

Appendix A-III

N A S A P E R S O N N E L D A T A

NASA's predecessor agency, the National Advisory Committee on Aeronautics, employed about 8000 persons when it was dis-established on September 30, 1958. On October 1, 1958, these 8000 individuals became employees of the National Aeronautics and Space Administration. NACA's annual budget at the time was about \$100 million. In 1967 NASA's employment figure peaked at about 36,000, an increase of 450%. NASA's annual expenditures exceeded \$5 billion, an increase of 5000 percent over the figures for NACA.

This 10 to 1 disparity in the increase in money compared to civil servants is a good indicator of the fact that NACA carried out most of its activities in its own installations with its own personnel (i.e., in-house), whereas only about 10 percent of NASA's activity is performed "in-house", the major share of it being carried out by contractors and thus done "out-of-house".

This in-house/out-of-house factor greatly complicates any attempt to depict NASA's manpower patterns. It is relatively easy to tabulate the number of in-house positions and the number of persons filling them. It is much more difficult to find out how many and what kinds of persons are working on NASA's program via contract. Requirements of public law guaranteed that accurate data on in-house personnel be reported. Data on contractor personnel had to await the development of some type of reporting system. One result of this situation is that the data in this chapter focuses primarily on in-house personnel rather than the much larger number of persons "employed" by NASA through its contractors.

The Tables that follow can be divided into four groupings. Tables A-III-1 through A-III-7 consist primarily of data in the form of head-counts of in-house personnel for the agency as a whole. Tables A-III-8 through A-III-23 present much of the same data broken out by installation. Tables A-III-24 and A-III-25 focus on the number of positions provided for in NASA's annual budget and show a distribution of these positions by major program area. Finally Tables A-III-26 and A-III-27 give some overall dimensions to the number of contractor employees.

The principal cautionary point that should be kept in mind when using the data that follows is that people are not as neatly categorized as the tables might imply. Thus the terms

used must be defined and the categories explained. A word must also be said about the principal sources of the data presented.

SOURCES OF DATA

1. NASA Quarterly Personnel Statistical Report (QPSR). This report was discontinued 12/31/66. Primarily a head count of NASA employees with information for each reporting installation on such things as type of appointment, occupational code groupings, grade, accessions, separations and so forth.

2. NASA Personnel Management Information System (PMIS). A computerized successor to the Quarterly Personnel Statistical Report generates data in a variety of formats and includes a larger number of variables than the QPSR.

3. NASA Manpower Information Digest. Issued every January since 1965. Summarizes the data available on NASA's out-of-house or contractor manpower. Prepared by the Management Information Systems Division of NASA Headquarters.

4. The Resources Analysis Division of NASA Headquarters supplied data on the distribution of personnel positions by major program area. The Manpower Utilization Report prepared by the Financial Management Division of NASA Headquarters presents data on man-months of effort and obligations related thereto, but at a level of detail beyond the scope of this chapter.

DEFINITIONS OF TERMS

Many of the terms used in the tables that follow are defined in NASA Management Instruction 3291, Subject: Personnel Definitions and Reporting Requirements. All of the quotations that follow are from this Instruction.

1. Permanent Employees. ". . . all employees whose appointments are not time limited or . . . are for a period of more than one year . . ." and others who are included in this category by definition.

2. Temporary Employees. These are called "Other Than Permanent" in the currently used Personnel Management Information System and include "employees whose appointments are specifically limited to definite periods of one year or less . . ." and others who are included in this category by definition (such as CO-OP students and intermittent employees).

Note: Tables A-III-1 through A-III-23 use two different sources of data (QPSR through 12/31/66 and PMIS subsequently) with slight varying definitions of Permanent Employees and Temporary (QPSR) or Other Than Permanent (PMIS) Employees. This must be explained even though the numbers involved are relatively small. QPSR included TAPER's (Temporary Appointments Pending Establishment of Register) in Temporary whereas PMIS included them in Permanent. CO-OP Students are Other Than Permanent in the PMIS system but in the QPSR were distributed among Permanent and Temporary depending on each student's tenure or type of appointment. Apprentices are Permanent in the PMIS system but handled the same as CO-OP Students in the QPSR.

3. Paid Employees. Permanent Employees and Temporary (i.e. Other Than Permanent) Employees Combined. Specifically excluded from this category are military personnel detailed to NASA regardless of any reimbursement involved.

4. Military Detailees. Military personnel detailed to NASA (See definition 3 above.)

5. Excepted Employees. Civil Servants who fill high-level permanent positions created under provisions of Section 203 (b) of the Space Act of 1958. (P. L. 313 and Executive Pay Act employees are included under this heading for the purposes of this chapter.)

6. Contractor Employees. Persons employed under NASA contracts and thus performing work for NASA without being NASA employees.

7. Grade. A civil service categorization scheme to differentiate among levels of pay, duties, responsibilities, and so forth. Salaries shown in Table A-III-4 are those of the General Schedule. Excepted positions are paid in the range from GS-16 to GS-18 and above. Wage Board pay is locally rather than nationally set.

8. Occupational Code Groups. The definitions that follow are verbatim quotations from NASA Management Instruction 3291 mentioned above. Note that the tables that follow give a subtotal from the 200, 700 and 900 code groups. This subtotal represents the number of professional scientific and technological personnel employed by NASA. As of June 30, 1961, several adjustments were made in the terminology for the 700 code and extensive conversions were made from the 200 code to 700 code. Table A-III-22 combines the 500 code and the 600 code because they were combined in the 500 code prior to December 31, 1960. Thus the combination in Table A-III-22 is one of convenience and not meant to imply any substantive

comparability between the two codes. Code 600 is made up of professionals, code 500 is not. NASA Occupational Code Groups are defined as follows:

100 - Trades and Labor Positions: Includes trade, craft and general laboring positions (non-supervisory, leader and supervisory), compensated on the basis of prevailing locality wage rates.

200 - Support Engineering and Related Positions: Includes professional physical science, engineering, and mathematician positions in work situations not identified with aerospace technology.

300 - Technical Support Positions: Includes scientific and engineering aid, technician, drafting, photography, illustrating, salaried shop superintendents, quality assurance specialists, production planning and inspecting positions.

500 - Clerical and Non-Professional Administrative Positions: Includes secretarial, specialized and general clerical, and administrative specialist positions, the qualification requirements for which are clerical training and experience or specialized non-professional experience in supply, fiscal, procurement and similar or related activities.

600 - Professional Administrative Positions: Includes professional management positions in research and development administration in such activities as financial management, contracting, personnel, security, administration, law, public affairs and the like for which a college degree or the equivalent, and specialized training and experience are required.

700 - AST Scientific and Engineering Positions: Includes professional scientific and engineering positions requiring Aero-Space Technology (AST) qualifications: Includes professional positions engaged in aerospace research, development, operations, and related work including the development and operation of specialized facilities and supporting equipment.

900 - Life Science Positions: Includes life science professional positions not requiring AST qualifications. Includes medical officers and other positions performing professional work in psychology, the biological sciences and professions which support the science of medicine such as nursing and medical technology.

ORGANIZATIONAL NOMENCLATURE

Tables A-III-8 through A-III-23 list NASA Installations as they existed in 1968. In the ten years covered by the tables there have been new installations established, existing ones abolished or consolidated, and many name changes made. Chapter Seven of the NASA Historical Data Book describes what has taken place in considerable detail and only minimal information is presented here. The transfers that took place were largely on paper rather than the physical moving of employees.

1. Headquarters. From time to time figures for Headquarters include small ad hoc and emerging units (such as the North Eastern Office prior to 3/31/63).

2. NASA Pasadena Office. NASA Resident Office-JPL established 3/12/64. Transformed into current status on 8/8/66.

3. Western Support Office. Former Western Coordination Office renamed Western Operations Office in August 1959. Transformed into Western Support Office on 6/15/66. Disestablished on 3/1/68. Until late 1959 personnel figures were included with the totals for the Flight Research Center.

4. Other Western Offices. The Pacific Launch Operations Office had an independent reporting status between March 1962 and October 1965. NASA Office-Downey had complex connections with other NASA installations. Its somewhat independent status for reporting purposes stretched from mid-1966 to its disestablishment on 4/9/67 and data for it appear only in the 12/31/66 column of Tables A-III-8 through A-III-23.

5. Langley Research Center. Dates from 1917. In November 1959 the 490-member Space Task Group was transferred to the jurisdiction of the Goddard Space Flight Center. In January 1960, 225 persons were transferred to the jurisdiction of Wallops Station.

6. Ames Research Center. Dates from 1941.

7. Lewis Research Center. Dates from 1942.

8. Flight Research Center. Dates from 1947. Name changed from High Speed Flight Station on 9/27/59.

9. Electronics Research Center. Established on 9/1/64. Data prior to that date are for NASA's North Eastern Office (NEO).

10. AEC-NASA Space Nuclear Propulsion Office. Established as AEC-NASA Nuclear Propulsion Office on 8/31/60 and 2/1/61, and renamed AEC-NASA Space Nuclear Propulsion Office on 7/28/61.

11. Goddard Space Flight Center. Dates from NASA's origin. On 11/30/58, 148 persons were transferred from NRL/Vanguard of the Navy Department. In November 1959 the 490-member Space Task Group was transferred from the Langley Research Center and in January 1961 the Space Task Group, then numbering about 660 persons, became independent.

12. Wallops Station. Dates from 1945. Part of the Langley Research Center until January 1960 when independent status was attained and 225 persons transferred to it from Langley.

13. Marshall Space Flight Center. NASA Huntsville Facility established 3/14/59 and named George C. Marshall Space Flight Center on 3/15/59. Mass transfer of 4256 persons from the Army to NASA occurred on 7/10/60. Transfers to the Launch Operations Center occurred in July 1962 (338 persons) and May 1963 (276 persons).

14. Manned Spacecraft Center. The Space Task Group achieved an independent status in January 1961 and about 660 persons were transferred to it from Goddard. Manned Spacecraft Center funded in August 1961. Physical move from Langley to Houston took place in mid-1962.

15. John F Kennedy Space Center, NASA. Launch Operations Center achieved independent status in March 1962 and 338 persons transferred to it from Marshall. In May 1963, 276 more followed.

16. Jet Propulsion Laboratory. Owned by NASA but operated by the California Institute of Technology via contracts. Transferred to NASA from the Army in December 1958.

The information contained in this Appendix was collected and compiled by Dr. Robert L. Rosholt, of the College of Wooster, Wooster, Ohio, and Miss Jane Van Nimmen, of the Science and Technology Division, Library of Congress, for the NASA Historical Data Book, Currently under preparation. The following is a list of the Tables included in this Appendix:

- | | |
|---------|---|
| A-III-1 | Civilian and Military Personnel (Number on Board) |
| A-III-2 | Accessions and Separations of Paid Employees (Activity for Six-Month Periods) |
| A-III-3 | Paid Employees by NASA Occupation Code Groups (Number on Board and Percentages of NASA Total) |

A-III-4 Paid Employees by General Schedule Grade
(Number on Board)

A-III-5 NASA Excepted, Public Law 313, and Executive
Pay Act Employees (Position and Number
on Board)

A-III-6 Military Detailees, Selected Data (Number
on Board)

A-III-7 Temporary Employees, Selected Data (Number
on Board)

A-III-8 Paid Employees by NASA Installation (Number
on Board)

A-III-9 Paid Employees by NASA Installation (Percent
of NASA Total)

A-III-10 Paid Employees by NASA Installation (Changes
in Number on Board)

A-III-11 Permanent Employees by NASA Installation
(Number on Board)

A-III-12 Temporary Employees by NASA Installation
(Number on Board)

A-III-13 NASA Excepted, Public Law 313, and Executive
Pay Act Employees by NASA Installation
(Number on Board)

A-III-14 NASA Excepted, Public Law 313, and Executive
Pay Act Employees by NASA Installations
(Percent of NASA Total)

A-III-15 Military Detailees by NASA Installation
(Number on Duty)

A-III-16 Scientific and Technological Permanent
Personnel (Code Groups 200, 700, 900) by NASA
Installation (Number on Board)

A-III-17 Scientific and Technological Permanent
Personnel (Code Groups 200, 700, 900) by NASA
Installation (Percent of NASA Total)

A-III-18 Technical Support Permanent Personnel (Code
Group 300) by NASA Installation (Number on
Board)

A-III-19 Technical Support Permanent Personnel (Code
Group 300) by NASA Installation (Percent of
NASA Total)

A-III-20 Trades and Labor Permanent Employees (Code
Group 100) by NASA Installation (Number on
Board)

A-III-21 Trades and Labor Permanent Employees (Code
Group 100) by NASA Installation (Percent of
NASA Total)

A-III-22 Administrative and Clerical Permanent Personnel
(Code Groups 600 and 500) by NASA Installation
(Number on Board)

- A-III-23 Administrative and Clerical Permanent
 Personnel (Code Groups 600 and 500) by NASA
 Installation (Percent of NASA Total)
- A-III-24 Permanent Civil Service Positions by NASA
 Programs (Positions Budgeted for End of
 Fiscal Year)
- A-III-25 Permanent Civil Service Positions by NASA
 Programs (Percent of Total End of Fiscal Year
 Positions)
- A-III-26 Total NASA Employment, Selected Characteristics
 (June 30 Approximations)
- A-III-27 Scientists and Engineers Employment, Selected
 Characteristics (June 30 Approximations)

