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COMMITTEE ON THE PEACEFUL USES
OF OUTER SPACE

INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION
ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Note verbale dated 19 December 1989 from the Permanent
Representative of the United States of America to the
United Nations addressed to the Secretary-General

The Permanent Representative of the United States of America to the United Nations presents his compliments to the Secretary-General of the United Nations and, in accordance with article IV of the 1975 Convention on Registration of Objects Launched into Outer Space, has the honour to transmit the registration data for the United States space launches for 1 January 1989 to 30 September 1989.

The following report supplements the registration data for the United States
space launches as of 31 January 1989

All launches were made from the territory of the United States unless otherwise specified

<u>International</u>	<u>Date of</u>	<u>Nodal</u>	<u>Inclina-</u>	<u>Apogee</u>	<u>Perigee</u>	<u>General function of space object</u>
<u>designation</u>	<u>launch</u>	<u>period</u>	<u>tion (deg)</u>	<u>(km)</u>	<u>(km)</u>	

The following objects were launched since the last report and remain in orbit:

None

The following objects not previously reported have been identified since the last report:

None

The following objects not previously reported have been identified since the last report but are no longer in orbit as of 2400Z on 31 January 1989:

None

The following objects achieved orbit since the last report, but are no longer in orbit as of 2400Z on 31 January 1989:

None

The following objects identified in a previous report are no longer in orbit as of 2400Z on 31 January 1989:

1961-0MI121
1965-082EW
1969-082AZ
1979-017AC
1979-017DY
1979-026HR
1979-017HQ
1979-017CU
1979-017HW
1979-017LV
1979-017JM

The following objects were launched since the previous report but did not achieve orbit:

None

The following report supplements the registration data for the United States
space launches as of 28 February 1989

All launches were made from the territory of the United States unless otherwise specified

<u>International designation</u>	<u>Date of launch</u>	<u>Nodal period</u>	<u>Inclination (deg)</u>	<u>Apogee (km)</u>	<u>Perigee (km)</u>	<u>General function of space object</u>
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The following objects were launched since the last report and remain in orbit:

1989-013A ✓	14 Feb. 89	715.0	55.1	20 350	19 868	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1989-013B ✓	14 Feb. 89	93.3	30.3	692	182	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1989-013C ✓	14 Feb. 89	354.1	37.3	20 244	156	Ditto

The following objects not previously reported have been identified since the last report:

1963-014EN ✓	09 May 63	164.6	87.7	5 708	1 416	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1963-014EP	09 May 63	164.6	86.1	5 531	1 612	Ditto
1965-048M	24 Jun. 65	105.6	90.0	1 052	992	Ditto

The following objects identified in a previous report are no longer in orbit as of 2400Z on 28 February 1989:

1966-056AF
1966-056CK
1970-025MM
1977-065FB
1977-065FU
1978-026CC
1984-113F

<u>International designation</u>	<u>Date of launch</u>	<u>Nodal period</u>	<u>Inclination (deg)</u>	<u>Apogee (km)</u>	<u>Perigee (km)</u>	<u>General function of space object</u>
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The following objects are no longer in orbit as of 2400Z on 28 February 1989:

1965-027X
1965-048G
1965-082AH
1965-082UM
1967-092F
1975-004EG
1978-026AG
1978-096E
1981-114B
1983-022H
1984-113FG
1988-006E

The following objects were launched since the previous report but did not achieve orbit:

None

The following report supplements the registration data for the United States
space launches as of 31 March 1989

All launches were made from the territory of the United States unless otherwise specified

<u>International designation</u>	<u>Date of launch</u>	<u>Nodal period</u>	<u>Inclination (deg)</u>	<u>Apogee (km)</u>	<u>Perigee (km)</u>	<u>General function of space object</u>
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The following objects were launched since the last report and remain in orbit:

1989-026A	24 Mar. 89	94.5	47.7	503	483	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1989-21B	13 Mar. 89	1 433.5	0.2	35 825	35 645	Ditto
1989-21C	13 Mar. 89	632.7	26.3	35 788	279	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects

The following objects not previously reported have been identified since the last report:

1963-014EQ	09 May 63	164.3	86.0	5 562	1 556	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1963-014ER	09 May 63	164.7	86.2	5 470	1 676	Ditto
1963-014ES	09 May 63	164.6	86.2	5 517	1 627	Ditto
1963-014ET	09 May 63	164.7	86.5	5 212	1 938	Ditto
1976-77FL	29 Jul. 76	127.4	102.6	2 537	1 478	Ditto

