

# **RICHLAND** **ROTARY REACTOR**

**May 3, 2016**

• *Editor: Pat Haggerty*  
• *Editor Emeritus: Hal Ellner*  
• *Design: Jan Jackson*  
• *Web Site: [www.richlandrotaryclub.org](http://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 May**

10th – Rick Schulte, Scholarship Luncheon  
17th – Kathy Lange, Arts Center Task Force  
24th – Judge Spanner, Law Day  
31st – Greg Oberg, Exchange Student

## **Preliminaries**

President Larry called the meeting to order, and Darryl Johnson led us in “Take me out to the Ballgame”.

## **Guests & Visitors**

There were no guests today, but Don Miksch was visiting from Tri-City Sunrise club.

## **Announcements**

Gordon Bopp let the group know about the NAMI (National Alliance on Mental Illness) walk. They are sponsoring an annual Walk for

Washington, part of the National Walk for the



Mind of America. The funds the local group gets from these events help them put on training programs for local Police and other emergency responders for dealing with the mentally ill, and for family members of the mentally ill. He passed around sign ups for donations.

Don Miksch came up to tell people he was NOT there to sell raffle tickets, apologizing to Pat Haggerty that she would not be able to win another cruise. To raise funds for Dr.



Guzek's work doing cataract surgeries in Africa, the Sunrise club is sponsoring a basketball tournament. It is called See 3 Slam and will be held July 9 to 10, 2016. It is 3 on 3 games and anybody can put together a team to play in any of several divisions. There will also be a one on one shoot-out for a new Subaru Cross-trek. Don was letting us know so we can

## **PAUL HARRIS FELLOWS**

Judy Addis (2S)(B)	Larry D. Jecha	Jerry J. McGuire (B)	Sam R. Volpentest (2R)(B)
Steve Arneson (1R)	Darrel Johnsen (2S)	Kathy Miller (5S)	Tom Watkins (D)(B)
Jeremy Asmus (2S)	Roy Keck	Robert D. Nichols	Ken Williams (5S)
Jim Bauer (4S)	Scott Keller	Debbie Noguera	Hal Williamson (DD)(B)
Bob Best (2S)(B)	Shelley Kennedy	Greg Oberg (4S) (B)	Jack D. Zinn (4S)
Tom Bock (1R)(B)	Tom Kirchner (1R)(B)	Thomas M. O'Brien (2S)	(B) Benefactor
Gordon Bopp (1S)	Phillip Koech	Jon M. Putz (5S)	(D) Diamond PHF
Blaine Carr (5S)	Art D. Kohler (D)(B)	Cindy Reents (1S)	(DD) Dbl. Diamond PHF
Thomas A. Cowan (4S)(B)	Dave Larkin (D)	Dick Richter (1S)	(R) Ruby
Bob De Lorenzo (D)(B)	Pamela Larsen (4S)(B)	Robert Rivera	(#R) Multiple Ruby
Jeanne Dillner (2S)	Bob D. Larson (4S)(B)	Pete Rogalsky (1S)	(S) Sapphire
Barbara French (D)	Phil Lemley (2S)	Gary Scofield (4S) (B)	(#S) Multiple Sapphires
Julie Funfar	Tim Lewis (2S)	Anjan K. Sen (1S)	
Linda Gilmore (2S)	Yosen Liu (1S)	Chris Senske (1S)	
Jan Griffin (1S)	Larry Lowry (1S)(B)	Rick Schulte	
Pat Haggerty	Bing Manawadu	Bill R. Siefken (1R)	
Leslie Hawkins (1S)	Mike McAndrew (1S)	Mike Sinclair	
Diahann Howard	Grant McCallum (3S)	Mark Smith (5S) (B)	
Jan Jackson (2S)	Bill McCue (1S)	Bob Tibbatts (1S)	

## **Officers**

President .....Larry 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

create teams to sign up and to offer the opportunity to sponsor some other part of the event such as the beer garden/dance. Check out [www.see3slam.com](http://www.see3slam.com) for more information.

Jim Bauer announced the annual highway clean up for May 21st. People will meet at the Red Lion about 8:45 and be out at the site on Highway 240 about 9 am. It should be less than 2 hours to finish. He said he usually tries to do this earlier in the spring, but he was a bit preoccupied. It has been just four weeks since his heart surgery!

Jon Putz reminded the group next week is the Scholarship luncheon. We will be welcoming 14 scholars and families and counselors. Thanks to those who volunteered to help out.

Larry noted a Mother's Day brunch Saturday May 7 by Soroptimist International (an organization devoted to improving the lives of women and girls) 10:30 am to 1 pm at the Shiloh Inn. It is \$30 per person and includes silent and live auctions and other events.

### **50/50**

Dick Richter said there was \$38 in the pot, and Mike Winegardner got the first number, but not the white chip. C. Mark Smith got the \$10 consolation prize.

### **Judge Stan**

Stan Jones started by asking about birthdays and anniversaries. Barbara French and Bob Larson have birthdays this month. Mike Winegardner and Pete Rogalski have anniversaries. Stan put in money himself in honor of the fine young people he met recently at the WSU/Idaho ROTC Awards Banquet. Pete Rogalski said that besides his anniversary he wants to note that he attended another Rotary Club as the speaker and all he got was a meeting make up card. He thought being a speaker was worth more, like maybe a perfect attendance award? The crowd was not sympathetic. Jim Bauer contributed for a new grandson, his sixth grandchild. Tim Lewis was feeling glad to have his wife home after two months in Germany helping out with grand kids. Darryl is expecting a new grandchild due any day and his son is graduating college! Jan Griffin contributed for finishing physical therapy that has made her feel much better and avoided hip surgery. President Larry closed the session with a warm welcome for Hal Williamson and Jack Zinn in attendance today.

