

JULY 2012

## FACILITIES OPERATIONS STEAM PLANT WORKING TO KEEP YOU COMFORTABLE AND SAFE

Why do we have boilers? The purpose of a boiler is to transfer heat produced by burning fuel to water under pressure to generate steam.

In the early years boilers were prone to explode due to defective design, fabrication and materials. That is why there is a very dedicated organization called American Society of Mechanical Engineers (ASME). We now have standard ASME codes for boilers and other pressure vessels which have increased the safety of working with boilers.

In the Steam Plant, there are three ways heat is transferred. First radiation, where heat is transferred like the rays of the sun, second conduction, heat is transferred from hot molecule to a cold molecule and third, convection, heat is transferred by the movement of heated material like hot water rises and cold water falls. All of this takes place inside of the boiler.

In the UNCG Steam Plant we have three 50,000 pound boilers and one 40,000 pound boiler. Each boiler has 500 foot or more of water heating surface. Because of the size, each boiler has two safety valves to allow discharge of all the steam pressure that is generated by the boiler.

UNCG Steam Plant is manned and operated 24 hours a day, 365 days a year. We take safety very serious due to the high temperatures in the plant. We have fans running around the clock to cool breakers and electrical panels. Also, the control rooms are equipped with air conditioning units. Because we mix chemicals, we have emergency showers, eye wash stations and personal protective equipment on hand. We follow the Lock-out/ Tag out program on our equipment and when we are going into a confined space. We perform planned maintenance to prevent equipment from breakage and perform preventive maintenance on ladders, feed pumps, compressors, condensate pumps and all other equipment in the plant.

All boilers are equipped with alarms to alert you of any potential problems. Low water or high water can cause a rupture of the tubes. If this occurs the boiler will cut off automatically. This is one of the reasons for at least one or two people to be working at all times. Water that is fed into the boiler is always treated according to the concentration reading on the running boiler and chemicals are added as needed.

We work very hard every day to ensure that the entire campus has sufficient steam to keep you comfortably cool in the summer and warm in the winter. All of these things have to take place to have a smooth running steam plant.

Angel Ruiz  
Second Shift Supervisor, Steam Plant



## JOB WELL DONE

It is way past time that I write to tell you how important Waldena Wright is to us in the Taylor Building and the Department of Theatre. The students, staff and faculty in Theater work long hard hours. The theatre and rehearsal spaces are used until 11:00 p.m. six nights a week. On weekends our days start early and end late. In the mornings when we return Waldena will be there with a smile, a hug, a laugh and I always hope with a song. She energizes the students with her spirit to keep us moving on through the long days and nights. This contribution can not be measured and is an invaluable addition to the process of producing plays.

**John Wolf, Professor,  
Department of Theatre**

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A special thank you to Ben Evans in the Garage, for the quick and efficient repair on truck # 149.

Thanks Bennie!

**Don Williamson,  
Sign Shop**

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We had to move some heavy furniture between several offices on the third floor of Curry. Willie Dow and his crew helped with the move and they were stellar. I wish I could remember all of their names. Every single one of them were friendly, helpful and efficient. They were all a pleasure to work with.

**Isabell More**

## JUNE SAFETY UPDATE

JUNE SAFETY STATISTICS	
June Accidents/Injuries	1
Days Since Last Accident	7
Safe Days Record (since 1/1/10)	34
<b>Safe Days Goal</b>	60
<b>For Year Ending 6/30/2012:</b>	
<b>Number of Accidents/Injuries</b>	
Accident/Injury Rate (#of Accident/# of Positions)	14 %
Restricted Work Days	42
Lost Work Days	76
Lost Work Days – Equivalent # of Positions	3.32
<b>Accident/Injury Rate by Sections</b>	
OWRR	20 %
Building & Trades	19 %
Facility Services	13 %
Utilities	13 %
Grounds	10 %
Administration	15 %
<b>Most Common Type of Injury</b>	
Strains and Sprains (55% of all Injuries)	

Congratulations to  
B.E.S.T. for the  
Month of July



**Robin Rorie  
First Shift**



**Lonnie Watford  
Second Shift**

### Congratulations Ms. Rebecca Jones General Utility Technician

Rebecca began working at UNCG in Facility Services in 2006 as a housekeeper. She has steadily climbed the ladder within our department to become a Floor Maintenance Assistant. In June of this year she became the department's first female General Utility Technician.

Her skill sets and work ethic will undoubtedly be an asset to the department and the campus in her new capacity. She is amply qualified to step in and make an immediate and positive impact in her zone and within the department.

**Greg Poteat  
Housekeeping Supervisor**



Staff Senate  
Representatives  
For Facilities  
Operations

Bill Hardin  
Hoyte Phifer  
Jeannie Lasley  
Mark Cable

Let us be  
your voice  
**Safety is not an  
accident**

## Happy Anniversary

Rhonda Mitchell	2
Kevin Siler	4
Matt Weaver	4
Bryan Payne	4
Skip Burford	5
Kweku Atta	6
Tammy Burroughs	6
Chris Smith	6
Charles Williamson	7
Frances Jenkins	8
Ann Johnson	11
Josephine Hall	12
Serena Raleigh	12
Wanda Swinson	12
Gail Peeples	14
Ken Hall	15
Cynthia Louis	16
Chuck Underwood	16
Chris Aaroe	24



FYI—Just want to let everyone know be safe with your skin exposure. You can find 30 SPF Sunscreen dispensers in the Grounds Shop going into the break room and in the Sink Building beside the kitchen sink. Please protect yourself and use sunscreen.