Table A-III-1. Civilian and Military In-house Personnel
(Number on Board)

Type of Employee ^a	As of:	1958		1959		1960		1961		1962		1963
		9/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30
Permanent Employees (Civil Service)		7,867	8,326	9,123	9,496	10,085	15,682	16,536	18,454	22,052	24,758	28,358
Temporary Employees (Civil Service)		99	94	112	71	147	360	935	533	1,634	909	1,567
Total Paid Employees (Civil Service)		7,966	8,420	9,235	9,567	10,232	16,042	17,471	18,987	23,686	25,667	29,934
Military Detailees		74	66	58	67	52	77	88	117	138	161	216
Total In-house Manpower		8,040	8,486	9,293	9,634	10,284	16,119	17,559	19,104	23,824	25,828	30,150
Net Increase, Previous Six Months			446	807	341	650	5,835	1,440	1,545	4,720	2,004	4,322
% Increase			(5.5)	(9.5)	(3.7)	(6.7)	(56.7)	(8.9)	(8.8)	(24.7)	(8.4)	(16.7)
Net Increase, Permanent Only			459	797	373	589	5,597	854	1,918	3,598	2,706	3,600
% Increase, Permanent Only			(5.8)	(9.6)	(4.1)	(6.2)	(55.5)	(5.4)	(11.6)	(19.5)	(12.3)	(14.5)

XEROX MADE FROM QUICK COPY

XEROX MADE FROM QUICK COPY

Table A-III-1. Civilian and Military In-house Personnel
(Number on Board)

Type of Employee ^a	As of:	1963	1964		1965		1966		1967		1968
		12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30
Permanent Employees (Civil Service)		29,482	31,285	32,335	32,697	32,663	33,538	33,722	33,677	33,172	32,342
Temporary Employees (Civil Service)		587	1,214	773	1,352	692	2,170	644	2,183	767	2,299
Total Paid Employees (Civil Service)		30,069	32,499	33,108	34,049	33,355	35,708	34,366	35,860	33,939	34,641
Military Detailees		239	250	249	222	280	305	323	309	318	317
Total In-house Manpower		30,308	32,749	33,357	34,271	33,635	36,013	34,689	36,169	34,257	34,958
Net Increase, Previous Six Months		158	2,441	608	914	-636	2,378	-1,324	1,480	-1,912	701
% Increase		(0.5)	(8.1)	(1.9)	(2.7)	(-1.9)	(7.1)	(-3.7)	(4.3)	(-5.3)	(2.0)
Net Increase, Permanent Only		1,124	1,803	1,050	362	-34	875	184	-45	-505	-830
% Increase, Permanent Only		(4.0)	(6.1)	(3.4)	(1.1)	(-0.1)	(2.7)	(0.5)	(-0.1)	(-1.5)	(-2.5)

Notes: ^aSee Introduction to this Chapter for a definition of terms.

Source: Unless otherwise indicated, Tables A-III-1 thru 23 are based on data supplied by the NASA Personnel Division. Through 12/31/66 the data derive from the NASA Quarterly Personnel Statistical Report (QPSR). Subsequent data derive from the NASA Personnel Management Information System which superseded the QPSR. See the Introduction to this Chapter for further elaboration.

Table A-III-2. Accessions and Separations of Paid Employees
(Activity for Six-Month Periods)

Activity and Type of Employee ^a	As of:	1958 ^b		1959		1960		1961		1962		1963		1964		1965		1966		1967
		9/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30
Accessions ^c																				
Permanent Employees		375	936	1,179	798	995	2,066	1,568	2,616	4,428	4,006	4,700	3,002	3,314	2,885	2,129	2,200	3,161	2,316	2,426
Temporary Employees		84	29	164	64	198	507	1,059	543	1,740	1,058	1,865	722	1,410	1,162	1,195	1,722	2,111	708	1,819
Total		459	965	1,343	862	1,193	2,573	2,627	3,159	6,168	5,064	6,565	3,724	4,724	4,047	3,324	3,922	5,262	3,024	4,245
Separations																				
Permanent Employees		226	460	390	420	422	838	783	1,015	1,108	1,693	1,548	2,161	1,784	2,134	1,945	2,471	2,420	2,329	2,268
Temporary Employees		85	26	129	94	97	174	360	639	399	1,401	723	1,404	502	1,329	400	2,157	504	1,799	487
Total		311	486	519	514	519	1,012	1,143	1,654	1,507	3,094	2,271	3,565	2,286	3,463	2,345	4,628	2,924	4,128	2,755
Net Accessions, Total		148	479	824	348	674	1,561	1,484	1,505	4,661	1,970	4,294	159	2,438	584	979	-706	2,338	-1,104	1,490
% Increase ^d			(6.0)	(9.8)	(3.8)	(7.0)	(15.3)	(9.3)	(8.6)	(24.5)	(8.3)	(16.7)	(0.5)	(8.1)	(1.8)	(3.0)	(-2.1)	(7.0)	(-3.1)	(4.3)
Net Accessions, Permanent		149	476	789	378	573	1,228	785	1,601	3,320	2,313	3,152	841	1,530	751	184	-271	741	-13	158
% Increase, Permanent ^d			(6.1)	(9.5)	(4.1)	(6.0)	(12.2)	(5.0)	(9.7)	(18.0)	(10.5)	(12.7)	(3.0)	(						

Notes: ^aSee Introduction to this Chapter for a definition of terms.

^bFor three-month periods ending on date indicated. These are the last three months of NACA and the first three months of NASA.

^cExcludes certain types of transferees such as the July 1, 1960, mass transfer at Huntsville, Alabama.

^dPercentage calculated by dividing the net accessions or separations for a six-month period by the number of paid employees at the beginning of that six-month period.

Source: See Table A-III-1.

Table A-III-3. Paid Employees by NASA Occupation Code Groups
(Number on Board and Percentages of NASA Total)

NASA Code Occupational Groups ^a	As of:	1958		1959		1960		1961		1962		1963
		9/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30
200 (General Scientists and Engineers) % of Total		605 (7.6)	660 (7.8)	728 (7.9)	764 (8.0)	783 (7.7)	1,347 (8.4)	312 (1.8)	231 (1.2)	294 (1.2)	375 (1.5)	405 (1.4)
700 (Aerospace Scientists and Engineers) % of Total		2,044 (25.7)	2,158 (25.6)	2,466 (26.7)	2,603 (27.2)	2,726 (26.6)	3,854 (24.0)	5,453 (31.2)	6,087 (32.1)	7,867 (33.2)	8,865 (34.5)	10,560 (35.3)
900 (Primarily Life Sciences) % of Total												13 (0.04)
200, 700, 900 Subtotal % of Total		2,649 (33.3)	2,818 (33.5)	3,194 (34.6)	3,367 (35.2)	3,509 (34.3)	5,201 (32.4)	5,765 (33.0)	6,318 (33.3)	8,161 (34.5)	9,240 (36.0)	10,978 (36.7)
300 (Technical Support) % of Total		714 (9.0)	785 (9.3)	844 (9.1)	853 (8.9)	922 (9.0)	1,791 (11.2)	2,295 (13.1)	2,272 (12.0)	3,390 (14.3)	3,068 (12.0)	4,079 (13.6)
600 (Professional Administrative) % of Total						792 (4.9)		943 (5.4)	1,317 (6.9)	1,834 (7.7)	2,303 (9.0)	2,800 (9.4)
500 (Primarily Clerical) % of Total		1,045 (13.1)	1,186 (14.1)	1,445 (15.6)	1,602 (18.8)	2,031 (19.8)	2,336 (14.6)	2,635 (15.1)	2,997 (15.8)	3,939 (16.6)	4,474 (17.4)	5,292 (17.7)
100 (Trades and Labor) % of Total		3,558 (44.7)	3,631 (43.1)	3,752 (40.6)	3,745 (39.1)	3,770 (36.8)	5,922 (36.9)	5,833 (33.4)	6,083 (32.0)	6,362 (26.9)	6,578 (25.6)	6,785 (22.7)
Total Paid Employees		7,966	8,420	9,235	9,567	10,232	16,042	17,471	18,987	23,686	25,667	29,934

Table A-III-3. Paid Employees by NASA Occupation Code Groups
(Number on Board and Percentages of NASA Total)

NASA Code Occupational Groups ^a	As of:	1963	1964		1965		1966		1967		1968
		12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30
200 (General Scientists and Engineers)		429	420	427	420	408	422	385	387	361	332
% of Total		(1.4)	(1.3)	(1.3)	(1.2)	(1.2)	(1.2)	(1.1)	(1.1)	(1.1)	(1.0)
700 (Aerospace Scientists and Engineers)		11,007	11,966	12,494	12,793	12,726	13,580	13,327	14,018	13,662	13,842
% of Total		(36.6)	(36.8)	(37.7)	(37.6)	(38.2)	(38.0)	(38.8)	(39.1)	(40.3)	(40.0)
900 (Primarily Life Sciences)		27	41	46	52	54	58	48	50	44	47
% of Total		(0.1)	(0.1)	(0.1)	(0.2)	(0.2)	(0.2)	(0.1)	(0.1)	(0.1)	(0.1)
200, 700, 900 Subtotal		11,463	12,427	12,967	13,265	13,188	14,060	13,760	14,455	14,067	14,221
% of Total		(38.1)	(38.2)	(39.2)	(38.9)	(39.5)	(39.4)	(40.0)	(40.3)	(41.4)	(41.1)
300 (Technical Support)		3,637	3,947	3,922	4,144	4,163	4,852	4,610	4,859	4,680	4,977
% of Total		(12.1)	(12.1)	(11.8)	(12.2)	(12.5)	(13.6)	(13.4)	(13.5)	(13.8)	(14.4)
600 (Professional Administrative)		3,064	3,422	3,632	3,762	3,827	4,188	4,417	4,644	4,629	4,477
% of Total		(10.2)	(10.5)	(11.0)	(11.0)	(11.5)	(11.7)	(12.9)	(13.0)	(13.6)	(12.9)
500 (Primarily Clerical)		5,133	5,850	5,816	5,972	5,913	6,492	6,073	6,251	5,499	5,632
% of Total		(17.1)	(18.0)	(17.6)	(17.5)	(17.7)	(18.2)	(17.7)	(17.4)	(16.2)	(16.3)
100 (Trades and Labor)		6,772	6,853	6,771	6,906	6,264	6,116	5,506	5,651	5,064	5,334
% of Total		(22.5)	(21.1)	(20.5)	(20.3)	(18.8)	(17.1)	(16.0)	(15.8)	(14.9)	(15.4)
Total Paid Employees		30,069	32,499	33,108	34,049	33,355	35,708	34,366	35,860	33,939	34,641

Notes: ^aSee Introduction to this Chapter for a full description of Occupational Code Groups. Note especially the initiation of the 600 category and conversion of the 200 category.

Source: See Table A-III-1.

Table A-III-4. Paid Employees by General Schedule Grade
(Number on Board)

Grade and 6/30/68 General Schedule Salary Rates	As of:	1958		1959		1960		1961		1962		1963
		9/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30
GS-18 (\$27,055)							1	1	1	1		
GS-16 (\$20,982-\$26,574)		26	3					4	4	4	4	4
GS-15 (\$18,404-\$23,921)		242	209	210	262	323	537	614	769	1,001	1,186	1,360
GS-14 (\$15,841-\$20,593)		274	313	374	439	508	857	998	1,146	1,495	1,814	2,087
GS-13 (\$13,507-\$17,557)		557	591	646	668	755	1,209	1,330	1,542	1,992	2,428	2,939
GS-12 (\$11,461-\$14,899)		557	599	660	689	751	1,223	1,381	1,636	2,064	2,516	2,964
GS-11 (\$9,657-\$12,555)		481	543	602	683	782	1,442	1,555	1,783	2,001	2,262	2,654
GS-10 (\$8,821-\$11,467)		15	16	18	18	14	17	13	13	14	18	21
GS-9 (\$8,054-\$10,475)		543	582	684	762	812	1,151	1,145	1,133	1,486	1,766	2,266
GS-8 (\$7,384-\$9,598)		17	21	21	20	24	25	24	35	30	28	35
GS-7 (\$6,734-\$8,759)		343	384	625	598	563	724	987	1,066	1,706	1,623	1,949
GS-6 (\$6,137-\$7,982)		132	157	165	167	198	283	318	370	438	498	541
GS-5 (\$5,565-\$7,239)		498	492	457	480	564	918	973	1,063	1,328	1,509	1,709
GS-4 (\$4,995-\$6,439)		381	426	461	459	483	736	926	1,018	1,433	1,529	2,117
GS-3 (\$4,466-\$5,807)		264	262	286	291	335	544	793	813	1,509	1,266	1,749
GS-2 (\$4,108-\$5,341)		52	60	71	76	119	165	278	164	371	172	270
GS-1 (\$3,776-\$4,910)				1				1	5	6	5	
Wage Board		3,558	3,631	3,752	3,745	3,770	5,922	5,833	6,083	6,362	6,578	6,785
Excepted, WAE's, Others		26	131	202	210	231	288	297	343	445	465	484
Total Paid Employees		7,966	8,420	9,235	9,567	10,232	16,042	17,471	18,987	23,686	25,667	29,934
Percentage of Total												
GS 14-18 (\$15,841-\$27,055)		6.8	6.2	6.3	7.3	8.1	8.7	9.3	10.1	10.6	11.7	11.5
GS 10-13 (\$8,821-\$17,557)		20.2	20.8	20.9	21.5	22.5	24.3	24.5	26.2	25.6	28.1	28.7
GS 7-9 (\$6,734-\$10,475)		11.3	11.7	14.4	14.4	13.7	11.8	12.3	11.8	13.6	13.3	14.2
GS 4-6 (\$4,995-\$7,982)		12.7	12.8	11.7	11.6	12.2	12.1	12.7	12.9	13.5	13.8	14.6
GS 1-3 (\$3,776-\$5,807)		4.0	3.9	3.9	3.8	4.4	4.4	6.1	5.2	8.0	5.6	6.7
Wage Board		44.7	43.1	40.6	39.1	36.8	36.9	33.4	32.0	26.7	25.6	22.7
Excepted, WAE's, Others		0.3	1.6	2.2	2.2	2.3	1.8	1.7	1.8	1.9	1.8	1.6

