Peggy Colburn chosen as Integral Ball Queen

By Gene Foley

Saturday night, Miss Peggy Colburn, a coed at Illinois Tech and a pledge of Delta Zeta sorority, was crowned Queen of the 1954 Integral Ball. Peggy and her attendants, Vicki Jackson, Pat Rice, Lynne Stille and Carol Bonick, each received a string of pearls as a momento of the event. Miss Colburn, whose hometown is Moline, Illinois, is currently studying home economics while also working for Technology News and cheering.

Upon receiving her crown from Miss Bonnie Woomer, last year's queen, she turned to her escort, Gene Satter, of Alpha Sigma Phi, and gave him the traditional kiss, almost losing her crown to doing so. Peggy and Gene began to dance as the orchestra played Blue Moon, and the other 545 couples danced off the floor.

Departing from the gala for a moment, Bob Murdock, chairman of the ball, made a short speech while a solemn procession of the cheerleaders brought in a large basket containing "Billiken" toys. Those played for the "sweetheart" and the trophy was removed. Returning to the gala, BMU started the usual round of singing, which was finally concluded with the singing of "Alma Mater" by all of the guests.

Newman Club sponsors fall square dance

"Tech Turkey Trot," a square dance sponsored by the Newman Club, will be held on November 12 at the Normal University Auditorium. Admission will be 75 cents; Newman Club members will be admitted for 25 cents upon presentation of their membership card.

Although the dance is under the heading of square dancing, round dancing will be featured for those persons who aren't so energetic as most typical square dancers. Music will be furnished by Ned Chaplin and his band. Refreshments will be available to the participants.

A supply of girls from nearby colleges and hospitals will be present to join in the festivities. Thanksgiving theme will predominate with turkeys and autumn colors. Refreshments will be available at 10 cents a bottle.

In charge of the dance are: Joe Pullis, president; Roy Spedowski, social vice-president; Chuck Sheehan, program vice-president; and Jim Cullinan, recreation vice-president. George Tripp, treasurer; and Joe Daven, secretary.

Annual 'Toy Harvest' dance scheduled tonight in gym

By Ruth Koeppel

"Toy Harvest," Kappa Phi Delta's third annual benefit dance for the Ada S. McKinley Community House, will be held tonight at 8 p.m. in the gymnasium, Thirty-second and Dearborn streets. Admission is one toy or 25 cents.

A special treat tonight, according to Margy Panagos, president of Kappa Phi Delta, will be entertainment by the "Pearls," a teen-age singing group from Moline. The Pearls are noted for their "unique" harmony.

It is the first time "Toy Harvest" has been a square dance, but there will also be folk dancing and conventional dancing, led by the well-known caller, Bob McLean. Since it is in the gym, everyone will be required to wear rubber-soled shoes or gym shoes.

Pep rally features, band, bonfire, parade and speech

A pep rally will be held at 4 p.m. on Wednesday, December 1, at Ogden field prior to the basketball game with Kalamazoo. A parade will start at that time in front of the gym and March to Ogden field.

Taylor joins Air Force ROTC as Frosh Instructor

On November 6, Captain James B. Taylor, USAF, reported for duty as the new Air Force ROTC instructor, and athletics director for the IT AFROTC unit. He will also accompany cadets who will be given an opportunity to go on 2 or 3 hour flights with the 407th Troop Carrier Wing at O'Hare Air Force Base on Saturdays.

Captain Taylor, who now lives in Hammond, Indiana with his wife and two children, was formerly stationed at Mitchell Air Force Base in New York. At one time he attended the University of Nebraska where he played football while working toward his degree in commerce.
Protest against instructors who don't know how to teach

Have you noticed that Tech instructors are not required to learn how to teach? It is a well known fact that a person may understand a subject and yet not be able to teach that subject to someone else. It is apparent, then, that our $400,000 instruction budget is a chance to get an instructor who knows how to teach. As our students are concerned with poor quality of instruction, not ignorant instructors. Our faculty really knows their subjects, but many of them do not know how to impart this knowledge to others.

I am sure you have general experience of how to teach through the years. I would like to hear from other instructors as well. Your comments are valuable for this discussion.

