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 1 May 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 geostationary orbit
by Japan on 15 December 1977 with the co-operation of the National Aeronautics and
Space Administration of the United States of America.
1. Name of satellite: Medium-capacity Communications Satellite for Experimental Purposes (CS)
   (Japanese name: Sakura)

2. International designation: 1977-118A

3. Launching vehicle: Delta Launch Vehicle 2914-137

4. Date and place of launch:
   (1) Date: 00:47 (u.t.), 15 December 1977
   (2) Place: Eastern Test Range, Cape Canaveral, Florida, the United States of America

5. Launching organization: National Space Development Agency of Japan (NASDA)
   National Aeronautics and Space Administration of the U.S.A. (NASA)

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

6. Orbital parameters:
   (a) Period: 1436 minutes (i.e. 23 hours and 56 minutes)
   (b) Inclination: 0.11°
   (c) Perigee: 35,783 Km
   (d) Apogee: 35,790 Km
   (e) Geographical longitude on geostationary orbit: 135° E

7. General function:

   CS is a spin-stabilized geostationary communications satellite. The satellite is equipped with basic systems such as TT and C system (2 GHz band and 6/4 GHz band), electric power supply system and so on, and mission equipment such as two transponders of 6/4 GHz band, six of 30/20 GHz band and so on. Following experiments are to be carried out.

(1) Measurement of on-board mission equipment characteristics

(2) Measurement and evaluation of propagation characteristics, especially, in quasi-millimetric waves

(3) Experiments on signal transmission through satellite communication system
(4) Experiments on satellite communication system operation

(5) Experiments on satellite operation and control

8. Characteristics of satellite:

(1) Weight: approximately 340 kg (at an early stage in orbit)

(2) Physical configuration and dimensions:
   (a) Configuration: Cylindrical satellite
   (b) Height: 3.48 m
   (c) Diameter: 2.18 m

(3) Attitude control subsystem: Spin stabilization

(4) Expected life: More than three years