



# Japan Screen Topics

ISSUE No. 75-10

## SPACE SHOT

91 feet 2 min. 32 sec.

### 1. LONG SHOT OHSAKI (3 feet - 51 feet)

Japan takes another step into space, with the successful launching of her first engineering test satellite (ETS-1) from the Tanegashima Space Center off the southernmost tip of Kagoshima.

After final tests, the four million dollar satellite is attached to a three-stage rocket for the ride into outer space.

These solar batteries turn the sun's rays into electricity so the satellite can radio back data.

Missions of the satellite include measurement of environmental conditions of the satellite during the launching stage and during the orbital flight.

As blastoff time nears, the mobile service tower is moved away from the 101 foot (32.6 meter) launch rocket.

And the Tsukuba Space Center, north of Tokyo, stands by ... ready to receive telemetry data from the satellite through the agency's tracking and control stations and transmit commands to the spacecraft.

### 2. LONG SHOT OF ROCKET (51 - 91)

Count-down for the firing of the rocket, the first to be developed by the National Space Development Agency, enters its final seconds.

The liquid oxygen engines of the 10 million dollar rocket's first stage ignite.

This actually is Japan's seventh successfully launched satellite. The previous six were small, experimental models built by Tokyo University's Institute of Space and Aeronautical Science.

The long range goal is to put Japanese satellites into a geo-stationary orbit for communications use.

22 minutes after launch, the 210 pound (82.5 kilogram) satellite was injected into orbit 1,000 kilometers above Johnston Island southwest of Hawaii. The spacecraft, named Kiku or Chrysanthemum, is circling the earth every 106 minutes.

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Japan lays the groundwork for a peaceful role in the age of space exploration and communication.

## PAPER FROM THE PAST

84 feet 2 min. 20 sec.

### 1. MUSEUM EXTERIOR (3 feet - 14 feet)

Japanese began making paper about 1,400 years ago. Their ways of using it differs from Western countries.

The long history of Japan's paper industry is preserved at the Paper Museum in Tokyo's Oji district -- the only institution of its kind in the world.

### 2. WOMEN (14 - 32)

Until about 100 years ago, paper-making in Japan was by hand -- a cottage industry carried on by traditional methods. This hand-made paper is called washi.

No paper pulp in the modern sense is used in making washi. The main raw material is bark of two Japanese trees, "Kozo" and "Mitsumata."

### 3. WASHI (32 - 54)

Here you see a variety of hand-made paper. And sliding doors --- with refinement and grace... known as shoji and fusuma.

### 4. TEXTILES (54 - 62)

Hand-made paper is strong and durable. From the 14th to 16th centuries, Japanese even used this paper as clothing. Shifu wear ... shown here... was summer clothing made from paper interwoven with silk threads. Kamiko... made of thick and strong paper kept one warm in winter as an inner garment.

5. PAPER PRODUCTS (62 - 84)

Various other paper products on display at the museum include paper kites... popular Japanese toys for centuries..., paper lanterns, and elaborate dolls dressed in paper clothing. Even paper umbrellas are provided and these are still in use today.

One use for paper in olden days was making models or replicas of things. This model of Kumamoto castle in Southern Japan is entirely a product of washi. Not a single piece of wood or nail was used in building it.

## FUN WITH FISH

69 feet 1 min. 34 sec.

### 1. LONG SHOT EXPO (3 feet - 17 feet)

Expo '75, the world's first international fair of the sea, is being held this year on Okinawa Island, 1,600 kilometers south of Tokyo.

Naturally, fish of all kinds have a big role.

Expo's Marine Life Zoo is the largest aquarium ever built in the world, and a popular attraction among the two million visitors who have seen the fair since it opened in July.

### 2. HOSTESS (FROM BACK) (17 - 38)

Expo's Coral Sea tank is for tropical fish... like these "group tourists" who seem to think there's safety in togetherness.

Temperature, salinity and light in the Coral Sea tanks simulate the tropical seas from which these fish came.

Mackerel and sea bream swim in another tank whose cold waters match the conditions in the Pacific Ocean's Black Current.

### 3. MECHANIMALS (38 - 48)

Here is a "mechanimal", a man-made fish designed to reproduce the movements of a stingray.

(Waddling Starfish) The waddling starfish is another member of this exhibit developed by Japan's Fuyo Group of Industries.

(Dashing Dolphin) The Dashing Dolphin... propelled by powerful back flippers.

(Porpoise) The porpoises' movements are imitated by another mechanimal in this popular Expo '75 show.



4. PORPOISE POOL (48 - 69)

As everybody knows, porpoises are among the world's smartest animals.

Their antics, including an undersea game of basketball... delight Expo '75 visitors of all ages.

(Music)

The climax of the show: Spectacular leaps above the surface by the porpoise performers. Then Expo's vaudeville stars can relax after a hard day's work.

## SPORTS DAY

71 feet 1 min. 58 sec.

### 1. SHO GAKKO (3 feet - 19 feet)

Sports Day, a National Holiday in October, is the signal for a day of fun at the nation's primary schools.

At Fuchu in the suburbs of Tokyo, the day begins with a round of calisthenics.

(Boys on shoulders) Then a knightly combat for boys... the object of the game is to snatch the other fellow's cap away.

### 2. STARTING GUN (19 - 37)

There are races of all kinds for children, and everybody including girls takes part.

(Balls) Another form of race is a relay in which the children roll these oversized balls.

(Tug) Second graders in a fierce tug of war... with their mothers.

### 3. FEET (37 - 63)

Sports day is for grownups too. Many companies organize outdoor sports parties for their employes at parks. Games like this centipede race break down social stiffness and get everybody laughing.

(Barrel) Barrel rolling races with Japan's irregularly shaped pickle barrels take more luck than skill, and add more laughs to the day.

### 4. CROWD (63 - 71)

Japan's version of the Mexican pinata. The balls break down the paper containers and decorations fall out.

Japan relaxes in fine autumn weather on her sports day holiday.