The course in teaching should be the new instructor's first step. New, just as industry gives new employees training that would be impossible without the beginning of their graduate study, this would be a course required to be taken in their first semester. The instructor would begin teaching immediately, but being in such a small group, the course seems simple, interesting, and useful, so we do believe it would make instructors more ready to get started.

We feel that the right department should be consulted and not given the best course. It could be given by the school or other faculty member to the departments, to new instructors whenever necessary.

The course must cover how to teach, to speak clearly and interestingly, how to organize subject matter logically, and to assign homework so that it is beneficial to the students. The technique of giving examinations must also be covered.

There is nothing more disgusting to a student than to pay so much money for an education to get an instructor who cannot teach. Let's teach the instructor how to teach!

D. S.

Letter to the editor

Smithsburg corrects error on role of Faculty Council

Mr. Henry Caruso
Editor, Technology News
Dear Mr. Caruso,

In the Technology News of November 12, an article appeared which contained serious misstatements of fact and interpretation. While it is true that the Faculty Council is concerned with the problems of educational radio and television, and has set up a committee to study the matter, it is also true that a recent council meeting was attended by Mr. Kirk Logue to hear a proposal by Mr. Sidney Smolberg in Radio and Television to form a new committee.

The Faculty Council is an elected body of twelve faculty members which considers and makes recommendations to the administration on faculty and educational problems as they relate to Illinois Institute of Technology. It has no executive function such as that of hiring personnel. Mr. Logue was appointed by the executive officers of the administration and assigned to the public relations office. As a member of that staff he is concerned with the relations between the IIIT and the commercial television and radio stations. The Faculty Council is still discussing plans which will, we hope, form the basis for recommendations designed to make possible maximum participation by ITI in the programs of Channel 13. It may, in fact, at some later date, be requested to participate in the educational program on our campus.

D. W. Smithsburg
Chairman, Faculty Council

Letter from ITSA

Dean ‘clarifies’ relationship of ITSA to administration

Mr. Don Glessop, President
Illinois Tech Students Association
Dear Mr. Glessop:

I appreciate receiving your official statement concerning the action taken last Saturday meeting of ITSA. It is apparent that there is need for a clarification of the relationship which exists between the Dean of Students and the student government. This clarification is provided by the president and reports directly to him. The Dean in charges with the responsibility of handling matters pertaining to student safety, behavior, welfare, and activities. Penalties for violation of regulations are conducted during the best interests of Illinois Tech are assessed by a disciplinary committee comprised of faculty and administration, with the Dean of Students as chairman.

As the appointed Dean of Student Affairs six years ago, I immediately recognized a reorganization of the student government which gave the students more freedom of action in handling their own affairs. The authority which student officers may exercise was delegated by the office and made effective. Therefore, we could not maintain a reasonable authority or responsibility.

I have worked with students leaders over the past six years to encourage them that a student officer has responsibility and a responsibility which extends beyond the immediate interest of their department to all constituents of the Illinois Tech family, including faculty, alumni, students, and the general public with which we are concerned.

The problem of excessive drinking at our parties and certain objectionable features of Technology News have been a concern of the administration and a topic of continuing discussions with the student leaders year after year. Consequently, members of the Student Life staff certainly should have been aware of the nature of the administration with regard to student safety. During our discussions of the paper and the potential material which is obviously in the paper, the student life staff may appear to some that these situations should have been referred to the student government for action. My past experience, however, led me to believe that the penalties required to correct these undesirable features of our student activities program would not be forthcoming and that it was necessary for me to take direct action.

Our student government enjoys

Letter from CO-TECHIE

CO-TECHIE

FRESH

Dorae: college freshman
canteen: college freshmen
Dine at Stock Yard Inn on steaks

EXPECTS TO BE TAKEN HOME:

shining Cadets

Blows that dirty stories

THinks a college education:

leads to things fashionable, a social

Is interested in:

What Every Young Girl Should Know

Likes to neck

Her mother: "Death Before Dishonor"

SOPH

Dine at Stock Yard Inn

Expects to be taken home:

shining Cadets

Blows that dirty stories

THinks a college education:

leads to things fashionable, a social

Is interested in:

What Every Young Girl Should Know

Likes to neck

Mother: "Nothing ventured, nothing gained"

JUNIOR

Dine at Stock Yard Inn

Expects to be taken home:

shining Cadets

Blows that dirty stories

THinks a college education:

leads to things fashionable, a social

Is interested in:

