





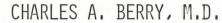






## Certificate of Award

Presented to



for his participation in the successful Apollo 15 Mission, July 26—August 7, 1971







Syt 15,1971

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Mission/Crew  Apollo 7  Walter H. Schirra Donn Eisele Walter Cunningham	Spacecraft Names Command Module Lunar Module	Dates		Flight Time (Hrs:Min:Sec)	Remarks
		Lift off: Splashdown:	10/11/68 10/22/68	260:8:45	First manned Apollo flight demonstrated the spacecraft, crew and support elements. All performed as required.
<b>Apollo 8</b> Frank Borman James A. Lovell, Jr. William Anders		Lift off: Splashdown:	12/21/68 12/27/68	147:00:41	History's first manned flight to the vicinity of another celestial body.
Apollo 9 James A. McDivitt David R. Scott Russell L. Schweickart	Gumdrop Spider	Lift off: Splashdown:	3/ 3/69 3/13/69	241:00:53	First all-up manned Apollo flight (with Saturn V and command, serv- ice, and lunar modules). First Apollo EVA. First docking of CSM with LM.
Apollo 10 Thomas P. Stafford John W. Young Eugene A. Cernan	Charley Brown Snoopy	Lift off: Splashdown:	5/18/69 5/26/69	192:03:23	Apollo LM descended to within 9 miles of Moon and later rejoined CSM. First rehearsal in lunar environment.
Apollo 11 Neil A. Armstrong Michael Collins Edwin E. Aldrin, Jr.	Columbia Eagle	Lift off: Splashdown:	7/16/69 7/24/69	195:18:35	First landing of men on the Moon. Total stay time: 21 hrs., 36 min.
Apollo 12 Charles Conrad, Jr. Richard F. Gordon, Jr. Alan L. Bean	Yankee Clipper Intrepid	Lift off: Splashdown:	11/14/69 11/24/69	244:36:25	Second manned exploration of the Moon. Total stay time: 31 hrs., 31 min.
Apollo 13 James A. Lovell, Jr. John L. Swigert, Jr. Fred W. Haise, Jr.	Odyssey Aquarius	Lift off: Splashdown:	4/11/70 4/17/70	142:54:41	Mission aborted because of service module oxygen tank failure.
Apollo 14 Alan B. Shepard, Jr. Stuart A. Roosa Edgar D. Mitchell	Kitty Hawk Antares	Lift off: Splashdown:	1/31/71 2/ 9/71	216:01:59	First manned landing in an exploration of lunar highlands. Total stay time: 33 hrs., 31 min.
Apollo 15 David R. Scott Alfred M. Worden James B. Irwin	Endeavour Falcon	Lift off: Splashdown: (s	7/26/71 8/ 7/71 scheduled)	295:12 (est.)	First use of lunar roving vehicle to transport astronauts over moon's surface. Expanded communications capabilities. Ground-commanded color television system could permit first live TV coverage of LM lift off from moon's surface. One space and four lunar EVAs scheduled. Est. total EVA time: 21 hours. Est. total stay time: 67 hours.

## **RCA contributions to the Apollo Program**

Ground-Commanded Color Television Assembly:

Color Television Camera Television Control Unit

**Lunar Communications Relay Unit** 

Laser Altimeter

LM Communications System

VHF Communications, LM-CSM

**Extra-Vehicular Communications** 

System (Backpack Radios)

**Erectable Antenna** 

Rendezvous Radar/Transponder

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**LM Landing Radar** 

**LM Descent Engine Control Assembly** 

**LM Attitude Translation Control Assembly** 

Will be used for first time on Apollo 15

Saturn Countdown Computers

**Tracking Radar Support for Apollo** 

**Black and White Television Cameras**