ARCH00005164

KSC
KENNEDY SPACE CENTER, FLORIDA 32899
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

news release

RELEASE NO: KSC-330-69
FOR RELEASE: Immediate

July 3, 1969

APOLLO 11 FIRING ROOM MANNED BY 450 PERSONNEL

KENNEDY SPACE CENTER, Fla. -- The KSC Launch Team for Apollo 11 will include a nucleus of 450 technicians, engineers, test conductors and launch directors who will conduct the countdown and launch from Firing Room 1 of Complex 39's Launch Control Center.

From their firing room consoles the NASA-industry team members will bring together all phases of launch activity, culminating in the liftoff of Apollo 11 from Pad A.

Personnel assigned to Firing Room 1 include KSC-NASA organizations and representatives from Goddard Space Flight Center, Marshall Space Flight Center, Manned Spacecraft Center and NASA Headquarters.

Contractors with access or seating assignments include: Boeing, North American Rockwell, McDonnell Douglas, International Business Machine, Grumman, General Electric, Federal Electric, Radio Corporation of America, Chrysler Corporation, Bendix and Sanders Associates.

Firing Room 1 contains fourteen rows of display and control consoles where NASA officials and stage and support contractors monitor the pulse of the Apollo 11 moonship and receive information about conditions aboard the vehicle.

The firing room is also equipped with vertical recording and monitoring racks. A computer room contains additional personnel.

The firing room is organized to reflect the countdown and launch chain of command. It is a hierachy structure.

The first four rows of upper consoles are elevated to accommodate 68 NASA and contractor personnel with comprehensive responsibility including the launch director, test supervisors and test conductors. These key personnel work from their consoles while observing the busy activities on the main floor.

- more -

Seated at the first row of upper consoles from left to right are the following: Isom A. Rigell, Chief Engineer, KSC Launch Vehicle Operations; Lee B. James, MSFC Saturn V Program Manager; Andrew J. Pickett, Test Operations Manager, KSC Launch Vehicle Operations; Dr. Hans F. Gruene, Director, KSC Launch Vehicle Operations; Rocco A. Petrone, Director of KSC Launch Operations; Dr. Kurt H. Debus, Director, Kennedy Space Center; Walter J. Kapryan, Deputy Director of KSC Launch Operations; John J. Williams, Director, KSC Spacecraft Operations; George M. Low, MSC Apollo Program Manager and John W. King, KSC Public Affairs.

Firing room personnel seated in the second row of consoles are the following: R. E. Youmans, Chief Test Conductor, KSC Launch Vehicle Operations; N. M. Carlson, Test Conductor, KSC Launch Vehicle Operations; E. R. Bentti, Test Conductor, KSC Launch Vehicle Operations; W. H. Schick, Space Vehicle Test Supervisor, KSC Launch Operations; B. L. Grenville, Space Vehicle Test Supervisor, KSC Launch Operations; P. C. Donnelly, Launch Operations Manager, KSC Launch Operations; R. E. Moser, Test Planning, KSC Launch Operations; W. A. Fuller, TIE Space Vehicle Engineer, Boeing; J. F. Heard, Spacecraft Operations Test Conductor, KSC Spacecraft Operations; M. L. Martin, Spacecraft Test Manager, North American Rockwell; O. S. Gonzales, Assistant Spacecraft Test Manager, Grumman; J. D. Beeson, Spacecraft Operations Test Conductor, KSC Spacecraft Operations.

