

RELEASE: 90-7

In the first of what will become standard biennial selections, 23 new astronaut candidates have been named for the Space Shuttle program.

The candidates were chosen from among 1,945 qualified applicants, 106 of whom received interviews and medical examinations between September and November 1989. They will report to the Johnson Space Center, Houston, in July to begin a year of training and evaluation, after which they will receive technical assignments leading to selection for Shuttle flight crews.

The 1990 group consists of 7 pilot candidates and 16 mission specialist candidates, including 11 civilians and 12 military officers. Among the 5 women selected are 3 military officers, including the first woman to be named as a pilot candidate, and the first Hispanic woman to be chosen. A listing of the candidates and biographical data follows.

A listing of the candidates and their birthplaces follow. A listing of the candidates and short biographical sketches are available from all NASA newsrooms.

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## 1990 ASTRONAUT CANDIDATES

Lcdr. Daniel W. Bursch Bristol, Pa.	U.S. Navy	Mission Specialist
Dr. Leroy Chiao Milwaukee, Wisc.	Civilian	Mission Specialist
Maj. Michael R.U. Clifford Norton AFB, Calif.	U.S. Army	Mission Specialist
Kenneth D. Cockrell Austin, Texas	Civilian	Pilot
Maj. Eileen M. Collins Elmira, N.Y.	U.S. Air Force	Pilot
Capt. William G. Gregory Lockport, N.Y.	U.S. Air Force	Pilot
Maj. James D. Halsell, Jr. Monroe, La.	U.S. Air Force	Pilot
Dr. Bernard A. Harris, Jr. Temple, Texas	Civilian	Mission Specialist
Capt. Susan J. Helms Charlotte, N.C.	U.S. Air Force	Mission Specialist
Dr. Thomas D. Jones Baltimore, Md.	Civilian	Mission Specialist
Maj. Wm. S. McArthur, Jr. Laurinburg, N.C.	U.S. Army	Mission Specialist
Dr. James H. Newman Trust Territory of the Pacific Islands	Civilian	Mission Specialist
Dr. Ellen Ochoa Los Angeles, Calif.	Civilian	Mission Specialist

Maj. Charles J. Precourt Waltham, Mass.	U.S. Air Force	Pilot
Capt. Richard A. Searfoss Mount Clemens, Mich.	U.S. Air Force	Pilot
Dr. Ronald M. Sega Cleveland, Ohio	Civilian	Mission Specialist

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Capt. Nancy J. Sherlock Wilmington, Del.	U.S. Army	Mission Specialist
Dr. Donald A. Thomas Cleveland, Ohio	Civilian	Mission Specialist
Dr. Janice E. Voss South Bend, Ind.	Civilian	Mission Specialist
Capt. Carl E. Walz Cleveland, Ohio	U.S. Air Force	Mission Specialist
Maj. Terrence W. Wilcutt Russellville, Ky.	U.S. Marine Corps	Pilot
Dr. Peter J. K. Wisoff Norfolk, Va.	Civilian	Mission Specialist
Dr. David A. Wolf Indianapolis, Ind.	Civilian	Mission Specialist

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BIOGRAPHICAL DATA  
1990 ASTRONAUT CANDIDATE CLASS

NAME: Daniel W. Bursch, Lt. Cmdr., USN, Mission Specialist  
 BIRTHPLACE/DATE: July 25, 1957 - Bristol, Penn.  
 RESIDENCE: Pacific Grove, Calif.  
 EDUCATION: Vestal Senior High School, Vestal, N.Y.  
 BS, Physics, US Naval Academy, 1979  
 CURRENT POSITION: Student, US Naval Postgraduate School  
 PARENTS: Mr. & Mrs. Donald D. Bursch, Charlotte, N.C.  
 MARITAL STATUS: Single. One child.

NAME: Leroy Chiao, Ph.D., Mission Specialist  
 BIRTHPLACE/DATE: August 28, 1960 - Milwaukee, Wis.  
 RESIDENCE: Danville, Calif.  
 EDUCATION: Monte Vista High School, Danville, Calif.  
 BS, Chemical Engineering, Univ. of California,  
 Berkeley, 1983  
 MS, Chemical Engineering, Univ. of California,  
 Santa Barbara, 1985  
 Ph.D., Chemical Engineering, Univ. of California,  
 Santa Barbara, 1987  
 CURRENT POSITION: Research Engineer, Lawrence Livermore  
 National Laboratory, Livermore, Calif.  
 PARENTS: Mr. and Mrs. Tsu Tao Chiao, Fairfield, Calif.  
 MARITAL STATUS: Single

NAME: Michael R. U. Clifford, Major, USA, Mission Specialist

BIRTHPLACE/DATE: October 13, 1952 - Norton AFB, Calif.  
RESIDENCE: Seabrook, Texas  
EDUCATION: Ben Lomond High School, Ogden, Utah  
BS, Basic Science, US Military Academy, 1974  
MS, Aerospace Engineering, Georgia Tech., 1982  
CURRENT POSITION: Vehicle Integration Test Engineer  
Johnson Space Center  
Houston, Texas  
PARENTS: John M. Uram, Deceased  
Lenore C. Clifford, Ogden, Utah  
MARITAL STATUS: Married to the former Nancy Elizabeth Brunson.

