



Meeting Date: July 20, 2023

Day Publisher: Steve Clark

How Dried Poop Can Save the World

OPENING

President **Jen Finnegan's** third meeting was an interesting affair, so let's get started. For starters, every attendee today received a commemorative lapel pin celebrating Redding Rotary's 100th Anniversary. President **Jen** has declared the only way to get one is to attend a meeting and pick it up when you sign in. It's a beauty, large enough to require two pins and heavy enough to stretch out your collar. Don't miss out.



To everyone's disbelief President **Finnegan** maintains possession of her Rotary Bell, however she opened the meeting with the admission that she had lost her marbles – literally. The life of a Rotary President is busy one, replete with multiple scurries to bundle materials from the car to the meeting, and in last week's haste she had left her marbles at the Riverview venue. Not to worry, as **PP Dave Gerard** rescued them and, after a not-so-mild \$50 fine, returned them to our beleaguered President.



After the *shenanigans* Team 3 Co-Captains **PP Amelia Ward** and **Wayne Martin** opened the meeting. Greeters were **Randy Smith, Cindy Fisher** and **Wayne Martin**. Keyway Greeters were **Phil McCarthy** and **Ian Stripling**. **Dee Domke** pushed President's Fundraiser tickets and led us in the Pledge. **Rick Fauss** gave the invocation, **Cindy Fisher** doubled as Sargent-at-Arms and **PP Jake Mangas** excelled as photographer. **Jerry Kelley** handled the AV table and **Jack Kimple** provided a bottle of Earthquake wine for the raffle prize. **PP Lou Gerard** introduced guests and visitors.

ANNOUNCEMENTS

President Elect **Wendy Dickens** reminded the club to keep an eye on your emails for information regarding the Second Annual River Float 2023. **Brian Scarr** will be leading this effort and the date is yet to be determined.

On August 17th there will be a Team 9 Mixer at CR Gibbs.

President Finnegan is implementing a new award. Any team that achieves 90% attendance at a meeting will receive some prizes. Prizes to be determined. All captains please encourage your team members to participate.

A Polio Plus update by **Jack Kimple**: fundraising was up 13% over the previous year. As of last week there were six known cases worldwide, all of them in Afghanistan and Pakistan, so eradication is close, but we are not yet there. You are encouraged to investigate ways to support Polio Plus.

President Finnegan brought everyone's attention to the DOCUMENTS section of the Redding Rotary website. There you can find the Check Request Form, previous copies of The Spillway, Bylaws, revised bylaws, the Constitution and Board Meeting notes. Hover over MEMBER INFO and then click DOCUMENTS from the drop down. The Password for this year is Finnegan2023 .

PP Ed Rullman reminded the Club there is a renewed focus on quality Program presentations, and also that the Meeting on July 27th will be at Simpson University as we get an update on the Sites Reservoir. In addition, the Program Committee is working with the City to arrange a tour of the new Courthouse. Nice job, **Ed**.


HISTORY MINUTE

1949 was our club's Silver Anniversary (25 years). The year was recognized in our Spillway newsletter, Volume Two.


That means that our Spillway newsletter has been around for about 75 years!



BIRTHDAY MONTH!



Member Birthdays	Birthday
Hatch, Rachel (RACHEL)	Jul-09
Barzin, Dara (DAR)	Jul-10
Dickens, Wendy (WENDY)	Jul-11
Stewart, Ray (RAY)	Jul-11
Smith, Randall R. (RANDALL)	Jul-12
Johannessen, K. Maurice (K. MAURICE)	Jul-16
Tate, James D (JAMES)	Jul-18
Montague, Jason (JASON)	Jul-19
Flack, Martin (MARTIN)	Jul-20
Brown, Melinda (MELINDA)	Jul-22
Mangas, Mike (MIKE)	Jul-24
Davis, Kristi K. (KRISTI)	Jul-26
Poch, Eugene F. (GENE)	Jul-28
Finnegan, Jennifer R. (JENN)	Jul-30
Olmstead, Larry (LARRY)	Jul-31



RECOGNITIONS



Jack Kimple shared some beautiful photos of his trip through Central and Western Oregon. He strongly recommends hiking the Upper Deschutes River Trail. Lots of fun and worth \$100 to the club.

