the Board, and Kathy Miller, who has taken on the position of Treasurer, her treasurer's pin.

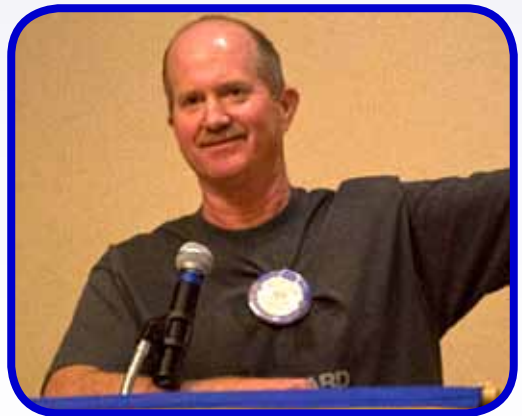


50/50

Mike McAndrew said there was \$195 in the pot. Dick Richter got the first number, but didn't draw the white chip. The \$10 consolation prize went to Mike Sinclair.

Judge Ken Williams

Ken said driving in today reminded him of what a beautiful city we live in, and asked everyone to donate a dollar in honor of its beauty. He then reminded the club of all the great state parks, forests, beaches, wildlife sanctuaries and conservation districts we have available to us in Washington. Ken just went camping with his family, and had the best lit campsite around with solar powered LED lights. He invited Brags and Confessions from the club. Ian Napier said that he just received his American passport, and has launched his business at the website www.mcuavs.com; check it out! Jan Jackson just hiked up the Panjab trail, He last did the climb on a horse, and this time harder on the legs with 5 miles up and 5 miles down! Kathy Miller invited everyone to the Banner Bank on Friday from 11-2, where they will have hot dogs and root beer floats! Jon Putz donated \$1 in honor of a good friend who was getting married in two weeks. Cindy Johnson said she didn't know that she was Jon's good friend, but confirmed she was getting married on August 8th. Larry Lowry said he celebrated his 33rd birthday while in California (that's 33 x 2!), and also said he would pay for the wimpy ringing of the opening bell for today's meeting.



Program

Gordon Bopp introduced today's speaker, Dr. James Conco, from UVA Ventures, whose expertise is in science and nuclear issues. He has had a long career of positions in New Mexico and Washington. His topic today is "Geopolitics of Energy: Achieving Sustainable Energy". Dr. Conco outlined some of the current statistics: For the past 40 years, 2/3 of the energy produced in the U.S. is from fossil fuels; coal, gas and oil, with the remainder split between nuclear and hydro. This varies between states but Washington has a higher percentage of hydro, while other states have more dependence on coal or gas generation.

China is a big factor in the world's energy scene, as they have built many coal fired generating plants that have fueled their economic growth in the past 10-12 years and brought power to many more Chinese. They currently import a huge amount of coal that generates more than



70% of their energy consumption. To begin to change the sources of fuels to meet the world's energy needs, there will need to be more focus on construction of nuclear generating facilities, and China has very ambitious plans to increase its nuclear generation of energy in the next decade.

Presently the world is using about 17 trillions Kilowatt (kW) hours (the measure you see in your bill) per year. The United States using about 4 trillion kW hours of that total. It is going to keep growing, so to increase energy capacity and access, particular to areas of the developing world, it means Europe, North America, and parts of Asia and South America, that are consuming most of the world's energy, would need to shift their sources and conserve while supporting economic growth. In addition the world needs to address the needs of 1.6 billion

people, mostly in Africa and Asia, who have little or no access to power.

Dr. Conco stated that access to reliable energy is essential to a good quality of life, with about 3000 kW hours per person, per year needed for that "good life". He said it was important to examine the real costs of energy generation by the different sources including coal, gas, oil, nuclear, hydro, solar, wind and bio-fuels. These calculations need to include the cost of building the infrastructure i.e. coal plant versus gas fired plant or hydro, environmental considerations and costs over the lifespan of the facilities. Total costs (not prices) of these sources per kW hour over the lifetime vary from wind and solar which remain higher at 7.5 cents and 9.3 cents, to gas and coal at 5 cents and 5.1 cents, to nuclear and hydro at 4.1 cents and 2.7 cents. He cautioned that other issues must be

