



Biographical Data

Lyndon B. Johnson Space Center

Houston, Texas 77058

**National
Aeronautics
and
Space
Administration**

YVONNE DARLENE CAGLE, M.D. (COLONEL, USAF, RET.)

SPACE AND LIFE SCIENCES DIRECTORATE

JOHNSON SPACE CENTER

PERSONAL DATA: Born in West Point, New York, but considers Novato, California, to be her hometown. Enjoys jigsaw puzzles, juggling, skating, hiking, music, writing, public speaking, and historical novels.

EDUCATION: Novato High School Novato, California, in 1977; received a bachelor of arts degree in biochemistry from San Francisco State University in 1981, and a doctorate in medicine from the University of Washington in 1985. Transitional internship at Highland General Hospital, Oakland, California, in 1985. Received certification in Aerospace Medicine from the School of aerospace medicine at Brooks Air Force Base, Texas, in 1988. Completed residency in family practice at Ghent FP at Eastern Virginia Medical School in 1992. Received certification as a senior aviation medical examiner from the Federal Aviation Administration in 1995.



ORGANIZATIONS: Boys and Girls Club; Aerospace Medical Association; Third Baptist Church. American Academy of Family Physicians.

AWARDS: Outstanding Young Women of America; National Defense Service Medal; Air Force Achievement Medal; United States Air Force (USAF) Air Staff Exceptional Physician Commendation; National Technical Association Distinguished Scientist Award; Commendation Marin County Board of Supervisors; Commendation Novato School Board.

EXPERIENCE: Dr. Cagle's medical training was sponsored by the Health Professions Scholarship Program, through which she received her commission as an officer with the United States Air Force, and subsequently was awarded her board certification in family practice. During her initial active duty tour at Royal Air Force Lakenheath, United Kingdom, she was selected to attend the School of Aerospace Medicine at Brooks Air Force Base, Texas. In April 1988, she became certified as a flight surgeon logging numerous

hours in a diversity of aircraft. She was actively involved in mission support of aircraft providing medical support and rescue in a variety of aero-medical missions.

From 1994 to 1996, Dr. Cagle served as the Deputy Project Manager for Kelsey-Seybold Clinics, practicing as an occupational physician at the NASA-JSC Occupational Health Clinic. In addition to conducting job-related exams, routine health screenings, and providing acute care for on-site injuries and illness; she designed the medical protocols and conducted the screenings for select NASA remote duty operations.

Dr. Cagle is currently a Management Astronaut facilitating strategic partnerships in commercial, academic, and DOD sectors. Dr Cagle is a consulting professor for Stanford University's Dept of Cardiovascular Medicine to the Department of Electrical Engineering and has conducted and published research on various biotechnologies. Dr. Cagle is on the Advisory Committee for the TMC National Center for Human Performance. She is also a Clinical Assistant Professor at UTMB, Galveston, and has served on the Volunteer Family Practice Clinical Faculty at the University of California, Davis, California. While with the USAFR, she was assigned to the Pentagon Flight Medicine/Special Mission Clinic. Dr. Cagle has served as a certified FAA Senior Aviation Medical Examiner and has been ACLS Instructor qualified.

NASA EXPERIENCE: During May 1989, while a flight surgeon assigned to the 48th Tactical Hospital, United Kingdom, Dr. Cagle volunteered to serve as the Air Force Medical Liaison Officer for the STS-30 Atlantis Shuttle Mission to test the Magellan Spacecraft. She was assigned to the Trans Atlantic (TAL) landing site at Banjul, West Africa, to provide emergency rescue and evacuation of the shuttle crew should it have been required. Dr. Cagle has contributed on-going data to the Longitudinal Study on Astronaut Health, and served as a consultant for space telemedicine. She was a member of the NASA Working Group and traveled to Russia to establish international medical standards and procedures for astronauts. She also conducted health screenings of Mir-18 consultants from the Russian Federation.

Selected by NASA in April 1996, Dr. Cagle reported to the Johnson Space Center in August 1996. She completed two years of training and evaluation, and is qualified for flight assignment as a mission specialist. Initially assigned to the Astronaut Office

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Operations Planning Branch, supporting Shuttle and Space Station, followed by a special assignment to NASA's Ames Research Center. Dr. Cagle served as the lead ARC Astronaut Science Liaison and Strategic Relationships Manager for Google and other Silicon Valley Programmatic Partnerships. Dr. Cagle's groundbreaking work is preserving historic NASA space legacy data while, simultaneously, galvanizing NASA's lead in global mapping, sustainable energies, green initiatives, and disaster preparedness. Dr. Cagle is advisor for the Commercial Reusable Suborbital Research Program (CRuSR). Currently Dr. Cagle is on faculty and serves as the NASA liaison for exploration and space development with Singularity University.