



RED 'N BLACK

THE UNIVERSITY OF NEW BRUNSWICK MDCCLX FROM UP THE HILL BRUNSWICKAN

TONIGHT

CANADA'S OLDEST OFFICIAL STUDENT PUBLICATION

VOL. 88 No. 16

FREDERICTON, N.B., WEDNESDAY, FEBRUARY 15, 1956

Price 5 cents per copy



CHORUS LINE: The Red 'n Black Revue chorus line, composed of co-eds from UNB, is shown during a rehearsal prior to the presentation of the Revue in Teachers' College Auditorium.

RED 'N BLACK REVUE TO BE BEST EVER

VALUABLE PRIZES VARIETY SHOW ON ROAD EARLIER THIS YEAR. MacDONALD, BARWICK, KENNEDY BACK AGAIN

Valuable prizes are offered to the person submitting the winning song in the University of New Brunswick Song Contest. The competition is open not only to students, undergrad and post-grad, but to Faculty, administration, Alumni and Alumnae.

The Red 'n Black Revue, a variety stage production held annually in Teachers' College starts this evening. The show, cast entirely from the student body is expected this year to over-shadow all previous productions in material, staging, acting and variety.

Mount A. to Fredericton

CUP, SACKVILLE — For you girls and boys fortunate enough to be stepping out into the adult world in this unprecedented twenty hour break from the university, we are printing some pointers which may assure your personal success in this brave new world.

ON ELECTIONS

February 9, 1956 Fellow Students, Tonight before I sat down to write this letter concerning the SRC elections I heard Mr. Ron Stevenson, a young lawyer in town and a former treasurer and president of our SRC speak to the Business Administration Club.

UNB WINS ONCE—LOSES TWICE

Teams representing UNB in The Intercollegiate Debating League went down in defeat before debaters from Kings and Dalhousie in the Arts Centre, Wednesday evening.

FELLOWSHIP STUDENTS

Nominations are now being called for representatives and executive for next year's Students' Representative Council.

Winter Carnival Credits

Prizes—Paradise Restaurant, John Palmer Palmer-McLellan, Hart Shoe, Chestnut Canoe, Lemonts, Gaiety Men's Wear, Gaiety Theatre, Covey the Stationer, Chalmre's Jewellery, Stan Cassidy, Colwell & Jennings, Richards Electric, Dore Sporting Goods, Harvey's Studio, Western Auto and Electric, Paul Burden, Office Supplies, Medjucks and Asst. Prof Hussain.

To Visit UNB

Prof. W. Albert Noyes Jr., head of the Chemistry department of the University of Rochester, Rochester, N.Y., will visit the University of New Brunswick February 17 under the auspices of the Chemical Institute of Canada.



Prof. W. Albert Noyes Jr., head of the Chemistry department of the University of Rochester, Rochester, N.Y., will visit the University of New Brunswick February 17 under the auspices of the Chemical Institute of Canada.

ARCTIC BIOLOGY

Fredericton—An outstanding Canadian zoologist and wildlife authority delivered a public lecture on "Arctic Biology" in the University of New Brunswick's Memorial Hall at 8:15 p.m. Tuesday, February 14.

Rivalry Holds More Promises Than Threats

"International Rivalry Still holds more Promises than Threats for the Future of Mankind" will be the National Debating Topic for this year. This resolution will be the topic of debate during the National Finals at Western University, February 23rd, 24th, and 25th.

UNB represented at McGill Carnival

UNB will be represented at the McGill Winter Carnival starting this week. Neil Mulvaney and Fred Neal will represent the University at the International Debating Competition held annually as a part of the Winter festivities.

PHOTOGRAPHERS EXHIBITION

Fredericton — Over 200 photographs by members of the Commercial and Press Photographers' Association of Canada are on exhibition in the University of New Brunswick's Art Centre for a two-week period starting Monday.



FINISHING TOUCHES: Miss Noreen Donahoe and Jim Chalmers are shown above putting the finishing touches on the scenery for the Red 'n Black Revue.



Established 1867
 Weekly Journal of the University of New Brunswick
 Member of the Canadian University Press
 Office: Memorial Student Centre, U.N.B. Campus. Phone 8424
 Subscription \$2.00 per year
 Opinions expressed not necessarily those of the Students' Representative Council
 Honorary Editor in Chief: Rt. Hon. Lord Beaverbrook
 Faculty Advisor: Albert Tunis

Editor-in-Chief: FRED DRUMMIE
 Business Manager: TED CORBIERE
 Ass't Business Manager: DICK STEEVES
 News Editor: BARRY TOOLE
 Assistant News Editor: NORVAL BALCH
 Sports Editor: JIMMY O'SULLIVAN
 Assistant Sports Editor: WALLACE JONES
 Features Editor: HAZEN MARR
 C.U.P. Editor: STEPHEN FEY

Cartoonists: George Page, Terry Champion
 Reporters: Eric McAlary, Sheila M'Goingie, Doug Sears, Joan Young, Norma Wiley, Peg Wetmore, Jim Macdonald, Ian Collins, Rocky Knight, Elwin Sherrard, Dave George, Pete Kent, Iain Barr, Doug, Lacate

Columnists: Nick Teller, Steve Fay, Sheila Caughey, Gayle Wilson, Theophills Okonowo, Peg Wetmore, Dave McColm, Gene Motluck

Photographers: Art White, Terry Ingham, Gustave Van Loon
 Typists: Lois Lange, Marjorie Millican, Helen Fletcher

VOL. 88 FREDERICTON, N.B. FEBRUARY 15, 1956

Elections . . .