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NAME: Kenneth D. Cockrell, Pilot  
BIRTHPLACE/DATE: April, 9, 1950 - Austin, Texas  
RESIDENCE: Houston, Texas  
EDUCATION: Rockdale High School, Rockdale, Texas  
BS, Mechanical Engineering, Univ. of Texas, 1972  
MS, Aero Systems, Univ. of Florida, 1974  
U.S. Naval Test Pilot School, Patuxent River, Md.  
CURRENT POSITION: Aerospace Engineer & Research Pilot  
NASA/Johnson Space Center  
Houston, Texas  
PARENTS: Mr. & Mrs. Buford D. Cockrell, Westminster, S.C.  
MARITAL STATUS: Married to the former Joan Denise Raines.

NAME: Eileen M. Collins, Major, USAF, Pilot  
BIRTHPLACE/DATE: November 19, 1956 - Elmira, N.Y.  
RESIDENCE: Edwards, Calif.  
EDUCATION: Elmira Free Academy, Elmira, N.Y.  
BA, Math, Syracuse Univ., 1978  
MS, Operations Research, Stanford Univ., 1986  
MA, Space Systems Management, Webster Univ., 1989  
CURRENT POSITION: Student  
USAF Test Pilot School  
Edwards AFB, Calif.  
PARENTS: James E. Collins, Elmira, N.Y.  
Rose Marie Collins, Elmira, N.Y.  
MARITAL STATUS: Married to James P. Youngs

NAME: William G. Gregory, Captain, USAF, Pilot  
BIRTHPLACE/DATE: May 14, 1957 - Lockport, N.Y.  
RESIDENCE: Edwards, Calif.  
EDUCATION: Lockport Senior High School, Lockport, N.Y.  
BS, Engineering Science, USAF Academy, 1979  
MS, Engineering Mechanics, Columbia Univ., 1980  
MS, Management, Troy State, 1984  
CURRENT POSITION: Test Pilot  
Edwards AFB, Calif.  
PARENTS: Mr. & Mrs. William Gregory, Gilbert, Ariz.  
MARITAL STATUS: Married to the former Mary Elizabeth Harney.

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NAME: James D. Halsell, Jr., Major, USAF, Pilot  
BIRTHPLACE/DATE: September 29, 1956 - Monroe, La.  
RESIDENCE: Edwards AFB, Calif.  
EDUCATION: West Monroe High School, West Monroe, La.  
BS, Engineering, USAF Academy, 1978  
MS, Management, Troy State, 1983  
MS, Space Operations, AF Institute of Technology, 1985  
CURRENT POSITION: F-16 & SR-71 Test Pilot  
Edwards AFB, Calif.  
PARENTS: Mr. & Mrs. James D. Halsell, West Monroe, La.  
MARITAL STATUS: Single

NAME: Bernard A. Harris, Jr., M.D., Mission Specialist  
BIRTHPLACE/DATE: June 26, 1956 - Temple, Texas  
RESIDENCE: Houston, Texas  
EDUCATION: San Antonio High School, San Antonio, Texas  
BS, Biology, Univ. of Houston, 1978  
MD, Texas Tech Univ., 1982  
CURRENT POSITION: Medical Officer  
NASA/Johnson Space Center  
Houston, Texas  
PARENTS: Bernard A. Harris, Sr., Philadelphia, Penn.  
Gussie H. Burgess, San Antonio, Texas  
MARITAL STATUS: Married to the former Sandra Faye Lewis.

NAME: Susan J. Helms, Captain, USAF, Mission Specialist  
BIRTHPLACE/DATE: February 26, 1958, Charlotte, N.C.  
RESIDENCE: Alberta, Canada  
EDUCATION: Parkrose Senior High School, Portland, Ore.  
BS, Aerospace Engineering, USAF Academy, 1980  
MS, Aeronautics/Astronautics, Stanford Univ., 1985  
CURRENT POSITION: Flight Test Engineer  
Aerospace Engineering Test Establishment  
Alberta, Canada  
PARENTS: Mr. & Mrs. Patrick G. Helms, Albuquerque, N.M.  
MARITAL STATUS: Single

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NAME: Thomas D. Jones, Ph.D., Mission Specialist  
BIRTHPLACE/DATE: January 22, 1955 - Baltimore, Md.  
RESIDENCE: Fairfax, Va.  
EDUCATION: Kenwood Senior High School, Baltimore, Md.  
BS, Basic Sciences, USAF Academy, 1977  
Ph.D., Planetary Science, Univ. of Arizona, 1988  
CURRENT POSITION: Scientist  
CIA, Office of Research & Development  
Washington, DC  
PARENTS: Mr. & Mrs. David Jones, Essex, Maryland  
MARITAL STATUS: Married to the former Elizabeth Lynn Fulton.

