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COMMITTEE ON THE PEACEFUL USES OF
OUTER SPACE

INFORMATION FURNISHED IN CONFORMITY WITH GENERAL ASSEMBLY
RESOLUTION 1721 B (XVI) BY STATES LAUNCHING OBJECTS INTO
ORBIT OR BEYOND

Note verbale dated 2 August 1978 from the Permanent Representative
of Japan to the United Nations addressed to the Secretary-General

The Permanent Representative of Japan to the United Nations presents his compliments to the Secretary-General of the United Nations and, in conformity with General Assembly resolution 1721 B (XVI), has the honour to transmit herewith information concerning a space object which was launched into earth orbit by Japan on 7 April 1978 with the co-operation of the National Aeronautics and Space Administration of the United States of America.

1. Name of satellite: Medium-scale broadcasting satellite for experimental purposes (BSE) "Yuri"
2. International designation: 1978-039A
3. Launching vehicle: Delta launch vehicle 2914-140
4. Date and place of launch:
 - (1) Date: 22:01 (GMT), 7 April 1978
 - (2) Place: Eastern Test Range, Cape Canaveral, Florida, United States of America
5. Launch organization: National Space Development Agency of Japan (NASDA)
National Aeronautics and Space Administration of the United States of America (NASA)

Note: NASA furnished spacecraft launching and associated services to NASDA at the request of NASDA on a reimbursable basis. NASDA injected BSE into the geostationary orbit.

6. Basic orbital parameters:

- (1) Apogee: 35,786 km
- (2) Perigee: 35,785 km
- (3) Inclination: 0.08°
- (4) Period: 1,436 minutes
- (5) Location: 110° E
- (6) Frequency:
 - (a) Tracking, Telemetry and Command (TT and C): 2 GHz band
 - (b) Broadcasting Satellite Service: 14 / 12 GHz bands (2 ch)

7. General function:

- (1) Test on the characteristics of television signals transmission;
- (2) Measurement of the rainfall effect on the 12 GHz radio wave propagation;
- (3) Evaluation of the performance of the on-board equipment and ground terminals;
- (4) Experiments on the frequency sharing with the terrestrial communication systems;
- (5) Acquisition of the satellite control technologies;
- (6) Experiments on the satellite-broadcasting operation;
- (7) Assessment of television signals reception quality.

8. Characteristics of satellite:

- (1) Weight: Approximately 355 kg in an early stage in orbit
- (2) Physical configuration and dimensions:
 - (a) Configuration: Box-shaped satellite with 2 solar array paddles with over-all span of 8.95 m
 - (b) Height: 3.09 m
 - (c) Width: 1.32 m
 - (d) Length: 1.19 m
- (3) Attitude control subsystem: 3-axis stabilization

9. Expected life: 3 years