Were you satisfied with the SRC of 1955-56?

Do you want to change the distribution of student fees?
 Is the student levy too high for the year 1956-57?
 Should Campus Police rates be changed?
 Should U.N.B. be a member of N.F.C.U.S.

Have you asked yourself any or all of these questions this year? Right now is the time to think about it in definite terms.

On Wednesday, February 29, 1956, the students of the University of New Brunswick will go to the polls to elect the Executive and their Class Representatives to the SRC, the Executive of the AAA and their Class Executive. If you are a student of UNB then you should be interested in these elections to the point of nominating a good candidate and then voting for him.

Nominations CLOSE February 18th at noon. Take an interest in student affairs, nominate a candidate, act as his campaign manager and get him elected so that he'll represent YOU. A position on the SRC gives you a chance to express yourself before others, helps your public speaking and believe it or not, adds to your general education. Don't let the other fellow do all the work as he might not be the right man.

If a keen interest is taken in student elections, a good and efficient Council will be elected. College spirit starts first with student government.

Remember next year that you had your chance and passed it up!

—DICK HALE.

Our Answers . . .

We feel that answers are due the respective authors of the three letters in the columns to the right. For brevity we have adopted the policy of tabulating our opinions and request the readers' indulgence for any difficulties this method may cause him. MR. GRIFFIN: The meetings of the Atlantic Regional Conference of NFCUS were attended by a staff reporter. Any story is written stressing the more important points. Everything of importance cannot be written due to space. Neglect of the scholarship campaign is regrettable. The remainder of the article, including quotes, was quite accurate and is considered sufficient coverage for such an event.

A resolution was passed concerning the debating finals. What action can be taken by the Atlantic Region? What was taken? — one of the representatives was requested to speak to his room-mate concerning the matter.

Expectations where NFCUS is concerned are not news. It is expected that another depression will come, nobody knows for sure if at all, when, or how bad. Is this news?

MR. MOTLUK: Everything but food, clothing and shelter are expendable. The latter two are even expendable in some places and climates.

The fact that the UNB NFCUS Committee was composed of four students in October and still four in January leads us to think that possibly there is just a "small but obstreperous element on this campus" supporting NFCUS.

That a president should be unbiased is true—when he is chairing a meeting. The chairman of any meeting must be so, so that debate can be orderly, discussion summed up, and motions put. Dick Hale was not in the chair at the time in question; the Treasurer was. The President had every right to speak as he felt. He was not out of order.

It would appear as if "honour" were the only reason to remain in NFCUS.

The "vociferous group" could learn little from Mr. Martin at that time. Most questions had been answered, at that point, the results of which are the cause of not only the "vociferous group's", but a large portion of the student body's vocalizing.

"The Brunswickan" is not anti-NFCUS; but it is not pro-NFCUS. We agree with the fundamental idea. History shows that NFCUS has not worked at UNB and it appears as if it never will. The SRC for two years has requested the local committee to concentrate on local affairs. It has not been large enough, or active enough, to concentrate on anything. As Bill Griffin and Peter Martin know—we will not be able to support NFCUS until it is worthwhile, that is, doing the job the students have requested it to do. "The Brunswickan" has been pleading with NFCUS to come out of the doldrums and work. If it cannot then UNB would be better off out, and NFCUS would be better off without us.

MR. GIBSON: To be a loser one must be trying to win something. If to see NFCUS an active, working organization at UNB, worth \$1.00 not 50c were the prize; then yes, we feel we have lost. If to see UNB withdraw from NFCUS were the prize; then the decision is in doubt. The students are the ones to decide now, not the SRC, "The Brunswickan," or anyone else. That is why we urge a referendum be held on the question.

The NFCUS Committee was set up, so we are told. The Committee has yet to do what the SRC has requested it to do. If it cannot bear up under criticism, then there must be something to said criticism.

We have one question. Where is the letter from the fourth member of the committee?—or are there only three now?

Letters to the Editor

The Editor,
 The Brunswickan.
 Dear Sir:

Complying to the request of one of your reporters that stated at last week's S.R.C. meeting when questioned about the articles written in the "BRUNSWICKAN", if you don't like what we write or how we write it, why don't you send a letter to the Editor. I am writing this letter in complaint to the coverage given the recent Atlantic Regional Conference held here on the 29th and 30th of January. Most of what was stated in this article was reported with a fair degree of accuracy but there are, nevertheless, certain issues that need clarifying and certain issues of importance that were completely omitted, which would be of great interest to the students of this university.

The conference passed a resolution to the effect that there should be two weeks between the MIDL and the national finals. It was felt, by the delegates present, that there should be a greater period of time between these two events to allow the Maritime participants adequate time to prepare for the finals.

The investigations being carried on by Alberta and Laval are not of the nature to decide whether to drop out of the Federation or not but rather to see if there is a need to for reorganization on the National level.

There are a few things that were not mentioned at all in the article, undoubtedly through a sieve of forgetfulness by the writers.

Firstly, McGill is expected back in the Federation at an early date and Memorial University of Newfoundland also expressed its desire to join the swelling ranks who consider the Federation worthwhile. Acadia, while non-committal at the conference, is thinking of rejoining us.

Secondly, and most important, no mention was given to the establishment of an Entrance Scholarship to be sponsored by the Atlantic Region of NFCUS. This Scholarship will be given to a needy student from the Maritimes to attend a Maritime university. There will be a drive on each campus to raise 15c a student and this money will be pooled for the formation of that Scholarship. It will be given each year at a Maritime university starting with King's and proceeding in rotation, around the circuit, from there.

