Review Of New England Skiing Resorts Shows Stone-Mansfield Most Popular

By LARRY B. COLLINS

Leaves, valleys, and mountains of New England were divided into three classifications: the low mountain, the middle of North Conway, and the snow-train Maine. From reports, it is the most tremendous scarce of open spaces as well as trails, an exciting situation for the improving novice. Cranmore, in the middle of North Conway, is convenient to all the facilities and the snow-train Maine. From reports, it is the most	

(In continuation on Page 1)

DOWNHILL AT FRANCONIA NOTCH


THE TECH

THE TECH

Dorm Comm., 5:15 Club, Interfraternity Council, Sponsor, Extravaganza

In an effort to bring the entire student body together in one large activity, the 5:15 Club Interfraternity Council, and the Sponsor have combined forces to produce an All-Tech Dance. Nationally famous Charlie Spivak, billed as the "man who plays the sweetest trumpet in the world," has been selected by the dance committee to supply the music for the Spivak's orchestra, which is currently engaged in Cuba and which is flying here for the dance, features baritone vocals of Tom Kinnear, singing sensation Bobby Sickey. Only seven years old, the orchestra has rocketed to top-flight stature so fast that it is recognized as among the kings of the entertainment world.

Date Correction

Originally planned for February 16, the date has now been changed to February 25 in order to co-operate with the Wellesley College "Winter Carnival." This date conflict would hamper the potential success of the dance, and with this date in place, February 25 was put into effect. Dates and price for the sale of tickets have not been affected by the committee, but the price is expected to remain the same as last year. Under Albert Cobin, member of the dance committee, the dance series was set in this range in an effort to establish the minimum price possible for the event. The dance committee and at the same time this range is considered to be a more reasonable price for the student body without high prices.

To Be Informed

Although this is a dance of such nature ordinarily unimportant, the committee has decided unannounced, other events which are probable for the sale of easie and comfort of the committee that because of this, the entire course of the dance from the student group to the dance committee is a large extent.

Admiral Cochrane To Give Ship Talk

High Seas Ships To Be Topic of Sun. Lecture

"Modern Ships for the High Seas," will be the topic of the annual Popul Science lecture to be held at 4 p.m., Sunday, January 16. Room 10-256. Guest speaker will be Admiral Edward L. Cochrane, prof of naval construction at M.I.T.

In his illustrated talk, Admiral Cochrane will outline the present-day status of the United States merchant fleet and the trends for the future. It was also pointed out by the committee that because of this, the entire course of the dance from the student group to the dance committee is a large extent.

Admiral Cochrane marks the first unified effort of all these living and the Twentieth Century. This combined effort has been "on the fire" for three years out last November. History, all other events, and the students from each living group, was the first time that any formal action was taken on the subject. At that time Allen C. Otten '31, Arthur Grenberg '31, and Albert Cohen announced the committee that because of this, the entire course of the dance from the student group to the dance committee is a large extent.

N.Y. Author Kohn To Lecture Here

Professor Reuben Kohn of the City College of New York will lecture on "Science Fiction" on Tuesday, January 17, at 4:30 p.m. in Huntington Hall. Professor Kohn is an outstanding authority on the subject of nationalism. He is the author of several books on Nationalism, Revolution and Dichter, and Politics, and in these fields.

This lecture is being given as part of E-35, "The U.S. in World Politics," and members of the staff who are interested are invited to attend.

THE TECH

Necessary measures were taken to ensure the safety and security of everyone involved. Augusto Gambino, a member of the security team, said: "We wanted to make sure that nothing happened at the dance. I had been worried about the possibility of something going wrong, but the dance was a success." The dance committee, consisting of volunteers from all corners of the campus, worked tirelessly to ensure that the event ran smoothly and safely. They planned every detail, from the music to the food, and their hard work paid off. The dance was a huge success, and everyone who attended had a great time.

The next motion, which was a vote of the Institute Corporation, approved the proposal for the Budget Committee. This action was necessary to ensure the financial stability of the Institute. After this, President Killian announced the appointment of Professor Howard R. Witze as Chair of the Institute Committee. Professor Witze was a respected member of the Institute and was well-respected for his dedication to the cause of education. His appointment was met with enthusiasm by the Institute Corporation.

A new machine designed to check flight characteristics and control the performance of an aircraft was announced. This machine, which is the "flight simulator," technology engineer will be able to set up an "electrical model" of any aircraft which is in an advanced stage of design and then apply an actual autopilot to it for non-existent, experimental flights. This simulator will be able to develop flight characteristics obtained from working plans and flight logs. It also permits various changes to be incorporated in the plane's design after the actual flight has been made.
ANOTHER CANDLE IN THE CAKE

Several days ago we passed our seventieth birthday, cele-
brated the event appropriately at our annual banquet, and
inaugurated Volume LXX of The Tech. The anniversary holds
more than special significance for us, in that it marks the
management of the newspaper changed hands. A new managing
board was installed and many staff promotions were made.
With a final salute to the Managing Board of Volume LXIX, we
begin the year and a new volume.