PP Mark Ball represented our Redding Rotary at the recent District Awards. Seems retirement has not been kind to **Mark's** neck tying skills, causing his wife, **Kelly**, to seek assistance from a complete stranger in the lady's room who subsequently tied the tie *backwards*! **Mark** was ultimately able to figure it out and the hi-jinx was worth \$100 to the Club. Thanks, **Mark**! During the event our Club was nominated for Best Fundraising Event in 2023.



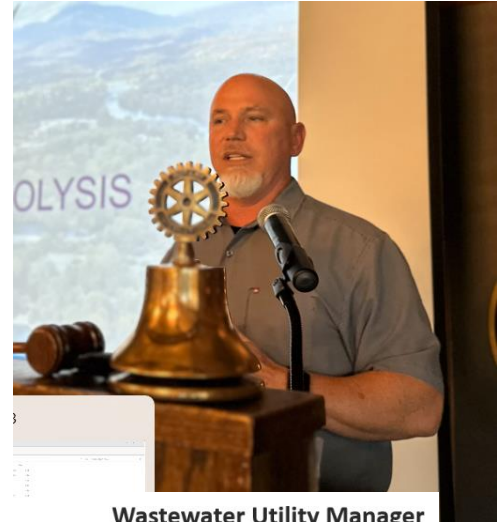
If it weren't for our intrepid **Eva Jimenez** most of the club may never have known what the Magic Mike show is. Still don't know? Google it, just don't Google it on a company computer! What followed was a G-rated rendition of **Eva's** baby girl's 21st birthday celebration. **Eva** is a true character and her delivery was not to be missed. Worth \$100 to the Club and 1 Haunted House ticket to Pathways to Hope.



PROGRAM: PYROLYSIS

Today's program was brought to us by **Josh Vandiver**, Wastewater Utility Manager for the City of Redding's Public Works Department where he has worked since 2003. A former Master Sargent in the Marine Corps, **Josh** has a BA in Public Sector Organizational Leadership from Simpson University.

Wastewater: not your usual lunchtime program. Where does it go and what do we do with it? Redding has about 440 miles of sewer lines and 18 different pumping stations delivering to two different wastewater plants: the Clear Creek plant near Haven Humane and one off Airport Road near the Sacramento River.



Wastewater Utility Manager

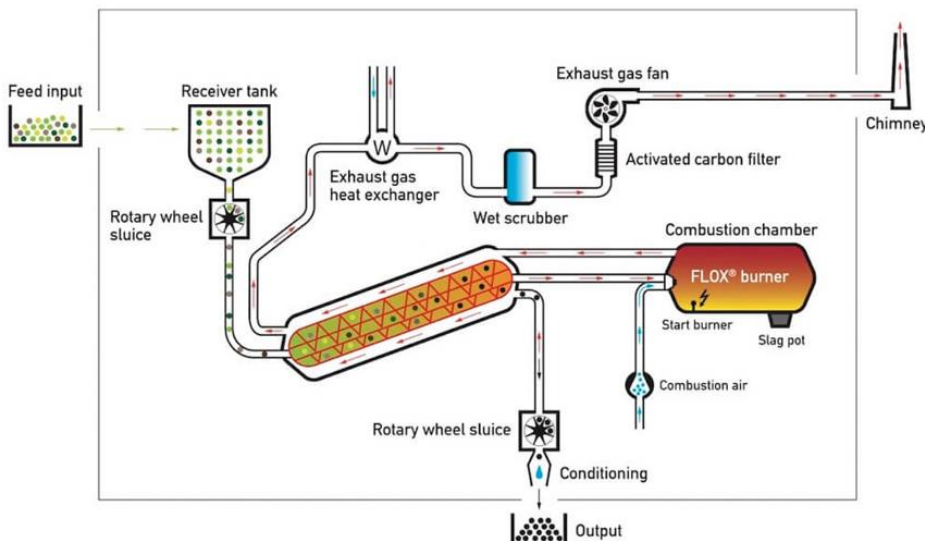
November 2003 to Present

- Overall management of 43 employees over five divisions.