The Conference, as a whole, was very successful, as all who attended the meetings will say. It was mentioned by the National President that we were the second strongest region in the country (behind Ontario) and there was no reason, with a little more work, why we couldn't be the strongest.

The whole coverage given the Conference by the "BRUNSWICKAN" was unfair and by no means just. I hope that in the future the Editors remember their policy of supposedly fair coverage and unbiased policy.

WILLIAM GRIFFIN,
 NFCUS Chairman.

Dear Intermediates:

The controversy as to whether NFCUS is a worthwhile organization has raged loudly and strongly in the past few weeks. In particular a small but obstreperous element on this campus has demanded that we have nothing more to do with the federation. These students base their arguments on the claim that NFCUS is bleeding the students and giving nothing in return, that a large portion of these funds go toward administration, that NFCUS planning is unstable, an example being the debating mixup, and that all these add up to withdrawing from the organization.

I cannot but agree that some of these actions were such that misgivings did appear. However, I feel that NFCUS is a great necessity in Canada, and that we should not cast it aside and discard it for its existing failings. We should stand up and make it strong enough and effective enough to carry through its aims.

Only an organization like NFCUS can consolidate our aims and act as a platform from which we can voice our collective viewpoints as a significant element of Canadian life.

NFCUS is as important to Canadian University students as the Brunswickan is to the UNB students. Each has its own way of uniting students, both have faults, both are operated by students, one costs 59c per year; the other approximately 16c per copy. Which is worth more? THEY ARE BOTH INEXPENSIBLE.

Exactly four weeks ago this controversy flared up to its peak at an SRC budget meeting. The question "Can we refuse payment to NFCUS at this time?" was put to the treasurer. Our President, of all people (unbiased as he should be and as UNB's representative) said "Why not?" That took the cake. If that's student government, it's at its lowest. For the SRC President even to suggest dropping from NFCUS at this time, after accepting it on a unanimous SRC decision during the Fall term, was well out of order. What he was in effect suggesting would place, not himself, not the SRC, but all the students at UNB in a dishonourable position, and one which future students at UNB would have to pay the consequences of.

NFCUS National President, Peter Martin, spoke to a group of interested UNB students during the recent Regional Conference. Among others, our vociferous group was well represented. Yet when Mr. Martin asked for questions, not a cry was heard from them. Mr. Drummie was present as an OBSERVER and in speaking to Mr. Martin after the talk, was quoted as saying, "I'm not against NFCUS." Have you ever read a "Brunswickan," Mr. Editor? It's anti NFCUS through and through.

Yours truly,
 GENE MOTLUK,
 Intermediate Rep.

The Editor,
 The Brunswickan.
 Dear Sir:

I would like to pass comment on your paper's February 8 report of the NFCUS Regional Conference. Perhaps, too, mention should be made of your year-long barrage of sarcasm that has been aimed at the National Federation and indirectly at the Student Representative Council's NFCUS committee.

Never before in our university paper have I seen such a biased and foolhardy report as that which appeared last Wednesday. Combined with usual sarcasm found in previous articles were designed to be misleading and other statements that were absolutely incorrect.

Your attitude seems to be that of a poor loser. If not, what is your point? At the beginning of the school year you expressed your hearty disapproval of NFCUS. The student government, however, decided to maintain the university's position in the National Federation. This year's campus NFCUS working committee was then set up. Since then the committee has been working under a constant attack of sarcasm and denunciation from your paper. You have been most unfair to a student body which is paying fifty cents per person to a National Federation; whose working committee on this campus sees all its attempts to gain some recognition and carry on its labours to benefit the students frustrated at every turn by your newspaper.

Sincerely,
 HUGH B. GIBSON.

For Your Complete Photographic Needs

PORTRAITS — PICTURE FRAMING
 SNAPSHOT FINISHING — COPYING and ENLARGING
 CAMERAS and ACCESSORIES

See

THE HARVEY STUDIOS

FREDERICTON, N.B.

Phone 6461

Queen Street

RED 'N BLACK TONIGHT

NEILL'S SPORTING GOODS STORE

- FOR THE BEST
- IN SPORTSWEAR
- AND SPORTING GOODS

C.C.M. SKATES — VIYELLA AND HUDSON'S BAY LEISURE WEAR
 HARRIS TWEED SPORT JACKETS

Selected Poems of

SIR CHARLES G. D. ROBERTS

with an introduction by
 DESMOND PACEY

\$3.50

HALL'S BOOKSTORE

RADIOS — TELEVISION
 SALES AND SERVICE
 LAMPS — ELECTRIC WIRING
 Electric Appliances of all kinds

GREENE'S
 TV RADIO
 SERVICE

ALL MAKES
 AND
 MODELS
 DIAL 4449

CORNER KING & CARLETON

Established 1889

FLEMING'S
 OF COURSE

HATTERS
 and
 HABERDASHERS

For Lunch and Coffee too

Come to

Club 252

Alden Leslie, prop.

Regent Street

Fredericton

VISIT Herby's MUSIC STORE

Fredericton's Bright and Cheery Music Store

IMPERIAL
 RESTAURANT

Fine Food

Courteous Service

Phone 7381

73 Carleton St.

ROSS-DRUG-UNITED

402 Queen St. Phone 4451

602 Queen St. Phone 3142

361 Regent St. Phone 4311



FOR A QUICK LUNCH

VISIT OUR LUNCHEONETTE FOUNTAIN

KENNETH STAPLES DRUG COMPANY

STAND BACK FOR THE RED 'N BLACK

The new Red 'n Black is here just tailored to fit the year . . . and this year the Red 'n Black is really all new . . . and it is the best show yet. It features the largest chorus line in the show's history with a multitude of new and fascinating gyrations which are well calculated to keep you on the edge of your seat.

