Magnets Suspend Objects in Mid-Air

When it starts to fall due to gravity or when it starts to be attracted toward one of the magnets, the optical systems feed signals to the magnets that bring about an instantaneous compensation in field strength. The result: Equilibrium.

But there's one Telstar reflection you might have overlooked - a matter of balance.

The suspension technique long has been a dream of wind tunnel operators. In the past, models have always required a physical structural support to hold them up during wind testing. At low subsonic speeds the support causes little trouble. The models behave in the wind tunnel the same way the later full-scale prototypes behave in free flight.

But at supersonic wind speeds and the corresponding high-altitude pressures, it's a different story. A rigid support - which usually is attached at the rear of the model - sets up air movement which obscures and distorts what would be the true behavior of the test shape if it were in free flight.

Magnetic suspension of models has already been used to confirm earlier theoretical thinking that a supersonic vehicle whose body tapers to a point at the aft end incurs less drag than a body with a blunt aft end.

Reflections of Telstar

Remember the picture above? It flashed across your television screen on a hot night last July. Perhaps you remember that it originated from France. And that it reached the U.S. via Telstar, the world's first private atmospheric communications satellite.

Since that summer night, the Bell System's Telstar has relayed electronic signals of many types - television broadcasts, telephone calls, news photographs, and efforts.

But there's one Telstar reflection you might have missed. Look into the faces of the Bell System people below and you'll see it. It is the reflection of Telstar's success that glowed brightly on the faces of all who shared in the project.

Their engineering, administrative and operations skills created Telstar and are bringing its benefits down out of the clouds to your living room.

These Bell System people, through their talented, dedicated efforts, make your phone service still better, more economical, and more useful.

The reflections of Telstar are many.

Bell Telephone Companies

Power-Knit

Only Jockey T-shirts are Power-Knit to keep their fit

The Jockey Power-Knit T-shirt is non-tailored ... from the exclusive nylon-mixed Spandrel collar that stays snug and smooth ... to the extra-long tail that stays tucked in. It's Power-Knit with extra top-grade combed cotton yarn to take the roughest kind of wear a man can give it ... and still not bag, sag or stretch out of shape. It's a Jockey ... the man's T-shirt .. Power-Knit to keep its fit.

$1.50

Invisible Nylon Reinforcement

The Jockey Power-Knit is man-tailored ... from the exclusive nylon-mixed Spandrel collar that stays snug and smooth ... to the extra-long tail that stays tucked in. It's exclusive nylon invisible reinforcement. The Jockey Power-Knit.

To the extra-long tail that stays tucked in. It's exclusive nylon invisible reinforcement. The Jockey Power-Knit.

Looking Back...

Fifty Years Ago

Owing to an unavoidable delay in the allocation of the Union Dining Room, it will probably be necessary to put students on the waiting list at the Cambridge Electric Light and Power Company, whose power plant will be used exclusively for heating purposes. In addition to the present power load, the new wind tunnel and the powerful magnet developed by Dr. Francis Bitter at the Massachusetts Institute of Technology will have to take into consideration the demands for power in the proximity of Cambridge.

Twenty-Five Years Ago

Late this year the Institute will begin buying all its electric power from the Cambridge Electric Light & Power Company, a division of the Boston Electric Company. In the past the Institute has purchased its electric power from the Cambridge Electric Light & Power Company.

The University Senate recently passed a resolution in the interests of the Institute. A resolution passed by the Senate will be close to 900 this year.

The unusually large number of applications was due to the fact that the number of students who have dropped out after acceptance has been higher than usual.

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