- ❖ Administration/Compliance
- ❖ Clear Creek Treatment Plant
- ❖ Collection system
- ❖ Pretreatment/FOG
- ❖ Stillwater Treatment Plant

EDUCATION HISTORY

Bachelor of Arts
Public Sector Organizational Leadership
Simpson University, Redding, CA
Year of Graduation: 2008

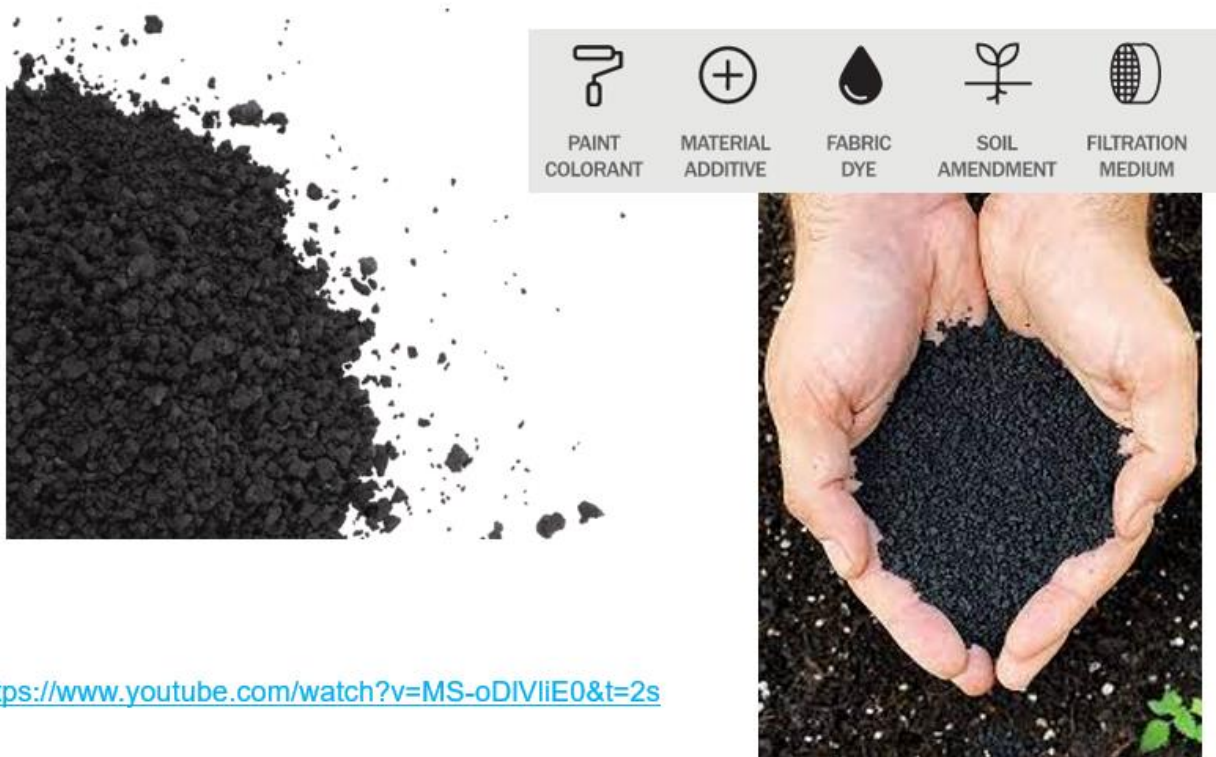


All organic waste share one fate: as they deteriorate and breakdown they create methane, a greenhouse gas believed to be a major contributor to Climate Change. California Senate Bill 1383 mandates the reduction of greenhouse gases by 75% by 2025. Although removing organics from our landfills is a task that will require the cooperation of all citizens and businesses, and not likely to happen quickly, a major source of methane that can be quickly regulated is the bio solids created in wastewater treatment plants. In short, the gross contaminated water in our sewers goes through a process of cleaning at the wastewater plant that, within hours, leaves it cleaner than it was in the river before it entered our water supply. Bio-solids are the by product of this process, and traditionally they have been used as an "alternative daily cover" for landfills. California Assembly Bill 1594 has made using bio-solids as "daily alternative cover" illegal. We still have all the bio-solids, so what do we do

now?

Enter: Pyrolysis. Technically, the *pyrolysis* (or devolatilization) process is the thermal decomposition of materials at elevated temperatures, often in an inert atmosphere. In the wastewater industry, when bio-solids are put through pyrolysis process, they become what is known as Biochar. Biochar is an excellent soil additive, can be used as a fuel, and has a unique ability to sequester carbon. It does not fall under the same legal restrictions as bio-solids, and allows municipalities a variety of diversion and disposal options. Please click the video link below to learn more.

Biochar



<https://www.youtube.com/watch?v=MS-oDIVliE0&t=2s>

Although the topic of Pyrolysis is much more complex than can be detailed here, it is indeed a promising new technology.

Jason Montague pulled a blue marble for the President's Fundraiser and **Andy McCurdy** took home the bottle of Earthquake Wine.

