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Free Coffee Day!

To celebrate those employees with birthdays in August (see Birthdays on page 3), there will be free coffee from the vending machine starting early AM on Monday, August 21 through early AM Tuesday, August 22.

ENJOY!
HAPPY BIRTHDAY TO ALL!

Improvement Idea Winner By Scott Wagner, Plant Mgr.

Congratulations to **Chris Kent**, Furnace Operator, first shift, for being the Improvement Idea winner for July. There were 12 ideas submitted in July. **Chris, Paul Moss** and **Ryan O'Donnell** submitted two ideas each. **Tom Felder, Jim Forbes, Chris Hainey, Frank Rapine, Theresa Scargill,** and **Greg Smith** submitted one idea each. Thank you all for letting us know your ideas for improvement here at Rex.



Chris's idea is to install a steel plate along side of 140 water quench tank. There are pvc hoses and gauges along the side. The plate will protect the hoses and gauges from the heat when we open the door to 140 furnace.

The next improvement idea spin will be held on Monday, August 21, at 3:10 pm in the Induction area. Chris will be drawing the name of one employee for the "Monthly Employee Appreciation" spin. Come to the spin to see if your name is chosen. Then you will be the lucky person taking a spin on the Rex Wheel of Chance.

Can you think of an idea for improvement here at Rex? Write it down on a piece of paper and drop it into the box outside the Production office door. You could be the next winner taking a spin on the Rex Wheel of Chance.

**DEADLINE FOR AUGUST IMPROVEMENT IDEAS
WEDNESDAY, AUGUST 16, 9 A.M.**

Monthly Winners

By Scott Wagner, Plant Manager



Chris Kent, June Improvement idea winner, is congratulated by Plant Manager Scott Wagner.

Our Improvement Idea winner for June was Furnace Operator **Chris Kent**. Chris won \$200 on his spin. There were eight Improvement Ideas submitted in June. Besides Chris' winning idea, **Paul Moss, Ray Souder,** and **Brian Wingate** submitted two ideas each, and **Chris Hainey** submitted one idea. They all received a "Good Idea" pin and \$5 lottery ticket.



From left: Theresa Scargill, Ray Souder, Brian Wingate receive their Thank You pins and lottery tickets from Scott Wagner for submitting Improvement Ideas in June. Chris Hainey and Paul Moss also submitted ideas but are not picture.



Spencer Freund, Employee Appreciation Winner, shakes hands with Scott Wagner.

The lucky winner of "Monthly Employee Appreciation" was **Spencer Freund** who won a \$100 reward on his spin. Five names were drawn from a bucket that contained the names of all Rex employees. **Vernell Donaldson, Sid Heflin, Sarah Mansuetti, Ryan O'Donnell,** and **Nancy Viola** each received a \$5 lottery ticket. **Theresa Scargill** was the Rex Riddle winner and she, too, received a \$5 lottery ticket. Several employees celebrating anniversaries, received their anniversary gifts from Scott Wagner, Plant Manager.



Theresa Scargill, Rex Riddle Winner, gets hardy hand-shake from Scott Wagner.



From left: Sarah Mansuetti (12 yrs) and Theresa Scargill (5 yrs) receive their anniversary gifts from Scott Wagner. Others celebrating but not pictured: Walter Bates (55 yrs), Johnathan Rex (27 yrs), John Sherman (26 yrs).



For refreshments, we all enjoyed fruit and cookies along with free coffee. Please come to next month's spin to see if your name is the one picked to be the Monthly Employee Appreciation winner. Then you will have an opportunity to take a spin on the Rex Wheel of Chance.



Lottery ticket winners from left: Sid Heflin, Sarah Mansuetti, Ryan O'Donnell are congratulated by Scott Wagner. Vernell Donaldson and Nancy Viola (not pictured) were the other two winners.



DAY TRIPPIN' — VACATION SPOTS A DRIVE AWAY

It's summer and maybe you don't have the time or money to take an elaborate vacation but you really need to get away. If that's the case, consider some interesting day-trip destinations close to home. Of course, there are always places such as Longwood Gardens in Kennett Square or the Franklin Institute in Philadelphia. If you want to venture a little further, the Fun Pennsylvania website is a good resource for some interesting suggestions. Here are a few from that website (www.funpennsylvania.com — Eastern PA):



Crystal Cave
963 Crystal Cave Road
Kutztown, PA 19530
610-683-6765
(Located between Reading and Allentown)



This is Pennsylvania's natural wonder. Discovered in 1871, Crystal Cave has delighted tourists for over 140 years. On this 150-acre scenic site, you can enjoy underground tours led by knowledgeable guides, a movie presentation about the cave, souvenir and rock shops, panning for gemstones, an historic exhibit, and hiking a nature trail. There are picnic facilities, a miniature golf course, an ice cream parlor, the Crystal Cave Cafe, and museum. Crystal Cave is open daily March 1 through November 30th, 9-5, with extended summer hours.



