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MORE ON THE SCRAP SALE BIDDING...

Some employees have mistakenly assumed that items up for bid at today's Engineering Scrap Sale will be bundled up, sealed, identified only by a lot number and not shown. This is not the case.

THE BIDDING -- SET TO BEGIN AT 4:30 P.M. TODAY -- WILL ACTUALLY BE HANDLED MUCH IN THE SAME WAY AS IN THE PAST. EACH ITEM WILL BE IDENTIFIED BY LOT NUMBER...ALSO BY MODEL (OR DRAWING NUMBER), AND WILL BE HELD UP FOR GENERAL VIEWING.

The items are not to be handled by the group nearest the auctioneer's table, however...delaying the sale and depriving others (by crowding in) of a general viewing. Avoiding these conditions is the purpose of the prior examination of the equipment; and the assignment of a lot number has been made so that each person can positively identify what he has previously seen, examined, and determined to bid on.

PANCAKES, ANYONE?

Nine General Electric men tomorrow will be flipping flapjacks for their civic club -- the Brookville Ruritan Club.

The club's pancake festival -- an all-day event -- starts at 6:00 a.m. at Fort Hill Village. All you can eat for \$1 (adults) or 50 cents (children).

GETTING INFORMATION -- Marv Deerhake, at right, was in Lynchburg yesterday to learn about advance procedures and programs concerning engineering and associated work. Marv, hosted by Ray Williamson, CPD's Manager-Engineering Administration, is himself an engineering manager at the Industry Control Department's Process Computer Section (a business section -- similar to the SPD Operation here) at Phoenix. Marv joined GE in 1933... and was associated with early work in telecommunications. In fact, on one project -- relaying television signals from New York City to Schenectady before the days of networks -- a new GE engineer on test assignment, Dick Gifford (who now heads GE's communication business here, of course), worked with Deerhake. The Technical Products operation was one of the forerunners of our microwave (telecom) business.

HISTORY ECHOES TODAY...

Hundreds of men, women and children today are flocking to Appomattox, the scene one hundred years ago, of a cemented nation -- on the brink of fracture and decay.

At old Appomattox Court House today, complex electronic equipment never dreamed of in the days of horseback battle -- two-way FM mobile radio designed and built here -- will be on the job, as the one hundredth anniversary of Surrender at Appomattox is observed.

THE NATIONAL PARK SERVICE SUPERINTENDENT ASKED THE LOCAL (APPOMATTOX) RESCUE SQUAD TO FURNISH FIRST AID AND EMERGENCY COMMUNICATION SERVICE. THEY'RE DOING IT -- UNDER CPD'S MANUFACTURING LOAD CONTROL MAN KEN JAMERSON -- WITH GE PROGRESS LINE UNITS, TWO VOICE COMMANDERS AND A MESSAGE MATE.

ON THE GE COLLEGE BOWL... In a battle of wits this Sunday, GE College Bowl contestants feature teams from 2-time winning University of Wisconsin and new contenders, Clarkson College of Technology (Potsdam, N.Y.). The prize-winning question-and-answer show is telecast, in color, at 5:30 p.m. over the NBC network.

Those working on the project include Hank Bibb, Tally Cox, Tye Drinkard, Bob Driskill, Ed Morey, Leroy Parker, Kinley Hahn, D.R. Womack and John Wooldridge.



THE LYNCHBURG LIFE SAVING CREW -- WITH GE TRANSISTORIZED PROGRESS LINE UNITS -- IS ALSO ON THE JOB AT THE HISTORICAL SITE.

There... about 20 years before the invention of the typewriter...no communication lines existed. No FM radio. Two-way communication was person-to-person; and emergency communication messages went by horseback courier for the most part.

An interesting piece of history recently brought to light by a GE man -- historian, coin collector and Manager-Engineering Administration -- Ray Williamson, points to a forgotten fact that Lynchburg for four days...from April 6th to April 10, back in 1865...was the capital of the State of Virginia.

TALKING ABOUT MOBILE RADIO

The benefits of CPD's major product line is the subject of two films which local radio hams will see tonight. The Lynchburg Amateur Radio Club, meeting at 8:00 p.m. in the Cooperative Building and Loan Building (29 South) will present "Every Single Minute," plus "And a Voice Shall Be Heard." These films show how amateurs can help in emergency situations. One of the films, which concentrates on civil defense, was filmed by General Electric in Syracuse. -- Visitors are welcome to attend according to Club President Jack Huffman.

ANOTHER CLASS COMING UP...PERHAPS

GEERA's first Slimnastics class this week drew a capacity group of about 65 participants...with more asking every day for admission.

While there is no additional room in the class, another evening course is being investigated. Look for details later in the News, the GEERA gals say; but please don't call.



GE STOCK closed yesterday at 102-3/8.

100th Birthdate: Steinmetz, GE Electrical Wizard

On April 9, 1865...the very day which made history, signaling the end of a violent struggle — at Appomattox, in Lynchburg's own back yard — a deformed, third-generation hunchback was born at Breslau, Germany. His name: Charles Steinmetz.