Table A-III-4. Paid Employees by General Schedule Grade
(Number on Board)

Grade and 6/30/68 General Schedule Salary Rates	As of	1963	1964		1965		1966		1967		1968
		12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30
GS-18 (\$27,055)											
GS-16 (\$20,982-\$26,574)		4	4	153	250	274	276	303	310	319	314
GS-15 (\$18,404-\$23,921)		1,533	1,611	1,532	1,606	1,647	1,757	1,812	1,908	1,947	2,029
GS-14 (\$15,841-\$20,593)		2,285	2,464	2,586	2,640	2,762	2,955	3,101	3,298	3,375	3,429
GS-13 (\$13,507-\$17,557)		3,232	3,679	3,901	3,984	4,107	4,470	4,658	4,875	5,088	5,130
GS-12 (\$11,461-\$14,899)		3,312	3,662	4,002	4,055	4,192	4,265	4,329	4,323	4,290	4,289
GS-11 (\$9,657-\$12,555)		2,885	3,191	3,532	3,622	3,656	3,665	3,541	3,529	3,423	3,331
GS-10 (\$8,821-\$11,467)		21	23	34	57	67	178	205	242	285	320
GS-9 (\$8,054-\$10,475)		2,374	2,456	2,499	2,467	2,263	2,374	2,254	2,349	2,341	2,354
GS-8 (\$7,384-\$9,598)		46	50	60	86	90	176	201	199	201	229
GS-7 (\$6,734-\$8,759)		1,610	1,701	1,458	1,576	1,383	2,019	1,639	2,002	1,529	1,494
GS-6 (\$6,137-\$7,982)		591	671	684	700	705	809	818	820	782	796
GS-5 (\$5,565-\$7,239)		1,779	1,901	1,891	1,926	1,924	2,100	1,990	2,128	2,052	2,043
GS-4 (\$4,995-\$6,439)		1,888	2,119	1,941	1,913	1,819	2,002	1,806	2,024	1,740	1,745
GS-3 (\$4,466-\$5,807)		1,154	1,324	1,290	1,301	1,209	1,309	1,233	1,254	824	882
GS-2 (\$4,108-\$5,341)		103	291	276	425	479	644	392	442	158	388
GS-1 (\$3,776-\$4,910)			3	12	89	19	19	86	9	52	17
Wage Board		6,772	6,853	6,771	6,906	6,264	6,116	5,506	5,651	5,064	5,334
Excepted, WAE's, Others		480	496	486	446	475	493	492	487	469	517
Total Paid Employees		30,069	32,499	33,108	34,049	33,355	35,708	34,366	35,861	33,939	34,641
Percentage of Total											
GS 14-18 (\$15,841-\$27,055)		12.7	12.6	12.9	13.2	14.0	14.0	15.7	15.4	16.6	16.7
GS 10-13 (\$8,821-\$17,557)		31.4	32.5	34.6	34.4	36.0	35.2	37.1	36.2	38.6	37.7
GS 7-9 (\$6,734-\$10,475)		13.4	12.9	12.1	12.1	11.2	12.8	11.9	12.7	12.0	11.8
GS 4-6 (\$4,995-\$7,982)		14.2	14.4	13.6	13.3	13.3	13.8	13.4	13.9	13.5	13.2
GS 1-3 (\$3,776-\$5,807)		4.2	5.0	4.8	5.3	5.1	5.5	5.0	4.8	3.0	3.7
Wage Board		22.5	21.1	20.5	20.3	18.8	17.1	16.0	15.8	14.9	15.4
Excepted, WAE's, Others		1.6	1.5	1.5	1.3	1.4	1.4	1.4	1.4	1.4	1.5

Source: See Table A-III-1.

Table A-III-5. NASA Excepted, P. L. 313, and Executive Pay Act Employees
(Positions and Numbers on Board)

Item	As of:	1958		1959		1960		1961		1962		1963
		9/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30
Authorized ^a												
NASA Excepted		260	260	260	260	290	290	290	355	425	425	425
P. L. 313						12	12	12	12	12	12	12
Executive Pay Act		2	2	2	2	2	2	2	2	2	2	2
Total Authorized		262	262	262	262	304	304	304	369	439	439	439
On Board		26	130	195	204	221	270	254	301	364	397	411
Accessions (Six Month Period)		1	25	10	12	14	15	5	22	45	34	17
Separations (Six Month Period)				1	5	6	7	10	7	10	11	13
Net Transfers ^b			79	56	2	9	41	16	2	28	10	10
Net Increase		1	104	65	9	17	49	14	17	63	33	14

Table A-III-5. NASA Excepted, P. L. 313, and Executive Pay Act Employees
(Positions and Numbers on Board)

Item	As of:	1963	1964		1965		1966		1967	
		12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31
Authorized ^a										
NASA Excepted		425	425	425	425	425	425	425	425	425
P. L. 313		12	12	12	12	12	12	12	12	12
Executive Pay Act		2	2	9	9	9	9	9	9	9
Total Authorized		439	439	446	446	446	446	446	446	446
On Board		407	415	420	353	355	355	371	368	395
Accessions (Six Month Period)		15	22	33	21	22	15	25	29	43
Separations (Six Month Period)		28	14	13	7	19	6	15	30	17
Net Transfers ^b		9	0	-15	-81	-1	-9	6	4	1
Net Increase		-4	8	5	-67	2	0	16	-3	27

Notes: ^aFor further information on these positions see: An Administrative History of NASA, 1958-1963, pp. 56-8, 140-1, 268.

^bAn artificial figure compiled by subtracting separations from accessions and then subtracting that difference from the net increase figure.
See Table A-III-4 for data on GS-16.

Source: See Table A-III-1.

Table A-III-6. Military Detainees, Selected Data
(Number on Duty)

Item	As of:	1958		1959		1960		1961		1962		1963
		9/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30
Total on Duty		74	66	58	67	52	77	88	117	138	161	216
Accessions, Previous Six Months		10 ^a	9 ^a	11	8	4	16	7	36	46	66	51
Separations, Previous Six Months		16 ^a	17 ^a	18	15	20	3	1	10	23	50	15
Net Increase			-8 ^a	-8	9	-15	25	11	29	21	23	55
Occupation Groupings ^b												
200		9	9	5	2	1	1	1	6	9	0	0
700		65	57	53	65	51	76	84	103	124	155	195
900												7
Subtotal		74	66	58	67	52	77	85	109	133	155	202
% of Total		(100)	(100)	(100)	(100)	(100)	(100)	(96.6)	(93.2)	(96.4)	(96.3)	(93.5)
300		0	0	0	0	0	0	0	1	1	1	3
600								2	5	4	5	11
500		0	0	0	0	0	0	1	2	0	0	0
Total		74	66	58	67	52	77	88	117	138	161	216
Number per 10,000 Paid Civilians		93	78	63	70	51	48	50	62	56	63	72

Table A-III-6. Military Detailees, Selected Data
(Number on Duty)

Item	As of:	1963	1964		1965		1966		1967		1968
		12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30
Total on Duty		239	250	249	222	280	305	323	309	318	317
Accessions, Previous Six Months		62	26	65	22	111	72	38	28		
Separations, Previous Six Months		26	30	59	53	49	41	25	34		
Net Increase		23	11	-1	-27	58	25	18	-14	9	-1
Occupation Groupings ^b											
200		1	1	1	0	0	0	0	0	0	0
700		212	221	217	196	251	276	287	271	287	291
900		10	11	10	7	6	6	12	11	9	11
Subtotal		223	233	228	203	257	282	299	282	296	302
% of Total		(93.3)	(93.2)	(91.6)	(91.4)	(91.8)	(92.5)	(92.6)	(91.3)	(93.1)	(95.3)
300		2	2	4	3	9	8	11	11	10	5
600		14	12	16	15	13	14	11	15	11	9
500		0	3	1	1	1	1	2	1	1	1
Total		239	250	249	222	280	305	323	309	318	317
Number per 10,000 Paid Civilians		79	77	75	65	84	85	94	86	94	92

Notes: ^aFor previous three months.

^bSee Table A-III-3.

Source: See Table A-III-1.

Table A-III-7. Temporary Employees, Selected Data
(Number on Board)

Item	As of:	1958		1959		1960		1961		1962		1963
		9/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30
Total on Board		99	94	112	71	147	360	935	533	1,634	909	1,576
Accessions, Previous Six Months		174 ^a	29 ^a	164	64	198	507	1,059	543	1,740	1,058	1,865
Separations, Previous Six Months		138 ^a	26 ^a	129	94	97	174	360	639	399	1,401	723
Net Increase			-5 ^a	18	-41	76	213	575	-402	1,101	-725	667
Occupation Groupings ^b												
200		1	2	2	1	2	11	10	7	3	6	4
700			2	14	8	14	26	86	72	176	88	276
900												3
Subtotal		1	4	16	9	16	37	96	79	179	94	283
% of Total		(1.0)	(4.3)	(14.3)	(12.7)	(10.9)	(10.3)	(10.3)	(14.8)	(11.0)	(10.3)	(18.0)
300		2	3	6	4	9	48	345	115	746	251	571
600							16	34	41	79	98	94
500		12	16	25	24	93	133	307	180	450	360	513
100		84	71	65	34	29	126	153	118	180	106	115
Total		99	94	112	71	147	360	935	533	1,634	909	1,576

Table A-III-7. Temporary Employees, Selected Data
(Number on Board)

Item	As of:	1963	1964		1965		1966		1967		1968
		12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30
Total on Board		587	1,214	773	1,352	692	2,170	644	2,183	767	2,299
Accessions, Previous Six Months		722	1,410	1,162	1,195	1,722	2,111	708	1,819		
Separations, Previous Six Months		1,404	502	1,329	400	2,157	504	1,799	487		
Net Increase		-989	627	-441	579	-660	1,478	-1,526	1,539	-1,416	1,532
Occupation Groupings ^b											
200		1	6	3	6	6	19	2	9	3	4
700		69	167	78	132	115	471	118	481	75	362
900		1	5	6	12	15	14	3	9	3	4
Subtotal		71	178	87	150	136	504	123	499	81	370
% of Total		(12.1)	(14.7)	(11.3)	(11.1)	(19.7)	(23.2)	(19.1)	(22.9)	(10.6)	(16.1)
300		146	300	180	265	144	423	125	625	411	629
500		60	62	42	45	30	72	47	126	25	88
500		207	528	344	447	294	621	205	467	112	396
100		103	146	120	445	88	550	144	466	138	816
Total		587	1,214	773	1,352	692	2,170	644	2,183	767	2,299

Notes: ^aFor previous three months.

^bSee Table A-III-3.

Source: See Table A-III-1.

