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THE BRUNSWICKAN

ENG. SOCIETY SPONSORS TOURS TO BEECHWOOD, CAMP GAGETOWN

Gagetown Proves Interesting

The afternoon of November 23rd was a gay day for some sixty 4th year engineering stu-dents as they embarked on an educational tour of Camp Gagetown. As the two bus loads of happy tenors left the Civil Engineering building the chant of the "Engineers Song" could be heard across the campus. With hoarse throats, the tribe soon arrived at their destination. Colonel Akerly, army liaison officer at Camp Gagetown and an engineer himself, was on hand to welcome the boys, and distributed minature site maps of the camp. With Colonel Akerly and Professor Stevens taking the lead in five senior engineers and three sluice gates.

pers are located in the upper pletion and the remaining two ash, and piling it so that it may hoppers to be kept as spares Bulk Minto coal will be placed Erom the best where it is consumed.

A vacant spot was left for the boiler should the need arise. At p.s.i being maintained.

Four men are required to oper-e the plant, all of which are Colonel Akerly later stated that into two constitution in the mixer "Not so good", replied other", he threw me out". civilians. These include a chief, by the end of 1956, the camp is more dense than the magnetite shift engineer, and two firemen. would accommodate 5500 troops and water mixture and that which A box has been placed



Seniors Visit Power Site

A gay gathering of some thirty the pouring of concrete for the

an army panel truck, we were off on a nineteen minute tour which took us across newly constructed tast November 24th. The tour needed for the project. The cemroads. Many stages of building included a glimpse of the Muniac ent was shipped by railway car construction were noted and very Road diversion scheme and a to the site where it was stored good commentaries were given further diversion . . . at Muniac in large tanks next to the mixing by John Abernety and Bill Sears a crew was busy blasting bedrock plant. The aggregate supply pile as we rumbled along the streets. some thirty feet thick. Large was quite an engineering achieve-The buses soon came to a halt quantities of fill made the exist- ment. What looked like a huge and we disembarked. There be- ing road hard to find but only pile of stones and sand had be-fore us stood the Central Heat- the bus driver seemed perturbed. neath it a large metal tube with ing Plant which was found to be The lunch time whistle was a conveyor belt. Inspection of the most impressive. The huge build- calling the crews back to work inside of this tube revealed num-ing is 100 feet tall and towering when the bus stopped in front of erous traps through which speciabove it a 175 foot smoke stack. the cafeteria for food. The En- fied aggregate sizes could be op-A large area on the right of the gineers in charge of Beechwood tained and conveyed to the plant. plant was reserved for storage were on hand to welcome the The plant was mechanically operof coal. This coal is then taken group and shortly after lunch the ated and a handfull of men proto a storage room located in the now divided party set forth to duced large quantities of concrete plant itself. The room is large seek out the secrets of Beech- merely by pushing the right but-enough to hold four carloads and wood. The picture above ton. The concrete was carried by is used to thaw the coal. The shows a complete view of the a conveyor belt (see foreground fuel is then delivered by auto- west section of the project. The of picture) where it was then "You had your share of hell". matic conveyors to the hoppers. work was divided into the con- pumped through pipes across a The eight enormous coal hop- struction of the cofferdams and specially constructed suspension

bridge, and then poured into the storeys of the building of which six are to be used upon com-pletion and the remaining two ach and pilling it would be forms of the suice gates. Good concrete was essential to the proto produce the best mixture. The sieving of the aggregate was car-Bulk Minto coal will be placed into the hoppers, then dropped through shutes into a pulverizer, which is located in the basement. The basement. Bulk Minto coal will be placed through shutes into a pulverizer, which is located in the basement. Bulk Minto coal will be placed through shutes into a pulverizer, which is located in the basement. Bulk Minto coal will be placed through shutes into a pulverizer, which is located in the basement. Bulk Minto coal will be placed through shutes into a pulverizer, which is located in the basement. Bulk Minto coal will be placed through shutes into a pulverizer, with pipe reduction from 10 to the placed through the placed through shutes into a pulverizer, with pipe reduction from 10 to the placed through the placed through the placed through shutes into a pulverizer, the placed through the placed throu which is located in the basement. 2 inches. Six circulators and two in Canada. The usual crushing bed. in conveyed through an eight-inch line Water leaves the plant at and preliminary breakdown of "the pipe to one of the three boilers lines. Water leaves the plant at the aggregate was noted, but an lines. Water leaves the plant at the aggregate was noted, but all 366 degrees fahrenheit and re-additional treatment for obtaining aggregate of proper density was with a constant pressure of 125 used when the aggregate was