OVER THE NATION, AND THROUGHOUT GENERAL ELECTRIC, CITIZENS ARE PAYING TRIBUTE TO DR. STEINMETZ...THE BARELY-FOUR-FT. TALL GENIUS WHO MIGRATED TO THIS COUNTRY IN 1889. THREE YEARS AFTER HIS ARRIVAL IN NEW YORK, HE WAS PROMINENT IN ENGINEERING CIRCLES. BY THE TIME OF HIS DEATH THE WHOLE WORLD KNEW HIM AS THE "WIZARD OF ELECTRICITY."

And a wizard he was, as GE people recall from General Manager Dick Gifford's recent talks. Dr. Steinmetz's inventions and predictions have been referred to as a basis for *progress and change* in our time. Said Gifford: "His predictions of some 50 years ago — back in 1915...when housewives were still stoking wood stoves — give us some interesting benchmarks from which to judge the amount and pace of change." He predicted far in advance of his time, such marvels as air-conditioning...heating by electricity...central power stations...television...radio, and even the electric range.

BEST KNOWN FOR WORK WITH LIGHTNING — STEINMETZ WAS THE FIRST MAN TO CREATE LIGHTNING IN THE LABORATORY — HIS KEY CONTRIBUTION WAS IN THE FIELD OF ALTERNATING CURRENT. AT THE AGE OF 26, HE TACKLED AND SOLVED A PROBLEM WHICH HAD BAFFLED ENGINEERS FOR YEARS: THAT OF THE RESULTING LOSS OF MAGNETIC FLUX IN ELECTRIC MOTORS. HIS "LAW OF HYSTERESIS" STUNNED ENGINEERS WHO RECOGNIZED HIM AS A PROFOUND MATHEMATICIAN.

Joining GE at that time, he set out to solve complexities of alternating current. Many of his books on this subject and others are still being used in high schools and colleges across the land.

DURING HIS INVENTIVE YEARS AT SCHENECTADY, DR. STEINMETZ ASSIGNED 201 PATENTS TO GE. HIS GREATEST ROLE IN THE COMPANY WAS AS A CONSULTANT: AND HE WAS REFERRED TO OFTEN AS THE "SUPREME COURT" TO WHOM AN ENGINEER WOULD GO FOR PROFESSIONAL ADVICE. IT'S SAID THAT IF STEINMETZ GAVE HIS APPROVAL, THE COMPANY WOULD NOT HESITATE TO FINANCE A NEW PROJECT. HE AMAZED HIS FELLOW ENGINEERS WITH HIS PROFOUND ABILITY...AND CARRIED THE TABLE OF LOGARITHMS WITH HIM AT ALL TIMES — IN HIS HEAD.

Also a naturalist, Steinmetz loved the outdoors, and especially plant and animal life. Of all his pets, his alligators caused the greatest commotion. One day all seven escaped

...and fled to the nearby Erie Canal. He managed to tame two crows so that they would eat from his hand; and his menagerie included raccoons, eagles, cranes, owls, squirrels, dogs, a monkey and a temperamental gila monster that often had to be hand fed. He grew odd species of cacti and had hundreds of orchids growing under the light of mercury lamps.

THE BRILLIANT DWARF DENIED HIMSELF THE RIGHT OF MARRIAGE. BUT HE LOVED PEOPLE AND ESPECIALLY CHILDREN. SERVING ON THE SCHOOL BOARD, HE WAS PRESIDENT OF THE BOARD OF EDUCATION AT SCHENECTADY...ACTIVE IN CIVIC LIFE...TAUGHT AT UNION COLLEGE...AND WAS RESPONSIBLE FOR MANY REFORMS AND IMPROVEMENTS IN



HIS GENIUS HELPED BUILD OUR INDUSTRY This reproduction (above) of the Dean Cornwell painting of Dr. Steinmetz illustrates the characteristics of GE's famed wizard of mathematics. With little but a blackboard and chalk plus his own mind, Steinmetz solved problems which made it possible for the electrical industry to grow and become the servant of humanity that it now is. He died in 1923...after 30 years with GE!

TWO JOYS -- Two of Dr. Steinmetz's greatest pleasures in life were children and animals. This drawing (at right) reprinted by special permission from *Reader's Digest* appeared as an illustration in the magazine's 24-page article, "The Hunchbacked Genius of Liberty Hall -- The Story of Charles P. Steinmetz," which appeared in the June 1962 issue. The article was condensed from a book from the pen of Floyd Miller.

PUBLIC EDUCATION.

While a man who helped make progress for mankind in the field of science, Dr. Steinmetz recognized spiritual values as well. He said: "Someday, people will learn that material things do not bring happiness and are of little use in making men and women creative and powerful. Then the scientists will turn their laboratories over to the study of God and prayer and the spiritual forces which, as yet, have hardly been scratched. When this day comes, the world will see more advancement in one generation than it has in the last four."

ON OCTOBER 26, 1923, CHARLES PROTEUS STEINMETZ DIED. BUT HE LEFT BEHIND A LEGEND WHICH BEGAN 100 YEARS AGO TODAY...AND WHICH GOES ON: OUR ELECTRICAL AGE.