Hal Shelton  
Grounds Supervisor

Please send your suggestions for the news letter to [jalasley@uncg.edu](mailto:jalasley@uncg.edu)

## KEEPING IT SAFE SEEK AND FIND

V S W A A Y H S S S S P P P P  
S H S H C S T E Z G S A G A T  
P E S E I L R E O B E I N I N  
I O L N N U E L F B N N I N E  
L F R G T I F A R A S T T T D  
S A O X G C Z O N S S I F B I  
V L I R A O K Z U F E N I R C  
M F O R K E G P I U L G L U C  
A H T O N L E S T D E O I S A  
E L E C T R I C C A R H O H F  
T N W G V Q X F G B A A R R R  
S E N I H C A M T G C Z K T S  
C C S K J S T L E B T A E S A  
P O S Y M P T O M S O R I B U  
R M D A N G E R L R E D D A L

ACCIDENT	LIFTING
BROKEN	MACHINES
CARELESS-	OSHA
NESS	PAINTBRUSH
CLEANFLOORS	PAINTING
DANGER	SAFETY
DIZZINESS	SEATBELTS
ELECTRICCAR	SLIPS
FIXTURES	STEAM
FORKLIFT	SUPERVISOR
GOGGLES	SYMPTOMS
GOLFCART	TOOLS
HAZARD	VARNISH
LADDER	

## Outdoor Safety Tips

- ◆ Don't leave sharp tools unattended
- ◆ Read the label on chemical and organic products
- ◆ When using gas-powered equipment, never leave running while not in use.
- ◆ When lifting heavy items, lift properly. Use your legs, not your back and ask for help.
- ◆ Wearing sturdy gloves, eye protection, and appropriate clothing are a must for safety.
- ◆ Apply broad-spectrum SPF 30+ sunscreen to unprotected skin, and reapply regularly.
- ◆ Wear wraparound sunglasses to protect your eyes from the sun.
- ◆ Keep your tetanus vaccination up to date.

Hal Shelton  
Grounds Supervisor

## NEW EMPLOYEES



Steven Lane  
HVAC Maintenance  
Technician



Darrell Trogdon  
HVAC Maintenance  
Mechanic



Robert Sutcliffe  
Utilities Plant  
Operator



Terry Gaither  
Utilities Plant  
Operator

## JULY SPOTLIGHT EMPLOYEE



This month's spotlight employee is Jack Mongold. He was born in the small town of Petersburg, West Virginia. He has two brothers and six sisters. His oldest sister died in a house fire at the age of six. After graduation from high school he joined the U.S. Navy with San Diego as his home port. He spent four years on active duty and served during the Vietnam War. He served another six years in the Naval Reserves.

In 1965 he moved to Baltimore, Md. where he worked in a steel mill. While living in Baltimore he married his first wife. They have three children and eight grandchildren and one great grandson. His oldest daughter went to college in Savannah, Ga. and his oldest granddaughter is attending Georgia Southern.

Three years later they moved to Savannah, Ga. where he worked as a carpenter with his father-in-law for three years. Then he joined the Police Department and was with them four years before transferring to the Fire Department for twenty-five years with a total of twenty nine years of service with The City of Savannah.

Jack married his present wife, Marylyn in March of 1998. She has two children and two grandchildren. They moved to Greensboro in July of 1998 and he came to work at UNCG in August of 1998. He has been with the Carpentry Shop for fourteen years.

He and his wife enjoying traveling. They go to the mountains and the beach. He likes to cook, read western books and watch NASCAR. They attend Hope Christian Fellowship Church where they enjoy doing volunteer work.

One of the funniest thing he recalls of his high school days, he was playing basketball and a player on the other team ran up and pulled his trunks down!

[Jeannie Lasley, Facilities Operations](#)

## FACILITY SERVICES CLEANING UP "GREEN"

The Facility Services Department strongly believes in the University's responsibility and commitment to the environment by improving on traditional cleaning practices and techniques. This improvement has led to a healthier and cleaner learning and working environment for the campus community. By incorporating items such as microfiber and hydrogen peroxide into the cleaning regimen for the campus, we have dramatically reduced our contribution to the carbon footprint left by the campus as a whole.

We employ a variety of green chemicals to keep the campus clean, but the most widely used chemical is Johnson-Diversey's ALPHA HP Hydrogen Peroxide Cleaner.

Hydrogen peroxide is the only germicidal agent composed only of water and oxygen. Like ozone, it kills disease organisms by oxidation. Hydrogen peroxide is considered the world's safest of all natural and effective surface sanitizers. It kills microorganisms by oxidizing them, which can best be described as a controlled burning process. When hydrogen peroxide reacts with organic material, it breaks down into oxygen and water.

[Ada Baldwin and the Facility Services Supervisors](#)

