

**HEALDSBURG ROTARY SUNRISE CLUB
KRUG EVENT CENTER
MEETING SUMMARY**

DATE: Wednesday, 28 October 2015

ATTENDANCE: 34/47 72.34%

PLEDGE OF ALLEGIANCE:

Shaun Shields led the group in the Pledge of Allegiance to the flag.

ROTARY MOMENT/INSPIRATION:

Jake McKee gave a history of the origins of Halloween. He reviewed both the pagan and Christian background for this celebration, basing his remarks on the most reliable of sources of information of contemporary times, i.e. Google and Wikipedia.... We believed everything that he said.

SINGING:

In honor of it being Halloween, the group gave a ghastly (ghostly?) rendition of Bobby Boris Pickett and the Crypt Kickers' song , *The Monster Mash*.

SPECIAL RECOGNITION:

At the completion of our song, all members were requested to remain standing. President Morton gave permission for those who were wearing a Rotary pin or other Rotary apparel to be seated. Those remaining standing were fined \$5 as an encouragement to wear their Rotary pin to the next meeting.

GUESTS:

1. Richard Norgrove, Noon Club
2. John Merget, Noon Club, completing his red badge to blue badge transition by attending the meeting of another Club.
3. Rob Scates, special guest of Shaun Shields, also program speaker for the day

ANNOUNCEMENTS:

1. Richard Norgrove from the Noon Club was here to remind members of the **Noon Club's annual crab feed** which will take place **on December 5 at the Villa Chanticleer**. Sunrise members wishing to volunteer in any capacity are encouraged to do so. Tickets are also available and reservations can be made today. Seating in the fireside room (silent auction), or in booths, is \$60 per person. Seating in the live auction room is \$80 per person.

Noon Club is also having a **memorial for Rob Jacobi**, a long-standing member of the Club who was instrumental in youth services and education. Rob died last month following a massive stroke. The memorial program will be at the Tayman Park Clubhouse on **Sunday, November 15 from 2 o'clock until 4 o'clock**.

2. Pres. Morton reported on the activities at a recent JBOD meeting. Details of a **major fundraising activity** for the coming year will be discussed at our next Club

assembly, to be held next week. Our Club is also responsible for the **SCARC dinner on January 28** that will be held at the Krug event center. He detailed the Club participation at the Chamber of Commerce business showcase on the Plaza in mid-October. The board is also looking into extending our contract with Krug event Center as a meeting place or finding an alternative venue. A decision will need to be reached by the end of December.

RECOGNITIONS:

Barney Brady celebrated a birthday. He was in Joshua tree national Monument. He has made a donation to the sunrise Foundation. Both **Carla Howell** and **Lee Morton** were at Lake Tahoe on separate trips and have made contributions to the Foundation because of all the fun they each had. **Ed Smith** just returned from a trip to Guatemala and also purchased a new car for his wife, Tara. He made a generous donation to Polio Plus. **Manuel Ramos** recently returned from a trip to Disneyland with his family. He brought back a Mousketeer hat emblazoned with President Lee. **Diane Bucher** gave happy dollars because her grandfather is coming home from the Healdsburg Senior Living Center. He is 86 years old.

RAFFLE:

Jack Mallinson held the winning ticket but was unable to read Pres. Lee's mind, which had settled on number 93 of all the numbers between 90 and 100. Jack was way off. He will receive a free breakfast for his intellectual efforts.

PROGRAM:

Rob Scates, Superintendent of the wastewater treatment facility and water plant for Healdsburg presented an overview of the membrane wastewater treatment process for the city of Healdsburg.

He began with a brief history of sewage treatment in Healdsburg. Originally, the treatment plant was located near the intersection of Healdsburg Avenue and Mill Street, namely at the sight of our local Chamber of Commerce. This was in 1911. Sewage was treated in tanks and discharged into Foss Creek, ultimately making its way to the Russian River. In 1936 pipes were added to the system to extend the outflow to a larger treatment plant at the side of the current city Corporation yard on Westside Road. Storage ponds were present at that site and again the water was ultimately discharged back into the Russian River after treatment. In 1970 the site was moved to Foreman Lane and has remained there since that time. A series of holding ponds were established with the water percolating through several gravel pits and finding its way back into the Russian River.

In the early 2000's it was determined that the Russian River was part of the "waters of the United States" and as such discharges into this water shed required treatment to state and federal standards. At that time Healdsburg began a program of advanced wastewater management.

By 2008 a membrane-based wastewater management plant had been installed and was functioning. It had a 1,500,000 gallons per day capacity with a peak capacity of up to 4,000,000 gallons per day. All of the city sewage including sanitary, wastewater and runoff is cycled through the facility.

The facility uses an activated sludge system with several holding tanks for aeration and agitation of the liquids as they come in. Large particulate matter is separated from the water when it comes into the plant. The sludge is aerated and mixed over a period of time. Water is then forced through a system of ultrafiltration tubules which can remove particles down to 0.4 μm in size. The membrane also has bio reactive compliments that facilitate the breakdown of all organic matter. This system is capable of getting rid of all bacteria, viruses and cysts. After the filtration process, the water is passed through an ultraviolet disinfectant system rendering the water essentially sterile and free from particulate matter.

This water is not suitable for drinking but can be used for irrigation and other industrial uses. Initially the plan was to supply this water to a central location in Healdsburg through a 16 inch pipe. This proved too costly and currently the water is distributed through a 16 inch pipe that crosses Dry Creek and terminates at a purple hydrant in front of the site of Opperman trucking. A similar purple hydrant is also present at the treatment facility.

Current regulations, approved by the city and state, allow this water to be used for micro-irrigation of vineyards through drip systems. It can also be used at construction sites for dust control and compaction. There is limited use of this for home landscaping. Current agricultural uses approximately 1,000,000 gallons per month, construction use is approximately 1,000,000 gallons per month and landscape for home use (requires self hauling) amounts to approximately 3000 gallons per day or 100,000 gallons per month. Several wineries have tapped into the pipeline, at their expense, and are using the water in their facilities in the Westside Road area.

The facility produces approximately 1 ton daily of class B bio-solids waste that can be used for soil amendments or as an alternate day fill layer at landfills to help speed the process of degradation and to minimize odor.

This year over 10,000,000 gallons of water processed at the plant have been utilized in the above three categories, saving that amount of water from removal from the aquifer.

The facility is still producing more wastewater than it can handle and some of this is stored in ponds. Some still remains and requires gradual, timed release into the Russian River for ultimate reentry into the aquifer for providing water for downstream users.

Club members were invited to tour the facility on Foreman Lane.

NEXT MEETING:

Next meeting will be on Wednesday, 4 November 2015 at the Krug Event Center.
This will be a formatted Club assembly to talk about fundraising projects.

Respectfully submitted,

Doug Pile, Club Secretary