Page Two

Managing Editor



THE WEEKLY NEWS AND LITERARY JOURNAL OF THE UNIVERSITY OF NEW BRUNSWICK Est. 1980

> Member, Canadian University Press EDITOR-IN-CHIEF "Hugh" Seciy '47

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Dr. S. O. Turner Dr. A. F. Baird Prof. J. O. Dineen Prof. I. M. Beattle Prof. R. W. Smith G. M. Kerrigan '49 H. O. Caldwell '49 Dave Blair '46 Helen Baxter '47	Ed Donahoe ⁷ 49 Jim Fletcher ¹ 48 Elmer Scott ⁷ 46 Bob Day ¹ 46 Jack Sherman ¹ 47 Ob Price ¹ 47 B. R. Machum ¹ 47 Acnold Duke ¹ 49 Murray MacLean ¹ 46	Ron Gibson '43 Don Holyoke '46 Geo, Bond '46 John Vaughn '46 Chas. Honry '46 Al. Cameron '46 Carl Ross '46 Gerv. McQuarrie '	'48	Ground Controlied Interception. If one stands a few hundred yards from a cliff and gives a short whistle it will be reflected back. Since the speed that sound travels is known; the distance to the cliff can be calculated by measuring the time interval between the whistle and the echo. This principle is used in radar; instead of a whistle a short pulse of electromagnetic
VOL. 64	Fredericton, N. B., March 7,	, 1946. N	vo. 17	wayes is sent out and the time taken

ENGINEERS AT HELM

Radar was used extensively Once again for the fifth successive year we take pleasure in presenting the "ENGINEERING BRUNSWICKAN", pro-Bomber Command, as an aid to

George Robinson

device, navigational aid, bomb sight and gun aiming device for use in aircraft. Airborne radar was one of the most versatile and most

secret weapons that the allies pos-

sed. It played a decisive part in east three major phases of the

for the echo to return is measured on a time base of a cathode rny

BOMBER COMMAND

performance and range of the air-croft was affected. This radar was called ASV (aircraft and surface

vessels) and proved its value by in-

vessers) and proved its value by in-creasing the number of aircraft attacks on submarines. The enemy eventually developed a receiver which would pick up transmissions from this ASV and were warned of approaching sircraft. This made ASV almost useless against sub-carines.

A conversion was quickly made

wavelengths as soon as the high powered, ultra, high frequency transmitting tube called a magnet-ron had been developed. This radar was a modification of H2S. Some of the advantages of the centi-

metre radar over the older type are

that it gave a much clearer picture, an increase in range and had owni directional aerials. By having an indicator that showed the outline of coasts and objects, the screen

was much easier to interpret. The number of submarine sightings

ncreased and eventually the enemy were forced to remain submerged for long periods because of the danger of being attacked by radar

equipped aircraft. The enemy, with

their ingenious minds, developed an

underwater breathing device thus

making the centimetre radar almost

useless. Fortunately, this breather

radar employing centimetre

marines

ENGINEERING BRUNSWICKAN

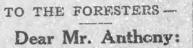
CFNB



Top Left-Operator at Console: Top Right-Steel Transmitting Towr; Bottom Left-Studio Control Room; Bottom Fight. Marconi Transmitter. Photos by D. E. Bastedo.

duced and edited oy the student enginears "Up the Hill."
 The is fast becoming a tradition for this, the largest and most is fast and most is fast becoming a tradition for this, the largest and most is fast becoming a tradition for this, the largest and most is fast becoming a tradition for this, the largest and most is fast becoming a tradition for this, the largest and most is fast becoming a tradition for this, the largest and most is fast becoming a tradition for this, the largest and most is fast becoming a tradition for this, the largest and most is fast becoming a tradition for this, the largest and most is fast becoming a tradition for this, the largest and most is fast becoming a tradition for this, the largest and most is fast becoming a tradition for this, the largest and most is fast becoming a tradition for this, the largest and most is fast becoming a tradition for this, the largest and most is fast becoming to end to be the use of the interval to the use of the interval to fast the use of the interval to fast the use of the interval to fast the use of the interval to find the happy modur, we have endervoured to find the happy modur, we have a lagency and the strictly technical edition and we have the use of the interval between the disphappy and the strictly technical edition and the fast manifers and abone transmitter and a sol for steel endervoured to find the happy modur. The fast mater is many labeling the transmitter has been could at the transmitter has been could be the transmitter than the strainer to a bor too steel transmitter and a sol for steel endervoured to find the happy modur. The interval between the disphappy and the stricture to the issue include four pages of the transmitter and a sol for steel endervoure of the transmitter and a sol for steel endervoure to find the happy modur. The issue include four pages of the transmitter and sol for steel endervoure to find the paper and one half is than the steel to the transmitter and a sol for steel endervoure