GENERAL STATEMENT

It would be well here to outline a few of our policies,
editorial and otherwise. The primary purpose of this newspa-
per is that of communication. In order to present the news
from an all-round viewpoint, we shall continue to make every
effort to separate opinion from the factual material of our news-
steres. Moreover, we do not believe that it is our job to act as
publicity medium for the various activity groups throughout
the school. It is for us to decide what constitutes news, and
how heavily it should be weighed. We mention this in the hope
that the numerous publicity chairmen who think otherwise
will take note.

ALL-TECH DANCE

Through some process of spontaneous combustion, plans
for the All-Tecl Dance were acquired. The project is an am-
bitious one, with a noble purpose. It is probably the first
significant social affair to be held here directly under the
auspices of a three-way living group combination. Our In-Flang
living groups are destined to remain apart, but social events
such as this will do much to make the entire undergraduate
body a more coherent entity. We are especially glad to see
living groups are destined, to remain apart, but social events
for the All-Tech Dance have emerged. The project is an am-

BETTER MOVES

A con of the most popular features of the last few weeks has
been the high rate of snowfall on campus. The snowfall has
been light, but most assuredly consistent. There are, we
believe, two things that we should consider. The first is the
low volume of snowfall on the campus. We think it is a fact
that the snowfall on campus is less than it was last year.

Skiing

(Continued from Page 1)

THEATRE

During The Tech"s first quarter, the first performance of the
season was given by the Harvard Lyric Quartet. The program
consisted of several familiar songs as well as a few newer
pieces. The quartet's playing was generally adequate.

MONEY TROUBLE

The Institute Committee reached a dilemma last Wed-
nesday. Everyone agreed that the forthcoming Activities Ball
should be a big enough and costly enough affair to justify re-
ward hard-working activity men. But no one knew where to get
the money to pay for it. Attendance is by invitation only, each
event being allotted certain number of tickets—after it has
contributed its allotted share of the costs. The cost to each
organization was determined on the assumption that all
activities will participate. It was mentioned that even the
relatively small expense is too much for the more financially
stricken groups, and that some might choose to forego their
invitations rather than be taxed to pay for the affair. This
loss of revenue would result in a deficit. The idea of sub-
stantially cutting the budget was considered, and rejected. The
expensive yearbook has been cut too far, for with a deficit,
the yearbook would be needed after the year is over. But
these are minor errors that we only wish to note. They have
nothing to do with this year, and are errors that we will fix
next year. But the cost of the yearbook is a definite deficit.

GELOTTI'S "RED TAG" USED CAMERA SALE

Prices cut 10% to 40%!

NEW YORK: John Gelotti Inc., 544 Madison Avenue, and
Boston: 155 Newbury Street, Boston, Mass. will hold a
sale on all used cameras and photographic equipment.

Boston: 155 Newbury Street

1. Light up a Philip Morris

YOU'LL TASTE the difference in a Philip Morris.

The Morris brand you smoke.

Philip Morris cigarettes are individually hand-rolled and aged to achieve our famous
"Phillie" taste. None other can offer you the same.

2. Light up your present brand

When you buy Philip Morris, you're getting the finest cigarette you can smoke.

We're not saying you're wrong. Just that you're not missing a thing.

Philip Morris cigarettes are the finest cigarettes ever made.

"We're number one. Ask anyone who knows."
### Swimmers Top Trinity, 44-31, Capturing Six Of Nine Events

Bowdoin Squad Here Tomorrow Afternoon

Taking six out of nine events, the Pool swimming defeated Trinity in a meet at Alumni Pool last Wednesday. The Engineers amassed 44 points against 31 for the visiting team. Trinity swept their second victory of the season.

There were no double winners in any of the events. The Engineers' Captain Frank Connolly accounted for all three events in the 225 yard freestyle and a second place in the 100 yard freestyle.

Bowdoin's swimmers will visit Alumni Pool tomorrow afternoon for a meet at 5:00 p.m. Meanwhile the Tech freshman squad will be swimming against Eliot at the latter's pool.

#### 1. Swimming Shootout
- **Event:** 225 yard freestyle
- **Winners:** Eliot

#### 2. Wrestling, Squash Teams Listed For Home Contests

Engineer grumers and raquetists will be performing on the home grounds this weekend.