George Andrinovich, the baritone of "Singing Stars of Tomorrow" fame will be on hand to thrill us all with his magnificent voice and all signs show that the house will be just as packed as it was for his recent concert with the Cicilian Singers. Remember George Andrinovich.

The set is of course all new to fit the excitingly different things the Red 'n Black has planned for this week. And while we are thinking of the technical aspects of the show, it should be mentioned that new lighting and sound equipment has been added which gives the Red 'n Black new

capability of reaching the audience with spectacular visual and sound effects. The able technical crew is headed by Bob Cass, an engineer whose facility with the new equipment and techniques promises an exciting evening of entertainment.

New acts which retain the Red 'n Black flavour which we have all grown to expect are present in abundance and some of them exhibit the inimitable Barwick touch. Everyone will want to be there when the disgraced Indian bride reveals her terrible secret; when for the first time in Fredericton, French love in the grand manner is demonstrated.

No Red 'n Black would be complete without a cowboy skit and our UNB cowboys are out in full force. Cowboys they may be but they will present a very un-cowboy-like satire on the Saturday Night Jamboree. Don't miss Jeff Starr's interpretation of Kid Baker, Aida, and the Pine Ridge Mountain Boys and

don't be surprised if the Kid's songs have subtle and not so subtle political implications.

Jim McDonald, a Red 'n Black old timer, has finally taken the plunge into serious drama (but not too serious) Don't miss him.

The management of Creaghan's will perhaps be somewhat surprised to learn of the new stock in trade as brought out in "Bride for Sale", a musical farce featuring the entire cast. Even the feminine members of the audience will get a kick out of this hilarious insight into the operation of the "Tender Trap".

Lord Beaverbrook's favourite of the Little Red 'n Black, "The Edwardians" will be presented with suitable embellishments. So if you too want to see this nostalgic bit. Nostalgic?

10 years of married life with an ex-UNB team captain does things to people. If you are curious as to just what it does, be on hand to see the Physical Jerk perform.

If you think that one Red 'n Black is just like them all, you are in for a real surprise. This one is different. In keeping with UNB tradition, it is bigger and better. See for yourself.

By now, of course, tickets are long gone, but if you know the right people, you may still have a chance . . . and there's always the black market. Failing all, I recommend that if tickets cannot be had for any price, which is likely, go down to the Teachers College Auditorium and tell the man at the door that you have just escaped from the salt mines and barely made it in time. This will cause a wave of compassion to sweep over him (for they are really all tender souls at heart) and for one delicious buck he will guide you to a post up which you can shinny for a bird's-eye view of the whole thing. While this may seem a trifle impromptu, you must consider the fact that if there were a seat up there, it would be the best seat in the house and the chandeliers were sold out long ago.

Mine dear Hans:

I take me up mine ink und pen und rite you mit my led pencil. Ve do not liff vere ve liffed before, ve liff vere ve moffed. I am so offully sorry since ve are separated together und vish we vere closer apart. Ve are having more vether up here than ve had last year.

Mine dear Aunt Kathrinka is dead. She died of New Monis on New Year's Day, fifteen minutes in front of five. Her breath all leaked out. De doctors gave up all hopes of saving her ven she died. She leave a family of two boys und two cows. Dey found two thousand dollars sewed up in her bustle. Dat was a lot of money to leave behind. Her sister is having de mumps und is having a svell time. She is near Death's door. De doctors tink dey can pull her through. Hans Brinker vas also sick de odder day. De doctors told him to take something so he vent down town vith Ikey Coen und took his vatch. Ikey got him arrested und got a lawyer. De lawyer took de case und vent home vit de works.

Mine brudder yust graduated from de cow college. He is an

electrocution engineer und stenographer. He got a job stenographing hay down to the horses in a livery stable. De odder day he took our dog up to de saw mill. De dog got in a fight mit a circular saw und only lasted vun round.

Ve haf a cat und two chickens. De chickens lay eggs und de cat lays by de radiator. De college vas cold so dey called up de janitor und made it hot for him. I am making money fast! Yesterday I deposited a hundred dollars und today I vent down town und wrote myself a check for a hundred dollars und deposited it so now I haf two hundred dollars.

I am sending your overcoat by express. To save charges I cut off de buttons. You vill find dem in de inside pocket. I can tink off nudding more to rite. Hope dis finds you de same.

Your cussin,
Fritz.

P.X. If you don't get dis letter, rite und I vill send another.

Two times P.X. I haf yust received de fife dollars I owe you but I haf closed dis letter und can't get it in.

Fritz.

TESTS!

Genetics

A blue-eyed bald woman is crossed with a brown-eyed non-bald man whose mother was green-eyed and bald.

- How many of their daughters will be brown-eyed and bald?
- Would YOU marry a bald woman?

Medicine

Discuss "Disease" as succinctly as possible. Illustrate your answer profusely with equations.

English 2

Discuss the use of the semicolon in Shakespeare's tragedies. How does this differ from its use in his comedies? Be specific.