Thursday, March 7th, 1946



"Mr. Anthony-I have a question and here is my story. As I set out for the land of collego my father took me aside to explain the facta of life to me. "Son", he said, "I have told you about the birds and the bees and new you are old enough to learn about—Ves, son, it is about the Forestors. I have been a faithful father and have kept you from all wrongs, so now take heed to my warning and instructions. The birds and the bees can take care of themselves but the Forester need care and protection as their race is almost extinct. Have indulgence and pity, yes, even lerd a helping hand but do not approach too near or you will have had it. They are divided into two groups, A which is for Axemen and B which is for Bugs, however this is beside the point You can always tell a Forester by the way he walks, which is a slouch ing hopping gait known as the Wood-man's Shuffle. He is always with an axe and wears a vivid plaid mackinaw and hip poots. it however, is not always necessary to see him as the wind will tell you from which direction ha is approaching. They are kept for the sole purpose of supply-ing wood to the college. Son, as you to to college shun these rien for I want you to become a gentleman and a scholar, unaffected by these." With these words my father patten ny golden locks and sout me off on

my journey On arrival at college I was im pressed by the lack of tross, how-ever-"Foresters, you know"-was all I could find given as an explana-tion. As an Eugineer I was first

"What's that you

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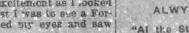
SHOE STORE

When you think Shoes

Hotel

..... think Campbell's

ooled me!!



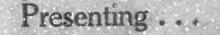
When it's time out for fun and games Sweet Caps just naturolly join the party for smoking

LIGHT UP AND

Play

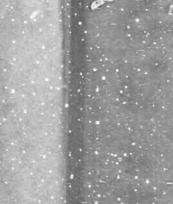
- anywhere . . . anytime And when you tune in SHT UP AND LISTEN" WITH SWEET CAPORA CIGARETTES CKCW Monotor STATION 10.30 p. m. Every Thursday Might

Bank on a Sweet Cup





FRANK J. HORGAN ALWYN J. CAMERON "At the Student's Pal" is the To try to list the activities of name by which we know this senior Frank Borgan over the past four civil. This term is not just a handy years is rather like listing the





tegular Brunswickan pages, a larger number of pattures that ever before. Civil and Electrical crests featured on the front page together with a large number of fasture articles which we tops will prove of interest to all faculties. The Editor wishes to thank the staff and all those who in any way contributed to the success of this "SUPER SRUNS WICKAN". Hearty congratulations are also due to the Dance Committee of Mackin, Baldwin and Henry who engineered a highly successful venture to fill the coffers of the Engineering Society. And is parting may I address a word to yru, dear readers. De not two hasty in your judgment of this edition is eating to make the engineer of the engineer to this goes of the transition and hope if the have enjoyed the privilege of editing fills skiltion and hope if the have enjoyed the privilege of editing fills skiltion and hope if the have enjoyed the privilege of editing fills skiltion and hope if the have enjoyed the privilege of editing fills skiltion and hope if the have enjoyed the privilege of editing this skiltion and hope if the have enjoyed the privilege of editing this skiltion and hope if the have enjoyed the privilege of editing this skiltion and hope if the have enjoyed the privilege of editing this skiltion and hope if the have enjoyed the privilege of editing this skiltion and hope if the have enjoyed the privilege of editing this skiltion and hope if the have enjoyed the privilege of editing this skiltion and hope if the have enjoyed the privilege of editing this skiltion and hope if the have enjoyed the privilege of editing this skiltion and hope if the have enjoyed the privilege of editing this skiltion and hope if the have enjoyed the privilege of editing this skiltion and hope if the have enjoyed the privilege of editing this skiltion and hope if the have enjoyed the privilege of editing this skiltion and hope if the have enjoyed the privilege of editing this skiltion and hope if the have enjoyed the privilege of editing this skiltio

