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THE BRUNSWICKAN

Cotton Mill

Because different patterns of On November 23 a group of twenty-five engineering students finished fabric are required, it

downtown Fredericton to Marys- spools are placed in cylinders of vile. The students were received hot dye and lightly covered. The at the plant by the superinten- dye is forced into the core of the dent, Mr. Robinson, who organiz- spool and allowed to penetrate ed parties that were directed out through small openings into through the plant by several the yarn for several hours. After gineers to keep up with the demembers of the business staff. Canadian mechanical engineers

to dry for several days. brics and the operation of the machinery was thoroughly explained and demonstrated to the students. Starting at the lower floor of the plant, where the bales of raw cotton are placed in all welded warships with all aluthe ginning machines to be cleanmore efficient methods of pro- ed, the process was followed along bric. The weft, or crosswise in Northern Quebec accompanied to the very last department where duction in factories. These are a very small sample of the work the cloth is stored and made formed by passing a shuttle filled given by himself. His excellent being carried on by Canadian ready for shipping to local and Enginers in the mechanical and foreign markets.

is shipped by rail in five hundred has been from these universities pound bales. These bales are wrapped with coarse bagging and

After the cotton is cleaned it been met. Now, for the first time, the University of New Brunswick is carried by large conveyor belts is offering a full five year course to the carding machines. These leading to a B. C., degree in machines have large rollers covermechanical engineering. Organiz- ed with fine wires anchored into ed in 1950 by proffessor E. E. a firm backing, like the bristles Wheatley, this course now has of a wire brush. The carding unforty students enrolled in the first tangles and strengthens the fibres, gineering as afield in itself goes four years. These include four in which may be further strengthenback little more than half a the fourth year, eight in the third ed or made parallel by a machine year, and fourteen in each of the called a comb. The fibres come of the age of machines. It was first two years. Courses offered from the carding and combining include Kinematics of machines, machines in a long, soft, untwistdustrial Revolution which set the Heat engineering, Heat engines, ed rope called a silver. The silvers Power plant design and two are passed through a series of Machine shop and Mechanical combined with courses from the

> balanced background for the fu-In line with the new faculty of Wilbur and Gus and the B of M engineering; the existing faciliat U.N.B. are being enlarged. A

Wednesday, January 30, 1952

Slabs and Edgings Ed's Note: This column will be a weekly attempt to acquaint stu-

dents in other faculties with some

The man who said "Go West, young man" could never have seen Paul Provenchers' films or heard him talk. Folks at the Teachers' College Auditorium last Friday evening received more than a sufficient time has elapsed the their money's worth in 21/2 hours spools are removed and allowed of an interesting, and sometimes amusing or thought provoking The looms are a fine display of program.

Paul Provencher, Chief Forester parallel threads to make up the of the Quebec North Shore Paper desired width of cloth. This forms Co., showed these films dealing what is called the warp of the fa- with the life and country found threads in the finished cloth, is with lively running commentary with thread over and under the photography was exhibited on all warp threads. The hardness which scenes but his pictures of one of is attached to the loom lifts the gray-green waterfalls droppurchased in South America and whole groups of warp threads at ping into a misty cloud topped by a time, so that the shuttle may a rainbow which in turn seemed to end in a bank of perpetual snow were ones which will not be Among the many other intoo, that there was more than one teresting features that were person a bit envious of the seven brought to the attention of the and eight pound rainbow trout students were the recently installthat were caught. I don't mind

admitting that I was.

The evening ended on a sober note that really brought home the effects of forest fires. The This visit was of great interest discouraging results of one careto students of every different deless match were well brought out partment of engineering and will and it is to be hoped that a leslong be remembered by those who son was learned.

Mr. William Barrett, president A note of thanks is in order to Ian Sewell for his efforts in ar-Hadley Memorial Reading Room

> It's rumored that some members of the less enlightened faculties are under the impression that the duty of a scaler is to chip the scales off spruces logs. . . could be.

Did you know that moose's antlers grow out from the side of his head, while those of a deer grow from the top? Mule, deer, and coyotes run with their tails down; white-tail deer and wolves hold them high.

Here's wishing Dr. Gibson a We hope to see peedy recovery.

him around again soon.

MECHANICAL ENGINEERING Want to build planes? Cranes? rearmament programs. Canada is

world in original research. They

have developed aircraft gas tur-

bines second to none in the world,

minum superstructures, and new,

Many Canadian universities have

had engineering for some time. It

that the Canadian demand for

ture mechanical engineer.

related fields.

Trains? Or perhaps you would still undergoing an industrial exlike to play around with gadgets pansion akin to that which took and gears. In either case you can get a good start here at U.N.B. is so rapid, in fact, that it is im-The Civil and Electrical depart- possible for the supply of enments have been joined by a mand. younger brother, the department of Mechanical engineering. and in many cases have led the

It has been less than a hundred years since engineering first began to sub-divide into branches. Since the middle of the last century, tremendous strides have been taken in the fields of science and engineering. Engineering a hundred years ago was concerned mainly with projects which are today looked after by civil engineers. Electricity was being tinkered with, and the industrial revolution was bringing forth the ingenuity of a few men. In general, however, the surface was just being scratched.

Increasing scientific development has led to a breaking up of the engineering. In a sense, men working in one particular field of engineering are specialists. They are not technicians however, since each field requires a fair knowledge of allied fields.

