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## Japan Screen Topics

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### ANIMAL CENSUS

131 feet 3 min 41sec

1. (INTRODUCTION, FOREST, ANIMALS) Japan is a densely-populated country, and the onset of civilization has put Nature on the run... Animals in the wild are running for cover, too...in a shrinking natural habitat.
2. (DEER STILL, RESEARCHERS) The Japanese people are concerned about the nation's wildlife. And a large-scale wild animal census is being taken in Japan...initiated 3 years ago. Not only trained scientists are participating in the head-count ..... Concerned individuals are calling in information, too. In this way, the necessary statistics come in to the research center from all over Japan.
3. (MAP) Here at the Japan Wildlife Research Center, the figures have all been put together in a series of maps ..... that show which animal lives where ... how many of them there are ... what kind of food they eat.
4. (MONKEYS, RESEARCHERS) Native Japanese monkeys are being studied by these scientists in Chiba Prefecture. Monkeys abound in the snowy mountain areas ... travelling in packs of hundreds at a time.  
The size and weight of the monkey is checked ... and their state of health recorded.

5. (NECKRING ON MONKEY) A neckring---equipped with a tracking device...is put on several monkeys who are then released...For months and even years, the researchers can monitor the extent of the monkeys' migrations.

6. (MONKEY, MAN) Through painstaking study, a wealth of findings has been made...on the life and movements of monkeys.

All this...as part of an on-going effort to preserve...and protect Japan's wildlife heritage...for the benefit of future generations.

#### MAN-MADE DIAMONDS

76 feet 2 min 9 sec

1. (DIAMOND RING) It used to be that diamonds...courtesy of Mother Nature...could be had but only for a steep price.

2. (BRINDING WHEEL) Besides being beautiful...diamonds have long been valued for their extreme hardness. And for this reason, they have many practical applications....as precision cutting and grinding tools, for example.

3. (TSUKUBA LABORATORY) Here at Tsukuba Science City...north of Tokyo...the study and manufacture of man-made diamonds is going forward.

4. (CARBON CYLINDER, SCIENTIFIC APPARATUS) Carbon...the raw material of which diamonds are made. In nature...underneath the earth...making a diamond can take millions of years of the right kind of temperature and most of all...pressure.

But put into this ultra high pressure machine...the strongest of its kind in the world...a humble piece of carbon emerges a diamond 60,000 kilobars of pressure...exerted at the right temperature and speed.

5. (MULTI-COLORED DIAMONDS, LABORATORY) The color of manmade... as well as natural --- diamonds varies widely ... depending on the carbon content and degree of light refraction. This lab produced the largest man-made diamond ever --- ... about the size of 2 chicken eggs!

6. (MAN-MADE DIAMOND) While manmade diamonds may not be right for a lady's hand ... at around less than \$20 (4,000 yen) for a small stone, the price is right for industrial use.

#### ASAHIKAWA WOODCARVING

78 feet 2 min 12 sec

1. (INTRODUCTION, WOODCARVINGS, SHOP) On Japan's northern island of Hokkaido ... in Asahikawa city ... the center of Ainu aboriginal culture, a time-honored artistic tradition is carried on ... wood-carving.

It's here that pieces of wood are transformed into figurines of bears and other traditional symbols of Ainu culture.

2. (WOODCARVER AT WORK, BEAR) Kazuya Kawakami ... 31 year old ... a well-known artisan in Asahikawa. ...He has practiced this craft for 12 years.

While most of the other woodcarvers in the area have their workshops in town ... Kazuya prefers to work quietly in his studio up in the mountains.

Every year a woodcarving contest is held in Asahikawa ... and this year Kazuya's elder brother Satoru... won first prize.

3. (TWO MEN, CARVING, BAS-RELIEF) Satoru Kawakami is a woodcarver, too. And though he does his work in the city ... he often goes up the mountain to see his younger brother.

They talk over the many techniques of woodcarving and give each other advice. Both brothers are known in the region for their superior expertise.



Every fall in Tokyo, the largest handicrafts exhibition in the country takes place...and this year Satoru Kawakami plans to enter his work in the competition, for the first time.

This contest serves to spark interest among young craftsmen... for perhaps the biggest challenge facing artisans is to attract young people to devote themselves to the craft...to keep the old traditions alive.

PHOTOGRAPHY WITHOUT FILM

59 feet 1 min 41 sec

1. (INTRODUCTION, CASSETTE, CAMERA) There's a new kind of photography being pioneered in Japan today --- photography without film. It's called Mavica, short for "magnetic video camera."

2. (CASSETTE, CAMERA) It's a revolutionary new system of producing still pictures...with videocassettes instead of film. A cassette is slipped into what looks just like a regular camera. You can take 50 still shots with a single cassette.

3. (MODEL, TAPEDECK, VIEWER) The subject poses,...and immediately, the picture is ready for processing. You pop the cassette into the videotape deck...and the picture you just took appears on the TV monitor on viewer screen.

At this stage, the photographer can adjust the color balance and tone of the picture. Now you're all set to make the finished print...using a printer.

4. (CAMERA, PRINT, PRINTER) The Mavica system does away with the bother of darkroom work...and instead, images are magnetically recorded. And unlike exposed film, the videocassettes can be used over and over again.

Just as movies are being made more and more on videotape, still photography has broken through the film barrier...and is being produced on magnetic videocassettes like these.

The Mavica system...pioneered in Japan...should go on the market sometime next year.