What Every Young Girl Should Know

Likes to neck

Father: "Buy a Will"

SENIOR

Dine at Stock Yard Inn

Expects to be taken home:

shining Cadets

Blows that dirty stories

THinks a college education:

leads to things fashionable, a social

Is interested in:

What Every Young Girl Should Know

Likes to neck

Mother: "Nothing ventured, nothing gained"

SOPH: college men

JUNIOR: college women

SENIOR: college men
Grand opening features celebrities and tourney

By Chuck Landerback

Monday, October 15, was the official grand opening date of the Commons bowling alley. On hand to help with the opening ceremonies were Joe Morris and Joe Wilman, members of bowling's hall of fame.

The doors opened at 7 p.m. and the crowd was prepared for the evening's activities.

ITSA fines TEPs $10; hears progress reports

At Wednesday's meeting of ITSA, the board of control set forth a new precedent, that of fining organizations who turn in their recognition forms late. The offender in this first case was Tau Epsilon Pi fraternity. The fine levied was $10.

A letter of the ITSA public relations bureau, the SU public relations board, Dean Brown, and the persistence of Bob Joyce, brought forth the following notice:

This centrally located bulletin board is being constructed to be posted about campus. Upon posting of these boards, organizational announcements and publicity will be illegal posted anywhere else. The only exception is that posting in the SU lobby will still be permissible. These restrictions will not apply to exterior publicity, i.e. in fact that this new procedure will not down the amount of pressure needed, promote more originality in publicity and create a smaller campus, among other things.

Raymond S. Schwartz, vice-president and treasurer of Tau Epsilon Pi, was asked to appear at the meeting.

Mr. Schwartz was unable to attend due to a prior engagement.

A new and different... stag or drag

THE SURF ROOM

Dancing and Entertainment

Friday Night

Music by EDDIE FOX

His orchestra and wardrobe

From 9:00 P.M. Admission: $1.00 plus tax and that's all!

THE ELMS HOTEL

East 35th Street and Cornwell Avenue

Success Story for Two... and how it started

Joanne Dru started her career in a model of long-sleeve clothes. But it was her stage debut of dancing that was her part in a Broadway musical... which led to film stardom in Hollywood.

There's no John Ireland, co-star of the broadcast, not to mention her career, as the way she had it now. Today she is married and has two kids.
Happy Thanksgiving
From
CAMPUS BARBERS
ERNIE, SAM, JIMMY

WHAT'S THIS?
For solution see paragraph below. Droodle submitted by Michael Groez, C.C.N.Y.

COLLEGE SMOKERS PREFER Luckies — and by a wide margin — according to the largest and latest coast-to-coast college survey. Once again, the No. 1 reason: Luckies taste better. They taste better because Lucky Strike means fine tobacco. Then, that tobacco is toasted to taste better. "It's Toasted" — the famous Lucky Strike process — tones up Luckies' light, good-tasting tobacco to make it taste even better. The pleasure you'll get from Luckies' better taste is readily depicted in the Droodle above, titled: Modern artist enjoying Lucky while glancing in mirror. See the ecstatic smile? Well, yes, too, can be happy. Just go Lucky!

Better taste Luckies...
LUCKIES TASTE BETTER
CLEANER, FRESHER, SMOOTHER!

CTA to consider bid for "L" stop at 33rd

Last semester, a move to return the devoted stop to Thirty-third street was started by Jack Dole, a student of the CTA. In order to get enough signatures on the petition he was circulating, Jack asked the AFROTC to help. Captain Hamilton agreed, and when the petition was filed there were over two thousand signatures from army students, evening students and AFROTC workers.

All the same, the questionnaire was printed in the Technology News asking how many people would use a new stop if it were to be activated. The return on this questionnaire was very encouraging. A letter was then composed explaining the position in the matter. This letter and the signatures were taken to Mr. W. R. Gunlock by Don Glissong, president of ITS, Capt. Hamilton of the AFROTC and Mr. John Schommer.

At this meeting, which took place November 5, Mr. Gunlock explained the CTA's position on the station. He stated that while there were at least fifteen hundred fares per week day they would lose money, it is because to put a stop at Thirty-third would require the dropping of another station somewhere along the line. And all of the other stations have a fifteen hundred or more minimum.