The history of mechanical encentury. This was the beginning also the peak of the British Inpace for industrial expansion throughout the world. This industrial expansion has even resulted in sub-division of Mechanical enginering. A few of these branches are the automotive, aeronautical, marine, refrigerasubjects. Altogether, these courses tion, combustion and industrial fields of engineering. These have are intended to provide a well sprung up to meet an increasing demand for specialists in fields which are becoming continually more specialized. In most cases, mechanical engineering provides ties of the mechanical department a good background for any of these fields.

small scale wind tunnel has been The period before and during built, and equipment is being add World War I was a time of great ed to the engine testing labratory. industrial growth in the United Apparatus for additional experi-States. A very similar condition ments is also being constructed. existed in Canada just before and With graduation of the first class especially during World War II. in mechanical engineering in 1953, Both have resulted in a large U.N.B. will begin to contribute demand in North America for trained men to a branch of entrained Mechanical Engineers. gineering which appears to hold This demand has been greatly in- unlimited opportunities for the creased by the present post-war future.

visited the Marysville Cotton Mill. is necessary to dye the spools of of the features of Forestry. The trip was made by bus from cotton different colors. The full place in the United States earlier

The manufacture of cotton fahave often initiated new designs

precision-made machinery on which are stretched a number of Nearly all of the raw cotton is

pass through between them. mechanical engineers has largely bound with bands of iron.

ed sanforizing machine, the electric control panels and the steam operated electric generators which are used at times of power interruptions. made the trip. of the Engineering Society, thankcourses each in Machine design, rollers, in which each rollers goes ed Mr. Robinson on behalf of the ranging for this film, the proceeds around at a faster speed than the visiting students, and the boys of which will go into the Videto-Engineering laboratory. These are one before. This stretches the joined to travel back to Fredericsilver into a smalled and smaller ton, well satisfied that their in the Forestry building. civil and electrical departments, yarn, until the desired finess is minds had been broadened by this visit. as well as several arts and science reached.

gent Street, in the Residence or near W you will probably h perience of hearing yo radio program dissolv and agonizing squea dots, dashes, etc. You ably observed the ere lengths of wire strun tops, chimneys and ot supports. No doubt y sed by a few obvious racters muttering lit such as "Why can't "I can get WNEW anyone else", and " that guy get rid of his In case you don't i may be interested t

you are in the comp

of the members of th

club. This select gro

fifteen members is th

on the campus ass

engineering besides t

ing Society. The clu

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when a small group

Marconi's" met to

themselves into a cl

their interests in t

radio. Since then t

prospered and is the

its kind in a Maritin

Members of the club

amateurs, a few uns

lows who would lik

radio amateurs, and

who are just interest

and similar monstro

meetings about once

which talks are gi

shown. Tours are m

radio installations. the club have facilit

morse code with readers will already

mentioned above. Th

bably the only cam

tion which has two

Since its formation,

possessed a club roc

der College. With t

closing of Alex how

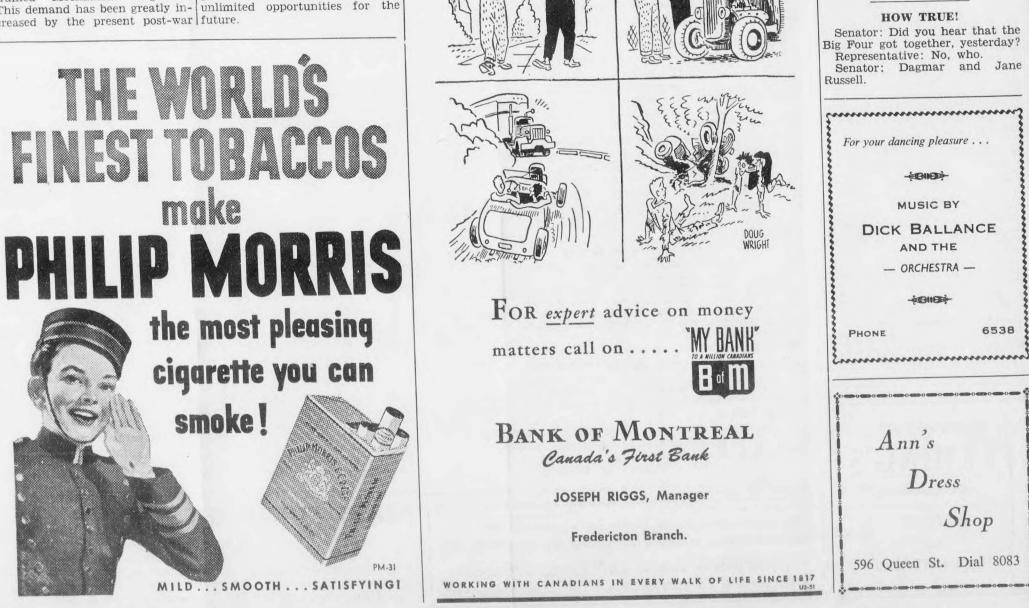
has had to look for

Thanks to the kir

Activities of the c

Wednesday, Januar

INSP



Electrical engineerin the club now has room in the elect which will be its fut club possesses its ow receiver and associat receiver and associa together with tools, of course a junk b coils, condensers, bro similar paraphernal

Perhaps the prece have aroused your club. If so, why the next meeting of the club room in building some af more members the better it will becom who is interested i of radio is urged to acquainted.

Football coach " you that you were a Freshman: "Whe my father looked a 'This is the end"

6538

The farmer. wit tucked in the croo opened the door t office.

"Are you the doc "Yes. What can It's not me". Th wider to reveal a ye my son-in-law, Doc him and I want up.'

When the docto all the buckshot he farmer and scold ought to be ashan Abner, shooting yo "Well," replied wasn't my son-in-l him."