NAME: William S. McArthur, Jr., Major, USA, Mission Specialist  
BIRTHPLACE/DATE: July 26, 1951 - Laurinburg, N.C.  
RESIDENCE: Houston, Texas  
EDUCATION: Red Springs High School, Red Springs, N. Car.  
BS, Applied Sci. & Engr., US Military Academy, 1973  
MS, Aerospace Engineering, Georgia Tech, 1983  
CURRENT POSITION: Vehicle Integration Test Engineer  
Johnson Space Center  
Houston, Texas  
PARENTS: William S. McArthur, Deceased  
Edith P. Avant, Wakulla, N. Car.  
MARITAL STATUS: Married to the former Cynthia Kathryn Lovin.

NAME: James H. Newman, Ph.D., Mission Specialist  
BIRTHPLACE/DATE: October 16, 1956 - Trust Territory of the  
Pacific Islands

RESIDENCE: Houston, Texas  
EDUCATION: La Jolla High School, La Jolla, Calif.  
BA, Physics, Dartmouth College, 1978  
MA, Physics, Rice Univ., 1982  
MS, Physics, Rice Univ., 1984  
CURRENT POSITION: Simulation Supervisor  
NASA/Johnson Space Center  
Houston, Texas  
PARENTS: William A. Newman, La Jolla, Calif.  
Ruth A. Newman, La Jolla, California  
MARITAL STATUS: Single

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NAME: Ellen Ochoa, Ph.D., Mission Specialist  
BIRTHPLACE/DATE: May 10, 1958 - Los Angeles, Calif.  
RESIDENCE: Los Altos, Calif.  
EDUCATION: Grossmont High School, La Mesa, Calif.  
BS, Physics, San Diego State, 1980  
MS, Electrical Engineering, Stanford Univ., 1981  
Ph.D., Electrical Engineering, Stanford Univ., 1985  
CURRENT POSITION: Optical Physicist  
NASA/Ames Research Center  
Moffett Field, Calif.  
PARENTS: Joseph L. Ochoa and  
Rosanne Ochoa, La Mesa, Calif.  
MARITAL STATUS: Single

NAME: Charles J. Precourt, Major, USAF, Pilot  
BIRTHPLACE/DATE: June 29, 1955 - Waltham, Mass.  
RESIDENCE: Middletown, R.I.  
EDUCATION: Hudson High School, Hudson, Mass.  
BS, Aeronautical Engineering, USAF Academy, 1977  
MS, Management, Golden Gate U., 1988  
CURRENT POSITION: Student  
Naval War College of Command and Staff  
Newport, R.I.  
PARENTS: Mr. & Mrs. Charles A. Precourt, Hudson, Mass.  
MARITAL STATUS: Married to the former Lynne Denise Mungle

NAME: Richard A. Searfoss, Major, USAF, Pilot  
BIRTHPLACE/DATE: June 6, 1956 - Mount Clemens, Mich.  
RESIDENCE: Lancaster, Calif.  
EDUCATION: Portsmouth Senior High School, Portsmouth, N.H.  
BS, Aerospace Engineering, USAF Academy, 1978  
MS, Aerospace Engineering, Caltech, 1979  
CURRENT POSITION: Instructor/Deputy Chief-Flying Qualities  
USAF Test Pilot School  
Edwards AFB, Calif.  
PARENTS: Stanley G. Searfoss, Lakeland, Fla.  
Mary K. Searfoss, Deceased  
MARITAL STATUS: Married to the former Julie McGuire

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NAME: Ronald M. Segal, Ph.D., Mission Specialist

BIRTHPLACE/DATE: December 4, 1952 - Cleveland, Ohio  
RESIDENCE: Seabrook, Texas  
EDUCATION: Nordonia High School, Macedonia, Ohio  
BS, Physics/Math, USAF Academy, 1974  
MS, Physics, Ohio State, 1975  
Ph.D., Electrical Engineering, Univ. of Colorado, 1982  
CURRENT POSITION: Asst. Director for Flight Programs/Professor  
Univ. of Houston-Space Vacuum Epitaxy Center  
Houston, Texas  
PARENTS: Mr. & Mrs. John R. Sega, Arvada, Colo.  
MARITAL STATUS: Married to Bonnie J. Dunbar