Finally, if you have not yet completed a Pledge form it is included at the end of this newsletter.

BING!



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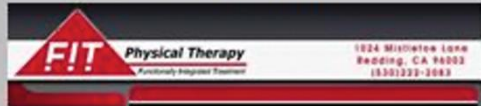
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The Rotary Club of Redding
Rotary 2023-2024 Annual Pledges

Name: _____

Date: _____

Dear Redding Rotary Member,

Each year our club expenses are met through dues, *pledges*, and fundraisers.

You may pledge amounts to each of three categories. If you are 'recognized' during a meeting for some outstanding or ignoble event, amounts you volunteer will be deducted from these pledged amounts.

1) The CLUB:

These funds are used for any and all club expenses throughout the year.

2) The Club's FOUNDATION:

These funds are used to directly support club projects like scholarships, Food for Thought, Adopt-a-Family, Thanksgiving, local grant making, environment, honor to youth, etc. (The Rotary Club of Redding Charitable Foundation is a 501©3 organization.)

3) The RI Foundation (Paul Harris):

These funds, when paid, are forwarded on your behalf to Rotary International's foundation to support many charitable projects. In addition, after three years, 50% of these funds are returned to our district to be made available as grants for club projects. For instance, these funds have come back to support Food for Thought and our international exchanges with forestry professionals from Belarus, government youth advocates from Ukraine and Fire Fighting professionals from Spain.

Please review this sheet carefully to determine where you want your charitable dollars to make their impact. The club suggests a minimum of \$100 to each category annually.

*****!!! This year, you will be billed for any unrecognized pledge amounts on your May 2024 invoice!!!*****

Yours in Rotary service,
Mary Brace
Secetary, RCR/CF

The Rotary Club of Redding

The CLUB

Pledge Amount: \$ _____

The Club's FOUNDATION

Pledge Amount: \$ _____

The RI Foundation (Paul Harris)

Pledge Amount: \$ _____

A Paul Harris Fellowship is earned from Rotary International when you accumulate \$1,000 total given to The Rotary International Foundation. A Multiple Paul Harris Fellow is recognized for every \$1,000 given thereafter.