Note: We have hearing devices For enhanced listening

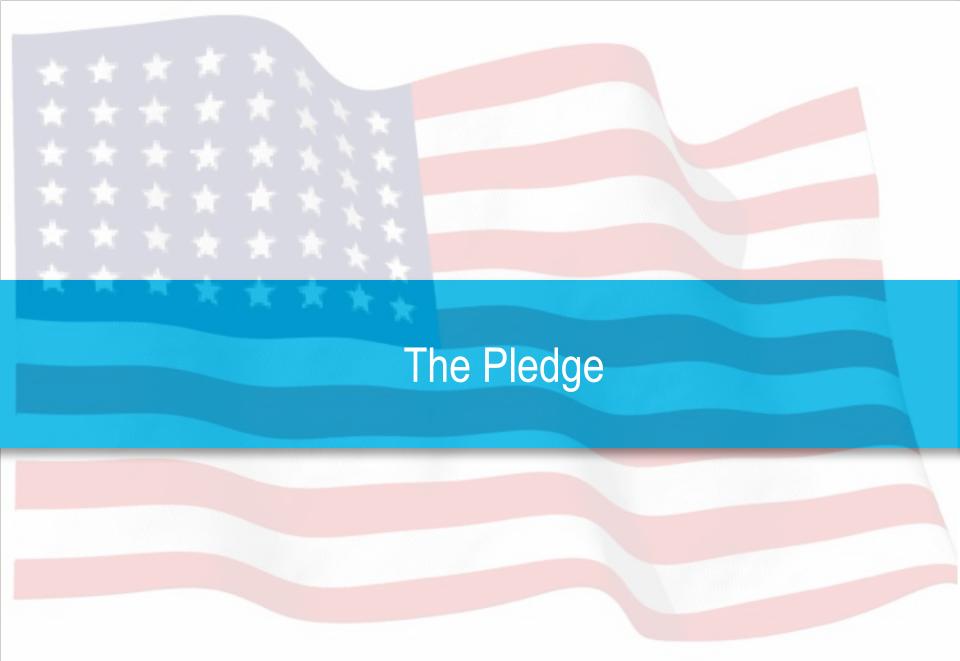




Lake Oswego Rotary

Club Meeting (April 27th, 2015)









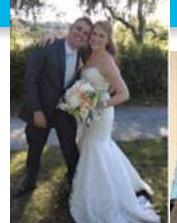


Member Highlights – Doug Jost



Member Highlights: Doug Jost

- Born: Portland, OR
- Raised: Lebanon, OR
- BS Business; So. Oregon College
- Married to Cyndi Murray
- Son Tyler lives with wife in Charleston, SC
- Insurance broker in California & Oregon
- Bechtel Const, Riyadh, SA
- Jost, Stidd & Ass., Lake Oswego
- Served as Director of LORC, LO Chamber
- Served as LOSD Finance Committee Mem
- Royal Rosarian Member
- Enjoys Tennis, travel.









Member Highlight: Doug Jost











Visitors & Guests



Welcome

Opportunities to Visit Friends

- Vic Keeler Recovering from Back surgery at the Pearl, on Carmen Dr.
- George Mackin In hospice at Mary's Woods Rose Marie Center @2:00pm.



Lobster Feed 2015





Water Africa

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APRIL 23, 2015 BY WATERAFRICA

Meet Our Donors: 12-Year-Old Karthik Sreedhar

Two weeks before Walk-Water8, Gary and Judi Mittelstaedt gave a presentation to the Lake Dowego Rotary International Service Club. (Read about the suprise dotation we received theret) Later that evening, WaterAfrica received an unexpected email from 12-year-old Karthik Sneedhar, a student at Lakeridge Junior High. Karthik had also attended the LO Rotary meeting that merning to receive the \$100 prize for his winning submission in an essay * speech contest.

In his email, Karthik said he was very interested in the WaterAfrica information held heard that day. Unable to attend the Walk because he was going to be out of town, Karthik said he wanted to donate his prize money to WaterAfrica to provide clean water for people living in rural Zambian villages.

Responding to this remarkable email, Gary and Judi arranged to meet Karthik and his family. They learned that Karthik spends his time and energy learning and practicing taekwondo, tennis, Chinese language, viola, and piano. He loves cars and dreams of owning a car manufacturing company some day. Karthik's parents are both electrical engineers and his sister is a 17-year-old senior at Lakeridge High School, most likely choosing Cal Tech out of many top options next year.