FLASH
In order to publicize the nominess for the executive positive from series of the section of the sectio

of to-day excludes a large measure of broadening Arts and So-cial studies: for the wise student of to-day cannot afford to lose all contact with the humanities, psychologies, civics, economics and languages which are as much the basic tools of the profes-sional map as Calculus or Trigonometry. During the last cen-tury we have made terrific strides in technical knowledge and as a logical stquence ctudents of Engineering to-day require far more knowledge of this type than ever before. Therefore it is almost impossible for them to obtain more than a superficial knowledge of the social sciences in four short years at Univer-sity. because it would be useless without

Thus it remains to the individual Engineer or Technical rade Thus it remains to the individual Engineer or Technical The radar, that was used by man to educate himself as well as possible along these lines. Coastal Command early in the war, This can be done mainly through practical experience and hence worked on comparatively low a medium such as our own "ENGINEERING BRUNS- frequencies and gave direction and WICKAN" can be a means of expression for those students of range of submarines and surface engineering who desire more than a "Slide Rule" education. This edition proves that when necessary an Engineer can the surface in front of the aircraft

be quite at home outside his customary atmosphere of mather and 50 degree to port and star-matics and experimental data. The agricle were large and mounted in such a position that the

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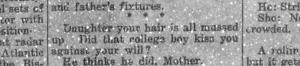
THE CANADA LIFE ASSURANCE CO.

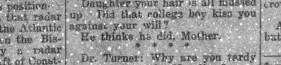
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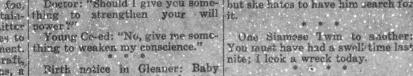
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Oueen Street, Fredericton







She: I weigh 128 lbs. Hc: Stripped Shc: No, the drug store was

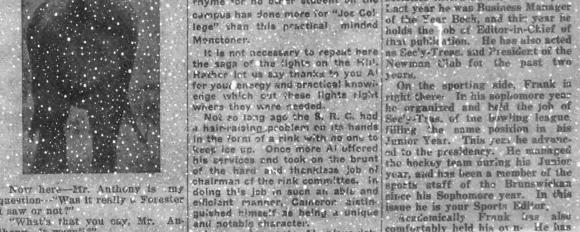
* * * * A rolling stone gathers no mes but it gets damn smooth.

1946

Phone 542

Edwin G. Allen

Res. Phone 1761-41

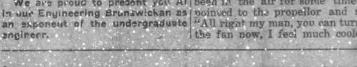


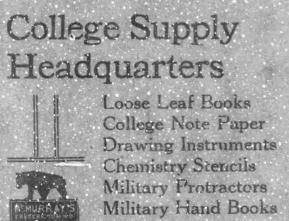
rhyme for no other student of

nu notable character. In space proments, Al enjoys dab and notable character. hooy-it wasn'i?" Well, Mr. Anthony-You coulia bling in astronomy and right now won the President of Alumni and has a telescope under construction the John C. Dolan Memorial prizes and acted as a surveying instructor

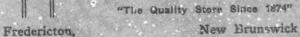
in the machine abop. So much for the practical—in the administrative field Al is president This genial well liked Senior from It is rumoured that a Girl doesn't hind losing her heart to a fellow but she hates to have him search for it. * * * Secial Committee as well as chair- bucker than the proverbial beaver, man of the committee on the "point diways has time for a cheery hello

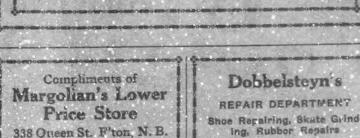
You must have had a swell time last nite; I look a wreck today. She: I weigh 128 lbs. Nam of the college band at games, there was the massive right out in front lady went up in an airplane for the directing the pack. The college band at games, there directing the pack. was the massive right of the first time. When the plane had directing the pack. We are proud to precent you Al been in the air for some time she in our Engineering Brunswickan as pointed to the propellor and said: an exponent of the undergraduate "All right my man, you can turn off indirect."











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A bachelor is a man who didn't Many a girl who puts up a swell have a car when he was young. Many a girl who puts up a swell home.

	The Calendar gives full information on Fees, Courses and Scholarships. A copy will be sent on request. MILTON F. GREGG President	uscless. Forunately, this treather was not used until late in the war and had little effect on the outcome. This is only one of the many uses made of redar by Coastal Command Usually on returning from a patrol. landfall was seen on the radar screen long before it was seen	E. N. MYERS, Manager — Representatives —— LEO. J. CUDAHY GERALD B. FLETCHE	CER HEAYED CARS Phone 836 or 1395 Day and night Service	Also Canteen, Maga- zinés, Shoeshine	LIMITED 554 Queen St. Fredericton Next to Galety Theatre	
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