Chemistry 98A

You are given four colorless solutions, A, B, C and D. When A is added to B, a green precipitate results. When A is added to C, there is a cloudy white precipitate. B and C together form

a cherry-red solution, D forms a black precipitate when A is added. This precipitate explodes violently when C is poured on it.

- What is in each solution?
- How much insurance should you buy for your laboratory?

History 3

Discuss the Rush-Bagot Agreement re Fisheries on the Great Lakes from the point of view of a muskelunge. Pay particular attention to economic, social and psychosexual factors involved.

Commerce 64

Discuss the economic importance of money. Please be brief! (Note: Answers to these questions are available at the Registrar's Office)

Mixing Ice With Drinks . . .

The practice of mixing ice with one's drinks is not in particular attributed to any phase of our social history, but is believed to have started sometime during the renaissance when men discovered that a drink spilt down the neck of a woman resulted in much more excitement when half filled with ice.

CAMPUS COMMENT

by MONITOR

Did you ever go to an SRC meeting? No, you did not and most of you never will. The general excuse is of course that you have no time. I hear that complaint from a great many people. The funny thing is that one always can see those people at the dances, movies, etc. I realize of course that playing bridge at the student centre is very important, that you cannot possibly miss your show once a week and that Friday or Saturday night dancing is something one cannot possibly do without. But why not spend a little time on the well-being of your student organizations, beginning with the SRC.

I have heard a great many complaints about the SRC, and perhaps rightly. But anything the SRC does wrong, is as much your fault as theirs. Some of these people, and that goes for all other campus organization officials, try to do a job that is necessary: representation of Give them a hand now and then, even when no party is offered UNB on and off the campus. after the job is done. Go to a meeting and speak up. Give advice and criticism, which may be unpleasant but which is very necessary.

Only with the help of all students it is possible to build up a strong representation and a strong council on all fronts.

VOTE ON FEB. 29

What Is High Fidelity?

An unhappy situation which all high fidelity fans must face is the fact that the only inexpensive means of buying and playing recorded music is with the aid of Thomas Edison's venerable and inadequate invention, the phonograph. This means of producing sound is beset by many "bugs" which multiply many times when it is applied to high fidelity. These troubles are almost all caused by the fact that it is a mechanical means of reproduction. The electrical vibrations which come from the microphone are transformed into physical movements of the stylus of the recording machine which are supposed to be duplicated by the stylus of the playback equipment. If the playback stylus did what it is supposed to, there would be no story here and what follows is a few reasons why it does not do this.

Scratch, which is acquired by the best records is annoying and does not require high fidelity reproduction to be audible. It is caused by rough handling and playing while there is dust in the grooves. The cures are more or less implied. The best duster is a slightly damp cloth. Plastic bags make the best envelopes. Especially if the bags are shaped like the record which I meant to imply in the preceding sentence.

Intermodulation distortion is a good juicy term which you can dish out occasionally to impress your friends. It means (in case your Latin is as bad as mine) that different parts of the sound affect each other. Thus in the case of records the lower notes tend to modulate or cause a flutter in the higher ones. The culprit here is a worn stylus. It is apparent that on a record turning at 33-1/3 rpm the squiggles made by a recording stylus vibrating at 15,000 cycles per second are very, not to say extremely close together. The ideal shape of a stylus is a cone with a rounded point. The curvature of such a stylus is small enough to follow these vibrations if it is not worn. If it is worn, however, the flat sides tend to ride over the minute variations in the groove shaving off the highs. This occurrence is aggravated by the presence of low frequency components which follow from the point of view of the

high frequencies, changes the direction of the groove.

Since the modulation of the groove is at right angles to the groove itself, the reproducer should be held so that it is tangent to the groove at the point of contact because most reproducers will only allow their stylus to move in this direction and all of them are designed to produce the greatest output when the record tends to move the stylus at right angles to the axis of the reproducer. The item that assures, (or doesn't) that this condition is fulfilled is the pickup arm. In practice, it is impossible to maintain perfect tangency at all points in the record (on the outer groove as well as on the inner one for example) and so all arms have what is called "tracking error". So to shorten what is beginning to look like a long story, the arm must be purchased with tracking error in mind as it is a characteristic of the design of the arm.

While I am on the subject of arms, a word about the other requirements of a good arm might be in order. Friction against both vertical and lateral motion must be kept to a minimum. Lateral friction causes one wall of the groove to receive more wear than the other as the record is the only thing that drags the arm from the outer groove to the inner one. Vertical friction causes unequal pressure on different parts of the record if it should happen to be even slightly warped. Since all reproducers or cartridges have a damping arrangement which tends to return the needle to a given position if it is moved to one side, (which constitutes a spring) the combination of arm mass and spring stiffness must not produce a resonance in the audio range or there will be developed a pronounced peak or inequality in the output when that frequency appears on the record. Good arms have a resonant frequency in the order of ten cycles per second.

Rumble or vibration in the motor system shakes the record and therefore the groove. The stylus cannot tell whether the groove is moving with respect to the record, (the normal situation) or whether the whole record is

Item 2: Phonographs

By HAZEN MARR

being vibrated. Therefore the vibrations of the motor are reproduced as well if not better than the music which is on the record. This situation is admirably solved by the clever dodge of buying a motor with little or no rumble. Such a motor has a heavy turntable which cannot easily be shaken by other moving parts and other moving parts are built so that they do not shake.