The following objects not previously reported have been identified since the last report but are no longer in orbit as of 2400Z on 31 March 1989:

None

The following objects achieved orbit since the last report, but are no longer in orbit as of 2400Z on 31 March 1989:

1989-21A	13 Mar. 89	91.0	28.5	337	305	Reusable space transportation systems
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<u>International designation</u>	<u>Date of launch</u>	<u>Nodal period</u>	<u>Inclination (deg)</u>	<u>Apogee (km)</u>	<u>Perigee (km)</u>	<u>General function of space object</u>
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The following objects identified in a previous report are no longer in orbit as of 2400Z on 31 March 1989:

1961-NU2
1972-58AX
1974-89EY
1977-65CR
1977-65DH
1978-26AG
1978-26AH
1978-26CX
1978-96E

The following objects were launched since the previous report but did not achieve orbit:

None

The following objects are no longer in orbit as of 2400Z on 31 March 1989:

1961-OMI104
1965-038E
1065-048H
1965-082BJ
1969-082KM
1983-051D
1983-051E
1988-052B
1989-013B

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The following report supplements the registration data for the United States
space launches as of 30 April 1989

All launches were made from the territory of the United States unless otherwise specified

<u>International designation</u>	<u>Date of launch</u>	<u>Nodal period</u>	<u>Inclination (deg)</u>	<u>Apogee (km)</u>	<u>Perigee (km)</u>	<u>General function of space object</u>
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The following objects were launched since the last report and remain in orbit:

None

The following objects not previously reported have been identified since the last report:

1963-014EU	09 May 63	165.2	86.5	5 174	2 015	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1965-027AY	03 Apr. 65	111.4	90.3	1 316	1 263	Ditto
1965-027AZ	03 Apr. 65	111.1	90.3	1 298	1 254	Ditto

The following objects not previously reported have been identified since the last report but are no longer in orbit as of 2400Z on 30 April 1989:

None

The following objects achieved orbit since the last report, but are no longer in orbit as of 2400Z on 30 April 1989:

None

The following objects identified in a previous report are no longer in orbit as of 2400Z on 30 April 1989:

None

The following objects were launched since the previous report but did not achieve orbit:

None

<u>International designation</u>	<u>Date of launch</u>	<u>Nodal period</u>	<u>Inclination (deg)</u>	<u>Apogee (km)</u>	<u>Perigee (km)</u>	<u>General function of space object</u>
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The following objects are no longer in orbit as of 2400Z on 30 April 1989:

1963-014EF
 1965-082KG
 1969-082KP
 1979-017LQ
 1979-017LZ
 1979-017FL
 1979-017LL
 1979-017JX
 1979-017LU
 1984-011Y

The following report supplements the registration data for the United States
space launches as of 31 May 1989

All launches were made from the territory of the United States unless otherwise specified

<u>International designation</u>	<u>Date of launch</u>	<u>Nodal period</u>	<u>Inclination (deg)</u>	<u>Apogee (km)</u>	<u>Perigee (km)</u>	<u>General function of space object</u>
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The following objects were launched since the last report and remain in orbit:

1989-035A ✓	10 May 89	720.0	27.5	40 073	455	Spacecraft engaged in research and exploration of the upper atmosphere or outer space
1989-035B ✓	10 May 89	103.0	29.1	1 570	208	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1989-035C ✓	10 May 89	720.0	27.5	40 073	455	Ditto
1989-033B ✓	04 May 89	No current elements				Spacecraft engaged in research and exploration of the upper atmosphere or outer space
1989-033C ✓	04 May 89	448.6	28.0	25 769	298	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1989-33D ✓	No current elements					

The following objects not previously reported have been identified since the last report:

→ 1961-OMI297	29 Jun. 61	105.0	65.6	1 117	875	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
<i>should be re-launch 9.4.</i> 1962-BKAP8	26 Oct. 62	152.7	86.7	3 421	2 751	Ditto
1963-014EV	09 May 63	165.0	87.0	4 812	2 360	Ditto
1963-014EW	09 May 63	165.4	86.8	5 013	2 195	Ditto
1963-014EX	09 May 63	163.6	85.7	5 828	1 235	Ditto
1963-014EX	09 May 63	165.2	86.9	5 174	2 015	Ditto