Table A-III-8. Paid Employees by NASA Installation
(Number on Board)

Installation ^a	As of:	1958		1959		1960		1961		1962		1963
		9/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30
Headquarters		180	274	429	484	585	662	748	960	1,477	1,693	2,001
NASA Pasadena Office												
Western Support Office ^b						37	50	60	84	136	247	308
Other Western Offices ^c											14	17
Subtotal A ^d		180	274	429	484	622	712	808	1,044	1,613	1,954	2,326
Langley Research Center		3,368	3,501	3,795	3,456	3,191	3,208	3,338	3,460	3,894	4,007	4,220
Ames Research Center		1,413	1,427	1,464	1,429	1,421	1,418	1,462	1,529	1,658	1,825	2,116
Lewis Research Center		2,713	2,696	2,809	2,749	2,722	2,743	2,773	3,036	3,800	4,118	4,697
Flight Research Center		292	306	340	332	408	416	447	494	538	568	616
Electronics Research Center												25
AEC-NASA Space Nuclear Propulsion Office									15	39	67	96
Subtotal B ^d		7,786	7,930	8,408	7,966	7,742	7,785	8,020	8,534	9,929	10,585	11,770
Goddard Space Flight Center			216	398	1,117	1,269	1,881	1,599	1,858	2,755	2,858	3,487
Wallops Station						229	297	302	371	421	430	493
Subtotal C ^d			216	398	1,117	1,498	2,178	1,901	2,229	3,176	3,288	3,980
Marshall Space Flight Center						370	5,367	5,948	6,034	7,132	6,844	7,332
Manned Spacecraft Center								794	1,146	1,786	2,392	3,345
John F. Kennedy Space Center, NASA											604	1,181
Subtotal D ^d						370	5,367	6,742	7,180	8,968	9,840	11,858
Total Paid Employees		7,966	8,420	9,235	9,567	10,232	16,042	17,471	18,987	23,686	25,667	29,934

Table A-III-8. Paid Employees by NASA Installation
(Number on Board)

Installation ^a	As of:	1963	1964		1965		1966		1967		1968
		12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30
Headquarters		2,017	2,158	2,026	2,135	2,112	2,336	2,274	2,373	2,176	2,310
NASA Pasadena Office				16	19	20	85	87	91	87	79
Western Support Office ^b		318	376	370	377	343	294	105	119	103	
Other Western Offices ^c		19	22	21	21			127			
Subtotal A ^d		2,354	2,556	2,433	2,552	2,475	2,715	2,593	2,583	2,366	2,389
Langley Research Center		4,234	4,330	4,329	4,371	4,263	4,485	4,296	4,405	4,211	4,219
Ames Research Center		2,166	2,204	2,215	2,270	2,236	2,310	2,232	2,264	2,171	2,197
Lewis Research Center		4,760	4,859	4,878	4,897	4,834	5,047	4,825	4,956	4,623	4,583
Flight Research Center		618	619	622	669	629	662	618	642	607	622
Electronics Research Center		30	33	117	250	340	555	619	791	785	950
AEC-NASA Space Nuclear Propulsion Office		102	112	111	116	112	115	114	113	117	108
Subtotal B ^d		11,910	12,157	12,272	12,573	12,414	13,174	12,704	13,171	12,514	12,679
Goddard Space Flight Center		3,443	3,675	3,640	3,774	3,560	3,958	3,791	3,995	3,752	4,073
Wallops Station		502	530	523	554	526	563	538	576	509	565
Subtotal C ^d		3,945	4,205	4,163	4,328	4,086	4,521	4,329	4,571	4,261	4,638
Marshall Space Flight Center		7,227	7,679	7,639	7,719	7,503	7,740	7,434	7,602	7,288	6,935
Manned Spacecraft Center		3,364	4,277	4,721	4,413	4,391	4,889	4,688	5,056	4,728	4,956
John F. Kennedy Space Center, NASA		1,269	1,625	1,880	2,464	2,486	2,669	2,618	2,867	2,782	3,044
Subtotal D ^d		11,860	13,581	14,240	14,596	14,380	15,298	14,740	15,535	14,798	14,935
Total Paid Employees		30,069	32,499	33,108	34,049	33,355	35,708	34,366	35,860	33,939	34,641

Notes: ^aSee Introduction to this Chapter for an explanation of nomenclature and reporting problems. See Tables A-III-11 and A-III-15 for data on the Jet Propulsion Laboratory.

^bDiscontinued as of March 1, 1968.

^cThe 12/31/61 figure is for the "NASA Office--Downey." The earlier figures are all for the Pacific Launch Operations Office.

^dThese subtotals express an organizational grouping of NASA Field Installations. Subtotal B components are associated with the office of Advanced Research and Technology; Subtotal C components, together with JPL, with the Office of Space Sciences and Applications; and Subtotal D components with the Office of Manned Space Flight. The NASA Pasadena Office and the Pacific Launch Operations Office are often thought of as components of Subtotal C rather than with NASA Headquarters, as shown here. This organizational arrangement dates from 1963.

Source: See Table A-V-1. See Chapter 7 for a separate personnel summary for each Installation.

Table A-III-9. Paid Employees by NASA Installation
(Percent of NASA Total)*

Installation ^a	As of:	1958		1959		1960		1961		1962		1963
		9/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30
Headquarters		2.3	3.3	4.6	5.1	5.7	4.1	4.3	5.1	6.2	6.6	6.7
NASA Pasadena Office												
Western Support Office ^b						0.4	0.3	0.4	0.4	0.6	1.0	1.0
Other Western Offices ^c											0.1	0.1
Subtotal A ^d		2.3	3.3	4.6	5.1	6.1	4.4	4.6	5.5	6.8	7.6	7.8
Langley Research Center		42.3	41.6	41.1	36.1	31.2	20.0	19.1	18.2	16.4	15.6	14.1
James Research Center		17.7	16.9	15.9	14.9	13.9	8.8	8.4	8.1	7.0	7.1	7.1
Lewis Research Center		34.1	32.0	30.4	28.7	26.7	17.1	15.9	16.0	16.0	16.0	15.7
Flight Research Center		3.7	3.6	3.7	3.5	4.0	2.6	2.6	2.6	2.3	2.2	2.1
Electronics Research Center												0.1
EC-NASA Space Nuclear Propulsion Office									0.1	0.2	0.3	0.3
Subtotal B ^d		97.7	94.2	91.0	83.3	75.7	48.5	45.9	44.9	41.9	41.2	39.3
Wallops Station			2.6	4.3	11.7	12.4	11.7	9.2	9.8	11.6	11.1	11.6
Subtotal C ^d			2.6	4.3	11.7	2.2	1.9	1.7	2.0	1.8	1.7	1.6

Table A-III-9. Paid Employees by NASA Installation
(Percent of NASA Total)*

Installation ^a	As of:	1963	1964		1965		1966		1967		1968
		12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30
Headquarters		6.7	6.6	6.1	6.3	6.3	6.5	6.6	6.6	6.4	6.7
NASA Pasadena Office				*	0.1	0.1	0.2	0.3	0.3	0.3	0.2
Western Support Office ^b		1.1	1.2	1.1	1.1	1.0	0.8	0.3	0.3	0.3	
Other Western Offices ^c		0.1	0.1	0.1	0.1			0.4			
Subtotal A ^d		7.8	7.9	7.3	7.5	7.4	7.6	7.5	7.2	7.0	6.9
Langley Research Center		14.1	13.3	13.1	12.8		12.6	12.5	12.3	12.4	12.2
Ames Research Center		7.2	6.8	6.7	6.7	6.7	6.5	6.5	6.3	6.4	6.3
Lewis Research Center		15.8	15.0	14.7	14.4	14.5	14.1	14.0	13.8	13.6	13.2
Flight Research Center		2.1	1.9	1.9	2.0	1.9	1.9	1.8	1.8	1.8	1.8
Electronics Research Center		0.1	0.1	0.4	0.7	1.0	1.6	1.8	2.2	2.3	2.7
AEC-NASA Space Nuclear Propulsion Office		0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Subtotal B ^d		39.6	37.4	37.1	36.9	37.2	36.9	37.0	36.7	36.9	36.6
Goddard Space Flight Center		11.5	11.3	11.0	11.1	10.7	11.1	11.0	11.1	11.1	11.8
Wallops Station		1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.6
Subtotal C ^d		13.1	12.9	12.6	12.7	12.3	12.7	12.6	12.7	12.6	13.4
Marshall Space Flight Center		24.0	23.6	23.1	22.7	22.5	21.7	21.6	21.2	21.5	20.0
Manned Spacecraft Center		11.2	13.2	14.3	13.0	13.2	13.7	13.6	14.1	13.9	14.3
John F. Kennedy Space Center, NASA		4.2	5.0	5.7	7.2	7.5	7.5	7.6	8.0	8.2	8.8
Subtotal D ^d		39.4	41.8	43.0	42.9	43.1	42.8	42.9	43.3	43.6	43.1
Total Paid Employees		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

*Percentages rounded to nearest tenth of one percent and thus may not add to totals. An asterisk indicates less than 0.05 percent.

Notes: Notes are identical to Table A-III-8.

Source: Table A-III-8.

Table A-III-10. Paid Employees by NASA Installation
(Changes in Number on Board)*

Installation ^a	As of:	1958		1959		1960		1961		1962		1963
		9/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30
Headquarters			94	155	55	101	77	86	212	517	216	308
NASA Pasadena Office												
Western Support Office ^b						37	13	10	24	52	111	61
Other Western Offices ^c											14	3
Subtotal ^d			94	155	55	138	90	96	236	569	341	372
Langley Research Center			133	294	-339	-265	17	130	122	434	113	213
Ames Research Center			14	37	-35	-8	-3	44	67	129	167	291
Lewis Research Center			-17	113	-60	-27	21	30	263	764	318	579
Flight Research Center			14	34	-8	76	8	31	47	44	30	48
Electronics Research Center												25
AEC-NASA Space Nuclear Propulsion Office									15	24	28	29
Subtotal ^d			144	478	-442	-224	43	235	514	1,395	656	1,185
Goddard Space Flight Center			216	182	719	152	612	-282	259	897	103	629
Wallops Station						229	68	5	69	50	9	63
Subtotal ^d			216	182	719	381	680	-277	328	947	112	692
Marshall Space Flight Center						370	4,997	581	86	1,148	-338	488
Manned Spacecraft Center								794	352	640	606	953
John F. Kennedy Space Center, NASA											604	577
Subtotal ^d						370	4,997	1,375	438	1,788	872	2,018
Total Increases (Decreases)			454	815	332	665	5,810	1,429	1,516	4,699	1,981	4,267

Table A-III-10. Paid Employees by NASA Installation
(Changes in Number on Board)*

Installation ^a	As of:	1963	1964		1965		1966		1967		1968
		12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30
Headquarters		16	141	-132	109	-23	224	-62	99	-197	134
NASA Pasadena Office				16	3	1	65	2	4	-4	-8
Western Support Office ^b		10	58	-6	7	-34	-49	-189	14	-16	-103
Other Western Offices ^c		2	3	-1	0	-21		127	-127		
Subtotal ^d		28	202	-123	119	-77	240	-122	-10	-217	23
Langley Research Center		14	96	-1	42	-108	222	-180	109	-194	8
Ames Research Center		50	38	11	55	-34	74	-78	32	-93	26
Lewis Research Center		63	99	19	19	-63	213	-222	131	-333	-40
Flight Research Center		2	1	3	47	-40	33	-44	24	-35	15
Electronics Research Center		5	3	84	133	90	215	64	172	-6	165
AEC-NASA Space Nuclear Propulsion Office		6	10	-1	5	-4	3	-1	-1	-4	-9
Subtotal ^d		140	247	115	301	-159	760	-470	467	-657	165
Goddard Space Flight Center		-44	232	-35	134	-214	398	-167	204	-243	321
Wallops Station		9	28	-7	31	-28	37	-25	38	-67	56
Subtotal ^d		-35	260	-42	165	-242	435	-192	242	-310	377
Marshall Space Flight Center		-105	452	-40	80	-216	237	-306	168	-314	-353
Manned Spacecraft Center		19	913	444	-308	-22	498	-201	378	-338	228
John F. Kennedy Space Center, NASA		88	356	255	584	22	183	-51	249	-85	262
Subtotal ^d		2	1,721	659	356	-216	918	-558	795	-737	137
Total Increases (Decreases)		135	2,430	609	941	-694	2,353	-1,342	1,494	-1,921	702

*Figures shown are the net increase or decrease in the number of paid employees for the six-month period prior to date.

Notes: Notes are identical to Table A-III-8.

Source: Table A-III-8.

Table A-III-11. Permanent Employees by NASA Installation
(Number on Board)

Installation ^a	As of:	1958		1959		1960		1961		1962		1963
		9/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30
Headquarters		176	267	420	477	561	645	716	922	1,321	1,641	1,846
NASA Pasadena Office												
Western Support Office ^b						36	49	57	80	130	241	301
Other Western Offices ^c											12	13
Subtotal A ^d		176	267	420	477	597	694	773	1,002	1,451	1,894	2,160
Langley Research Center		3,322	3,458	3,765	3,452	3,189	3,201	3,295	3,441	3,766	3,984	4,112
Ames Research Center		1,386	1,406	1,439	1,413	1,404	1,397	1,429	1,502	1,631	1,788	1,964
Lewis Research Center		2,703	2,687	2,802	2,741	2,703	2,723	2,751	3,001	3,721	4,025	4,577
Flight Research Center		280	294	312	317	392	401	435	477	517	556	613
Electronics Research Center												24
AEC-NASA Space Nuclear Propulsion Office									15	39	66	94
Subtotal B ^d		7,691	7,845	8,318	7,923	7,688	7,722	7,910	8,436	9,674	10,419	11,384
Goddard Space Flight Center			214	385	1,096	1,252	1,741	1,320	1,711	2,287	2,579	3,030
Wallops Station						228	277	292	359	383	409	473
Subtotal C ^d			214	385	1,096	1,480	2,018	1,612	2,070	2,670	2,988	3,503
Marshall Space Flight Center						320	5,248	5,521	5,911	6,669	6,658	7,243
Manned Spacecraft Center								720	1,035	1,538	2,239	3,059
John F. Kennedy Space Center, NASA											560	1,009
Subtotal D ^d						320	5,248	6,241	6,946	8,207	9,457	11,311
Total Permanent Employees, NASA		7,867	8,326	9,123	9,496	10,085	15,682	16,536	18,454	22,052	24,758	28,358
Jet Propulsion Laboratory ^a		2,266	2,328	2,662	2,626	2,743	2,655	2,817	3,091	3,497	3,821	4,004

Table A-III-11. Permanent Employees by NASA Installation
(Number on Board)