No doubt you have noticed that when a record is being played, the pickup arm moves from the outside of the disc is toward the centre. It follows therefore that the groove is actually a long spiral. At the outside of a record, according to the best sources the linear velocity of the groove is equal to the RPM's multiplied by Pi D. If the diameter is decreased by half, which is what has happened when the needle reaches the inner groove, naturally the linear velocity also is cut down in proportion. Following the same reasoning used a while back in the bit about intermodulation distortion, we can see (we can, can't we?) that as the needle (or stylus) approaches the centre of the disc, the high frequency portions of the music

tend to fade away somewhat. The degree of high frequency loss is increased by a worn stylus but is present even when a new one is used. Transcribed radio programs presented a difficulty because of this characteristic because while the gradual fading of the highs was not noticeable, the transition from the inner groove of one transcription to the outer groove of the next produced a quite distinct increase in highs.

The broadcasting industry solved the problem by recording every other disc of a program inside out. This resulted in transitions from one disc to another to occur either at the outside or inside of both the incoming disc and the outgoing one. Thus in a long program, the highs gradually faded and returned so slowly that it was not noticeable. This is not possible with home recordings which must be capable of being played on an automatic changer which always sets the stylus down at the outside of the disc. Tape recordings make it possible to move the tape through the machine at a constant speed thus eliminating the troubles due to spiral effects along with many others. They will be discussed in a future article in the series frequency portions of the music if interest warrants it.

SECRETARY SPEAKS

12th February, 1956.

The Editor,
The Brunswickan.
Dear Sir:

On Wednesday, February 8th the present Students' Representative Council held their final meeting. The succeeding Council will be elected at the end of this month. As Secretary of the outgoing student government I have been asked to write the "Brunswickan" concerning the importance of this coming election.

Contrary to impressions given by the "Brunswickan", to be a member of the SRC is not a soft job. Those elected will have to give up one or more evenings a week. On the nights they will be representing a section of the Student Body, and their ideas and decisions will affect the whole college. It follows that good candidates should be nominated, and that every student should make his choice on election day.

Looking at last year's elections, we can see room for improvement. First of all, there were not enough candidates nominated for every position, as you may well recall from the myriad of by-elections. Four of the executive of five, and almost half the council received their position by acclamation. Nominations close Saturday the 18th of February this year, and to make sure we students have a voice on election day we should see that the positions are contested.

Secondly, we did not get out and vote. How can a government represent a body that did not elect it? Campaign speeches will be given in the Gym on Monday, February 27th, from 11 to 12 a.m., at which time classes will be cancelled and the Student Centre closed.

This is worth fighting for more than football, basketball, or hockey, for on these elections, even more than on sports, depends "the honour of UNB".

Sincerely,
SHEILA CAUGHEY
Secretary of the S.R.C.

JUST ARRIVED . . .
MEN'S NAVY BLAZERS
\$29.50
Pure English Flannel and Highly Tailored Single and Double Breasted Models
Grey English Worsted Flannel Slacks
\$16.95 to \$25.00
WALKER'S MEN'S SHOP
23 Steps from Queen on York



EXPORT
CANADA'S FINEST CIGARETTE

YOUNG MAN MOST LIKELY TO SUCCEED



YOUNG JONES IS A NICE KID . . . GOING PLACES . . . BUT IF HE WOULD ONLY HAVE CONFIDENCE IN HIMSELF!

CONFIDENCE IN YOUR APPEARANCE JUST NATURALLY BEGINS WITH WELL-GROOMED HEALTHY-LOOKING HAIR

LATER — AT COMMENCEMENT

YOU GET CONFIDENCE BY HAVING A GOOD APPEARANCE. — USE WILDROOT CREAM-OIL AND YOU CAN BE CONFIDENT YOUR HAIR WILL ALWAYS LOOK ITS BEST IN ANY SITUATION

WILDROOT CREAM-OIL — CONTAINS THE HEART OF LANOLIN NATURE'S FINEST HAIR AND SCALP CONDITIONER

ANOTHER WIN FOR RAIDERS

University of New Brunswick Red Raiders completed the home-game segment of their New Brunswick-Prince Edward Island Intercollegiate Men's Basketball League schedule at Ledy Beaverbrook Gym Saturday night, celebrating the occasion with an 82-59 triumph over Mount Allison University hoopers from Sackville.

It was the Raiders' second win without a setback in loop action. In their opener, the Red and Black cagers humbled St. Dunstan's University of Charlottetown, P.E.I., 81-20.

The circuit's defending champion five now go on the road to round off its four-game slate. This Saturday, Raiders tackle Mounties at Sackville and the following Saturday will send the UNB aggregation to Charlottetown for a tilt against St. Dunstan's.

Doug Rogers was handing the UNB coaching chores for the first time this season in Saturday's tilt. He replaces Gerard (Moose) Flemming who has gone south to Florida for spring training in the Detroit Tigers' camp. Flemming is pursuing a professional baseball career in the American Baseball League club's farm system.

Don Brannen sparked UNB to victory with 25 points. The deadly shotsmith fired nine baskets and supplemented his output-from-scrimmage with seven free tosses.

Three other Raiders connected for totals in the "teens." Bob Wightman swished 17, including eight baskets. Ron Manzer collected 16, among them five two-pointers and half-a-dozen foul shots. Les (Bud) Rheinlander dipped five field goals and a trio of gift heaves for 13.

For Mounties, big Bill Edgecombe tallied 14 markers, gaining five buckets and four foul shots. Next came Larry Black with 12, all on field goals. Third top total for the vanquished was John Roberts' 10, compiled on three baskets and four free throws.

Referees Bill Ritchie and Ed Cameron called 40 personal fouls, 24 against Mounties. Two of the visitors exceeded the foul limit. Lloyd McEwen left the floor with 4:02 remaining and Edgecombe vacated his position with 2:15 to go.

