

New Air Tunnel Tests Missiles At High Speeds

Buffalo, N. Y. — (Science Service) — Missile and aircraft models may be tested at air speeds up to 14,000 miles per hour in a new hypersonic shock tunnel now in operation here.

Hypersonic speeds are those five times faster than sound or greater. During test runs in the new tunnel, a missile or airplane model can be subjected to airflow velocities ranging from 6 to 16 times the speed of sound.

Hypersonic Airflow

Built here by Cornell Aeronautical Laboratory, Inc., the tunnel's outstanding feature is its ability to maintain such hypersonic airflow at constant speed for sufficient time to permit precise aerodynamic measurements of model performance.

A hypersonic shock tunnel basically consists of a shock tube connected with a nozzle and test section. During operation, the shock tube produces a supply of high-temperature, high-pressure air that is accelerated to hypersonic speeds when it flows through the nozzle into the test section. The model being studied is mounted in the test section.

Resembles Cannon

The tunnel resembles an extremely long cannon, about equal to one-third the length of a football field. Its shock tube measures 90 feet in length and is about one foot in diameter. The nozzle and test section extend some 20 feet beyond the shock tube.

Ohio Law Helps Cleveland Attorney

Columbus, O. — It's against Ohio law to delay a lawyer who is on his way to court, and costs the offender \$100.

A Cleveland attorney was speeding along the highway recently on his way to a hearing in Columbus, when he was stopped by a policeman.

He told the officer about the law and was sent on his way with an apology.

The Medical Roundup

by *Walter Alvarez*
Emeritus Consultant in Medicine, Mayo Clinic
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Sudden Death in Infants and Small Children

There are few tragedies so distressing to parents as the sudden death of an infant — especially when the mother gets to wondering if possibly, during the night, the child could have been smothered by her having rolled over on him.



DR. ALVAREZ

Such thoughts are devastating to the unhappy mothers who continue to blame themselves for the rest of their days. In recent years many studies by pathologists who have examined the little body shortly after death have shown that usually the mother's self-accusations were quite unjustified. In many cases the child had a very acute pneumonia, a very acute meningitis or an acute inflammation of the inner lining of the heart which killed over night. In a recent article, Dr. Louis Goodman of Pittsburgh reported that in 84 per cent of a series of 19 infants and children who had died suddenly, autopsy showed a peculiar condition inside the heart, which he felt could explain the death of the child. It is called Endomyocardial Fibroelastosis.

Trichomonas Vaginitis

Because vaginitis, or inflammation of the vagina, due to a tiny single-celled organism called a trichomonas is one of the commonest causes of leucorrhoea, many women ask what can be done for it. Many say that they have been to gynecologists, but have not gotten permanent relief. Often I fear the reason why the woman did not get well or stay well with treatment was that the doctor did not take enough time to explain that she might be getting re-infected from her husband. The husband might have to be well treated at the same time that she was being treated. As Dr. Edward G. Maeder

of Minneapolis, recently said, in many cases the best treatment for the woman would be the circumcision of her husband. Failing that, he might wash himself thoroughly with soap every morning. Treatment of the man would be more difficult if the little organism had gotten to living in his prostate gland. I have seen cases in which it was very hard to cure the woman of her vaginitis because the little organism had gotten up into her bladder and was living there. Obviously, it was useless to clear it out of her vagina without, at the same time, clearing it out of her bladder. In some cases it may perhaps get into the glands in the neck of the womb or around the outlet of the vagina.

Fortunately, in the cases of many women, the little organism does not cause much distress. Perhaps eventually it dies out, or it dies out after a little treatment. It is only in some cases that the disease becomes a curse which is hard to get rid of, and makes the woman very miserable. Sometimes her vagina becomes so sensitive that she cannot stand intercourse.

I cannot, in this column, give any instruction for treatment, or recommend any of the several drugs that are commonly used today, because obviously different women have to be treated differently. What is needed is treatment by a physician who will take the time to face and tackle the several difficulties that may lie in the way of working a complete cure. He must early face the possibility that her trouble is not that he does not cure her, but that every so often she gets re-infected.

EARLY MARRIAGES OUT

Denver — (UPI) — Confirmed bachelor Joseph A. Griffith told newsmen Tuesday if he ever gets married it probably won't be until he's 100. Griffith was celebrating his 99th birthday.

MAIL TRIBUNE, Medford, Or. Thursday, Jan. 7, 1960

More Americans Taking Hospital Insurance

New York — (Science Service) — The number of Americans who subscribe to hospital insurance has almost doubled in the past 10 years.

Health Insurance Institute figures show that at the beginning of 1950, some 66 million persons were covered by this insurance. The number grew to 123 million by the close of 1958. A preliminary sampling indicates that the 1959 year-end coverage figures, when final, will exceed 125 million.

Progress in 50s

Progress during the 50s also marked the other major types of health insurance — surgical expense insurance, regular medical insurance, loss of income, and major medical expense insurance.

From the beginning of 1950 to the end of 1958, the number of persons with surgical insurance rose from 41 million to 111 million while the climb was from 17 million to 75 million in regular medical insurance, which pays for doctor visits for non-surgical care.

Number Rises

In little more than 10 years, the number of subscribers to major medical insurance rose to 17 million. This insurance provides benefits from \$5,000 to \$15,000 to help absorb the cost of serious illness.

Senior citizens are getting a break in the form of various methods by which insurance companies can provide protection for those more than 65 years old.

Warning Flare Sets Truck Afire

Albany, Ga. — When Norman Tilton's truck broke down he placed a warning flare and went for help.

He returned to find the truck a charred ruin. Sheriff's deputies said a passing vehicle knocked the flare under the hay-laden truck.

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