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COMMITTEE ON THE PEACEFUL USES
OF OUTER SPACE

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

Letter dated 3 April 1962 from the Permanent Representative
of the United States of America addressed to the Acting
Secretary-General

In accordance with the provisions of paragraphs 1 and 2 of General Assembly resolution 1721 B (XVI), I enclose registration data concerning objects launched into sustained orbit or beyond by the United States. Consistent with my Government's plan to submit such reports on a bi-weekly basis, as stated in my letter of 5 March, the attached information is presented in two parts.

With these additions and deletions to the record and corrections of inadvertent omissions in our previous report, you will have received for the Committee on the Peaceful Uses of Outer Space and for the Public Registry a full registry of all United States space vehicles and associated objects in sustained orbit or space transit as of 13 March 1962.

An additional report on the orbital flight of Colonel John Glenn is also submitted herewith in view of the scientific importance of, and the world-wide interest in, this particular flight.

Accept, etc.

(Signed) Adlai E. STEVENSON

REGISTRATION DATA FOR US SPACE LAUNCHES

The following report supplements, as of 1200Z February 27, 1962 the registration data for US space launches submitted as of February 15, 1962

| International Designation | Launch Vehicle | Satellite Category | Date of Launch | Nodal Period | Inclination | Apogee | Perigee |
|---------------------------|----------------|--------------------|----------------|--------------|-------------|--------|---------|
| 1962 Delta 1 | Thor-Agena | A | 21 Feb. 62 | 89.7 | 81.97 | 374.4 | 167.7 |
| 1962 Epsilon 1 | Thor-Agena | A | 27 Feb. 62 | 90.4 | 82.23 | 608.7 | 333.9 |
| 1962 Epsilon 2 | Thor-Agena | D | 27 Feb. 62 | 90.4 | 82.23 | 608.7 | 333.9 |
| 1962 Epsilon 3 | Thor-Agena | D | 27 Feb. 62 | 90.4 | 82.23 | 608.7 | 333.9 |
| 1962 Epsilon 4 | Thor-Agena | D | 27 Feb. 62 | 90.4 | 82.23 | 608.7 | 333.9 |

NOTE: The following revisions should be made in the report of February 15, 1962:

ADD:

| | | | | | | | |
|------------------------|-------------|---|------------|-----------------------|-------|-------|-------|
| 1961 Alpha Lambda 1 | Atlas-Agena | D | 22 Dec. 61 | 94.5 | 89.59 | 750.9 | 233.5 |
| 1962 Alpha 2 | Atlas-Agena | D | 26 Jan. 62 | In heliocentric orbit | | | |

DELETE:

| | | | | | | | |
|--------------------|------------------------------------|---|---|---|---|---|---|
| 1961 Delta 4 | Decayed prior to February 15, 1962 | | | | | | |
| 1961 Alpha Kappa 2 | " | " | " | " | " | " | " |

REGISTRATION DATA FOR US SPACE LAUNCHES

The following report supplements, as of 1200Z March 13, 1962, the registration data for US space launches submitted as of February 27, 1962

| International Designation | Launch Vehicle | Satellite Category | Date of Launch | Nodal Period (Minutes) | Inclination (Degrees) | Apogee (Kilometers) | Perigee (Kilometers) |
|---------------------------|----------------|--------------------|----------------|------------------------|-----------------------|---------------------|----------------------|
| 1962 Zeta 1 | Atlas | B | 7 Mar 62 | 95.8 | 32.92 | 577 | 557 |
| 1962 Zeta 2 | Atlas | D | 7 Mar 62 | 96.0 | 32.92 | 583 | 557 |
| 1962 Eta 1 | Atlas-Agena | A | 7 Mar 62 | 93.9 | 90.93 | 688 | 236 |
| 1962 Eta 2 | Atlas-Agena | D | 7 Mar 62 | 90.3 | 90.85 | 350 | 226 |
| 1962 Eta 3 | Atlas-Agena | D | 7 Mar 62 | 93.9 | 90.85 | 683 | 245 |

The following objects were no longer in orbit as of 1200Z March 13, 1962:

| | | |
|--------------------|------------|----------|
| 1961 Alpha Kappa 1 | Decayed on | 8 Mar 62 |
| 1962 Delta 1 | " " | 9 Mar 62 |
| 1962 Epsilon 2 | " " | 3 Mar 62 |
| 1962 Epsilon 3 | " " | 3 Mar 62 |
| 1962 Epsilon 4 | " " | 7 Mar 62 |

Report on the Orbital Flight of Colonel Glenn

On 20 February 1962, John Glenn was launched into earth orbit by an Atlas booster on top of which was the Mercury spacecraft. The flight conditions attained were as follows:

1. Perigee altitude - 86.7 nautical miles
2. Apogee altitude - 141 nautical miles
3. Velocity at injection - 25,709 ft per second
4. Orbital inclination - 32.54 degrees
5. Orbital period - 88 minutes 29 seconds.

After four hours and 45 minutes the spacecraft re-entered the atmosphere and landed at 2:48 pm EST in the planned recovery area N.E. of the Island of Puerto Rico.

All flight objectives were achieved. Because of failure of one of the automatic systems, the astronaut took over manual control of the spacecraft during part of the flight. The astronaut's performance in flight agreed closely with that he had displayed during ground simulation training operations.

The weight of the spacecraft assembly at launch was slightly over two tons and the weight in orbit was slightly less than 5,000 lbs. Post flight examination of the spacecraft indicated that the re-entry had been in accordance with pre-flight calculations. Detailed examination of the spacecraft and its systems and engineering analysis of these results are presently underway.
