

JUST FOR FUN

REASON

Professor Marks: "Now, Mr. Snaffle, I want you to explain this examination paper. Why do you have all your answers in quotation marks?"

Freshman Snaffle: "Just a bit of courtesy to the man seated at my left, Prof."

MORE THAN ONE WAY

Mountaineer: "Doc, I want you to look at my son-in-law. I shot at him yesterday and took a piece out of his ear."

Doctor: "Shame on you, shooting at your son-in-law."

Mountaineer: "Huh? He wasn't my son-in-law when I shot him."

INGENUITY

A farm hand took his girl for a buggy ride and nine miles out in the country the horse dropped dead.

"Oh, dear," sighed the girl, "and I'm so tired!"

"Suppose I give you a nice kiss," said the farm hand. "That will put life in you."

"In that case," said the girl, "you'd better kiss the horse."

MORE DESCRIPTIVE

Young Father: "In your sermon this morning you spoke about a baby being a new wave on the ocean of life."

Minister: "That's right."

Young Father: "Don't you think a fresh squall would have been nearer the truth?"

SCOTCH

In the smokeroom of the big hotel the Scot had been boring everyone with tales of the great deeds he had done.

"Well, now," said Englishman at last, "suppose you tell us something you can't do, and by jove I'll undertake to do it myself."

"Thank ye," replied the Scot, "I canna pay ma bill here."

BEHIND SCHEDULE

Hitler, on telephone: "Heil, Tojo, I thought you would be in America by now."

Tojo, also on phone: "So solly, Adolph. Where you call from, Moscow?"

WORDS OF WISDOM

"Just think of it!" exclaimed the romantic young newly-wed, "a few words mumbled over your head and you're married."

"Yes," agreed the old cynic, "and a few words mumbled in your sleep and you're divorced."

FAMILY PRIDE

"Mother, I'm the best looking boy in Sunday School."

"Why, Tommy, who told you that?"

"Nobody, Mother, nobody didn't have to tell me. I saw the rest of them."

A COME BACK

American soldiers were making wise-cracks to a truck load of Italian prisoners in North Africa. One Italian, who spoke perfect English, retorted: "Why are you laughing at us? We're going to New York; you're going to Italy."

WRONG DIRECTION

A woman riding a trolley car was anxious not to pass her destination. She poked the conductor with her umbrella.

"Is that the First National Bank?" she asked.

"No, mum," replied the conductor. "That's my stomach."

Vast Quantity Of Electric Power Is Produced To Operate One Plant

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feed pumps then pick it up, raise the pressure to above that of the boilers, after which entry into the boilers is controlled by Copes regulators in accordance with the steam demand. Of the four feed water pumps, two are electric driven and two steam driven. Each has a capacity of 72,000 pounds of water per hour and can develop a pressure of 525 pounds per square inch. In the summer fresh water makeup amounts to about 15 per cent of the total steam generated, in the winter 30 per cent.

Boilers 1 and 2 have been in service since July, 1939, and boilers 3 and 4 since August, 1941. During that time their availability has been greater than 99 per cent.

All steam generated is metered. Approximately 9 per cent is used at the Boiler Room and the balance is sent to the Turbine Room through two 8-inch high pressure lines, 700 feet long, installed overhead on steel towers. Expansion bends are provided to allow for changes in pipe length due to temperature changes.

The turbine-generators operate at the high speed of 3600 revolutions per minute. When once started, they are seldom stopped, their normal period of continuous operation being around 180 days. Because of this and the close internal clearances required, they must be constructed with the precision of the finest watch, and forced lubrication must be resorted to.

The turbines may be operated straight condensing or a combination of extraction and condensing. In the former case, all of the steam entering the turbine at throttle is used for the generation of power and is then exhausted to the condenser. Pressure at throttle is 400 pounds per square inch gauge and at exhaust 2 inches of mercury absolute. In the latter case only a portion of the steam entering the turbine is exhausted to the condenser, the balance being extracted part way through the turbines into the process lines. Immediately after extraction it is desuperheated by the addition of condensate to meet temperature requirements of the mill. Desuperheating capacity is 85,000 pounds per hour.

Under normal operating conditions, all steam used for process and heat passes through the turbines. For excessive demands or when a turbine is down, two booster pressure reducing stations are provided which by-pass high pressure steam around the turbines.

The condensers referred to are large steel drums in which the exhaust steam is condensed back to water. This is done by passing large quantities of water through many small tubes within the condensers. The cooling water is of the regular mill supply and is used in process after serving its purpose here.

All condensate returned from the condensers and mill is collected in a surge tank and pumped back to the boiler room for re-use.

A sensitive three lever governing mechanism maintains constant speed of turbine and controls the pressure of extracted steam in accordance with the electric and process steam demands.

Turbine No. 1 (2000 KW) has been in service since July 6th, 1939, and No. 2 (4000 KW) since August 15th, 1941. To date their availability has been 99.1-3 per cent.

A 42 panel enclosed switchboard of modern design is provided for

Hand Booklet News

We are sorry to have lost our supervisor, Helen Dunne, who has gone back to Jersey City to live with her father and to be near Jimmie. Best of luck, Helen. We'll miss you.