### **Program**

Pam Larsen-Brown introduced the speaker today, Kevin Smith, manager of the Department of Energy Office of River Protection (ORP). Smith is a native of Olympia, Washington and is a graduate of the Air Force Academy with a bachelor's degree in physics. He also holds a bachelor's in mathematics and a master's of science degree in management. In addition to being an F-16 Fighter pilot, a Squadron commander and commander in the Air Force, he flew the F-4 and the F-117 Stealth Fighter. Smith also held various leadership positions in the Department of Defense before joining the Department of Energy. His last position before coming here in 2012 was in management of the Los Alamos lab in New Mexico.



The DOE Office of River Protection (ORP) was formed in 1999 when work to empty and treat the radioactive waste in 177 underground tanks was split off from DOE's Richland Operations Office. The Office of River Protection is responsible for DOE's most complex environmental cleanup project. They are responsible for the underground tanks containing various wastes, and the construction of the Vitrification plant for the treatment of the waste. There are about 225 employees, both government and contractor. The major contractors are Bechtel, Wastren Advantage, Inc and Washington River Protection Solutions, Inc, and a budget of about 1.2 billion dollars per year.

The Vision Statement for ORP is "To be a high-performing, innovative organization that is safety-conscious and employee-focused, and committed to achieving our mission with environmental and fiscal responsibility."

One area of work is the emptying of older and leaking, mainly single walled, tanks at various tank farms at the Hanford site. The tanks range in size from 55,000 gallons to one million gallons. They contain various materials, typically combinations of soluble and insoluble salts that are radioactive. There may be crusts of solid material on the surface and heavy sludge at the bottom. There is an estimate 53 million gallons of waste.

The existing system is very cumbersome and inefficient. For the next tank farm they are working on more efficient strategies and have seen a 34% improvement over the old system, as they move material out of the old tanks into double-walled containment.

## **Richland Rotary Members**

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

**Honorary Members**  
**Bob DeLorenzo, Jack Zinn & General James Mattis**

**Number of Members  
as of July 1, 2015**

**79**

**Current Members:**

**74**

**Gained:**

Debbie Nogueras

**Lost:**

Kim Pietrok, John Darrington,  
Greg Warner, Rick Jansons, Drew  
Haninger, Madeleine Brown & Linda  
Bauer



**Be a gift to the world**



The waste must be safely stored until the treatment can begin. The DOE is building the world's largest radioactive waste treatment plant. The Hanford Waste Treatment and Immobilization Plant (WTP), also known as the "Vit Plant," will use vitrification to immobilize most of Hanford's waste. Vitrification involves blending the waste with glass-forming materials, and heating it to high temperature to form molten glass, then pouring it into stainless steel canisters. In this glass form, its radioactivity will dissipate over hundreds to thousands of years while it is safely stored.

The plant contains various structures for pretreatment, low level waste and high-level waste. The plant was started in 2002 and has been designed as it is being built. Under the proposed Consent Decree changes, construction will continue in various parts into 2039. The hold up is over many technical issues involved in the handling and treatment. It is a massive undertaking and there is nothing of this scale anywhere in the world.

The original agreement was to start treating waste by 2022 and DOE plans to try and meet that by focusing on the low-level waste that will not require pretreatment and treat that first. Once the plant is fully operational, it will have the capacity to treat large amounts of waste each year.

Smith also provided some updates on tanks being emptied due to leakage. One tank, AY-102 started being pumped March 3 and is now below the level of the leak. They are also removing material from the annular space in this double-walled tank. He noted that due to radioactive decay, the tanks are typically about 130 degrees inside. In this tank the volume of material is low and the temperature is going down.

DOE is also looking for any technologies that might help. They held a competition and got 44 entries, of which four were funded to investigate further. In addition they are working with WSU and Energy Solutions on a mixing technology. For employee safety they are working with PNNL on improved engineering controls to create a safer environment for work rather the current reliance on protective equipment and administrative controls (such as restricting access).

### **Hal's Humor**

Phil Green visits his dentist because he feels something is not quite right in his mouth.

Dr Ansari, his dentist, examines him and says, 'Phil, that new upper plate I put in for you six months ago is eroding. What have you been eating?'

Phil answers with a slight frown, 'All I can think of is that about four months ago my wife made some asparagus and put some stuff on it that was delicious – Hollandaise Sauce, I think it was. I loved it so much I now put it on everything: meat, toast, fish, vegetables, everything.'

'Well,' says Dr Ansari, 'that's probably the problem. Hollandaise sauce is made with lots of lemon juice, which is highly corrosive. It's eaten away your upper plate. I'll make you a new plate, and this time use chrome.'

'Why chrome?' demands Phil.

To which the dentist, replies, 'It's simple. Everyone knows that there's no plate like chrome for the Hollandaise.'

### **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

**Mid-Columbia Rotaract**.....Every other Monday, 4:30 P.M.  
Fire & Brimstone, 1022 N. Columbia Center Blvd, Kennewick