Installation ^a	As of:	1963	1964		1965		1966		1967		1968
		12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30
Headquarters		1,952	1,978	1,966	1,998	2,019	2,081	2,152	2,138	2,093	2,077
NASA Pasadena Office				16	18	20	79	87	86	87	76
Western Support Office ^b		310	369	355	352	339	268	97	99	95	
Other Western Offices ^c		16	17	18	17			125			
Subtotal A ^d		2,278	2,364	2,355	2,385	2,378	2,428	2,461	2,323	2,275	2,153
Langley Research Center		4,204	4,255	4,298	4,285	4,237	4,280	4,235	4,227	4,168	4,037
Ames Research Center		2,110	2,152	2,136	2,175	2,155	2,191	2,189	2,173	2,164	2,084
Lewis Research Center		4,735	4,805	4,806	4,815	4,778	4,819	4,756	4,704	4,583	4,452
Flight Research Center		616	618	620	611	608	609	607	587	582	566
Electronics Research Center		29	32	117	238	331	470	570	700	744	794
AEC-NASA Space Nuclear Propulsion Office		101	107	110	115	112	114	114	112	115	108
Subtotal B ^d		11,795	11,969	12,087	12,239	12,221	12,483	12,471	12,503	12,356	12,041
Goddard Space Flight Center		3,310	3,498	3,531	3,613	3,489	3,718	3,754	3,788	3,702	3,746
Wallops Station		483	519	513	520	509	512	506	499	496	497
Subtotal C ^d		3,793	4,017	4,044	4,133	3,998	4,230	4,260	4,287	4,198	4,243
Marshall Space Flight Center		7,145	7,467	7,517	7,485	7,409	7,416	7,342	7,153	7,026	6,400
Manned Spacecraft Center		3,297	4,034	4,605	4,274	4,325	4,548	4,649	4,718	4,606	4,588
John F. Kennedy Space Center, NASA		1,174	1,434	1,727	2,181	2,332	2,433	2,539	2,693	2,711	2,917
Subtotal D ^d		11,616	12,935	13,849	13,940	14,066	14,397	14,530	14,564	14,343	13,905
Total Permanent Employees, NASA		29,482	31,285	32,335	32,697	32,663	33,538	33,722	33,677	33,172	32,342
Jet Propulsion Laboratory ^a		4,134	4,291	4,268	4,027	4,016	4,069	4,333	4,565	4,377	. . .

Notes: Notes are identical to Table A-III-8.

Source: See Table A-III-1. See Chapter 7 for a separate personnel summary for each Installation. JPL data supplied by JPL Personnel Office.

Table A-III-12. Temporary Employees by NASA Installation
(Number on Board)

Installation ^a	As of:	1958		1959		1960		1961		1962		1963
		9/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30
Headquarters		4	7	9	7	24	17	32	38	156	52	155
NASA Pasadena Office												
Western Support Office ^b						1	1	3	4	6	6	7
Other Western Offices ^c											2	4
Subtotal A ^d		4	7	9	7	25	18	35	42	162	60	166
Langley Research Center		46	43	30	4	2	7	43	19	128	23	108
Ames Research Center		27	21	25	16	17	21	33	27	27	37	152
Lewis Research Center		10	9	7	8	19	20	22	35	79	93	120
Flight Research Center		12	12	28	15	16	15	12	17	21	12	3
Electronics Research Center												1
AEC-NASA Space Nuclear Propulsion Office									0	0	1	2
Subtotal B ^d		95	85	90	43	54	63	110	98	255	166	386
Goddard Space Flight Center			2	13	21	17	140	279	147	468	279	457
Wallops Station						1	20	10	12	38	21	20
Subtotal C ^d			2	13	21	18	160	289	159	506	300	477
Marshall Space Flight Center						50	119	426	123	513	186	89
Manned Spacecraft Center								74	111	198	153	286
John F. Kennedy Space Center, NASA											44	172
Subtotal D ^d						50	119	500	234	711	383	547
Total Temporary Employees		99	94	112	71	147	360	935	533	1,634	909	1,576

Table A-III-12. Temporary Employees by NASA Installation
(Number on Board)

Installation ^a	As of:	1963	1964		1965		1966		1967		1968
		12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30
Headquarters		65	180	60	137	93	255	122	235	83	233
NASA Pasadena Office				0	1	0	6	0	5	0	3
Western Support Office ^b		8	7	15	25	4	26	8	20	8	
Other Western Offices ^c		3	5	3	4			2			
Subtotal A ^d		76	192	78	167	97	287	132	260	91	236
Langley Research Center		30	75	31	86	26	205	61	178	43	182
Ames Research Center		56	52	79	95	81	119	43	91	7	113
Lewis Research Center		25	54	72	82	56	228	69	252	40	131
Flight Research Center		2	1	2	58	21	53	11	55	25	56
Electronics Research Center		1	1	0	12	9	85	49	91	41	156
AEC-NASA Space Nuclear Propulsion Office		1	5	1	1		1		1	2	0
Subtotal B ^d		115	188	185	334	193	691	233	568	158	638
Goddard Space Flight Center		133	177	109	161	71	240	37	207	50	327
Wallops Station		19	11	10	34	17	51	32	77	13	68
Subtotal C ^d		152	188	119	195	88	291	69	284	63	395
Marshall Space Flight Center		82	212	122	234	94	324	92	449	262	535
Manned Spacecraft Center		67	243	116	139	66	341	39	348	122	368
John F. Kennedy Space Center, NASA		95	191	153	283	154	236	79	174	71	127
Subtotal D ^d		244	646	391	656	314	901	210	971	455	1,030
Total Temporary Employees		587	1,214	773	1,352	692	2,170	644	2,183	767	2,299

Notes: Notes are identical to Table A-III-8.

Source: See Table A-III-1. See Chapter 7 for a separate personnel summary for each Installation.

Table A-III-13. NASA Excepted, P. L. 313, and EPA Employees by NASA Installation
(Number on Board)

Installation ^a	As of:	1958		1959		1960		1961		1962		1963
		9/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30
Headquarters		9	46	68	72	88	96	100	108	133	156	162
NASA Pasadena Office												
Western Support Office ^b						1	1	1	1	3	3	3
Other Western Offices ^c											0	0
Subtotal A ^d		9	46	68	72	89	97	101	109	136	159	165
Langley Research Center		9	31	46	40	36	37	38	37	40	38	38
Ames Research Center		0	15	21	21	21	21	22	24	26	25	28
Lewis Research Center		7	29	33	32	28	27	26	27	32	35	35
Flight Research Center		1	5	7	7	8	7	7	7	8	7	7
Electronics Research Center												2
AEC-NASA Space Nuclear Propulsion Office									0	2	2	2
Subtotal B ^d		17	80	107	100	93	92	93	95	108	107	112
Goddard Space Flight Center			4	20	32	35	37	30	32	36	38	38
Wallops Station						1	1	2	2	2	2	2
Subtotal C ^d			4	20	32	36	38	32	34	38	40	40
Marshall Space Flight Center						3	43	48	47	54	55	53
Manned Spacecraft Center								10	16	28	34	35
John F. Kennedy Space Center, NASA											2	6
Subtotal D ^d						3	43	58	63	82	91	94
Total Excepted Employees		26	130	195	204	221	270	284	301	364	397	411

Table A-III-13. NASA Excepted, P. L. 313, and EPA Employees by NASA Installation
(Number on Board)

Installation ^a	As of:	1963	1964		1965		1966		1967		1968
		12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30
Headquarters		154	157	166	147	154	153	160	159	169	177
NASA Pasadena Office				0	0	0	1	1	1	1	1
Western Support Office ^b		3	3	3	4	4	3	1	1	1	
Other Western Offices ^c		0	0	0	0			1			
Subtotal A ^d		157	160	169	151	158	157	163	161	171	178
Langley Research Center		36	36	35	28	28	28	28	27	28	26
Ames Research Center		28	26	25	19	19	20	21	20	21	21
Lewis Research Center		36	35	35	27	26	24	25	25	27	27
Flight Research Center		7	6	6	5	5	4	4	6	6	6
Electronics Research Center		2	2	5	8	7	7	7	7	7	7
AEC-NASA Space Nuclear Propulsion Office		3	3	3	2	2	2	2	2	3	3
Subtotal B ^d		112	108	109	89	87	85	87	87	92	90
Goddard Space Flight Center		39	40	40	33	29	32	31	32	36	37
Wallops Station		1	1	1	1	1	1	2	2	2	2
Subtotal C ^d		40	41	41	34	30	33	33	34	38	39
Marshall Space Flight Center		54	56	52	40	38	38	39	40	40	40
Manned Spacecraft Center		38	36	35	29	29	29	30	28	33	34
John F. Kennedy Space Center, NASA		6	14	14	10	13	13	12	18	21	24
Subtotal D ^d		98	106	101	79	80	80	88	86	94	98
Total Excepted Employees		407	415	420	353	355	355	371	368	395	405

Notes: Notes are identical to Table A-III-8.

Source: See Table A-III-1. See Chapter 7 for a separate personnel summary for each Installation.

Table A-III-14. NASA Excepted, P. L. 313 and EPA Employees by NASA Installation
(Percent of NASA Total)*

Installation ^a	As of:	1963	1964		1965		1966		1967		1968
		12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30
Headquarters		37.8	37.8	39.5	41.6	43.4	43.1	43.1	43.2	42.8	43.7
NASA Pasadena Office				0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2
Western Support Office ^b		0.7	0.7	0.7	1.1	1.1	0.8	0.3	0.3	0.3	
Other Western Offices ^c		0.0	0.0	0.0	0.0			0.3			
Subtotal A ^d		38.6	38.6	40.2	42.8	44.5	44.2	43.9	43.8	43.3	44.0
Langley Research Center		8.8	8.7	8.3	7.9	7.9	7.9	7.5	7.3	7.1	6.4
Ames Research Center		6.9	6.3	6.0	5.4	5.4	5.6	5.7	5.4	5.3	5.2
Lewis Research Center		8.8	8.4	8.3	7.6	7.3	6.8	6.7	6.8	6.8	6.7
Flight Research Center		1.7	1.4	1.4	1.4	1.4	1.1	1.1	1.6	1.5	1.5
Electronics Research Center		0.5	0.5	1.2	2.3	2.0	2.0	1.9	1.9	1.8	1.7
AEC-NASA Space Nuclear Propulsion Office		0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.8	0.7
Subtotal B ^d		27.5	26.0	26.0	25.2	24.5	23.9	23.5	23.6	23.3	22.2
Goddard Space Flight Center		9.6	9.6	9.5	9.3	8.2	9.0	8.4	8.7	9.1	9.1
Wallops Station		0.2	0.2	0.2	0.3	0.3	0.3	0.5	0.5	0.5	0.5
Subtotal C ^d		9.8	9.9	9.8	9.6	8.5	9.3	8.9	9.2	9.6	9.6
Marshall Space Flight Center		13.3	13.5	12.4	11.3	10.7	10.7	10.5	10.9	10.1	9.9
Manned Spacecraft Center		9.3	8.7	8.3	8.2	8.2	8.1	8.1	7.6	8.4	8.4
John F. Kennedy Space Center, NASA		1.5	3.4	3.3	2.8	3.7	3.6	5.1	4.9	5.3	5.9
Subtotal D ^d		24.1	25.5	24.0	22.4	22.5	22.5	23.7	23.4	23.8	24.2
Total for NASA		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

*Percentages rounded to nearest tenth of one percent and thus may not add to totals.

Notes: Notes are identical to Table A-III-8.

Source: Table A-III-13.

Table A-III-15. Military Detailees by NASA Installation
(Number on Duty)

Installation ^a	As of:	1958		1959		1960		1961		1962		1963
		9/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30
Headquarters		0	0	0	0	0	11	13	21	26	25	32
NASA Pasadena Office												
Western Support Office ^b						0	0	0	0	0	0	0
Other Western Offices ^c											0	0
Subtotal A ^d		0	0	0	0	0	11	13	21	26	25	32
Langley Research Center		20	13	11	13	11	12	10	16	19	24	31
Ames Research Center		21	19	14	19	16	16	16	19	16	12	10
Lewis Research Center		25	28	30	23	12	11	12	12	15	29	39
Flight Research Center		8	6	3	2	3	3	4	3	2	3	3
Electronics Research Center												0
AEC-NASA Space Nuclear Propulsion Office									0	1	1	0
Subtotal B ^d		74	66	58	57	42	42	42	50	53	69	83
Goddard Space Flight Center			0	0	10	10	11	3	6	9	8	14
Wallops Station						0	2	3	3	4	4	2
Subtotal C ^d			0	0	10	10	13	6	9	13	12	16
Marshall Space Flight Center						0	11	16	20	25	22	31
Manned Spacecraft Center								11	17	21	23	46
John F. Kennedy Space Center, NASA											10	8
Subtotal D ^d						0	11	27	37	46	55	85
Total Military Detailees, NASA		74	66	58	67	52	77	88	117	138	161	216
Jet Propulsion Laboratory							9	10	13	17	23	17

Table A-III-15. Military Detailees by NASA Installation
(Number on Duty)

Installation ^a	As of:	1963	1964		1965		1966		1967		1968
		12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30
Headquarters		34	33	40	40	37	33	32	30	24	23
NASA Pasadena Office			0	0	0	0	0	0	0	18	14
Western Support Office ^b		0	0	0	0	0	0	0	0	0	
Other Western Offices ^c		0	0	0	0			0			
Subtotal A ^d		34	33	40	40	37	33	32	30	42	37
Langley Research Center		32	31	21	16	14	8	6	5	5	5
Ames Research Center		14	13	11	11	10	9	10	9	10	13
Lewis Research Center		42	40	31	23	18	9	11	13	16	20
Flight Research Center		3	5	5	4	4	3	5	7	10	10
Electronics Research Center		0	0	3	3	1	3	3	0	5	6
AEC-NASA Space Nuclear Propulsion Office		0	0	0	0	0	0	0	0	0	0
Subtotal B ^d		89	89	71	57	47	32	35	34	46	54
Goddard Space Flight Center		15	14	11	5	3	5	8	11	10	8
Wallops Station		2	2	2	2	1	1	2	1	2	2
Subtotal C ^d		17	16	13	7	4	6	10	12	12	10
Marshall Space Flight Center		41	46	50	44	37	32	27	26	21	23
Manned Spacecraft Center		49	60	69	69	148	195	214	203	192	188
John F. Kennedy Space Center, NASA		7	6	6	5	7	7	5	4	5	5
Subtotal D ^d		97	112	125	118	192	234	246	233	218	216
Total Military Detailees, NASA		239	250	249	222	280	305	323	309	318	317
Jet Propulsion Laboratory		17	17	17	17	16	16	16	19	19	

Notes: Notes are identical to Table A-III-8.

