A WORD FROM OUR PRESIDENT

Dear Citrus Heights Rotarians

What an interesting Vocational tour! Thanks to Mark Cimino, and Steve Bruce for organizing and executing an exceptionally educational event for our Vocational month.

November is Rotary International Fund month, and we will be learning how each of us can take a larger role in achieving Every Rotarian Every Year Status.

The Rotary International Foundation dinner is November 1st and there is room at the table for more singles or couples. Please call me if you want to go.

Yours in Rotary, JM
VOCATIONAL TOUR

The Rotary Club of Citrus Heights Vocational Tour to the Atlas Refuel and Cleanworld Facility on Wednesday, October 15, 2014...

Special Thanks to Steve Bruce for providing us the opportunity to see new technology at work right here in Sacramento...Atlas Waste and CleanWorld in partnership to produce a clean burning fuel.

Introducing Atlas Refuel – Renewable Natural Gas

Atlas ReFuel is produced through Anaerobic Digestion, a biological process in which naturally occurring microorganisms break down biodegradable materials to produce gas, including methane, carbon dioxide and small amounts of hydrogen and hydrogen sulfide. This gas is then cleaned and compressed for use in vehicle engines. The Atlas ReFuel station and digester facility is the largest of its kind in the United States—efficiently processing food waste into a stable, cost-effective fuel source that:

- Burns so cleanly it actually generates carbon credits.
- Eliminates 100% of Greenhouse Gas emissions from landfilling food waste.
- Replaces nearly one million gallons of diesel fuel annually.
- Results in significant cost-savings.

Atlas ReFuel is the way tomorrow will be powered.

CleanWorld is the leading North American innovator in advanced, high-solids anaerobic digestion (HSAD) technology.

Their award-winning anaerobic digestion technology, delivered by the same team and inventor who pioneered it, provides organic waste solutions for growers, food processors, waste management companies, small businesses and communities, while producing clean, renewable energy. They specialize in helping communities and companies achieve “zero organic waste” objectives as part of their sustainability investments toward increasing climate resiliency.

CleanWorld’s Mission: We believe there is a valuable repurpose for everything that sustains us. We are committed to:

- Delivering America’s recycling technology solution for food and organic waste
- Maintaining leadership in anaerobic digestion technology innovation and by-product commercialization
- Enabling industry and communities to meet their zero-waste goals and closed-loop economic objectives

CleanWorld
See Page 9 for additional information.
Rotary Club of Citrus Heights

BBQs and Brews November 14, 2014 6 – 10pm
Everyone needs to sell at least 5 tickets.

BEER & BBQ

Friday, November 14th
5 pm – 9:30 pm
At the Citrus Heights Community Center

Tickets: $35/person (including beer and BBQ)
Buy ‘em at: CHRotary.Eventbrite.com

Compete: $50/team (amateur—per meat)
Contact us at CitrusHeightsRotary@gmail.com for more information

Sponsors:

www.chrotary.org
OBJECT OF ROTARY

• **FIRST**—The development of acquaintance as an opportunity for service.

• **SECOND**—High ethical standards in business and professions; the recognition of the worthiness of all useful occupations; and the dignifying of each Rotarian’s occupation as an opportunity to serve society.

• **THIRD**—The application of the ideal of service in each Rotarian’s personal, business, and community life.

• **FOURTH**—The advancement of international understanding, goodwill, and peace through a world fellowship of business and professional persons united in the ideal of service.

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**UPCOMING MEETINGS/EVENTS**

- October 22, 2014 No Lunch Meeting – 4:45pm Mystery Dinner Instead
- October 29, 2014 Meeting
- November 5, 2014 Meeting
- November 12, 2014 Meeting
- November 14, 2014 BBQ & Brews
- November 19, 2014 Meeting
- November 26, 2014 – NO MEETING

**CHRISTMAS PARTY**

**SAVE THE DATE**

**FRIDAY DECEMBER 12TH**

**STONES CASINO**

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**BIRTHDAYS / ANNIVERSARIES**

**Birthdays**
- Bob Churchill 10/16
- Laura Powell 10/18
- Carlos Verrett 10/27

**Rotary Anniversaries**
- Charlie & Tobi McComish 45yrs
- Jack & Jean Duncan 60yrs
- Dean & Kathy Henricks 44yrs

**Anniversaries**
- Tony David 14yrs
- Carlos Hernandez 1yr
- Lucia Hernandez 1yr
- Christi Woodards 5yrs

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**Need to Make-Up a Meeting**—[CLICK HERE]

**District 5180 Website**—[CLICK HERE]

**Rotary International Website**—[CLICK HERE]

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www.chrotary.org
Citrus Heights Elementary Dictionary Distribution
The students were so excited to receive their dictionary. We still have a few more schools to distribute dictionaries too. Please let us know if you want to help out.

