

## Frosh Coeds Divided In Views On Dorm

By Mona Dickson

An opinion poll of the freshman coeds' reaction to the new undergraduate women's dorm showed that they expect to enjoy the dorm but are not happy about being "forced" to live there.

The coeds were asked: "If you had the choice of living in the dorm or an apartment, would you live in the dorm?" Twelve said yes, five said no, and two were undecided. Several said they couldn't wait to move in.

In answer to "Do you like the idea of being forced to live there?" six said yes and eleven no.

Objections to the dorm are not over the cost. Fourteen didn't mind the \$1100 cost, while two did, and two were undecided. Even so, eight would be willing to get fewer services—such as fewer meals—if the cost were lower, while seven would not.



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## SLUTS Bomb TNT's 27-15; Rematch Scheduled

by Richard S. Russell

Assistant to the Associate Tiddlywinks Editor

The Smith Ladies Undergraduate Tiddlywinks Society (SLUTS) defeated the Tech Newspaper Tiddlywinks (TNT) in a hard fought match at Smith last Saturday. The SLUTS scored game victories of 4-3, 6-1, 6-1, and 6-1 while the TNT team had close wins of 5-2 and 4-3 for the final match total of 27-15 in favor of the SLUTS.

From the opening tiddle, the SLUTS took the initiative, as Maryann Unger placed four winks in the elusive cup to score 4 points for her team. However her partner, Elaine Zahos, was unable to overcome the deft thumbs and unerring aims of Jason Fane and Jerry Elder of TNT, who were the second and third to deposit four winks. They scored 2 and 1 points, respectively.

Miss Zahos, playing defense, devoted most of her game to squopping (covering) TNT winks.

The defensive tactics of the SLUTS surprised the TNT men, who had anticipated a strictly offensive game. The policy of flipping from a rug was also a blow to TNT, which had practiced only on table-tops prior to the tourney.

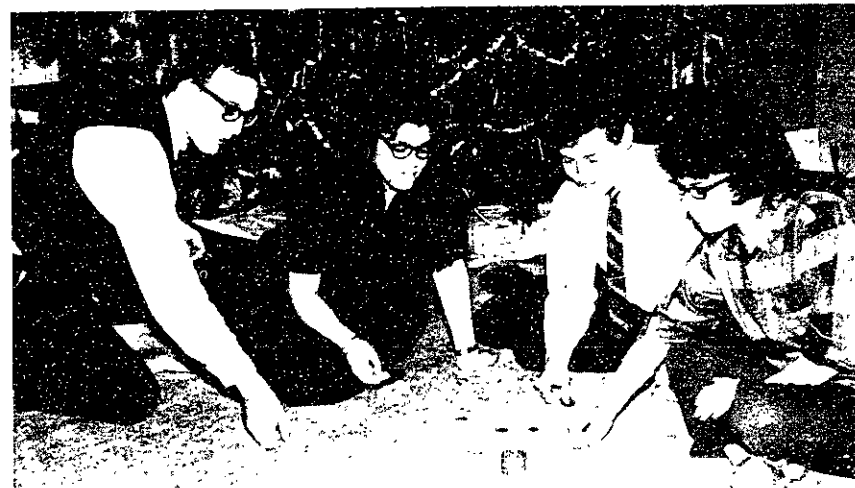
TNT did succeed in enforcing the use of its standard Milton Bradley tiddlywinks, as well as the smaller Donald Duck tiddlywinks customarily employed by the SLUTS. All agreed that the large winks provided a better game.

As the match proceeded, TNT captain Toby Zidle and teammate Ralph Grabowski demonstrated a fine under-the-rim form in out-duelling Kathy Hershey and Elaine Young for their 5-2 victory.

Defensive tactics employed by SLUTS captain V. C. (Burma Shev) Shevits and manager Mary Langford effectively contained long-shooting TNT manager Cliff Weinstein and teammate Richard Russell to hand the TNT men a 6-1 loss.

The rigorous practice of the SLUTS defense came to their aid in under-the-rim action, but could not forestall the shot of the day, a 2½-foot squid (hole-in-one) fired by Grabowski in the first game.