Source: See Table A-III-1. See Chapter 7 for a separate personnel summary for each Installation. JPL data supplied by JPL Personnel Office.

Table A-III-16. Scientific and Technological Permanent Personnel (Code Groups 200, 700, 900) by NASA Installation*
(Number on Board)

Installation ^a	As of:	1958		1959		1960		1961		1962		1963
		9/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30
Headquarters		37	57	105	120	129	161	187	221	329	452	516
NASA Pasadena Office												
Western Support Office ^b						11	13	15	19	29	32	37
Other Western Offices ^c											5	5
Subtotal A ^d		37	57	105	120	140	174	202	240	358	489	558
Langley Research Center		1,149	1,162	1,344	1,155	1,130	1,127	1,189	1,193	1,365	1,422	1,536
AMES Research Center		435	435	453	446	456	441	471	506	582	628	721
Lewis Research Center		948	949	974	936	932	921	928	1,041	1,431	1,575	1,849
Flight Research Center		79	83	87	91	110	122	138	148	161	174	192
Electronics Research Center												4
EC-NASA Space Nuclear Propulsion Office									12	27	36	51
Subtotal B ^d	-	2,611	2,629	2,853	2,628	2,628	2,611	2,726	2,900	3,566	3,835	4,353
Wallops Space Flight Center			128	215	610	682	848	627	726	1,022	1,149	1,376
Wallops Station						28	45	46	49	57	58	70
Subtotal C ^d			128	215	610	710	893	673	775	1,079	1,207	1,446
Marshall Space Flight Center						15	1,486	1,714	1,855	2,194	2,334	2,486
Marshall Spacecraft Center								354	469	785	1,116	1,471
John F. Kennedy Space Center, NASA											165	381
Subtotal D ^d						15	1,486	2,068	2,324	2,979	3,615	4,338
Total Personnel in Category		2,648	2,814	3,178	3,358	3,493	5,164	5,669	6,239	7,982	9,146	10,695

Table A-III-16. Scientific and Technological Permanent Personnel (Code Groups 200, 700, 900) by NASA Installation*
(Number on Board)

Installation ^a	As of:	1963	1964		1965		1966		1967		1968
		12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30
Headquarters		543	532	523	539	547	547	561	553	553	541
NASA Pasadena Office				2	3	3	8	8	9	9	9
Western Support Office ^b		40	53	54	53	52	45	17	15	15	
Other Western Offices ^c		5	5	6	6			1			
Subtotal A ^d		588	590	585	601	602	600	587	577	577	550
Langley Research Center		1,582	1,603	1,612	1,650	1,641	1,652	1,630	1,643	1,636	1,610
Ames Research Center		789	814	814	825	827	859	881	887	903	885
Lewis Research Center		1,936	1,960	1,947	1,958	1,902	1,924	1,883	1,894	1,856	1,814
Flight Research Center		199	199	202	200	202	203	204	203	200	198
Electronics Research Center		5	6	44	94	138	217	268	338	373	400
AEC-NASA Space Nuclear Propulsion Office		55	59	59	59	58	59	59	58	64	59
Subtotal B ^d		4,566	4,641	4,678	4,786	4,768	4,914	4,925	5,023	5,032	4,966
Goddard Space Flight Center		1,499	1,609	1,644	1,692	1,590	1,718	1,755	1,796	1,791	1,818
Wallops Station		75	81	82	84	85	85	81	82	81	90
Subtotal C ^d		1,574	1,690	1,726	1,776	1,675	1,803	1,836	1,878	1,872	1,908
Marshall Space Flight Center		2,590	2,735	2,788	2,751	2,696	2,740	2,773	2,774	2,791	2,606
Manned Spacecraft Center		1,621	2,002	2,357	2,184	2,226	2,383	2,404	2,505	2,515	2,504
John F. Kennedy Space Center, NASA		453	591	746	1,017	1,085	1,116	1,112	1,199	1,199	1,327
Subtotal D ^d		4,664	5,328	5,891	5,952	6,007	6,239	6,289	6,478	6,505	6,437
Total Personnel in Category		11,392	12,249	12,880	13,115	13,052	13,556	13,637	13,956	13,986	13,851

*See Introduction to this chapter for a full description of code groups.

Notes: Notes are identical to Table A-III-8.

Source: See Table A-III-1. See Chapter 7 for a separate personnel summary for each Installation.

Table A-III-17. Scientific and Technological Permanent Personnel (Code Groups 200, 700, 900) by NASA Installation
(Percent of NASA Total)*

Installation ^a	As of:	1958		1959		1960		1961		1962		1963
		9/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30
Headquarters		1.4	2.0	3.3	3.6	3.7	3.1	3.3	3.5	4.1	4.9	4.8
NASA Pasadena Office												
Western Support Office ^b						0.3	0.3	0.3	0.3	0.4	0.3	0.3
Other Western Offices ^c											0.1	*
Subtotal A ^d		1.4	2.0	3.3	3.6	4.0	3.4	3.6	3.8	4.5	5.3	5.2
Langley Research Center		43.4	41.3	42.3	34.4	32.4	21.8	21.0	19.1	17.1	15.5	14.4
Ames Research Center		16.4	15.5	14.3	13.3	13.1	8.5	8.3	8.1	7.3	6.9	6.7
Lewis Research Center		35.8	33.7	30.6	27.9	26.7	17.8	16.4	16.7	17.9	17.2	17.3
Flight Research Center		3.0	2.9	2.7	2.7	3.1	2.4	2.4	2.4	2.0	1.9	1.8
Electronics Research Center												*
AEC-NASA Space Nuclear Propulsion Office									0.2	0.3	0.4	0.5
Subtotal B ^d		98.6	93.4	89.9	78.3	75.2	50.6	48.1	46.5	44.7	41.9	40.7
Goddard Space Flight Center			4.5	6.8	18.2	19.5	16.4	11.1	11.6	12.8	12.6	12.9
Wallops Station						0.8	0.9	0.8	0.8	0.7	0.6	0.7
Subtotal C ^d			4.5	6.8	18.2	20.3	17.3	11.9	12.4	13.5	13.2	13.5
Marshall Space Flight Center						0.4	28.8	30.2	29.7	27.5	25.5	23.2
Manned Spacecraft Center								6.2	7.5	9.3	12.2	13.8
John F. Kennedy Space Center, NASA											1.8	3.6
Subtotal D ^d						0.4	28.8	36.5	37.2	37.3	39.5	40.6
Total Personnel in Category								100.0	100.0	100.0	100.0	100.0

Table A-III-17. Scientific and Technological Permanent Personnel (Code Groups 200, 700, 900) by NASA Installation
(Percent of NASA Total)*

Installation ^a	As of:	1963	1964		1965		1966		1967		1968
		12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30
Headquarters		4.8	4.3	4.0	4.1	4.2	4.0	4.1	4.0	4.0	3.9
NASA Pasadena Office				*	*	*	0.1	0.1	0.1	0.1	0.1
Western Support Office ^b		0.4	0.4	0.4	0.4	0.4	0.3	0.1	0.1	0.1	
Other Western Offices ^c		*	*	*	*			*			
Subtotal A ^d		5.2	4.8	4.5	4.6	4.6	4.4	4.3	4.1	4.1	4.0
Langley Research Center		13.9	13.1	12.4	12.6	12.6	12.2	12.0	11.7	11.7	11.6
Ames Research Center		6.9	6.6	6.3	6.3	6.3	6.3	6.5	6.4	6.5	6.4
Lewis Research Center		17.0	16.0	15.0	14.9	14.6	14.2	13.8	13.6	13.2	13.1
Flight Research Center		1.7	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.4	1.4
Electronics Research Center		*	*	0.3	0.7	1.1	1.6	2.0	2.4	2.7	2.9
AEC-NASA Space Nuclear Propulsion Office		0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.4
Subtotal B ^d		40.1	37.9	36.3	36.5	36.5	36.2	36.1	36.0	36.0	35.9
Goddard Space Flight Center		13.2	13.1	12.7	12.9	12.2	12.7	12.9	12.3	12.8	13.1
Wallops Station		0.7	0.7	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6
Subtotal C ^d		13.8	13.8	13.4	13.5	12.8	13.3	13.5	13.5	13.4	13.8
Marshall Space Flight Center		22.7	22.3	21.5	21.0	20.7	20.2	20.3	20.0	20.0	18.8
Manned Spacecraft Center		14.2	16.3	18.2	16.7	17.0	17.6	17.6	17.3	18.0	18.1
John F. Kennedy Space Center, NASA		4.0	4.8	5.8	7.8	8.3	8.2	8.2	8.6	8.6	9.6
Subtotal D ^d		40.9	43.5	45.7	45.4	46.0	46.0	46.1	46.1	46.5	46.5
Total Personnel in Category		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

*Percentages rounded to nearest tenth of one percent and thus may not add to totals. An asterisk indicates less than 0.05 percent.

Notes: Notes are identical to Table A-III-8.

Source: Table A-III-16.

Table A-III-18. Technical Support Permanent Personnel (Code Group 300) by NASA Installation*
(Number on Board)

Installation ^a	As of:	1958		1959		1960		1961		1962		1963
		9/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30
Headquarters		1	1	4	4	5	5	8	14	19	24	27
NASA Pasadena Office												
Western Support Office ^b						0	0	0	1	5	51	76
Other Western Offices ^c											1	1
Subtotal A ^d		1	1	4	4	5	5	8	15	24	76	104
Langley Research Center		266	290	302	268	243	275	291	337	412	414	430
Ames Research Center		159	162	163	151	147	149	157	167	179	191	208
Lewis Research Center		265	257	258	247	233	289	308	287	362	366	399
Flight Research Center		21	19	23	25	33	27	39	31	42	36	67
Electronics Research Center												2
AEC-NASA Space Nuclear Propulsion Office								0	0	0	0	0
Subtotal B ^d		711	728	746	691	656	740	795	822	995	1,007	1,106
Goddard Space Flight Center			53	88	154	161	215	202	261	355	404	484
Wallops Station						17	35	31	43	44	51	75
Subtotal C ^d			53	88	154	178	250	233	304	399	455	559
Marshall Space Flight Center						74	748	857	932	1,077	1,033	1,283
Manned Spacecraft Center								57	84	149	207	333
John F. Kennedy Space Center, NASA											39	123
Subtotal D ^d						74	748	914	1,016	1,226	1,279	1,739
Total Personnel in Category		712	782	838	849	913	1,743	1,950	2,157	2,644	2,817	3,508

Table A-III-18. Technical Support Permanent Personnel (Code Group 300) by NASA Installation*
(Number on Board)

Installation ^a	As of:	1963	1964		1965		1966		1967		1968
		12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30
Headquarters		27	18	15	13	7	8	7	11	8	8
NASA Pasadena Office				0	0	0	0	0	0	0	0
Western Support Office ^b		77	88	88	87	84	81	0	0	1	
Other Western Offices ^c		2	2	3	2			69			
Subtotal A ^d		106	108	106	102	91	89	76	11	9	8
Langley Research Center		452	468	492	507	514	965	985	1,022	994	1,022
Ames Research Center		215	198	199	209	199	185	181	180	202	213
Lewis Research Center		430	417	394	390	408	377	370	361	348	358
Flight Research Center		50	62	61	65	60	59	58	49	68	73
Electronics Research Center		3	3	4	11	13	30	42	64	66	77
AEC-NASA Space Nuclear Propulsion Office		0	0	0	0	0	0	0	0	0	0
Subtotal B ^d		1,150	1,148	1,150	1,182	1,194	1,616	1,636	1,676	1,678	1,743
Goddard Space Flight Center		516	541	538	558	548	544	555	534	526	552
Wallops Station		65	71	63	161	175	175	185	176	188	186
Subtotal C ^d		581	612	601	719	723	719	740	710	714	738
Marshall Space Flight Center		1,122	1,131	1,138	1,126	1,140	1,092	1,067	956	1,000	908
Manned Spacecraft Center		386	476	516	480	484	504	537	465	451	497
John F. Kennedy Space Center, NASA		146	172	232	270	387	409	429	415	417	454
Subtotal D ^d		1,654	1,779	1,886	1,876	2,011	2,005	2,033	1,836	1,868	1,859
Total Personnel in Category		3,491	3,647	3,742	3,879	4,019	4,429	4,485	4,234	4,269	4,348

*See Introduction to this chapter for a full description of code groups.