boiler should the need arise. At the four of the tour, one boiler was in operation using oil as fuel until January 1st, at which time coal would be used. For a safety measure a 375 kilowatt mobile power plant is kilowatt mobile power failure by the New of the mixture causes the separation of the mixture cause the separatio transported to a large mixer. The

machine shop, boiler house and

stores. Due to the location, the

posed dam is being done at the

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Beechwood Project was self-suf-

WOMAN She's an angel for truth, a demon in fiction A woman's the greatest of all for worry-either you are succontradiction; She's afraid of a cockroach,

nothing to worry about. If you came a Science. she'll scream at a mouse. But she'll tackle a husband as are a failure there are two things big as a house. to worry about. Your She'll take him for better, she'll good or you are sick.

take him for worse; She'll split his head open are sick there are two things to brass and iron. then be his nurse. And when he is well and can get worry about. You are going

cessful or you are not.

to get well or you are going to out of bed,

She's crafty, she's simple, she's Heaven or you are not. She'll lift a man up, she'll cast there is nothing to worry about, screw; the daring builders who cruel, she's kind.

a man down. She'll make him a hero, her ruler, her crown. You'll fancy she's this, but you'll

find that she's that, For she'll play like a kitten, and fight like a cat.

In the morning she will, in the evening she won't;

JOKES A forester knocked at the heavencar ly gate,

His face was scarred and old; He stood before the man of fate For admission to the fold What have you done?" St. Peter asked.

To gain admission here?" "I have been a forester sir, For many and many a year" The pearly gates swung open wide:

St. Peter rang the bell; "Come in and choose your harp,

Two men slightly under the weather were asking the desk clerk in a hotel for a bed with two rooms. "You mean a room with two

beds", he replied.

"Shay", said one of the men, "there's someone in my bed".

"Now that you mention it", said the other", there's someone in my bed too"

A terrific struggle took place "I got mine out", said one

finallly. How did you make out?" "Not so good", replied the "That's all right", said the first,

Wednesday, January 25, 1956

Why Worry? The Heir of We wonder why folks worry . There are only two reasons

essful or you are not. If you are successful there is for long centuries before it be-

Tubal Cain, legendary father to worry about. Your health is of the young Engineer, and placed by Genesis, seven generations

If your health is good there after Adam, was described as the instructor of every artificer in

one which has recognized no arisat his head. She's faithful, deceitful, keen there are two things to worry sighted and blind; She's crafty she's simple she's Heaven or you are not If you are going to Heaven of the lever, the wheel, and the but if you don't, you'll be so busy first used the dome, and the you won't have time to WORRY. truss; the military pioneers who

contrived the battering ram and the catapult; the early Egyptians SUCCESSFUL WILL who channeled water to irrigate The following is what one the land; the Romans who built



"Fix it so that my overdraft gineers", by William E. Wicken-at the bank goes to my wife—she den.) can explain it. The debt on my

car goes to my son — he will then have to go to work

drawn up.

A canny Scot was engaged in keep up the payments. to Give my goodwill to the supply an argument with the conductor houses-they took some awful as to whether the fare was to be chances on me and are entitled five or ten ten cents. Finally the to something. My equipment you disgusted conductor picked up the can give to the junk man-he has Scot's suitcase and tossed it off had his eye on it for several years. the train just as they were cross-

I would like six of my creditors ing a long bridge. "Hoot man", screamed Sandy, to be pallbearers-they have carried me for so long they might "first you try to rob me and now vou've drowned my boy". as well finish the job

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the Ages Dating back to utmost anti-

The heir of a great tradition,

Two hundred and ten tons of permanently. This indicates the is lighter in weight. The desired coal are consumed by the plant tremendous progress that is being mixture was easily removed, daily giving it an output of 70,- made by the construction firms. graded and shipped to the con-000,000 BTU/hour. It is esti- Professor Stevens thanked the crete plant. The magnetite was mated that about 20% of the Colonel for the splendid tour and recovered by a large worm gear coal would remain as ash. This we were on our way to the en- and electromagnetic roller. amounts to about 40 tons a day. gineering halls of U.N.B. the inspection of the offices, sired.

