

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 vity 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.

1. How many of their daughters will be brown-eyed and bald?
2. 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.

1. What is in each solution?
2. 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 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