Bushkill Fall
Bushkill Falls Road
Bushkill, PA 18324
570-588-6682



This is the Niagara Falls of Pennsylvania and one of this state's most famous attractions. Bushkill Falls contains a series of eight beautiful waterfalls. Through a network of well marked hiking trails and bridges, you can see fabulous views of the waterfalls and surrounding forest. In addition to the lush scenery, there is a fascinating Pennsylvania Wildlife Exhibit and a Native American Exhibit. You can also fish at the Twin Lakes, taste delicious sweets in the Wagon Wheel Pavilion, take a paddle boat ride, or enjoy a game of miniature golf.



Crayola Factory
30 Centre Square
Easton, PA 18042
610-515-8000



The Crayola Factory is an exciting hands-on discovery center for children. Through numerous activities and crafts, imaginations can run wild. The children can color, draw and create with the latest Crayola products. On a factory tour, you get to see how crayons are made. This is not an actual manufacturing plant but rather a fun-filled visitor center. Visit the gift shop and see the largest crayon in the world.



Harry Houdini Tour and Magic Show
1433 North Main Street
Scranton, PA 18508
570-342-5555



The Houdini Museum is one of the most unique museums in the world as it contains some unusual (and terrifying) exhibits. In the historic 150-year-old refurbished house, you can explore an entire building devoted to the greatest magician of all time. View the rarest film footage of Harry Houdini performing his daring escapes. After the museum tour, there is three-a-minute magic show that features two talented magicians Dorothy Dietrich and John Bravo. They make doves and rabbits appear and transform ducks into poodles.

HAPPY BIRTHDAY!

Employees celebrating a birthday in August are listed below. Let's wish them a happy day.

- 1 Bernadette Hoffman
- 14 Scott Wagner

Yearly Work Anniversaries

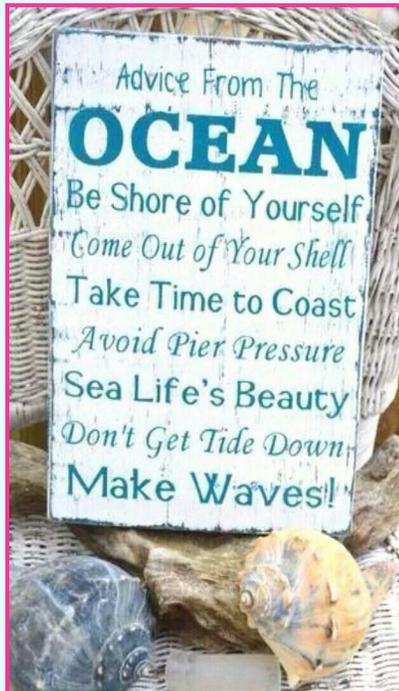
The following employees are celebrating Work anniversaries in August:

<u>1 to 5 Years</u>	<u>6-10 Years</u>	<u>Over 10 Years</u>
Spencer Freund (1 yr)	Robert Feldman (6 yrs) Brian Wingate (6 yrs)	Keith Bannon (23 yrs) Terry Copenhaver (39 yrs) Richard Harris (20 yrs) John Rex (55 yrs)

Summer Ramblings

REX RIDDLE #73

If a cat can jump five feet high, then why can't it jump through a window that is three feet high?

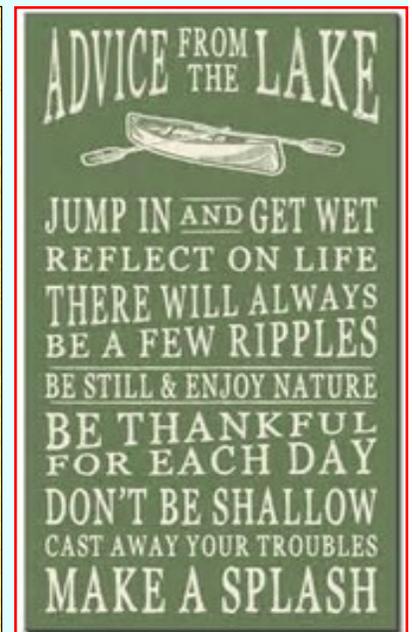
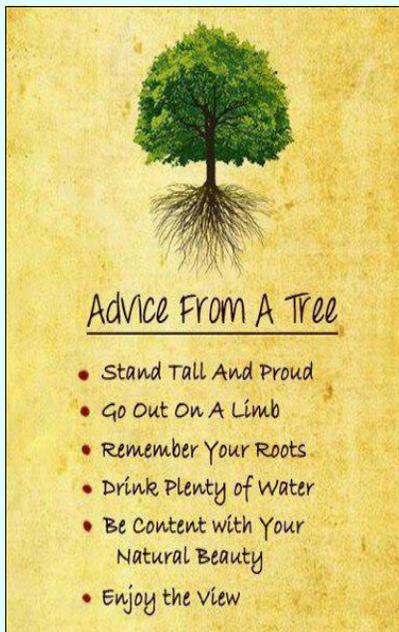


To submit your guess for The Rex Riddle, take a slip out of the folder in the rack in the Production Office, fill it out, and drop it in the box outside of the Production Office door. Guesses will be taken until the morning of the monthly spin. One name will be drawn from all the correct answers to receive a \$5 instant lottery ticket.