NAME: Nancy J. Sherlock, Captain, USA, Mission Specialist  
BIRTHPLACE/DATE: December 29, 1958 - Wilmington, Del.  
RESIDENCE: Houston, Texas  
EDUCATION: Troy High School, Troy, Ohio  
BA, Biological Science, Ohio State, 1980  
MS, Safety Engineering, Univ of Southern CA., 1985  
CURRENT POSITION: Flight Simulation Engineer  
Johnson Space Center  
Houston, Texas  
PARENTS: Mr. & Mrs. Warren F. Decker, Troy, Ohio  
MARITAL STATUS: Married to Richard J. Sherlock

NAME: Donald A. Thomas, Ph.D., Mission Specialist  
BIRTHPLACE/DATE: May 6, 1955 - Cleveland, Ohio  
RESIDENCE: Seabrook, Texas  
EDUCATION: Cleveland Heights High School, Cleveland, Ohio  
BS, Physics, Case Western Univ., 1977  
MS, Materials Science, Cornell Univ., 1980  
Ph.D., Materials Science, Cornell Univ., 1982  
CURRENT POSITION: Materials Engineer  
NASA/Johnson Space Center  
Houston, Texas  
PARENTS: William G. Thomas, Sr., Englewood, Fla.  
Irene M. Thomas, American Embassy, Burma  
MARITAL STATUS: Married to the former Kristine R. Castagnola

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NAME: Janice E. Voss, Ph.D., Mission Specialist  
BIRTHPLACE/DATE: October 8, 1956 - South Bend, Ind.  
RESIDENCE: Houston, Texas  
EDUCATION: Minnechang Regional High School, Wilbraham, Mass.  
BS, Engineering Science, Purdue Univ., 1975  
MS, Electrical Engineering, MIT, 1977  
Ph.D., Aero/Astronautics, MIT, 1987  
CURRENT POSITION: Manager, Integrations & Operations  
Orbital Sciences Corp.  
Houston, Texas  
PARENTS: Mr. & Mrs. James R. Voss, Wilbraham, Mass.  
MARITAL STATUS: Single

NAME: Carl E. Walz, Captain, USAF, Mission Specialist  
BIRTHPLACE/DATE: September 6, 1955 - Cleveland, Ohio  
RESIDENCE: Henderson, Nev.  
EDUCATION: Charles T. Brush High School, Lyndhurst, Ohio  
BS, Physics, Kent State, 1977  
MS, Physics, John Carroll Univ., 1979  
CURRENT POSITION: Flight Test Program Manager  
Air Force Flight Test Center  
Pittman Station, Nevada  
PARENTS: Mr. & Mrs. Carl J. Walz, South Euclid, Ohio  
MARITAL STATUS: Married to the former Pamela J. Glady

NAME: Terrence W. Wilcutt, Major, USMC, Pilot  
BIRTHPLACE/DATE: October 31, 1949 - Russellville, Ky.  
RESIDENCE: NAS Patuxent River, Md.

EDUCATION: Southern High School, Louisville, Ky.  
BA, Math, Western Kentucky Univ., 1974  
CURRENT POSITION: Test Pilot/Project Officer  
NAS Patuxent River, Maryland  
PARENTS: Mr. & Mrs. George B. Wilcutt, Russellville, Ky.  
MARITAL STATUS: Married to the former Robin Jo Moyers

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NAME: Peter J. K. Wisoff, Ph.D., Mission Specialist  
BIRTHPLACE/DATE: August 16, 1958 - Norfolk, Va.  
RESIDENCE: Houston, Texas  
EDUCATION: Norfolk Academy, Norfolk, Va.  
BS, Physics, Univ. of Virginia, 1980  
MS, Physics, Stanford Univ., 1982  
Ph.D., Applied Physics, Stanford Univ., 1986  
CURRENT POSITION: Asst. Professor  
Rice University  
Dept. of Electrical & Computer Engineering  
Houston, Texas  
PARENTS: Mr. & Mrs. Carl P. Wisoff, Norfolk, Va.  
MARITAL STATUS: Single

NAME: David A. Wolf, M.D., Mission Specialist  
BIRTHPLACE/DATE: August 23, 1956 - Indianapolis, Ind.  
RESIDENCE: Houston, Texas  
EDUCATION: BS, Electrical Engineer, Purdue Univ., 1978  
M.D., Indiana Univ., 1982  
CURRENT POSITION: Aerospace Medical Officer  
NASA/Johnson Space Center  
Houston, Texas  
PARENTS: Harry Wolf, Indianapolis, Ind.  
Dorothy Wolf, Indianapolis, Ind.  
MARITAL STATUS: Single

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