Notes: Notes are identical to Table A-III-8.

Source: See Table A-III-1. See Chapter 7 for a separate personnel summary for each Installation.

Table A-III-19. Technical Support Permanent Personnel (Code Group 300) by NASA Installation
(Percent of NASA Total)*

Installation ^a	As of:	1963	1964		1965		1966		1967		1968
		12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30
Headquarters		0.8	0.5	0.4	0.3	0.2	0.2	0.2	0.3	0.2	0.2
NASA Pasadena Office				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Western Support Office ^b		2.2	2.4	2.4	2.2	2.1	1.8	0.0	0.0	*	
Other Western Offices ^c		0.1	0.1	0.1	0.1			1.5			
Subtotal A ^d		3.0	3.0	2.8	2.6	2.3	2.0	1.7	0.3	0.2	0.2
Langley Research Center		12.9	12.8	13.1	13.1	12.8	21.8	22.0	24.1	23.3	23.5
Ames Research Center		6.2	5.4	5.3	5.4	5.0	4.2	4.0	4.3	4.7	4.9
Lewis Research Center		12.3	11.4	10.5	10.1	10.2	8.5	8.2	8.5	8.2	8.2
Flight Research Center		1.4	1.7	1.6	1.7	1.5	1.3	1.3	1.2	1.6	1.7
Electronics Research Center		0.1	0.1	0.1	0.3	0.3	0.7	0.9	1.5	1.5	1.8
AEC-NASA Space Nuclear Propulsion Office		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal B ^d		32.9	31.5	30.7	30.5	29.7	36.5	36.5	39.6	39.3	40.0
Goddard Space Flight Center		14.8	14.8	14.4	14.4	13.6	12.3	12.4	12.6	12.3	12.7
Wallops Station		1.9	1.9	1.7	4.2	4.4	4.0	4.1	4.2	4.4	4.3
Subtotal C ^d		16.6	16.8	16.1	18.5	18.0	16.2	16.5	16.8	16.7	16.9
Marshall Space Flight Center		32.1	31.0	30.4	29.0	28.4	24.7	23.8	22.6	23.4	20.8
Manned Spacecraft Center		11.1	13.1	13.8	12.4	12.0	11.4	12.0	11.0	10.6	11.4
John F. Kennedy Space Center, NASA		4.2	4.7	6.2	7.0	9.6	9.2	9.6	9.8	9.8	10.4
Subtotal D ^d		47.4	48.8	50.4	48.4	50.0	45.3	45.3	43.4	43.8	42.7
Total Personnel in Category		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

*Percentages rounded to nearest tenth of one percent and thus may not add to totals. An asterisk indicates less than 0.05 percent.

Notes: Notes are identical to Table A-III-8.

Source: Table A-III-18.

Table A-11E-22. Trades and Labor Permanent Employees (Code Group 100) by NASA Installation*
(Number on Board)

Installation ^a	As of:	1958		1959		1960		1961		1962		1963
		9/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30
Headquarters		4	7	9	10	12	12	12	15	17	17	21
NASA Pasadena Office												
Western Support Office ^b						0	0	0	0	0	0	0
Other Western Offices ^c											0	0
Subtotal A ^d		4	7	9	10	12	12	12	15	17	17	21
Langley Research Center		1,545	1,609	1,656	1,604	1,452	1,439	1,422	1,470	1,480	1,578	1,566
Ames Research Center		617	628	635	635	628	631	630	644	662	720	738
Lewis Research Center		1,174	1,169	1,235	1,228	1,218	1,235	1,236	1,343	1,500	1,576	1,710
Flight Research Center		134	145	148	151	195	199	204	234	243	260	263
Electronics Research Center												0
AEC-NASA Space Nuclear Propulsion Office									0	0	0	0
Subtotal B ^d		3,470	3,551	3,674	3,618	3,493	3,504	3,492	3,691	3,885	4,134	4,277
Goddard Space Flight Center			2	4	83	96	208	129	185	219	245	245
Wallops Station						133	147	160	192	201	218	228
Subtotal C ^d			2	4	83	229	355	289	377	420	463	473
Marshall Space Flight Center						7	1,925	1,764	1,734	1,693	1,615	1,565
Manned Spacecraft Center								123	148	167	212	267
John F. Kennedy Space Center, NASA											31	67
Subtotal D ^d						7	1,925	1,887	1,882	1,860	1,853	1,899
Total Personnel in Category		3,474	3,560	3,687	3,711	3,741	5,796	5,630	5,965	6,182	6,472	6,670

Table A-III-20. Trades and Labor Permanent Employees (Code Group 100) by NASA Installation*
(Number on Board)

Installation ^a	As of:	1963	1964		1965		1966		1967		1968
		6/30	6/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30
Headquarters		20	20	18	17	17	20	26	25	21	20
NASA Pasadena Office				0	0	0	0	0	0	0	0
Western Support Office ^b		0	0	0	0	0	1	1	1	1	
Other Western Offices ^c		0	0	0	0		0				
Subtotal A ^d		20	20	18	17	17	21	27	26	22	20
Langley Research Center		1,569	1,546	1,542	1,501	1,426	964	910	865	854	761
Ames Research Center		758	775	759	766	743	722	694	685	640	587
Lewis Research Center		1,713	1,746	1,755	1,741	1,758	1,775	1,771	1,739	1,701	1,635
Flight Research Center		273	262	259	253	247	241	241	233	212	198
Electronics Research Center		0	0	0	0	1	7	9	9	10	11
AEC-NASA Space Nuclear Propulsion Office		0	0	0	0	0	0	0	0	0	0
Subtotal B ^d		4,313	4,329	4,315	4,261	4,175	3,709	3,625	3,531	3,417	3,192
Goddard Space Flight Center		257	260	253	255	254	245	232	228	219	217
Wallops Station		243	254	262	168	142	140	124	120	106	103
Subtotal C ^d		500	514	515	423	396	385	356	348	325	320
Marshall Space Flight Center		1,530	1,477	1,450	1,424	1,346	1,239	1,116	1,065	968	835
Manned Spacecraft Center		246	310	326	239	229	208	205	212	190	148
John F. Kennedy Space Center, NASA		60	57	27	97	13	4	3	3	4	3
Subtotal D ^d		1,836	1,844	1,803	1,760	1,588	1,451	1,354	1,280	1,162	986
Total Personnel in Category		6,669	6,707	6,651	6,461	6,176	5,566	5,362	5,185	4,926	4,518

*See Introduction to this chapter for a full description of code groups.

Notes: Notes are identical to Table A-III-8.

Source: See Table A-III-1. See Chapter 7 for a separate personnel summary for each Installation.

Table A-III-21. Trades and Labor Permanent Employees (Code Group 100) by NASA Installation
(Percent of NASA Total)*

Installation ^a	As of:	1963	1964		1965		1966		1967		1968
		12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30
Headquarters		0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.5	0.4	0.4
NASA Pasadena Office				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Western Support Office ^b		0.0	0.0	0.0	0.0	0.0	*	*	*	*	
Other Western Offices ^c		0.0	0.0	0.0	0.0			0.0			
Subtotal A ^d		0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.5	0.4	0.4
Langley Research Center		23.5	23.1	23.2	23.2	23.1	17.3	17.0	16.7	17.3	16.8
Ames Research Center		11.4	11.6	11.4	11.9	12.0	13.0	12.9	13.2	13.0	13.0
Lewis Research Center		25.7	26.0	26.4	26.9	28.5	31.9	33.0	33.5	34.5	36.2
Flight Research Center		4.1	3.9	3.9	3.9	4.0	4.3	4.5	4.5	4.3	4.4
Electronics Research Center		0.0	0.0	0.0	0.0	*	0.1	0.2	0.2	0.2	0.2
AEC-NASA Space Nuclear Propulsion Office		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal B ^d		64.7	64.5	64.9	65.9	67.6	66.6	67.6	68.1	69.4	70.7
Goddard Space Flight Center		3.9	3.9	3.8	3.9	4.1	4.4	4.3	4.4	4.4	4.8
Wallops Station		3.6	3.8	3.9	2.6	2.3	2.5	2.3	2.3	2.2	2.3
Subtotal C ^d		7.5	7.7	7.7	6.5	6.4	6.9	6.6	6.7	6.6	7.1
Marshall Space Flight Center		22.9	22.0	21.8	22.0	21.8	22.3	21.4	20.5	19.7	18.5
Manned Spacecraft Center		3.7	4.6	4.9	3.7	3.7	3.7	3.8	4.1	3.9	3.3
John F. Kennedy Space Center, NASA		0.9	0.8	0.4	1.5	0.2	0.1	0.1	0.1	0.1	0.1
Subtotal D ^d		27.5	27.5	27.1	27.2	25.7	26.1	25.3	24.7	23.6	21.8
Total Personnel in Category		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

*Percentages rounded to nearest tenth of one percent and thus may not add to totals. An asterisk indicates less than 0.05 percent.

Notes: Notes are identical to Table A-III-8.

Source: Table A-III-20.

Table A-111-22. Administrative and Clerical Permanent Personnel (Code Groups 600 and 500) by NASA Installation*
(Number on Board)

Installation ^a	As of:	1958		1959		1960		1961		1962		1963
		9/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30
Headquarters		134	202	302	343	415	467	509	672	956	1,148	1,282
NASA Pasadena Office												
Western Support Office ^b						25	36	42	60	96	158	188
Other Western Offices ^c											6	7
Subtotal A ^d		134	202	302	343	440	503	551	732	1,952	1,312	1,477
Langley Research Center		362	397	463	425	364	360	393	441	509	570	580
Ames Research Center		175	181	188	181	173	176	171	185	208	249	297
Lewis Research Center		316	312	335	330	320	278	279	330	428	508	619
Flight Research Center		46	47	54	50	54	53	54	64	71	82	91
Electronics Research Center												18
AEC-NASA Space Nuclear Propulsion Office									3	12	30	43
Subtotal B ^d		899	937	1,040	986	911	867	897	1,023	1,228	1,439	1,648
Goddard Space Flight Center			31	78	249	313	470	362	539	691	781	925
Wallops Station						50	50	55	75	81	82	100
Subtotal C ^d			31	78	249	363	520	417	614	772	863	1,025
Marshall Space Flight Center						224	1,089	1,187	1,390	1,705	1,676	1,909
Manned Spacecraft Center								186	334	487	704	988
John F. Kennedy Space Center, NASA											325	438
Subtotal D ^d						224	1,089	1,373	1,724	2,192	2,705	3,335
Total Personnel in Category		1,033	1,170	1,420	1,578	1,938	2,979	3,237	4,093	5,244	6,319	7,485

Table A-III-22. Administrative and Clerical Permanent Personnel (Code Groups 600 and 500) by NASA Installation*
(Number on Board)

Installation ^a	As of:	1963	1964		1965		1966		1967		1968
		12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30
Headquarters		1,362	1,408	1,410	1,429	1,448	1,506	1,558	1,549	1,511	1,508
NASA Pasadena Office				14	15	17	71	79	77	78	67
Western Support Office ^b		193	228	213	212	203	141	79	82	78	
Other Western Offices ^c		9	10	10	9			55			
Subtotal A ^d		1,564	1,646	1,647	1,665	1,668	1,718	1,771	1,708	1,667	1,575
Langley Research Center		601	638	652	627	656	699	710	697	684	644
Ames Research Center		348	365	364	375	386	425	433	421	419	399
Lewis Research Center		656	682	710	722	710	743	732	710	678	645
Flight Research Center		94	95	98	93	99	106	104	102	102	97
Electronics Research Center		21	23	69	133	179	216	251	239	295	306
AEC-NASA Space Nuclear Propulsion Office		46	48	51	56	54	55	55	54	51	49
Subtotal B ^d		1,766	1,851	1,944	2,010	2,084	2,244	2,285	2,273	2,229	2,140
Goddard Space Flight Center		1,038	1,088	1,096	1,108	1,097	1,211	1,212	1,230	1,166	1,159
Wallops Station		100	113	106	107	107	112	116	121	121	118
Subtotal C ^d		1,138	1,201	1,202	1,215	1,204	1,323	1,328	1,351	1,287	1,277
Marshall Space Flight Center		1,903	2,124	2,141	2,184	2,227	2,345	2,356	2,358	2,267	2,051
Manned Spacecraft Center		1,044	1,246	1,406	1,371	1,386	1,453	1,503	1,536	1,450	1,439
John F. Kennedy Space Center, NASA		515	614	722	797	847	904	995	1,076	1,091	1,143
Subtotal D ^d		3,462	3,984	4,269	4,352	4,460	4,702	4,854	4,970	4,808	4,633
Total Personnel in Category		7,930	8,682	9,062	9,242	9,416	9,987	10,238	10,302	9,991	9,625

*See Introduction to this chapter for a full description of code groups and explanation for combining 500 and 600 code groups.

Notes: Notes are identical to Table A-III-8.

Source: See Table A-III-1. See Chapter 7 for a separate personnel summary for each Installation.

