Transportation research undertaken

By Mark Bolstein

MIT's Project Transport has received a $520,000 contract from the US Department of Commerce for research in several areas vital to development of a high-speed ground transportation system. The contract is part of the three-year $90,000,000 High Speed Ground Transportation Research and Development Program approved by Congress.

This research will include studies in the areas of propulsion, aerodynamics, system scheduling, vehicle/guideway interactions, fluid and mechanical suspensions, guidance, automatic control, snowplow problems, and tunnel building. Application of this research will be of particular importance to the proposed high-speed transportation system for the Boston-Washington Northeast Corridor.

Under the contract, some 15 different groups of faculty and research workers from the Departments of Civil, Electrical, and Mechanical Engineering will carry out studies in high-speed ground transportation.

Theory of propulsion

The studies in propulsion will include experiments to verify the fundamental theory of propulsion required for any vehicle operating at constant speed. Aerodynamic theory states that there is a minimum propulsive force necessary to maintain a given mass at a given constant speed and that this force is independent of the type of vehicle, guideway, or propulsion system. Project Transport seeks to determine if this law applies to vehicles operating on or under the surface of the earth at extremely high speeds.

Another problem being undertaken by Project Transport is a study of how to control groups of vehicles moving at high speed.

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Mechanical Engineering will carry out studies in high-speed ground transportation.

Talking Rock

By Don Davis

Jack Ely's instrumental, 'Da-vid's Mood,' which is receiving a good deal of airplay in Boston although it has not cracked the charts here in anywhere else yet, has possibilities of becoming the biggest instrumental hit since the 'Three Stooges' No Matter What Shave. Primarily an organ solo, it is much in the style of Dave 'Baby' Cortez, who hit number four in 1959 with 'Happy Organ.'

Started with Kingsmen

Ely got his start with the Kingsmen in 1963 with 'Lonely Lovers,' but soon dropped out of the group. He then formed a group of his own, which he called Jack Ely and the Kingsmen. Although this group didn't cut any records, they did well on tour, taking out many colleges in the time of 1962. The Kingsmen which MIT had last spring were the real Kingsmen, featuring Lynn Easton, who had sung the lead on 'Lonely Lovers.' It was these Kingsmen, without Ely, who recorded 'Money,' 'Tally Green Giant,' and 'Annie Flower.'

The Kingsmen, not liking to have people mistake an inferior group for them, appealed and won. Ely's group could no longer identify with 'Lonely Lovers' or with the Kingsmen, which he called Jack Ely, formerly of the Kingsmen. However, Kingsmen, not liking to have people mistake an inferior group for them, appealed and won. Ely's group could no longer identify with 'Lonely Lovers' or with the Kingsmen, which he called Jack Ely, formerly of the Kingsmen. However, Kingsmen, not liking to have people mistake an inferior group for them, appealed and won.

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