Apollo 11 launch team personnel assigned to the third row are J. H. Lundy, Senior Test Conductor, Boeing; J. Rogers, Test Conductor Engineer, Boeing; R. P. Verdier, Test Conductor, Boeing; W. R. Brown, Test Conductor Engineer, Boeing; T. E. Martin, S-II Test Conductor, North American Rockwell; E. L. Carpenter, Assistant Test Conductor, North American Rockwell; R. C. Shane, S-IVB Test Conductor, McDonnell Douglas; G. V. Barnum, Assistant S-IVB Test Conductor, McDonnell Douglas; R. C. Bulkley, Operations Engineer, IBM; T. R. Kitchens, Instrument Unit Test Conductor, IBM; E. C. Witt, Complex Manager, IBM; R. D. Brooks, Electrical Engineer, North American Rockwell; J. A. Gulsby, Sr., GSE Engineer, KSC Spacecraft Operations; D. C. Dunn, ACE Engineer, North American Rockwell; D. R. Moore, GSE ACE Engineer, KSC Spacecraft Operations; W. R. Pogue, MSC Astronaut Communicator; D. K. Slayton, MSC Astronaut Communicator; J. F. Battaglia, Launch Complex 39 Operations, KSC Spacecraft Operations; T. H. Lindsay, Jr., Command/Service Module-Launch Vehicle, KSC Integration Engineer; Dr. A. C. Harter, MSC Biomedical and Dr. H. S. Brownstein, NASA Headquarters Biomedical.

Twenty-six people stationed in the fourth row are N. E. Roseland, Electrical Networks, KSC Launch Vehicle Operations; F. G. Bryan, Engineering, KSC Launch Vehicle Operations; R. E. Lealman, Electrical G&C Systems, KSC Launch Vehicle Operations; L. E. Fannin, Mechanical & Propulsion Systems, KSC Launch Vehicle Operations; M. D. Edwards, Instrumentation, KSC Launch Vehicle Operations; D. R. Oswald, Quality Assurance, KSC Launch Vehicle Operations; W. C. Holmes, Launch Operations Site Manager, Boeing; J. J. Cully, Saturn V Program Manager, Boeing; A. C. Martin, S-II Operations Manager, North American Rockwell; H. Eaton, Jr., Saturn/Apollo Programs Director, McDonnell Douglas; G. M. Smith, Test Operations Manager, IBM; R. G. Young, Display Coordinator, KSC Technical Support; A. M. Koller, Jr., Technical Assistant, KSC Launch Vehicle Operations; the EIDOPHOR Controller, KSC Technical Support; Jo Ann Morgan, Chief Instrumentation Controller, KSC Technical Support; J. R. Smith, Alternate Instrumentation Controller, KSC Technical Support; J. R. Davenport, Communications Controller, KSC Technical Support; J. N. Barfus, Test Support Controller, KSC Technical Support; G. E. Artley, Chief Test Support Manager, KSC Technical Support; Raymond L. Clark, Director of KSC Technical Support; S. J. Evans, KSC Security; A. A. Carroll, KSC Security; R. E. Woods, KSC Safety; R. L. DeBendictis, System Safety, Bendix; F. M. Falkenberry, System Safety, Bendix and L. S. Eads, Air Force Eastern Test Range Superintendent of Range Operations, Pan American.

Seated in rows of consoles on the main floor of the firing room are contractor personnel organized by stage and major systems. Each row has 15 positions. Boeing mans one row of consoles for their S-IC stage, two rows of consoles for mechanical ground support equipment, and one row for propellants. Boeing has more than 140 assignments in the firing room.

North American Rockwell personnel are assigned to one row of S-II stage consoles and have some 60 firing room seats.

McDonnell Douglas monitors the S-IVB stage from their row, and has about 45 firing room assignments.

IBM has three rows of consoles on the main floor for the Instrument Unit, stabilization and guidance, and flight control. IBM will have about 90 personnel stationed in the firing room.

The visitors gallery and operations management room are glass partitioned areas overlooking the busy hub of activity. The vistors area is near the firing room entrance while the management room is on the other side.

A number of top NASA officials will participate in the Apollo 11 launch from the management operations room. Among those expected at NASA Headquarters are Dr. George E. Mueller, Associate Administrator for Manned Spaceflight; Lt. Gen. Sam L. Phillips, Apollo Program Director, Office of Manned Spaceflight; and Chester M. Lee, Apollo Program Deputy Director.

Others in the management room will include Dr. Wernher von Braun, Director of the Marshall Space Flight Center; Dr. Robert R. Gilruth, Director of the Manned Spacecraft Center is also invited. KSC officials in the management operations room will include Miles Ross, Deputy Director, Center Operations and Rear Adm. Roderick O. Middleton, Manager KSC Apollo Program Office.

- end -