Karthik told Gary & Judi that when he heard them speak about life in rural Zambia, explaining how \$50 will provide a life-time of clean water for one person, he looked down at his shoes and realized they cost more than that! As he reflected, **Karthik concluded**



that he didn't really need the shoes. In fact, he didn't need anything. He thought about how he could shower and get a drink without giving it any thought. This moment of realization also resonated with Karthik's interest in conservation of natural resources and he responded by choosing to give his prize money to WaterAfrica - providing lasting clean water for 2 people living in rural Zambia!













Iraqi Children Donation

00583000

EDUCATION:

SPORTS

OBSTRUMES COMMUNITY CALENDAR

Fustured Stories OO Slaurre haven't taken their bost abot at Memphis - posturat annual annual a





Rotary helps 'Soccer Salam' bring smiles to Iraqi children

Church on Thursday, p.y. April 2015 10 100 1 Westure by (2017 Knot) 1 🚓



families in war-torn nation

all about."

of your generous donation."









III a Companie Share

25 Apr Donations from Lake Oswego go toward nonprofit's efforts to aid

2075

Lake Oswego

Local Weather



Partly Cloudy

Humbly 86%

Wind 3 right



26 Apr









services relating to:

- Aging
- Disabilities
- Veterans
- . Housing resources
- . Meals
- Legal resources Medicare help
- That donation went far beyond sports equipment, of course. It was a gift of fun, a break from the horrors of war, and it impacted the lives not only of the children who received new soccer balls but also of the Rotarians who sent

Services. Acroin stocked by the Lake Companition of Using the heaving of Stock in the war fact region

Members of the Lake Orwego Rotary Club-expected nothing in return when

they collected funds for a program that supports the children of war-torn lesq.

After all, Rotarian Lynn Wintermute says, "this is what being a Rotarian is

But it's hard not to look at the smiles on the faces of Iraqi children when they

opened crates from a "Soccer Salam" airlift in January and not feel somehow

"As always, the faces of the children are the most special," Cindy Fogelman, U.S. liaison and executive director of the Iraqi Children Foundation, wrote to

Rotary Club members in March. "I hope it warms your hearts to see the impact.



■ Daily News Where you Live

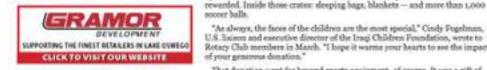
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King City	Portland SE	Woodburn
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■ News

- Classified employee union endorses Barman, Waltin
- w Russey helps "Succest Balans' bring uniles. (is triag) shilldress
- City Notes
- . Runnin' down a dream
- * Palice Log

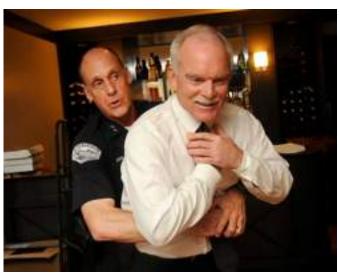


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News Makers









Volunteer Opportunities Available

- Peace Village: (May-June) Sign-up sheets available with Joyce Henstrand
- Lakeridge Jr High: (May 13,14) Contact Linda Brown
- Sculpture Cleanup: (May 2nd) Contact Barry Sheldahl
- LOHS Scholarships: (May 15) Contact Brian Bice
- Interact Club: (Now) Contact Ted Ricks



Rotary Events

- PR Committee Meeting, after this meeting
- Vocational Service Meeting, 5:30pm, Griffon May Bldg
- Willamette Rotoract, Tues 7:00pm, Heritage House
- Sculpture Cleanup, Sat May 2nd 9:30am, Arts Council office











Program: Why are Drugs so Expensive?

Dr. James White



Speaker: James White

- Education: BA- Cambridge, MSc- UBC, PhD- MIT
- Assoc. Prof: Harvard University
- Distinguished Prof. Emeritus OSU (Present)
- Consulting: Merck, NIH, Celera, Bingham-McCutchen
- Some of the Awards:
 - Eli Lilly Grant, NIH Career Development
 - Sigma Xi Research Award OSU
 - Japan Society for the Promotion of Science Fellowship
 - Oregon Academy of Sciences: Outstanding Scientist Award
- VP, International Society of Heterocyclic Chemistry
- Chair 13th International Congress of Heterocyclic Chemistry
- International Editorial Advisory Board, Heterocyclic Chemistry
- Royal Society of Chemistry Task Force





WHY ARE DRUGS SO EXPENSIVE?