ENGINEERING AT UNB

(Continued From Page One)

Brunswick was the first university in Canada to inaugerate instruc- ficient. All work on the protion in engineering

location. A chat with the work-It wasn't until 1873 that the third school of engineering was established. This was at L'Ecole Polytechnique. Other Canadian ing staff revealed experienced and Engineering schools that have been established are: University of skilled men were being used. One Toronto (1878). Queen's University (1893), University of Mani- of the men had previously laid toba (1907), Nova Scotia Technical College (1908), University sheet piling in Africa.

of Alberta (1909), University of Saskatchewan (1912), University of British Columbia (1915) and Laval University (1937). Following its infancy, engineering at the University of New

Brunswick grew slowly. It was not until August 15, 1889 that a Man comes into the world with-Chair in Civil Engineering and Surveying was established. Even out his consent and leaves it then there were insufficient funds for the required instruments and on earth his time is spent in one

equipment. Electrical Engineering was the next to be recognized and in 1893 George M. Downing was made Professor of Physics and Electrial Engineering. In 1900 the graduates in en- first B.Sc. in Mechanical Engin-gineering were still receiving cer-tificates of graduation similar to The period from 1925 up to

tificates of graduation similar to that given to Henry Ketchum in the present time has been one or 1862. However, at the gradua- constant growth and expansion. tion exercises in the spring of Up to the year 1938 each depart-smart; if he is no politics he is a grafter and a crook; if he is out tion exercises in the spring of Up to the year 1938 each depart-1900 the first degree in engineer-ing was conferred. It is worthy of note that the first degree in electrical engineer-ing may be seen in the electrical and in 1941 Professor J. O. building where it is prominently Dineen was added to the Elec-building where it is prominently direction was added to the Elec-building where it is prominently direction was added to the Elec-building where it is prominently Dineen was added to the Elec-building where it is promine

building where it is prominently Dincen was added to the Elec-displayed. It was conferred to trical department. Kenneth Chestnut in 1904. 1945 witnessed the erection of 1900 also saw the construction the Electrical Building and the of the civil engineering building, completion of the new addition The University had to build its to the Civil building. Professor own power line from Charlotte Wheatley succeeded the late John Street to the new building. The Stevens in the same year.

Street to the new building. The Stevens in the same year. wiring in the building itself was Before Dr. A. F. Baird's redone by the students and the tirement in 1952, applied science respectively.

professors at the university was under the The history of engineering at In 1902 the Engineering So- direction of three men: Dr. Baird the University of New Brunswick ciety was formed and in 1907 as Dean of Applied Science, Dr. has been a long and outstanding the degree in engineering was E. O. Turner as Dean of Applied Science, Dr. has been a long and outstanding the degree in engineering was E. O. Turner as Dean of Engin- one. Even now, with such a changed to a B.Sc. in Civil and cering and Dr. J. M. Gibson as great demand for engineers, Electrical Engineering with pro- Dean of Forestry. Since 1952 facilities must be enlarged. Ten-vision made for an M.Sc. there has been no Dean of Ap- ders will be called late this win-Lectures in Mechanical Engin- plied Science. Dr. Turner and ter on the additional structure eering were first given in 1908 Dr. Gibson remain as the Deans which will connect our two but it may not were in 1963 that the of Engineering and Engineering present buildings

11.8

but it was not until 1953 that the of Engineering and Forestry present buildings.

A box has been placed in the Students' Centre and all students are asked to submit photos. The photos should be glossy prints (not negatives) and at least 2" by 2". Please submit only photos The tour was completed with that are reproducible. A cap-tion may be included if so de-

undergraduates!

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