The varsity wrestling team is entering Amherst's grapplers in a meet beginning at 2:00 p.m. The squash teams will be meeting Amherst in an effort to break into the top two places among their rivals this season.

Both teams will furnish the opposition in the next home basketball game, which will be held in the gymnasium Wednesday night. Tomorrow night, Ted Heurling's squad will be at Brown for a free trdel lesson.

#### LEARN TO DANCE

Enjoy your College and Fort Dance... Be popular, have fun! Learn the latest steps in Fox Trot- Waldorf- Rumba- Tango- Samba.

2 For The Price Of 1
Call today for a free trial lesson

SHIRLEY HAYES DANCE STUDIO

#### SKI PKG.

FOR SLASHERS IN ALL ACCOMMODATIONS, WRITE:

<table>
<thead>
<tr>
<th>PACKAGE</th>
<th>PRICE</th>
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<tr>
<td>BROMLEY, Vermont</td>
<td>$795</td>
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#### SKI BUSES

**ROUND TRIP FARES FROM MIDDLETOWN TO WEST POINT**

<table>
<thead>
<tr>
<th>Departure</th>
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<tr>
<td>9:00 a.m.</td>
<td>2:00 p.m.</td>
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#### U.S. AIR FORCE

**ONLY THE BEST CAN BE AVIATION CADETS**

**Aviation Cadet Pilot Training**

Aviation Cadet pilot training is also available to you, among other careers in the U.S. Air Force. Discuss the possibilities with your Aviation Branch, U.S. Air Force Recruiting Station, or by writing to the Chief of Staff, U.S. Air Force, Attention: Aviation Cadet Branch, Washington, D.C.

**Aviation Cadet Cadet?**

You'll be an Aviation Cadet! And, you'll receive the best available training—including 14 hours in the YF-9 "Flying Classroom."

Then, graduation! You'll win your wings as a navigator and a commission as a Second Lieutenant in the Air Force. After a 10-day tour with your squad, you'll be ready for challenging assignments as navigator with one of the famous commands in the U.S. Air Force. Your office will be the "front office" of mighty bombers or long-range transports! Be among the first to win your wings as a U.S. Air Force navigator under the new navigator-training program—be a key man on the Air Force team!
Penciling Riddles

Company C-0 Penciling Riddles will hold a formal initiation for candidates today. Those to be initiated hold a formal initiation for candidates. The ceremony will be followed by an informal bull session and stag party.

Activities


Flight Simulator

The first four contestants were Walt Mooney, Lloyd Licher, Richard Baxter, and Eugene Larrabee. Mooney made 37.4 seconds with his Piper Super Cruiser.

Data from Wind Tunnel

A problem is worked out on the apparatus by setting electronic controls. The answer is returned via electrical signals through a computer dial. The computer can handle problems of a very high speed aircraft with a reduction in cost, time, expense, and number of conventional flight tests.

Altitude, velocity, weight, etc., are taken into the computer by applying appropriate electrical signals through a control board. The answer is returned on a chart on a recording apparatus. Tests on a matter of only minutes. The machine, according to Dr. Hall, explains, "is the answer to the question of how much smaller a model aircraft to study.

Simulator

This computer, one of several at Technology, is one of the most powerful. It can handle problems of a very high speed and very complex nature. The machine can provide data from wind tunnel tests of small models of the proposed aircraft. The machine is "set" into the simulator by applying appropriate electrical signals through a control board. The answer is returned on a chart on a recording apparatus. The simulator is used for various important characteristics of the aircraft to be studied - weight, velocity, altitude, wing span and many others. Before the simulator can be used, many of these characteristics must be obtained from wind tunnel tests of small models of the proposed aircraft.

Last Comm.

(The continued from Page 1)

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Model Aircrafters

On Sunday, members of the Tech Model Aircrafters conducted a successful flying scale model airplane contest in Rockefeller Cage. The prize was a perpetual trophy which the club has for this speclal event. Presidents Otto Kopen and Frank Bentley judged the event.

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Then the question is "set" into the simulator by applying appropriate electrical signals through a control board. The answer is returned on a chart on a recording apparatus. Tests on a matter of seconds. This computer, one of several high-speed mathematical machines at Technology, adds, multiplies, integrates and subtracts at almost unbelievable speed. For example, a "simple" computation which would take an able operator 100 hours to carry out by hand is handled by the computer in 10 seconds and much more elaborate problems can also be handled in a matter of only minutes. The machine is "set" into the simulator by applying appropriate electrical signals through a control board. The answer is returned on a chart on a recording apparatus. The simulator is used for various important characteristics of the aircraft to be studied - weight, velocity, altitude, wing span and many others. Before the simulator can be used, many of these characteristics must be obtained from wind tunnel tests of small models of the proposed aircraft.


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