

1/17/90: 1990 ASTRONAUT CANDIDATES SELECTED

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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