Answer to last month's riddle:

My tail is long, my coat is brown.
I like the country and the town.
I can live in a house or in a shed;
I only come out when you're in bed.

What am I? **A Mouse**

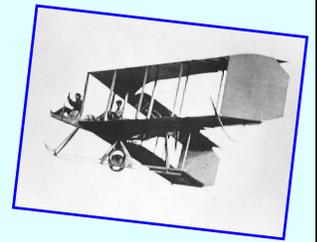


Honoring National Aviation Day

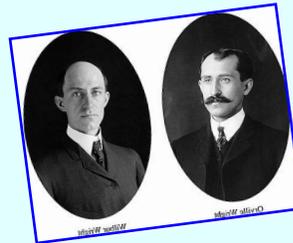
FUN FACTS ABOUT AVIATION

- The first male steward was Heinrich Kubi, hired in 1912. The first female flight attendant, Ellen Church, was hired in 1930.
- English is the official language in aviation. On international flights, all crew members must speak English.
- Only 5% of the world's population has ever travelled by plane.
- More than 80% of the population are afraid of flying.
- Every day, there are approximately 200,000 flights around the world.
- The 747 family has flown more than 5.6 billion people – equivalent to 80% of the world's population.
- A commercial aircraft flies at an average speed of 500 mph.
- In the 1920s, a plane ticket cost just \$5.
- The world's most expensive plane ticket cost Australian millionaire Julian Hayward \$123,000, when he was the first person to buy a seat on the A380 maiden flight between Singapore and Sydney in 2007.
- Only around 25% of first class passengers pay full fare. The rest are upgrades, frequent fliers, and airline employees.
- Research shows that the first three minutes after take-off and the final eight minutes before landing are when 80% of plane crashes happen.
- In 1987, American Airlines saved \$40,000 by removing one olive from each salad served in first class.
- You can lose about two cups of water from your body for every hour you spend flying.
- One windshield or window frame of a Boeing 747-400's cockpit costs as much as a BMW.
- KLM (Koninklijke Luchtvaart Maatschappij, meaning Royal Dutch Airlines) is the world's oldest airline, established in 1919. It's first flight between Amsterdam and London took place on May 17, 1920.

Here at Rex Heat Treat we do a lot of heat treating for the aviation industry. It's only fitting then that we acknowledge National Aviation Day on August 19. This holiday was established by Franklin Roosevelt in 1939 to honor the birthday of Orville Wright, the famed American aviator.



The Wright brothers, Orville (August 19, 1871 – January 30, 1948) and Wilbur (April 16, 1867 – May 30, 1912), were two American brothers, inventors, and aviation pioneers who are generally credited with inventing, building, and flying the world's first successful airplane. They made the first controlled, sustained flight of a powered, heavier-than-air aircraft on December 17, 1903, four miles south of Kitty Hawk, North Carolina.



In 1904, the brothers developed their flying machine into the first practical fixed-wing aircraft. Although not the first to build and fly experimental aircraft, the Wright brothers were the first to invent aircraft controls that made fixed-wing powered flight possible.

The brothers' fundamental breakthrough was their invention of three-axis control, which enabled the pilot to steer the aircraft effectively and to maintain its equilibrium. This method became and remains standard on fixed-wing aircraft of all kinds. From the beginning of their aeronautical work, the Wright brothers focused on developing a reliable method of pilot control as the key to solving "the flying problem." This approach differed significantly from other experimenters of the time who put more emphasis on developing powerful engines.



Using a small homebuilt wind tunnel, the Wrights also collected more accurate data than any before, enabling them to design and build wings and propellers that were more efficient than any before. Their first U.S. patent, 821,393, did not claim invention of a flying machine, but rather, the invention of a system of aerodynamic control that manipulated a flying machine's surfaces.

They gained the mechanical skills essential for their success by working for years in their shop with printing presses, bicycles, motors, and other machinery. Their work with bicycles, in particular, influenced their belief that an unstable vehicle like a flying machine could be controlled and balanced with practice. From 1900 until their first powered flights in late 1903, they conducted extensive glider tests that also developed their skills as pilots. Their bicycle shop employee Charlie Taylor became an important part of the team, building their first airplane engine in close collaboration with the brothers.



It is noted by contemporary experts, that despite multiple claims of priority by other aviators, and years of hard fought patent wars, the Wright brothers' contributions to aviation and airplane construction are vast and indisputable.