<u>International designation</u>	<u>Date of launch</u>	<u>Nodal period</u>	<u>Inclination (deg)</u>	<u>Apogee (km)</u>	<u>Perigee (km)</u>	<u>General function of space object</u>
1963-014EY	09 May 63	165.4	86.9	4 962	2 246	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1963-014EZ	09 May 63	164.7	86.8	4 879	2 268	Ditto
1963-014FA	09 May 63	163.0	85.0	6 029	981	Ditto
1965-027AY	03 Apr. 65	111.4	90.3	1 316	1 263	Ditto
1965-027BA	03 Apr. 65	111.4	90.3	1 311	1 268	Ditto
1965-027BB	03 Apr. 65	111.4	90.3	1 311	1 270	Ditto
1965-027AZ	03 Apr. 65	111.6	90.3	1 298	1 254	Ditto
1967-092H	25 Sep. 67	105.3	89.2	1 037	977	Ditto
1976-077FM	29 Jul. 76	114.3	101.9	1 471	1 379	Ditto
1977-065GC	14 Jul. 77	104.3	28.9	1 442	477	Ditto
1978-026HQ	04 Mar. 78	103.1	99.0	1 061	750	Ditto
1978-026HR	04 Mar. 78	104.9	98.9	1 161	815	Ditto
1978-026HS	04 Mar. 78	101.5	98.6	891	764	Ditto

The following objects achieved orbit since the last report, but are no longer in orbit as of 2400Z on 30 May 1989:

1989-033A ✓	04 May 89	90.8	28.9	331	297	Reusable space transportation
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The following objects are no longer in orbit as of 2400Z on 31 May 1989:

1961-OMI135
 1961-OMI266
 1985-114A

The following objects were launched since the previous report but did not achieve orbit:

None

The following report supplements the registration data for the United States
space launches as of 30 June 1989

All launches were made from the territory of the United States unless otherwise specified

<u>International designation</u>	<u>Date of launch</u>	<u>Nodal period</u>	<u>Inclination (deg)</u>	<u>Apogee (km)</u>	<u>Perigee (km)</u>	<u>General function of space object</u>
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The following objects were launched since the last report and remain in orbit:

1989-044A ✓	10 Jun. 89	717.5	54.6	20 368	19 970	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1989-044B ✓	10 Jun. 89	91.9	30.3	560	172	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1989-044C ✓	10 Jun. 89	350.3	37.6	19 996	166	Ditto
1989-046A ✓	14 Jun. 89	1 421.8	3.1	35 614	35 699	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1989-046B ✓	14 Jun. 89	87.4	28.6	146	134	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1989-046C ✓	14 Jun. 89	142	27.4	35 352	171	Ditto
1989-046D ✓	14 Jun. 89	622.1	3.1	35 702	35 311	Ditto

The following objects not previously reported have been identified since the last report:

→ 1965-027BC	03 Apr. 65	111.2	90.3	1 304	1 260	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1967-001AR	11 Jan. 67	281.6	27.0	15 446	257	Ditto
PL ONL 1978-077FN	29 Jul. 78	119.3	102.6	1 822	1 493	Ditto
1976-077FP	29 Jul. 76	117.4	102.2	1 633	1 498	Ditto
1978-026HT	04 Mar. 78	101.0	98.1	881	722	Ditto

<u>International designation</u>	<u>Date of launch</u>	<u>Nodal period</u>	<u>Inclination (deg)</u>	<u>Apogee (km)</u>	<u>Perigee (km)</u>	<u>General function of space object</u>
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The following objects not previously reported have been identified since the last report but are no longer in orbit as of 2400Z on 30 June 1989:

None

The following objects identified in a previous report are no longer in orbit as of 2400Z on 30 June 1989:

1963-047C
1970-025NY
1972-058CV
1978-026CM

The following objects are no longer in orbit as of 2400Z on 30 June 1989:

1961-OMI286
1961-OMI288
1965-082JW
1975-004AK
1977-065FL
1978-016D
1978-042E
1979-017LC

The following objects were launched since the previous report but did not achieve orbit:

None

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The following report supplements the registration data for the United States space launches as of 31 July 1989

All launches were made from the territory of the United States unless otherwise specified

<u>International designation</u>	<u>Date of launch</u>	<u>Nodal period</u>	<u>Inclination (deg)</u>	<u>Apogee (km)</u>	<u>Perigee (km)</u>	<u>General function of space object</u>
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The following objects were launched since the last report and remain in orbit:

None

The following objects not previously reported have been identified since the last report:

1965-027BD	3 Apr. 65	111.3	90.3	1 320	1 251	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
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The following objects not previously reported have been identified since the last report, but are no longer in orbit as of 2400Z on 31 July 1989:

None

The following objects achieved orbit since the last report, but are no longer in orbit as of 2400Z on 31 July 1989:

None

The following objects are no longer in orbit as of 2400Z on 31 July 1989:

1969-082KY

The following objects were launched since the previous report but did not achieve orbit:

