



Meeting Date November 15, 2018

Day Editor and Production: Dave Dennis

## Timber Salvage Following a Fire

This week's meeting was brought by Team 4 Co-Captained by **PP Amelia Ward** and **Susie Michiels**. **Amelia** being out of town, it was the **Tiger** and **Susie** show.

**Tim Thomas** led the pledge, the invocation was by **Jake Mangas**, and **Tiger Michiels** introduced visiting Rotarians and guests.

**Announcements:** **Dee Domke** needs Salvation Army Bell Ringers. This is a long standing project of our club. We ring bells and collect donations for the Salvation Army. Call **Dee** and she can tell you what shifts are available. We ring bells for two hour shifts at various business in the Redding area. Please try to help.

**Erik Poole** announced that on December 15<sup>th</sup> from 10 am to 2 pm at St. Joseph's School there will be a free CABI clothing give away for victims of the Carr Fire.

**Birthdays:** Today was **Amelia Ward's** and **Courtney McEvlain's** birthday. To honor them, we sang Happy Birthday. **President Greg** also had a birthday and was presented with a rhubarb pie, his favorite.



**Pres. Greg and his birthday pie**

Phone ringing: Tim Thomas' phone went off during the meeting which caused him to contribute \$100 to his Paul Harris. Thanks Tim.

**Traffic on Bechelli Lane.** **John Dunlap** announced a meeting this Wednesday, November 20<sup>th</sup>, at 6:00 pm at Riverview to discuss the impact of the traffic generated by the new proposed Costco located off Bechelli Lane and Bonnyview. The presentation will include the proposed final layout of South Bonnyview Road, Bechelli Lane, and Loma Vista Drive.

**Rick Fauss** announced that November is Rotary Foundation Month. The first 20 people who give at least \$100 toward their first Paul Harris will have a club match of 100 recognition points.

**Foundation video:** A video was shown outlining some of the work of the Rotary Foundation in India. It was very touching and highlighted some of the good works being done.

**New member induction:** **Laurie Baker** was inducted into the club today. **Laurie** was co-sponsored by **Jennifer Finnegan** and **PP Ed Rullman**. **Laurie** is the General Manager of the Shasta-Cascade Wonderland Association. Welcome to the club, **Laurie**.

**Honor to Youth:** **Larry Lees** introduced UPrep Principal and Superintendent **Shelley Peterson**, who then introduced **Sheetal B.** as the recipient of this month's Honor to Youth Award. **Sheetal** is a junior at UPrep, with plans to become a physician.



**L-R Shelley Peterson, Sheetal B., President Greg**



**L-R Jennifer Finnegan, Laurie Baker, PP Ed Rullman, President Greg**

**Sheetal** is an accomplished pianist and violin player. She currently plays violin with the North State Symphony. She is the President of the Interact Club at UPrep, is active in student government, volunteers at Mercy Hospital, and excels at softball and basketball. I could go on, this is a very accomplished young woman and well deserving of this award. Congratulations, **Sheetal**.

**Rotary Thanksgiving:** Every year our club buys and distributes food for Thanksgiving to families in need. This year, we distributed 275 baskets of food along with a large turkey to families in the Redding area. This committee is co-chaired by **Dar Barzin** and **Bob Allen**. They have a very capable group of co-workers who do yeoman work to make this happen. **PP Pat Corey** gives up a major part of his work shop to store the food and assemble the baskets. Club members who have volunteered to be drivers convene at McHale's Signs on the Saturday before Thanksgiving to pick up the food and turkeys and deliver them to the community.





**Program:** **Dr. Cajun James**, who received her PhD from Cal (Go Bears!), presented a very interesting and thought provoking program about post fire timber harvesting and forest management. She is currently the Research and Monitoring Manager at Sierra Pacific Industries.



**President Greg and Dr. Cajun James**

**Dr. James** reviewed her research which studied how soon to go into a severely burned area and what were the Best Management Practices to reduce erosion and degradation of water quality, as well as enhance the recovery of the burned area.

Often catastrophic fires occur in late summer or early fall in the Western United States. As a result, the fall and winter rains may soon follow causing erosion in the watershed area. Erosion control to start the healing process and to prevent water quality degradation is very important.

**Dr. James** has studied, and continues to study the effects of logging on the recovery process. She has set up control areas, sediment dams, and other monitoring systems to study water

turbidity as a measure of sediment erosion.

I reviewed her research paper, **Immediate Post-Fire Salvage Logging, Soil Erosion, and Sediment Delivery**, published in Oxford Forest Science in June 2018. This was a four-year study following the Ponderosa Fire. During her talk today and in her paper, she pointed out that following a fire, the unlogged areas had higher levels of erosion than the logged areas. This was felt to be due to the increased ground disturbance in the logging areas. This disturbance allowed rain to soak into the subsoil rather than running off and causing erosion and increased sediment deposition into the area's streams.

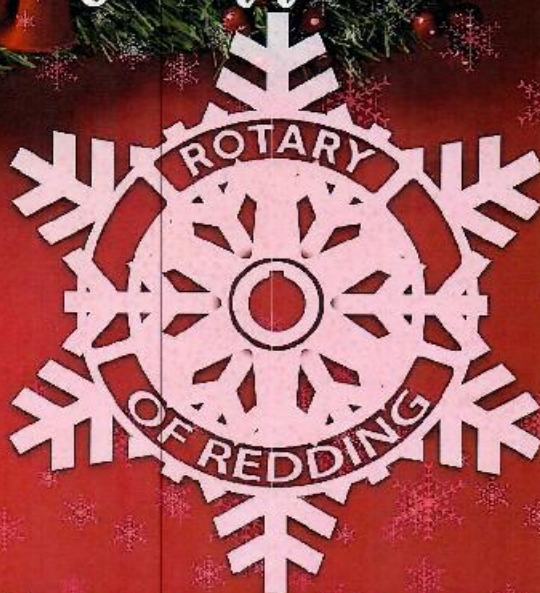
I quote: "The first two years of data indicated that these common salvage logging operations and their associated treatment levels reduced post-fire erosion in comparison to the high severity burned and untreated landscape and that they can be implemented as Best Management Practices. While logging ground disturbance generally results in greater erosion, in this circumstance the salvage logging ground disturbance actually reduced the sediment yield from the burned swales. That relationship highlights the extent to which high-severity fire alone (with litter, duff, and ground cover removal) is a major hydrologic landscape disturbance resulting in substantial erosion."

The conclusion was that going in as soon as possible to conduct salvage logging is a beneficial erosion control practice. Very interesting program.

## Calendar

<b>November 22</b>	<b>Dark -- Thanksgiving</b>
<b>November 29</b>	<b>Carr Fire Recovery</b>
<b>December 6</b>	<b>Santa and the Madrigals</b>
<b>December 13</b>	<b>Dark at Noon -- Christmas Party @ Sheraton</b>
<b>December 20</b>	<b>Past President's Meeting</b>
<b>December 27</b>	<b>Dark -- Christmas</b>

*Redding Rotary*  
invites you to  
*a night of festivities*



**6:00pm – 10:00pm Thursday December 13th, 2018 Tickets: \$25/person**  
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