Along the edge of the track across Thirty-third street. If the traffic were to increase, the nearest station fare would increase, and the station might be replaced. Mr. Gunlock expressed the belief that tech is close enough to the Loop to use surface lines to and from downtown. Then, too, it was stated that a stop at Thirty-third would make people walk. The CTA tried to spend up money a little later, and this is one of the fastest parts of the city.

The subject of new housing on Tech's campus and the new apartment in the neighborhood was brought up and the fact that the people living in these new buildings would probably use the new stop. Mr. Gunlock said he thought these buildings should have been built so that they could use existing facilities and not create a new problem for the CTA. However, he did say that the CTA is looking into the problem and one of their solutions is to remove the tracks on Thirty-third and drop them on the street at Thirty-third. This would be done because the campus is expanding and would probably be extended far when this time to done.

In a letter written to Mr. Gunlock sent to Don Glissong, it was stated that the CTA would make a record of the location and financed the student body for the consideration shown in such manner.

Tech Timetable

Friday, November 19

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[Advertisement for Lucky Strike cigarettes]
NROTC "antisubmarine warfare teacher" to its staff

Lt. Hoffmann as interviewed by Bob Sindelar

In keeping with the Navy's constant aim to be in the lead, the NROTC has recently had antisubmarine training installed.

The "antisubmarine attack" Navy personnel in the use of antisubmarine equipment. Sonar is an underwater detection device employing ultrasonic waves to determine the range and bearing of a submarine to enable the sonar man to maintain a safe distance in the water. The process is called "sonar." The detection device is usually a "waffle" of the ultrasonic waves. The waves are sent into the water, and the returning waves are recorded by the sonar man. The returning waves are sent to the sonar man, who can then determine the range and bearing of the submarine. The sonar man must be familiar with the equipment. The sonar man must be able to send the waves into the water, and the returning waves must be recorded.

Chapel Services

A Thanksgiving service will be held during the free hour on Wednesday, November 24. This will be a non-denominational service which is sponsored by the religious council and all Tech Center personnel are invited to attend.

For the special attention of Electrical Engineers and Physicists

HUGHES

announces openings on its Staffs for those receiving B.S., M.S. or Ph.D. degrees during the coming year.

For work in

ENGINEERING

Project Engineer

Product Engineer

Mechanical Engineer

Electrical Engineer

For work in

PHYSICS

Research Physicist

Research Scientist

Computer Engineer

Computer Scientist

For work in

DEVELOPMENT

Software Engineer

Systems Engineer

Electrical Engineer

Mechanical Engineer

For work in

For work in

For work in

For work in
**Tech Sports**

**Kalamazoo first foe for basketball squad**

Illinois Tech will open its 1934-15 basketball season Dec. 1 when Kalamazoo college invades the Tech Arena at 33rd and Dearborn streets, Chicago.

An 18-game schedule, including two single games and 16 home-and-away contests, has been announced by Kil W. Glancy, Illinois Tech basketball coach.

There are two additional games in the Chicago Collegiate tourney during the Christmas holidays which will give the Techs a 21-game season.

All home games, with the exception of the Jan. 11 and Feb. 11 games, will be played in the Illinois Tech gym, 33rd and Dearborn streets. The other two games have been scheduled for the De Lathland Archway and Michigan Avenue.

The schedule follows:

<table>
<thead>
<tr>
<th>Date</th>
<th>Opponent</th>
<th>Location</th>
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<tr>
<td>Dec. 1</td>
<td>Kalamazoo College</td>
<td>33rd and Dearborn</td>
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<td>Dec. 4</td>
<td>Monmouth College</td>
<td>33rd and Dearborn</td>
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<td>Dec. 7</td>
<td>U. of I. (Navy Pier)</td>
<td>Chicago</td>
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<td>Dec. 11</td>
<td>Lewis College</td>
<td>33rd and Dearborn</td>
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<td>Dec. 14</td>
<td>Columbia College</td>
<td>33rd and Dearborn</td>
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<td>Dec. 16-17</td>
<td>Tourney Navy Pier</td>
<td>Chicago</td>
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<td>Jan. 4</td>
<td>Chicago Tech, Car</td>
<td>33rd and Dearborn</td>
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<td>Jan. 5</td>
<td>Kalamazoo College</td>
<td>33rd and Dearborn</td>
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<td>Jan. 6</td>
<td>Carroll College</td>
<td>33rd and Dearborn</td>
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<td>Feb. 4</td>
<td>Quaker College</td>
<td>33rd and Dearborn</td>
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<td>Feb. 15</td>
<td>U. of Chicago</td>
<td>33rd and Dearborn</td>
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<td>Feb. 24</td>
<td>Concordia College</td>
<td>33rd and Dearborn</td>
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<td>Feb. 25</td>
<td>Pillsbury Hall</td>
<td>33rd and Dearborn</td>
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<td>Feb. 26</td>
<td>Lewis College</td>
<td>33rd and Dearborn</td>
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<td>Mar. 1</td>
<td>C.T.C.</td>
<td>33rd and Dearborn</td>
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<tr>
<td>Mar. 2-4</td>
<td>U. of Chicago</td>
<td>Chicago</td>
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**QUARTZ CRYSTALS**