Raiders fired through 20 single credits on 35 free throws. Mount A came through for 13 aces on 27 attempts.

In taking their second loss in as many decisions, Mounties displayed a close-checking brand of basketball. However, Raiders' power proved too much for the Sackville squad to handle.

Mounties were trimmed 57-49 by St. Dunstan's in their opener.

A basket by Rheinlander and a pair of foul shots by Brannen put UNB ahead 4-0 before Mounties could hit the twines. After Edgecombe initiated the losers' point-getting with a single, Raiders shot to a 10-1 advantage on Rheinlander's set, Brannen's push and Forbes' layup.

Then UNB moved to a 20-7 lead before Mounties rallied for six straight points on Don MacDougall's driving success, a similar effort by Roberts and another by MacDougall. However, UNB exploded again for a 33-16 edge and finished the half ahead 38-26. In the second stanza, the winners outshot Mount A 44-33.

Summary
Mount A—McEwen 7, Black 12, Goss, Mawhinney, MacDougall 7, Roberts 10, MacDonald 7, Edgecombe 14, Butler, Freeborn 2.

UNB—Milligan, Forbes 7, Brannen 25, itzmaurice 3, Rheinlander 13, Thorpe, Wightman 17, Vaughan, Manzer 16, Doiron 1.

Referees: Ed Cameron and Bill Ritchie.

RAIDERS (con't.)

Player	Games	Pts.	Avg.
Donald Brannen	14	301	21.7
Jim Milligan	14	189	13.5
John Gorman	13	163	12.5
Les Rheinlander	14	119	8.5
John Forbes	10	83	8.3
Bob Wightman	14	102	7.2
Guy Doiron	14	57	4
Dick Fitzmaurice	14	33	2.3
Team Average		79.6	pts. per game.

The two genders are masculine and feminine. The masculines are divided into temperate and intemperate and feminines into frigid and torrid.

Reproduction is the life process by which an organism produces others of its kind.

Red Bloomers Triumph 61-56

Iris Bliss Scoring At Sizzling 30.3-Per-Game Pace

Iris Bliss staged a tremendous shooting performance Saturday at Lady Beaverbrook Gym, dusting the twines for a spine-tingling 38 points, to lift University of New Brunswick co-eds to a 61-56 victory over Mount Allison University co-eds in a Maritime Intercollegiate women's Basketball League engagement.

Iris drove through the Mountie defence for no less than 18 baskets. The thirty-year scientist, a Fredericton lass, capped her display with a pair of foul shots, par for two tries.

Bliss' exhibition gives the Red and Black sextet a 2-1 record in league play. The UNB girls lost 52-47 to Dalhousie University of Halifax, N.S., in their premier outing but evened their slate with a

47-27 count over Acadia University of Wolfville, N.S.

UNB travels to Sackville for a return date against the Mount A co-eds March 2nd. Then the Mrs. Jean Morrison-commanded crew is off to Nova Scotia, meeting Dal at Halifax March 9th and Acadia at Wolfville the next night.

Bliss' 38 points gives the hustler a per-game average of 30.3 for three intercollegiate outings. She ran up 30 against Dal and 23 against Acadia.

Lois Lange hit for 16 points, the other double-digit deal engineered by a UNB player. For Mounties, Roberta Archibald starred with 22, all on field goals, while both Pat Barbour and Dorothy Terry tallied 17. Barbour tossed up eight baskets, plus a foul shot, and Terry matched five two-pointers with seven free throws.

Referees Pauline Cunningham and Gwen McMullin handed out 26 foul shots on 23 fouls. Mounties

were charged with 15 of the infractions. UNB connected on eight of 15 free throws, and Mount A tallied on three of 11.

The homieside sported a 17-16 lead at quarter-time, extending it by a basket in the second chapter for a 33-30 advantage. UNB was in front 49-42 after three periods. Mounties held a 14-12 edge in the finale.

Summary
Mount A—Barbour 17, Terry 17, Webb, Archibald 22, Mann, Conrad, Toole, Tupper, Loomer, Taylor, S. Colpitts, Ross.

UNB—Lange 38, Evans, P. Colpitts 3, Hornbrook, Bliss 38, Johnstone 4, Scovill, McDade, Edwards, McNeil, Fisher, Caughey.

Score by quarters:
Mount A 18 14 12 14—56
UNB 17 16 16 12—61
Referees: Pauline Cunningham and Gwen McMullin.



Lois Lays It In

UNB's co-ed basket-weavers, affectionately known about the campus as the Red Bloomers, currently are making their bid for Maritime Intercollegiate Women's Basketball League honors. Last winter, the Bloomers shared the circuit crown with Dalhousie University. This winter, they have no intentions of sharing the lofty spot with anyone. They want it all themselves. After losing their first start, the UNB gals have gone out and taken a pair of wins. Now comes the tough part of the schedule, the part that's played on the road. First for Bloomers will be a date at Sackville for an engagement against Mount Allison dolls. Following that they will be off for a two-town tour of Nova Scotia, meeting Dal at Halifax and Acadia University at Wolfville on successive nights. One of the main reasons why UNB girls are in action in the picture at the left. She's

Lois Lange, the smooth working centre. Lois and Iris Bliss together form the Bloomers' scoring punch. At the other end of the court is a hard-working, effective defensive corps, headed by team captain Di Edwards.