On the whole, the match was characterized by clean play on both sides. The match leaves the SLUTS' season record at 1-0 and the



Battling out the final game of the SLUTS-TNT tiddlywink match are (l. to r.) Ralph Grabowski '63, Mary Langford, TNT Captain Toby Zidle '63, and Vivian "Shev" Shevitz, Captain of the SLUTS. The Smith team won the game, 6-1, and the match, 27-15. —Photo by Ralph Grabowski

TNT's at 0-1. A rematch has been scheduled for February 9 at MIT.

No word has been received at the tiddlywinks desk concerning the national invitational tournament at Columbia sponsored by the National Undergraduate Tiddlywinks Society.

Elsewhere in tiddlywinks action, an intramural game took place just outside Building 10 last Sunday. In a grudge match, the pledge class of Chi Phi, accompanied by cheering section and marching band, defeated the Chi Phi sophs 12-3. All games were won by the pledges, 4-0, 4-3 and 4-0.

The pledge coach praised the fine play of the opposition and invited challenges from other groups. As yet, no other intramural entries have been noted.

### Railroaders Discuss London Transportation

Brian Martin will speak to the Railroaders Association about London Transport at 5:15 p.m., December 12, in the Spofford Room, 1-236.

London Transport, the largest transit company in the western hemisphere, moves 10,000,000 people a day. It uses 8000 buses and 4100 subway cars to do the job.

Martin, a research assistant in the Civil Engineering Department, is a native of England, and has worked in the London Transport Operations Research department.

### Pilot Loses Control

## Draper Tells of Aircraft Improvements

Dr. Charles Stark Draper, father of inertial navigation and head of MIT's Dept. of Aeronautics and Astronautics, spoke December 4 before the Flight Transportation Seminar. His topic was guidance and control for future flight vehicles.

Dr. Draper first touched on the problems presented by today's high speed aircraft. He stated that in the past the man in control of the vehicle was able to accomplish guidance and control on his own, but that today's higher speeds and more complex vehicle missions require automatic assistance for the pilot.

Although today's equipment is ten times as good as that of a year ago, Dr. Draper explained, engineers still feel the desire for "just one more improvement" in design. Thus equipment becomes continuously better and more complex.

Describing some of the history of aircraft control and guidance, Dr. Draper explained that in the early days of aviation, the problems faced were of control, of making the aircraft go in the desired direction, rather than of navigation and guidance. As air-

craft became more complex, navigational problems were encountered and met by radio aids to navigation and by the older methods of celestial navigation.

Higher speeds and greater needs for independence of ground stations necessitated new methods. Although radio-astronomy with fixed stars is impractical for vehicle navigation, an artificial star, such as the Transit Satellite, can provide accurate reference signals

### Knighen Suffers Injuries In Bicycle Accident

Robert Knighen '62, a first year grad student in Mathematics, suffered back and head injuries in a bicycle accident December 1.

On a bicycle excursion with his roommate, Robert Simon '62, Knighen lost control of his bike on the Concord Avenue hill in Belmont.

While following Simon coasting down the hill, he failed to negotiate a ninety degree turn and collided with a stone wall fence on the other side of the roadway. He incurred two fractured vertebrae and a skull fracture. One of the cranial plates was displaced inward and had to be restored by surgery.

Knighen is presently convalescing in Mt. Auburn Hospital and will be transferred to the Homberg Infirmary in a few days where he will remain two to three weeks.

### Guidance By Satellite

which can be used by submarines underwater as well as surface ships and aircraft. Celestial navigation has also been automated to the extent that automatic devices to take star sightings and give positions have been built.

Dr. Draper stated that the most promising of the new systems is inertial navigation. Combining a system of three gyroscopes with digital data processing, this system is capable of accuracies within one tenth of a mile on the earth's surface. Although the first such devices were quite large, Dr. Draper explained that present models were suitable for use in missile guidance and demonstrated a half-size model of the Polaris inertial system somewhat smaller than a basketball.

Dr. Draper also stated that development is presently being done on a helicopter inertial guidance system and predicted use of inertial guidance with radio and radar in future commercial aircraft.



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