In the Spring a young man's fancy turns to love, and also a young lady's from the looks of that diamond. Hazel McKinney is flashing. Congratulations are in order. And many congratulations, too, Anne Morris, on your new job as Forelady. We are happy with you. The color of her new Spring outfit seems to be white. Looks nice on her too.

Bernice L. must have had a nice time in Franklin over Easter. We were beginning to think she wasn't coming back.

We are very proud of the talent we have in Hand Booklet Department. If you don't believe us, stop by the counting table and lend an ear to the Hand Booklet quartet composed of Pauline S., Annie Lou B., Mildred Orr and Florence H.

If anyone wants to learn tennis, Dora Tanner is said to be a professional. See her for an appointment.

Hand Booklet has learned that Katheryn M. purchased flowers for her hair in the blooming South.

Hand Booklet Department missed seeing double for one week while Lillian and Lucille Wilson enjoyed their week's vacation.

operational distribution purposes. The board contains all of the conventional electric recording and indicating meters, relays and controls including a recording frequency meter.

Steam recording and indicating instruments are installed on elaborate panel boards in the Turbine Room and Boiler Room. Readings are entered hourly on log sheets at each place and the charts are changed daily. From these records, important data is compiled daily and summarized monthly and yearly. The information thus obtained serves as a check on the operation, maintains efficiency and is an aid in planning future improvements and expansions.

Herbert F. Finck is in charge of the Power Department. Assisting him is Paul Baker, Power Supervisor. Tom Evans is the senior operator at the Boiler Room and Walter Kay at the Turbine Room. The other employees at the Boiler Room are Woodrow Allen, Lemuel Daniels, Virgil Galloway, Leland George—1st Class Firemen; Robert McCall, Addison Bruner, Clarence Allison, Coy Compton—2nd Class Firemen; Ed Sentell—Dragline and Bulldozer Operator; Wm. Clarence Brown, Clarence Orr, Frank McCrary, Charles Reece—3rd Class Firemen; Jackson Holden, Arbeth Toney—Coal Yard Men; Byrd Watts—Cleaner. The other employees of the Turbine Room are Obie Willingham, Morris Dorn, Melvin Smith, Crockett Matthews—Operators; Raymond Lowery, Samuel Norwood, Sherman Hunter—Assistant Operators.

OUCH

"Mary," Mrs. Browne said sternly to her maid, "I wrote your name with my finger in the dust on the dining room mantelpiece this morning."

"I know you did, ma'am," replied the girl reprovingly, "and you spelled it wrong."

STORK CORNER

Born to Mr. and Mrs. Andrew D. Harrell on January 31, a son, Andrew Wayne. Mr. Harrell is employed in the Filter Plant.

On February 29, a daughter, Patsy Jeane, was born to Mr. and Mrs. C. L. McClure. Mr. McClure is an employee of Champagne.

Born to Mr. and Mrs. M. J. Cooper on January 23, a son, J. J., Jr. Mr. Cooper is an employee of the Maintenance Department.

Born to Mr. and Mrs. J. S. Whitaker at the Mt. Sanitarium on March 3rd, a son, John Earl. Mr. Whitaker is employed in the Maintenance Department.

Born on March 6th to Mr. and Mrs. J. R. Freck, a son, Terry Lane, at St. Joseph's hospital, Asheville, N. C. Mr. Freck works with Maintenance.

A son, Jerry Lane, was born on March 10th to Mr. and Mrs. Harry Lee Ballard. Mr. Ballard is employed in the Maintenance Department.

Born to Mr. and Mrs. L. E. Calender on March 15th, a son, Mr. Calender works in the Machine Room.

On April 2nd, a daughter was born to Mr. and Mrs. Woodrow Allen. Mr. Allen is a Boiler Room employee.

Born to Mr. and Mrs. Dewitt McCall at the Transylvania hospital on April 9th, a son. Mr. McCall is employed in the Maintenance Department.

Born to Lt. (jg) Thomas Carr, U. S. N. R., and Mrs. Carr a son, Thomas Eames, II, on Tuesday, April 4. Mrs. Carr was formerly Miss Betty Vannah of the Payroll department, daughter of Mr. and Mrs. H. P. Vannah.

Safety Can Be Had

Since statistics of the National Safety Council prove that accidents can be prevented, we must admit that the substantial reductions in injuries through cooperative prevention work, serves a challenge to every one of us.

We must also be convinced that these reductions will be achieved in almost exact proportion to the intensity and persistence of our efforts.

It has often been said that safety begins at home and each of us should take the following pledge:

I will obey all traffic signs, signals and regulations, whether driving or walking.

I will endeavor at all times to keep myself and my car in proper condition to drive safely.

I will conscientiously support all worth-while efforts, both public and private, to promote greater safety in the home, in the shop and office, in the school and on the street and highway.

I will do everything I can to bring about greater safety in my work.

I will seek to remove all hazards from my home and to exercise continuous care to prevent accidents there.

I will strive constantly by personal example to inspire safe practices among those with whom I come in contact.