HOCKEY FLASH

CHARLOTTETOWN — St. Dunstan's outscored UNB Red Devils 5-3 in an overtime intercollegiate hockey game. It was the 4th straight loss for UNB. Saints led 1-0 after one period. It was 2-2 after two and 3-3 after three. In overtime, Saints tallied two unanswered goals. UNB, said coach Kelly, played very, very well before losing the tough decision. Flieger, Caldwell, and Meckler scored for UNB.

RINK SKED.

Tonight
8:30-10:00—Varsity Hockey Practice.
10:00-11:00—Free Skating.
Feb. 16
8:30-8:00—Intramural Game.
Feb. 17th
8:00-10:00—Varsity vs. St. Thomas College.
10:00-11:00—Free Skating.

POLO LEAGUE STANDINGS

Team	G	W	L	T	GF	GA	Pt
Arts & Sci.	4	2	1	1	22	22	5
Eng. 1 & 2	3	2	1	0	15	12	4
Foresters	4	1	2	1	20	20	3
Eng. 3 & 4	3	1	2	0	9	13	2

Feb. 18th
2:15—Eng. 3 & 4 vs. Arts & Sci.
3:00—Foresters vs. Eng. 1 & 2
Feb. 20th
8:30—Eng. 1 & 2 vs. Eng. 3 & 4.
Semi-finals will commence Feb. 25th. First place team will play 4th place; 2nd place team will play 3rd place.
An All-Star team will play the League Champions if time permits.

SCHEDULE

Tonight
7:00—Frosh Bus. Adm'n. vs. Sci. Faculty vs. Jun. Engineers.
8:00—Frosh Combines vs. Geologists; Int. Engineers vs. Foresters. Sen. Engineers (Bye).
Feb. 22nd
7:00—Sen. Engineers vs. Int. Engineers; Science vs. Foresters.
8:00—Faculty vs. Geologists; Jun. Engineers vs. Frosh Combines. Frosh Bus. Adm'n. (Bye).

Red and Black Skiers Show Well

WATERVILLE, ME. — The UNB Ski Club was the winner of the Alpine Combined skiing events at the Colby College Winter Carnival over the last week-end. The competing teams were from Maine University, UNB, Harvard, Bowdoin, and Colby.

Maine gained the highest total team points for the four event ski meet, while UNB was removed from a strong fourth place to fifth by an unusual technicality which doubly penalized the team for not entering a third jumper.

Three competitors from each team were counted for points in each event, but because UNB was only able to enter two jumpers, 35.2 points were deducted from the score made by the two jumpers. Nevertheless, UNB's jumpers, Bob Lawrence and Colin Bergh, gained third and eighth place respectively, with Bergh making one jump for which he was awarded 100% on style, the only jumper to do so in the field of 22. In cross country Maine, rated one of the top cross country schools in the States, overpowered the other universities with ease.

The tight 24-gate slalom was raced on very tricky snow conditions, but UNB skiers came in as a team in second position only .2 points behind Harvard, placing men in 5th, 6th, 8th and 9th slots in a field of 24. Here again Bergh, a Law student at Saint John who has been skiing in Europe for the past year, showed up well, making the fastest single run of the race. The narrow and icy downhill course was considered too dangerous, so it was replaced by a fast Giant Slalom which was won by UNB. Nowal Balch brought back the only trophy won by UNB by taking first place in the Giant Slalom, but the team as a whole made a very creditable showing, especially the downhill and slalom skiers.

Team Standings

Maine	383.
Bowdoin	339.7.
Colby	327.6.
Harvard	285.1.
UNB	280.9 (plus 35.2).

Slalom

Harvard	—96.1 points.
UNB	—95.9 points.
Bergh	5th place.
Spinney	6th place.
Balch	8th place.
McConnell	9th place.

Giant Slalom

UNB	—97.1 points.
Harvard	—95.6 points.
Balch	1st place.
Lawrence	5th.
Bergh	9th.
Spinney	12th.



Above: Norval Balch, winner of the Giant Slalom at Colby College, in action during the meet of the previous week-end at Royal Road.

Left: Colin Bergh, three-way skier for UNB, who showed up impressively in jumping, downhill and slalom at the Maine meet. A Law student in Saint John, Colin has been skiing in Europe during the last year.

EDWARD'S TAXI

Day & Night Service

Five & Seven-Passenger Heated Cabs

Phone 9431 or 5182

<p>EAR MUFFS</p> <p>BROWN</p> <p>BLUE</p> <p>GREY</p> <p>MAROON</p>	<p>PLAID CAPS</p> <p>TARTANS.</p> <p>BLACK WATCH</p> <p>DRESS STEWART</p> <p>GORDON DRESS</p>
--	--

85¢ PAIR

2.95

GAIETY MEN'S SHOP

"For Those Who Prefer Quality"

FREDERICTON, N.B.

UNIVERSITY

of

NEW BRUNSWICK

Courses Leading to B.A., B.Sc., B.Ed., B.C.L.
B. Admin.; Graduate courses for
Master's Degrees and Ph.D. in
Chemistry

- arts
- science
- engineering
- law
- forestry
- education
- business administration

Pre-Medical and Pre-Dentistry Courses
for information write the Registrar,
Fredericton, N.B.

SNACK BAR

He says he does it by *Steady Saving*
at the Bank of Montreal*

*The Bank where Students' accounts are warmly welcomed.

Fredericton Branch
Queen & Carleton Streets
DOUGLAS TROTTER, Manager
WORKING WITH CANADIANS IN EVERY WALK OF LIFE SINCE 1817