Table A-III-23. Administrative and Clerical Permanent Personnel (Code Groups 600 and 500) by NASA Installation
(Percent of NASA Total)*

Installation ^a	As of:	1963	1964		1965		1966		1967		1968
		12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30	12/31	6/30
Headquarters		17.2	16.2	15.6	15.5	15.4	15.1	15.2	15.0	15.1	15.7
NASA Pasadena Office				0.2	0.2	0.2	0.7	0.8	0.7	0.8	0.7
Western Support Office ^b		2.4	2.6	2.3	2.3	2.2	1.4	0.8	0.8	0.8	
Other Western Offices ^c		0.1	0.1	0.1	0.1			0.5			
Subtotal A ^d		19.7	19.0	18.2	18.0	17.7	17.2	17.3	16.6	16.7	16.4
Langley Research Center		7.6	7.3	7.2	6.8	7.0	7.0	6.9	6.8	6.8	6.7
Ames Research Center		4.4	4.2	4.0	4.1	4.1	4.2	4.2	4.1	4.2	4.1
Lewis Research Center		8.3	7.9	7.8	7.9	7.5	7.4	7.1	6.9	6.8	6.7
Flight Research Center		1.2	1.1	1.1	1.0	1.1	1.1	1.0	1.0	1.0	1.0
Electronics Research Center		0.3	0.3	0.8	1.4	1.9	2.2	2.5	2.8	3.0	3.2
AEC-NASA Space Nuclear Propulsion Office		0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5
Subtotal B ^d		22.3	21.3	21.5	21.7	22.1	22.5	22.3	22.1	22.3	22.2
Goddard Space Flight Center		13.1	12.5	12.1	12.0	11.7	12.1	10.9	11.9	11.7	12.0
Wallops Station		1.3	1.3	1.2	1.2	1.1	1.1	1.1	1.2	1.2	1.2
Subtotal C ^d		14.4	13.8	13.3	13.1	12.8	13.2	13.0	13.1	12.9	13.2
Marshall Space Flight Center		24.0	24.5	23.6	23.6	23.7	23.5	23.0	22.9	22.7	21.3
Manned Spacecraft Center		13.2	14.4	15.5	14.8	14.7	14.5	14.7	14.9	14.5	15.0
John F. Kennedy Space Center, NASA		6.5	7.1	8.0	8.6	9.0	9.1	9.7	10.4	10.9	11.9
Subtotal D ^d		43.7	45.9	47.1	47.1	47.4	47.1	47.4	48.2	48.1	48.1
Total Personnel in Category		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

*Percentages rounded to nearest tenth of one percent and thus may not add to totals.

Notes: Notes are identical to Table A-III-8.

Source: Table A-III-22.

Table A-11. Government Civil Service Positions by NASA Program

(Positions Budgeted for End of Fiscal Year)

Program ^a	1961 ^b	1962	1963	1964	1965	1966	1967	1968
Administrative Support	c	c	4,068	4,411	4,872	5,203	5,487	5,125
Research and Development Support	c	c	4,147	6,538	4,936	5,333	4,376	4,202
Other Support	c	c	445	472	1,092	1,143	920	899
Subtotal	c	c	8,660	11,421	10,900	11,679	10,783	10,226
Sustaining University Program		32	55	68	72	76	57	54
Technology Utilization		36	37	50	47	57	51	47
Tracking and Data Acquisition	1,053	1,007	698	851	780	1,241	976	958
Subtotal	1,053	1,075	790	969	899	1,374	1,084	1,059
Space Power / Electric Propulsion	594	1,856	922	804	931	902	948	925
Nuclear Rockets	910	901	626	530	774	676	409	198
Space Vehicle Systems	1,722	2,945	1,836	1,389	1,483	1,502	1,462	1,362
Electronics Systems		1,499	1,098	906	1,068	1,182	1,133	1,123
Aeronautics	2,744	1,984	1,530	1,394	1,513	1,775	2,118	2,270
Human Factor Systems		196	142	214	230	354	383	374
Chemical Propulsion	1,086	806	503	425	505	459	367	376
Basic Research			1,402	1,268	1,258	1,234	1,284	1,243
Subtotal	7,056	10,187	8,059	6,930	7,762	8,284	8,104	7,871
Space Applications	338	616	410	480	429	437	515	591
Launch Vehicle Development	440	1,024	615	340	265	132	182	
Lunar and Planetary Exploration	379	193	179	296	342	300	405	284
Physics and Astronomy	1,651	1,324	1,048	1,234	1,357	1,364	1,401	1,362
Bioscience		65	207	240	260	273	271	276
Launch Vehicle Procurement				324	317	510	445	476
Subtotal	2,808	3,222	2,459	2,914	2,970	3,016	3,219	2,989
Mercury	1,195	747						
Gemini		263	512	1,141	1,050	1,130	30	
Apollo	4,632	6,662	6,876	8,266	9,369	9,348	9,300	7,937
Apollo Applications						160	888	2,015
Other Manned Space Flight			548	343	250	262	318	325
Subtotal	5,827	7,672	7,936	9,750	10,669	10,906	10,536	10,277
Total, All Programs	16,744	22,156	27,904	31,984	33,200	33,924	33,726	32,422

Notes: ^aCorresponds quite closely to the Budget Line Item used for FY 1968. No data available prior to 1961.^bColumn only roughly comparable to subsequent columns due to organizational and program changes in November, 1961.^cSupport positions included in program totals. Program totals thus inflated when compared with subsequent years.

Source: Based on information supplied by the NASA Installation Analysis Branch, ER-2.

Table A-III-25. Present Civil Service Positions by NASA Program
(Percent of Total End of Fiscal Year Positions)

Program ^a	1961 ^b	1962	1963	1964	1965	1966	1967	1968
Administrative Support	c	c	14.6	13.8	14.7	15.3	16.3	15.8
Research and Development Support	c	c	14.9	20.4	14.9	12.9	13.0	13.0
Other Support	c	c	1.6	1.5	3.3	3.4	2.7	2.8
Subtotal	c	c	31.0	35.7	32.8	31.7	32.0	31.5
Sustaining University Program		0.1	0.2	0.2	0.2	0.2	0.2	0.2
Technology Utilization		0.2	0.1	0.2	0.1	0.2	0.2	0.1
Tracking and Data Acquisition		4.5	2.5	2.7	2.3	3.1	2.9	3.0
Subtotal	6.3	4.9	2.8	3.0	2.7	3.5	3.2	3.3
Space Power / Electric Propulsion		8.4	3.3	2.5	2.8	2.7	2.8	2.9
Nuclear Rockets		4.1	2.2	1.7	2.3	2.0	1.2	0.6
Space Vehicle Systems		13.3	6.6	4.3	4.5	4.4	4.3	4.2
Electronics Systems		6.8	3.9	2.8	3.2	3.5	3.4	3.5
Aeronautics		9.0	5.5	4.4	4.6	5.2	6.3	7.0
Human Factor Systems		0.9	0.5	0.7	0.7	1.0	1.1	1.2
Chemical Propulsion		3.6	1.8	1.3	1.5	1.4	1.1	1.2
Basic Research			5.0	4.0	3.8	3.6	3.8	3.8
Subtotal	42.1	46.0	28.9	21.7	23.4	23.8	24.0	24.3
Space Applications		2.8	1.5	1.5	1.3	1.3	1.5	1.8
Launch Vehicle Development		4.6	2.2	1.1	0.8	0.4	0.5	
Lunar and Planetary Exploration		0.9	0.6	0.9	1.0	0.9	1.2	0.9
Physics and Astronomy		6.0	3.8	3.9	4.1	4.0	4.2	4.2
Bioscience		0.3	0.7	0.8	0.8	0.8	0.8	0.9
Launch Vehicle Procurement				1.0	1.0	1.5	1.3	1.5
Subtotal	16.8	14.5	8.8	9.1	8.9	8.9	9.5	9.2
Mercury		3.4						
Gemini		1.2	1.8	3.6	3.2	3.3	0.1	
Apollo		30.1	24.6	25.8	28.2	27.6	27.6	24.5
Apollo Applications			2.0	1.1	0.8	0.5	2.6	6.2
Other Manned Space Flight						0.8	0.9	1.0
Subtotal	34.8	34.6	28.4	30.5	32.1	32.1	31.2	31.7
Total, All Programs	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Notes: Notes are identical to Table A-III-24.

Source: Table A-III-24.

Table A-III-1
NASA Employment, Selected Characteristics
(June 30 Approximations)

Item	1960	1961	1962	1963	1964	1965	1966	1967	1968 ^a
Contractor (Out of House) Employees	36,500	57,500	115,500	218,400	347,100	376,700	360,000	272,700	237,900
NASA (In House) Employees	10,200	17,500	23,700	29,900	32,500	34,300	36,000	36,200	32,400
Total Employment	46,700	75,000	139,200	248,300	379,600	411,000	396,000	309,100	270,300
Distribution of Total Employment									
By Employer (100%)									
Contractors	78.2	76.7	83.0	88.0	91.4	91.7	90.9	88.3	88.0
NASA	21.8	23.3	17.0	12.0	8.6	8.3	9.1	11.7	12.0
By Appropriation (100%)									
Administrative Operations					9.8	10.1	11.2	14.8	
Research and Development					72.7	77.2	77.7	78.3	
Construction of Facilities					17.5	12.7	11.1	6.9	
By Program Office (100%)									
University Affairs								1.6	
Technology Utilization					.1	.1	.2	.1	
Tracking and Data Acquisition					3.9	5.5	8.0	8.1	
Advanced Research and Technology					11.6	10.1	8.9	10.2	
Space Sciences and Applications					15.3	15.0	13.6	14.6	
Manned Space Flight					69.1	69.3	69.3	65.4	
By Sector (100%)									
Government					8.6	8.3	9.1	11.7	
Industry					90.0	90.0	88.8	85.4	
University and Non-profit					1.4	1.7	2.1	2.9	
Other Characteristics (100%) ^b									
Prime and Subcontractors - R&D					57.1	61.8	58.9	58.5	
Prime and Subcontractors - CoF					7.2	5.7	4.9	3.1	
Subtotal					64.3	67.5	63.8	61.6	
Materials and Supplies - R&D					14.2	13.7	12.5	10.3	
Materials and Supplies - CoF					10.3	7.1	6.2	3.8	
Subtotal					24.5	20.7	18.7	14.1	
Service Contractors - R&D							4.2	6.6	
Service Contractors - AO					1.2	1.7	2.1	3.1	
Subtotal					1.2	1.7	6.3	9.7	
University and Non-profit - R&D ^c					1.4	1.7	2.1	2.9	
NASA Employees - AO					8.6	8.3	9.1	11.7	

Notes: ^aEstimated.
^bBased on data from a variety of sources. See page 8 of "NASA Manpower Information Digest," January 26, 1968.
^cExcludes JPL and MIT.

Source: "NASA Manpower Information Digest" January 26, 1968, January 23, 1967, January 25, 1966 and February 16, 1965.

Table A-III-27. Scientists and Engineers Employment, Selected Characteristics
(June 30 Approximations)

Item	1960	1961	1962	1963	1964	1965	1966	1967	1968
Contractor Scientists and Engineers	7,300	12,600	25,000	48,200	68,800	72,600	77,400	64,800	
% of Contractor Employment	20.0	21.9	21.6	22.1	19.8	19.3	21.5	23.7	
NASA Scientists and Engineers	3,500	5,800	8,200	11,000	12,400	13,500	14,300	14,500	
% of NASA Employment	34.3	33.1	34.6	36.8	38.2	39.4	39.7	40.1	
Total Scientists and Engineers	10,800	18,400	33,200	59,200	81,200	86,100	91,700	79,300	
% of Total Employment	23.1	24.5	23.9	23.8	21.4	20.9	23.2	25.7	
Distribution of Total S&E's									
By Employer (100%)									
Contractors	61.6	68.5	75.3	81.4	84.7	84.3	84.4	81.7	
NASA	32.4	31.5	24.7	18.6	15.3	15.7	15.6	18.3	
By Appropriation (100%)					15.5	16.6	16.5	18.5	
Administrative Operations					82.8	81.8	82.5	81.1	
Research and Development					1.7	1.6	1.0	0.4	
Construction of Facilities									
By Program Office (100%)								0.5	
University Affairs					0.1	0.3	0.3	0.2	
Technology Utilization					4.6	4.7	6.5	6.8	
Tracking and Data Acquisition					14.3	12.5	10.2	11.5	
Advanced Research and Technology					19.0	17.2	14.6	16.8	
Space Sciences and Applications					62.0	65.3	68.4	64.2	
Manned Space Flight									
By Sector (100%)					15.3	15.7	15.6	18.3	
Government					81.9	81.2	81.8	78.3	
Industry					2.8	3.1	2.6	3.4	
University and Non-profit									
Other Characteristics (100%)					71.8	70.7	67.2	64.8	
Prime and Subcontractors (R&D)					1.7	1.6	0.5	0.4	
Prime and Subcontractors (CoF)							5.5	5.1	
Service Contractor - R&D					0.2	0.9	0.9	0.2	
Service Contractor - AO					8.1	7.9	7.3	5.6	
Materials and Supplies - R&D					2.8	3.1	2.6	3.4	
University and Non-profit - R&D ^b					15.3	15.7	15.6	18.3	
NASA Employees									

Notes: ^aBased on data from a variety of sources. See page 10 of "NASA Manpower Information Digest," January 26, 1968.
^bExcludes JPL and MIT.

Source: "NASA Manpower Information Digest" January 26, 1968, January 23, 1967, January 25, 1966 and February 16, 1965.