Let’s Help Support our Local Rotary Club—Fair Oaks Uncorked
Rotary Club of Fair Oaks invites you to attend Fair Oaks Uncorked on Friday, October 24 at 7:00pm at St. Mel’s Catholic Church, 4745 Pennsylvania Ave. Fair Oaks, CA Cost is $40 CLICK HERE FOR INFO.
Darnay depends on monthly blood transfusions to treat sickle cell disease.
She keeps on smiling and thanks blood donors for their lifesaving gifts.

BEACON WEALTH STRATEGIES
BLOOD DRIVE

Monday, Nov. 10th / 11 am to 3 pm
Bloodmobile located at 2200 Douglas Blvd.

Make your appointment today!
Log onto bloodsource.org/drives
Enter Location Code: D315

Or call Tom Cicchini at 773-1938 or
email: tom.cicchini@raymondjames.com
Grand Opening & Ribbon Cutting Celebration

Arcade Creek Park Preserve

Saturday, November 1, 2014

1:00 pm

6377 Bonham Circle - Citrus Heights, CA

Join Sunrise Recreation and Park District for the Grand Opening and Ribbon Cutting at the new Arcade Creek Park Preserve. Walk along the restored creek, over the two new bridges and zip on the areas first free public zip line.

There will be fun nature activities for all ages.
CleanWorld
Sacramento
BioDigester
Commissioned December 2012

Designed and built by CleanWorld, using innovative, proprietary anaerobic digestion (AD) technology developed and patented at the University of California, Davis (UC Davis), the Sacramento BioDigester and BioFuel facility represents a unique public-private partnership.

The facility enables the Capital Region of northern California to be a direct recipient of the many economic and environmental benefits of this commercial high-solids AD facility and negative carbon BioCNG fueling station, including helping accelerate the region’s ability to achieve aggressive organic waste diversion goals, provide jobs, and create a closed-loop economy for organic waste. At its construction it was the largest commercial facility of its kind in North America.

Made possible by technology invented by Dr. Ruihong Zhang, a UC Davis researcher and professor, the Sacramento BioDigester was commissioned in December of 2012, and built to completion in less than six months. CleanWorld’s digesters are pre-fabricated, value-engineered, modular-by-design, and require minimal additional water for solid waste digestion - making the system less expensive, quicker to build, and smaller by its footprint.

Project Benefits:

- **Waste Diversion**: Gives public and private waste producers located in the city an environmentally and economically sound alternative for disposing of organic waste.

- **BioFuel for Public and Private Fleets**: Generates 700,000 diesel gallon equivalents (DGE) of renewable compressed natural gas (BioCNG) and diverts nearly 40,000 tons of organic waste from local landfills annually. The fueling station is owned and operated by our partner Atlas Disposal.

- **GHG Reductions**: Reduces greenhouse gas emissions by 20,500 tons annually, as well as produces over 10 million gallons of fertilizer and soil amendments.


Project and Technology Innovation:

- The high loading rate and high-solid digestion capability of CleanWorld's BioDigester technology make it particularly beneficial to institutional, commercial, and municipal solid waste producers.
- The processing system design – a patented three-stage proprietary system – allows for the higher rate capability and a greater yield of methane, among many competitively unique processing benefits.
- This facility produces CNG at the adjacent Atlas Disposal Fueling Station, which is used to fuel their waste hauling fleet in addition to city buses and other private fleet vehicles. This CNG is the only negative carbon intensity fuel commercially available in the United States at the time of commissioning.

Project financing: provided by Five Star Bank, Central Valley Community Bank, the California Energy Commission, CalRecycle, and Synergex. Key project partners include Otto Construction, and the City and County of Sacramento. Additionally, Carson Development Company, Atlas Recycling, Peabody Engineering, TSS Consultants, Frank M Booth, Regatta Solutions, BioCNG LLC, and Vasko Electric have played key roles in the development of the Sacramento BioDigester.

For more information about CleanWorld, please visit: cleanworld.com.

Farm-to-Fork-to-Fuel: The Sacramento BioDigester is a global example of what’s possible in zero waste economies, and in climate resiliency and organic waste management leadership, where the bridges between research and academic discovery and commercialization have been built and crossed. This is the new model for Farm-To-Fork-To-Fuel for organic waste repurposing, the new “Zero Waste” value chain: food grown locally, consumed locally, and anaerobically converted to valuable, sustainable “fuel” byproducts locally, in the form of green electricity (or renewable natural gas RNG), soil enhancements, cleaner air, and cleaner land.