**How a 1/4 hour "gem-cutting" operation became an 8-minute mechanized job**

**Problem:** Preparing quartz crystals for use as electronic frequency reference standards calls for the highest degree of precision. So much so, in effect, that prior to World War II most skilled gem-cutters were employed to do the job.

But during the war, there were not enough gem-cutters to keep up with the demand for crystals in radar, military communications, and other applications.

Western Electric tackled the job of building into machines the skill and precision that had previously called for the most skilled operators.

**Solution:** Here is how quartz crystals are made now—by semi-skilled labor in a fraction of the time formerly required:

A quartz stone is sliced into wafers on a reciprocating diamond-edged saw, after determination of optical and electrical axes by means of an oil bath and an X-ray machine. Hardness accuracy is assured by an orienting fixture.

The wafers are cut into rectangles on machines equipped with diamond saws. The human element is practically eliminated by means of adjustable stops and other semi-automatic features.

The quartz rectangles are lapped automatically to a thickness tolerance of plus or minus 0.0001 in. A tape prevents overlapping. Finally, edges are ground to specific length and width dimensions on machines with fully automatic microfaced systems.

---

**Tech holds annual prep tournament**

Bernard (Bunny) Weisman, Illinois Institute of Technology athletic director, has announced that forty-three Chicago public high school teams are eligible to compete for the pre-season baseball tourney in the eighth annual Illinois Tech Prep Basket-

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**Gralow's Groans**

**by Dick Gralow**

Ending up one of the most competitive touch football seasons in recent years will be the annual Slide Rule Bowl game sponsored by Technology News. The game is to be played Monday, November 26, on Open Day during the free hour. The team to participate will be champions of the El and IF leagues.

Close competition was evident in fraternity play this year. In contrast with the El league all four teams participating in the IF finals were undefeated even though the top teams in the two leagues had played each other. The undefeated record was the result of games between the first and second place teams in both leagues.

Today's Fraternity game between the Big Eps and Phi Kaps will name the El representative to the annual classic while the IF finals on Monday will produce the future champion.

To see an intramural touch football at its finest, IDM invites everyone's attendance at the big game.

All eyes will be on Tech's Varsity basketball team in their first game against Kalamazoo College on December 1. The way things look now the team could win an average of 20 to 25 points.

Tech's much heralded freshman swimmers will get their first chance to compete in Intercollegiate Meet November 24 and 25. These men will be worth watching as the season progresses.
Intra-mural grid champs to be determined Monday

By Danielle Dunn

At 11:00 a.m. today on Opus Field the AF “Advance Line” will play the AF “Basic” in a giant which will decide the two teams to meet in the Intra-Mural football championship game Monday.

Although they have lost to the big Bisons last Friday 7-6, in the most stunning upset of the season, the Fire Frogs are the only team to have clinched a playoff berth. At this time they are tied with 4-1-2 records and are the Hare Frogs and Pokes.

A. Mosillo top prophet with unmarred entry

By Pierre Zelines

A perfect entry was submitted for the first time in the 6th Pikes Prophets contest. A. Mosillo forecasts the outcome of 10 games to become the season’s top prophet and recipient of this week’s 1st prize. The Chestfielders’ winners are Gary Wallace and Albert Teles, copping the 2nd and 3rd spots respectively.

