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 said no.

Objections to the dorm are not over the cost. Fourteen didn't mind the $100 cost, while two did, and two were undecided. Given even, eight would be willing to get fewer services—such as fewer meals—if the cost were reduced.

The defensive tactics of the SLUTS surprised the TNT men, who didn't expect to see a rug in the final match total of 27-15 in favor of the SLUTS.

Dr. Charles Stark Draper, father of inertial navigation and head of MIT's Dept. of Aeronautics and Astronautics, spoke December 4 before the Pilots and Astronautics Club on the subject of "Guidance and Control in Spacecraft". His talk was guidance and control for more complex vehicles.

Draper first touched on the problems presented by today's high-speed aircraft. He stated that the ability of the vehicle was able to overcome guidance and control on his own, but that today's high-speed and more complex vehicle requirements require automatic assistance in the pilot's place.

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 technology is becoming continuously better and more complex.

Describing some of the history of inertial navigation, Dr. Draper explained that in the early days of aviation, the problems faced were of control, of keeping the correct direction, rather than of navigation and guidance. As aircraft became more complex, navigational problems were encountered and met by radio aids to navigation and by the other methods of celestial navigation.

Higher speeds and greater needs for independence of ground stations necessitated newer methods. Radio-astronomy with fixed stars is impractical for vehicles. It's useful in navigation, an artificial star. The use of a ground-based Transit System, which provide accurate reference signals to navigation and guidance.

Sir George Sugden, winner of the 1927 Smith Cup, is currently tied for the lead in the Smith Cup Tiddlywinks' round-the-corner tourna-

m
t. 

In Bicycle Accident

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

Dr. Draper explained that present models were suitable for use in military navigation and demonstrated a full-size model of the Pola-

rion 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 that inertial guidance with radio and radar in its future commercial air-

craft.

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