

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

POSITION RECORD

1. POSITION NO.

720534

2. NAME OF NASA ACTIVITY

Manned Spacecraft Center

3. DUTY LOCATION

Houston, Texas

Employee's Copy

4. ORGANIZATION (All breakdowns, in descending order)

FLIGHT CREW OPERATIONS DIRECTORATE
Astronaut Office
Flight D

5. CLASSIFICATION

a. NASA SPECIALTY TITLE AND CODE

AST, Life Sciences & Systems
705-01

b. CSC TITLE, SERIES AND GRADE

GS-1301-14

6. FUNCTIONAL
AND
PROGRAM/PROJECT CODES

D. NSF-FC

b. NASA-FC

C. NASA-PPC

7. DUTIES AND RESPONSIBILITIES

As a Scientist-Astronaut, serves as a member of a team or as an individual participant in a program of manned space flight with the primary purpose of attaining the necessary skills that could eventually lead to an assignment as a member of a flight crew. Incumbent is expected to accomplish flights and simulations to gain research data, and make evaluations on a variety of aerospace experiments. Incumbent will participate in a preflight preparation program for the purpose of training for participation in areas of actual flight activities. Incumbent may also be required to assist in planning scientific and medical experiments prior to manned space flight missions, and make scientific and medical observations during these missions. Incumbent will be expected to maintain proficiency in fixed aircraft on training flights in direct support of his overall preparation for space flight. Work is characterized by an intensive training program to gain new knowledge and experience in space sciences and technologies to provide input to the design of space vehicles for a variety of purposes as applicable to the missions of the space flight program.

As a crew member trainee, the incumbent may be assigned functions for training and development of crew capabilities in the operations for spacecraft development and flight programs. These may include, but are not limited to, the following duties:

8. OFFICIAL POSITION CERTIFICATION

THIS IS A COMPLETE AND ACCURATE DESCRIPTION OF POSITION

9. OFFICIAL CLASSIFICATION CERTIFICATION

a. TYPED NAME OF SUPERVISOR

Alan B. Shepard

d. TYPED NAME OF CLASSIFICATION OFFICER

for Duane L. Ross

c. SIGNATURE

f. DATE

b. SIGNATURE

c. DATE

10. ANNUAL POSITION CLASSIFICATION CERTIFICATION

11. DISTRIBUTION

a. SUPERVISOR
(Initials and date)b. CLASSIFICATION OFFICER
(Initials and date)

c. EMPLOYEE

d. PERSONNEL FOLDER

e. SUPERVISOR

f.

g.

h.

1. Incumbent serves as Scientist-Pilot for the Skylab Medical Experiments Altitude Test (SMEAT) Program. The SMEAT Program is comprised of a 56-day manned altitude chamber test to simulate Skylab flight conditions. The purpose of the program is to collect medical data for use in Skylab mission planning.

2. Reviews basic design criteria of the spacecraft systems and subsystems from an engineering, scientific, and medical standpoint for the purpose of adding substantially to vehicular reliability. Participates in the conception, development, installation, checkout, inflight operation, and postflight analysis of scientific and medical experiments and experimental equipment. May serve as a crew member in the design and systems development of onboard medical experiments.

3. Participates in simulated ground tests to determine the effects of G-forces, weightlessness, etc., on crew tolerance and efficiency, reflexes, and general physical conditions for the purpose of gathering data relevant to the development of the spacecraft environmental control systems.

4. Participates in prelaunch checkout of simulated and actual spacecraft flights as part of his training, and utilizes his engineering, scientific, and medical background to recommend changes in procedures to assure flight safety, crew comfort, elimination of unnecessary procedures, and functional checkouts.

5. May serve as a crew member on specific space flight missions. This requires the application of engineering, scientific, and medical background and training in numerous technical functions required in specific space flight programs.

6. Participates in the analysis of data resulting from space flights and preflight training. Supplements instrument data by application of engineering, scientific, or medical knowledge to enhance the value of analysis for further research and development.

7. Serves on special assignments during flights to coordinate the overall requirements to provide essential technical and scientific support and to provide ground/flight coordination. This function is performed as a part of the overall training program.

8. Serves as a consultant within the Astronaut Office in his own specialized area of scientific knowledge (MD, Ph.D. - Medicine). Maintains proficiency in and keeps abreast of new developments in his specialized area of scientific knowledge.

9. The incumbent is required to exercise considerable poise, judgment, and competence in the manner in which he conducts himself with associates, engineering, scientific, and medical personnel, the press, and public media. Because of his status and unique position within the national community, he must be thoroughly familiar with Agency and Center policy and be capable of interpreting same at any time. His position also dictates that he make numerous appearances before scientific and political groups, press conferences, and other public events. During these contacts, it is necessary that his action reflect creditability upon himself, the Agency, the Government, and the Nation.

Performs other duties as assigned.