None

<u>International designation</u>	<u>Date of launch</u>	<u>Nodal period</u>	<u>Inclination (deg)</u>	<u>Apogee (km)</u>	<u>Perigee (km)</u>	<u>General function of space object</u>
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The following objects identified in a previous report are no longer in orbit as of 2400Z on 31 July 1989:

1959-IOTA2
1963-031B
1963-047J
1965-039B
1965-082KM
1965-082DQ
1966-005K
1969-082KE
1972-058V
1972-058EL
1974-089FB
1978-026AW
1978-026CN
1978-026HL
1975-004HG
1989-044B

The following report supplements the registration data for the United States
space launches as of 31 August 1989

All launches were made from the territory of the United States unless otherwise specified

<u>International designation</u>	<u>Date of launch</u>	<u>Nodal period</u>	<u>Inclination (deg)</u>	<u>Apogee (km)</u>	<u>Perigee (km)</u>	<u>General function of space object</u>
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The following objects were launched since the last report and remain in orbit:

1989-061B	08 Aug. 89	90.5	57.0	307	296	Spacecraft engaged in research and exploration of the upper atmosphere or outer space
1989-061C	08 Aug. 89	90.5	57.0	307	296	Ditto
1989-064A	18 Aug. 89	714.8	55.0	20 188	20 017	Ditto
1989-064B	18 Aug. 89	94.0	31.0	745	190	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1989-064C	18 Aug. 89	345.3	37.7	19 704	150	Ditto
1989-067B	27 Aug. 89	92.4	26.7	493	291	Ditto
1989-067C	27 Aug. 89	92.3	23.2	36 901	205	Ditto

The following objects not previously reported have been identified since the last report:

1963-030H	18 Jul. 63	163.9	88.2	5 970	1 118	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1961-OM1298	29 Jun. 61	109.4	67.1	1 594	802	Ditto

The following objects not previously reported have been identified since the last report, but are no longer in orbit as of 2400Z on 31 August 1989:

None

<u>International designation</u>	<u>Date of launch</u>	<u>Nodal period</u>	<u>Inclination (deg)</u>	<u>Apogee (km)</u>	<u>Perigee (km)</u>	<u>General function of space object</u>
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The following objects achieved orbit since the last report, but are no longer in orbit as of 2400Z on 31 August 1989:

1989-061A ✓	08 Aug. 89	90.7	57.0	316	311	Reusable space transportation systems
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The following objects identified in a previous report are no longer in orbit as of 2400Z on 31 August 1989:

1965-007A
1965-082Z
1970-025PK
1970-025PR
1972-058JJ
1975-004Q
1978-026BL
1978-026GZ
1979-017U
1979-017BZ
1979-017CB
1979-017DT
1979-017EW
1979-0017LM
1982-014B

The following objects were launched since the previous report but did not achieve orbit:

None

The following objects are no longer in orbit as of 2400Z on 31 August 1989:

1963-047J
1969-082KN
1974-089FB
1978-026DR
1978-026D
1982-082Z

The following report supplements the registration data for the United States
space launches as of 30 September 1989

All launches were made from the territory of the United States unless otherwise specified

<u>International</u> <u>designation</u>	<u>Date of</u> <u>launch</u>	<u>Nodal</u> <u>period</u>	<u>Inclina-</u> <u>tion (deg)</u>	<u>Apogee</u> <u>(km)</u>	<u>Perigee</u> <u>(km)</u>	<u>General function of space object</u>
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The following objects were launched since the last report and remain in orbit:

None

The following objects not previously reported have been identified since the last report:

None

The following objects not previously reported have been identified since the last report, but are no longer in orbit as of 2400Z on 30 September 1989:

None

The following objects achieved orbit since the last report, but are no longer in orbit as of 2400Z on 30 September 1989:

None

The following objects identified in a previous report are no longer in orbit as of 2400Z on 30 September 1989:

1972-058JA

1975-004FH

1977-065CX

The following objects were launched since the previous report but did not achieve orbit:

None

<u>International</u> <u>designation</u>	<u>Date of</u> <u>launch</u>	<u>Nodal</u> <u>period</u>	<u>Inclina-</u> <u>tion (deg)</u>	<u>Apogee</u> <u>(km)</u>	<u>Perigee</u> <u>(km)</u>	<u>General function of space object</u>
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The following objects are no longer in orbit as of 2400Z on 30 September 1989:

1965-082UK
1965-082Z
1969-082FAK
1969-082DB
1969-082FJ
1969-082KN
1969-082KZ
1971-012D
1982-014B
1989-064B