Richland Rotary Members

Judy Addis (7/89)	Walt Kirkpatrick (9/70)	Greg Tripp (6/11)
Steve Arneson (3/02)	Phillip Koech (8/13)	Cynthia Vaughn (12/14)
Jeremy Asmus (10/07)	Art Kohler (2/87)	Sam Volpentest (1/95)
James Bauer (1/09)	Dave Larkin (4/04)	Greg Warner (3/00)
Linda Bauer (1/09)	Pam Larsen (2/95)	Tom Watkins (9/11)
Bob Best (4/90)	Bob Larson (6/90)	James Watson (4/12)
Tom Bock (3/76)	Phil Lemley (6/06)	Ken Williams (12/00)
Gordon Bopp (5/04)	Tim Lewis (10/03)	Hal Williamson (4/88)
Madeleine Brown (3/13)	Yosen Liu (1/91)	Mike Winegardner (11/09)
Blaine Carr (12/09))	Larry Lowry (10/05)	Jacqui Wright (12/13)
Tom Cowan (4/80)	Bing Manawadu (10/86)	
John Darrington (1/11)	Mike McAndrew (2/07)	
Jeanne Dillner (8/01)	Patrick McBurney (6/09)	
Barbara French (11/98)	Grant McCallum (9/91)	
Julie Funfar (7/13)	Bill McCue (3/94)	
Linda Gilmore (4/12)	Jerry McGuire (3/95)	
Jan Griffin (9/00)	Kathy Miller (6/12)	
Linda Gustafson (3/08)	Ian Napier (11/08)	
Al Haggerty (4/12)	Bob Nichols (8/97)	
Patricia Haggerty (4/12)	Greg Oberg (1/88)	
Leslie Hawkins (11/12)	Tom O'Brien (11/98)	
Drew Haninger (4/15)	Jon Putz (5/81)	
Pat Hollick (8/10)	Dick Richter (6/08)	
Diahann Howard (4/08)	Robert Rivera (7/09)	
Jan Jackson (6/00)	Pete Rogalsky (7/05)	
Rick Jansons (10/09)	Gary Scofield (2/75)	
Larry Jecha (8/97)	Rick Schulte (6/14)	
Darrel Johnsen (8/97)	Anjan Sen (11/96)	
Cynthia Johnson (6/09)	Chris Senske (1/80)	
Stan Jones (10/07)	Bill Siefken (4/87)	
Roy Keck (10/04)	Mike Sinclair (1/11)	
Scott Keller (7/02)	Chris Smith (8/10)	
Shelley Kennedy (9/02)	Mark Smith (3/01)	
Tom Kirchner (3/81)	Bob Tibbatts (6/03)	

Honorary Members
Bob DeLorenzo, Jack Zinn & General James Mattis

Number of Members
as of July 1, 2015

79

Current Members:

77

Gained: 0

Lost:

Kim Pietrok & Chris Meiers



Be a gift to the world

weighed against these costs. For example, coal may look like the cheapest alternative but you need to measure health consequences as coal generated energy comes at a high cost to the environment and the population's health. There are a lot of factors to examine in making decisions on energy in the coming years, but the global geopolitics of the 21st century means we need to look at the big picture, across the world.

Hal's Humor

A man goes to the Doctor, worried about his wife's temper.
The Doctor asks: "What's the problem?"

The man says: "Doctor, I don't know what to do. Every day my wife seems to lose her temper for no reason. It scares me."

The Doctor says: I have a cure for that. When it seems that your wife is getting angry, just take a glass of water and start swishing it in your mouth. Just swish and swish but don't swallow it until she either leaves the room or calms down.

Two weeks later the man comes back to the doctor looking fresh and reborn.

The man says: "Doctor that was a brilliant idea! Every time my wife started losing it, I swished with water. I swished and swished, and she calmed right down! How does a glass of water do that?"

The Doctor says: "The water itself does nothing. It's keeping your mouth shut that does the trick".

ATTENDANCE, A ROTARY COMMITMENT

Meeting Dates of Local Clubs

Richland Riverside.....Monday, Noon
Anthony's Home Port Restaurant
Columbia Point Drive, Richland

Richland.....Tuesday, 12:10 P.M.
Red Lion Hotel/Hanford House
802 George Washington Way, Richland

Pasco-Kennewick.....Wednesday, Noon
Clover Island Inn
435 Clover Island Drive, Kennewick

Columbia Valley Daybreak...Thursday, 7:00 A.M.
Tri-Tech Skills Center
5929 W. Metaline, Kennewick

Columbia Center.....Thursday, Noon
Bingo Boulevard
6222 W. John Day Ave., Kennewick

Tri-Cities Sunrise.....Friday, 7:00 A.M.
Red Lion Hotel Pasco, 2525 N. 20th, Pasco