With the season nearing its finish, the top teams of the season are becoming evident. After last week’s contests, only 2 major college elevens remain undefeated. UCLA, Ohio State, and Oklaholma. With Notre Dame, these compose the top four teams of the nation, so say the coaches and sport writers via EPD and AF.

Here in the Mid-West, the Big 10 played a fine brand of football in its 5 contests. Wisconsin came back to down Illinois 3-14 while undersized Michigan State was trounced by Wisconsin 16-15. The Michigan-Michigan State and Ohio State-Purdue contests were routs for both Indiana and Michigan. Ohio State-Purdue beat Chicago in a thrilling afternoon with the Buckeyes gaining the 14-13 win.

Sunday’s Pro title attracted the largest number of fans to their stadiums so far this year. Alumni 40,000 saw the Lions roar out a 43-1 victory over the following honors. Equally impressive crowds viewed the Tennessee-Mississippi and Ohio State-Purdue games. With the Lions, Giants and Browns gaining over their opponents, they have behind the remaining squads in the scramble for the conference crowns. The Lions are favored to make it 3 to 1 against the Western section while New York and Cleveland appear to have the Eastern race in themselves.

This season’s fourth (?) game belongs to the field 12 contests which should not be overlooked. They range from the annual Army-Navy tilt of worldwide interest to the matchups of sectional rivals in the Bay City and Florida-Miami battles.

Army is favored over Navy and in the face of the intercollegiate past performance means little. Duke should down N. Carolina while Southern Cal. bows to Notre Dame. TCU is endeavoring to improve to SMU and Tennessee will gain a win over the Vanderbilt eleven.

Don’t be a somber hombre...

"Light-up" in an ARROW Sport Shirt!

The best way we know for a bright change-over is a colorful Arrow sport shirt. They’re brilliant for all colors, keen in plaid; certain to drive your study cares away.

Arrow sport shirts give any workaholic a shot in the arm for color and style. They’re astounding in comfort and fit too—what’s more, these shirts can take a beating like nothing in the laundry. A man can own as many as a sport shirt. But Arrow gives you more. Priced from $3.95.

ARROW CASUAL WEAR

SHIRTS & TIES UNDERWEAR MATCHERS

CHICAGO FLEMINGTON EVERGREEN OAK PARK GARY AITON
Bowling

![Image of a bowling alley]

Joe Marvin and Joe Whitney both bowled two games and saved the alley, their professional companions. Whitney seemed to have a little trouble getting the number ten pin on alley three. Both were also getting some splits, and were feeling out the alley in the first game, but did better in the second game. Whitman ended up with a 140 and Burke had a 160 for the two games. In the first game Norris scored every frame, for a 190 and then came up with a 195 for the second game. Whitman had 177 and 180 for two games.

The feature of the evening was the singles match elimination tournament for a new Brunswick bowling ball. The four Tech students that qualified were Pread Chisholm with 290, Wallace Schuster with 240, Jim Kennedy with 185, and Chuck DeKiev with 180 for the three-game qualifying series. Chisholm opened his first game with a double strike as Kennedy was showing some difficulties. Although the score could go as far as they wanted in bowling depending upon their preference in sports.

With good showings all around and the alley dry, the tournament came to a quiet halt. This occasion also brought several important people around campus. These were: Dean Deakins, Mr. Paul J. Rose, manager of the Commons; Mr. Bobbitt, assistant treasurer and purchasing agent; and William C. Kravitz, director of tests.

Flinndon's Diana Lynn: "I think the Miracle Tip is the most modern filter... and L&M the best-filtering filter cigarette."

David Wayne, Stage a Scene, "L&M have the best filter of them all. Miracle Tip is right! There's nothing like it."

Mrs. Laddie Sneed, Socialite Sportswoman: "I love L&M. Wonderful filter - exceptional taste!"

No filter compares with L&M's Miracle Tip for Quality or Effectiveness

Isn't it time you tried the cigarette that is sweeping the country... breaking record after record... winning more smokers in less time than any cigarette ever did?

Why such success for L&M? It's the filter that counts, and L&M has the best. You get much more flavor, much less nicotine... a light and mild smoke... because only L&M's Miracle Tip gives you the effective filtration you need.

Enjoy L&M's king size or regular - both at the same low price. Like thousands, you'll say - "They're just what the doctor ordered."

More Flavor
Less Nicotine

Best Filter Cigarette!