"We have been fighting about drug prices since the snake oil salesmen pulled their wagons to town. We rarely have a discussion about value"

 $Robert\,M.\,Goldberg,\,Center\,for\,Medicine\,\,in\,\,the\,\,Public\,\,Interest$

"What we see is King Kong versus Godzilla. The pharmaceutical industry is very powerful, as is the insurance industry. And they are playing hard ball over price"

David Evans, Director of Research Advocacy, Project Inform

"You look at a lot of things. You look at the current marketplace; you look at how things are being used; you look at the number of agents that are valuable in second-line; you look at the value that you are bringing into the marketplace; and you look to set a responsible price . . ."

Paul Hawthorne, VP at Sanofi U.S. talking about Zaltrap for colorectal cancer

"There's no comparable drug. And this truly is a breakthrough, offering much more value than what's out there. If their only concern is what the market will bear, they're going to get that price."

David Orenstein, Co-director of the Palumbo Cystic Fibrosis Center, talking about Kalydeco

"It is not a science. It is a feel."

Henri Termeer, CEO of Genzyme

Drugs Approved by FDA (2012-2014)

- 2012 **39** (largest in 15 years)
- 2013 **27** (9 first-in-class)
- 2014 **41** (16 first-in-class, 7 approved in 12/14)

Highlights of 2014 FDA Approvals

- 40% "orphan drugs" (best ever for rare diseases)
- 12 new drugs for infectious diseases (4 antibiotics)
- 8 new drugs for cancer (including new immunotherapies)

Cost

- Current cost to pharma company of developing and commercializing a drug
 is \$2.6 billion (145% increase corrected for inflation over the past decade)
- Average length of time of drug from bench to market $10\ \mbox{years}$

Examples from 2012

Kalydeco (Vertex Inc)

- Fastest approval by FDA, treats underlying cause of cystic fibrosis (improves breathing, reduces infections and projects increased life expectancy by three fold)
- \$841/day for two pills (= \$307,000/year)
- Treats only 4% of CF patients (≈ 3,000 worldwide)
- Payment approved by U.S. (Medicare and Medicaid) and most private insurers
- Modifications of Kalydeco in Vertex pipeline to treat other forms of CF

Zaltrap (Sanofi Inc)

- Treats advanced colorectal cancer, increases life expectancy by 1.5 months
 (similar to Hoffmann-LaRoche's Avastin approved in 2004 for treatment of
 colorectal cancer)
- \$11,000/month (Avastin is \$5,000/month and had \$6 billion in global sales in 2012)
- Sloan-Kettering publishes trial results showing Zaltrap no better than Avastin
- Sanofi drops price to \$5,500/month
- Payment denied in Europe

The Latest (2014)

Sovaldi (Gilead)

Viekira Pak (AbbVie)

- Both drugs cure 90% of patients with hepatitis C in approx. 12 weeks with minimal side effects
- One pill/day @ \$1,000/pill (Gilead) = \$84,000 but Pharmasset (which
 invented Sovaldi and was acquired by Gilead for \$11 billion) would have
 sold Sovaldi for \$36,000 for full treatment (public filing)
- Previous hepatitis C drugs gave 30% cure for \$30,000 or 60% cure for \$60,000 but showed serious side effects

"Access is proportional price. It doesn't matter if you bring great drugs to market if no none can afford them."

Steve Miller, Chief Medical Officer of Express Scripts

The Future (2015 - ?)

• Amortization (spread payments over time)

"We are going to have to think about how to bring real financial services constructs into these transactions. And one of these is amortization"

Scott Gottlieb, American Enterprise Institute

Price controls

Democrats on Capitol Hill favor controls but Republicans oppose (surprise!)

• Accelerate FDA approval

"The faster you get medicines to patients, the lower the cost will be."

Robert M. Goldberg

Innovation

A new wave of high-tech drugs like Sovaldi is in the pharma pipeline. Pressure is on by Congress and public interest groups to keep costs manageable. Stay tuned!



THANK YOU!

