

Headline Highlights

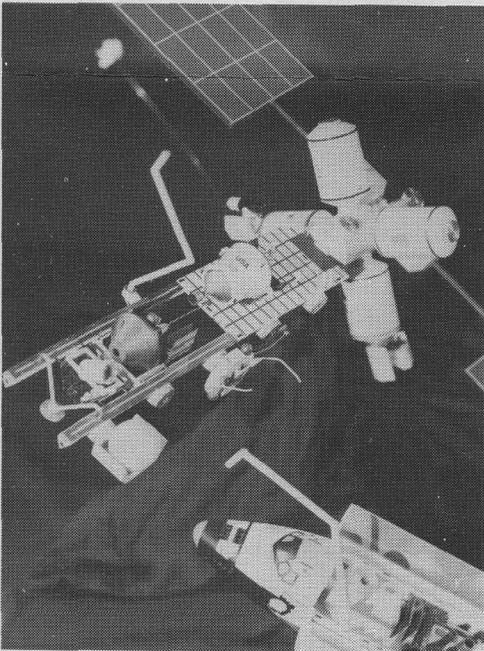
Langley Accomplishments were Many During 1984

JANUARY

Vosteen Heads Materials Division . . . Twenty Employees Retire from Langley . . . Discretionary Fund Wants Researchers to 'Take a Flyer' . . . Langley Shares NASA EO Trophy . . . Thompson Fellowship Offers Research Opportunity . . . NASA Reshapes Turboprops to Extend Fuel Saving . . . Spacelab 4 Scientists Named . . . Syvertson Retires from Ames . . . NASA to Have Record Breaking 1984 Launch Schedule . . . Junior Achievement Participation Urged.

FEBRUARY

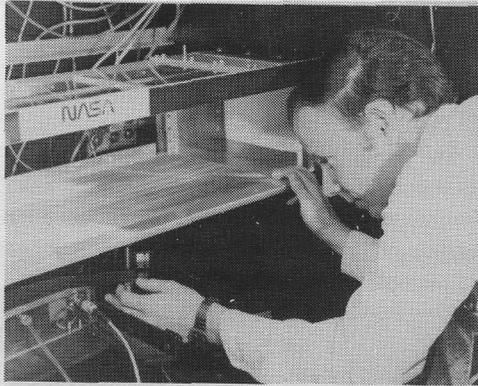
Space Station Called 'Langley Research Center' in Space . . . Space Station Model Built at Langley . . . NASA Budget . . . Hook Addresses Space Station Design . . . Swain is NASA Engineer of the Year . . . Polhamus Awarded Wright Brothers Lectureship in Aeronautics . . . Martin Named Head of NASA OAST . . . Ballhaus Named Ames Director . . . Plans for Day Care Center Move Ahead . . . National Engineers Week Set for Feb. 19-25 . . . Black History Month Celebrated . . . Johnson Named Lead NASA Center for Space



Station . . . Shuttle Orbiter Makes First Landing at KSC . . . MATHCOUNTS Competition Set for Tomorrow . . . Jackson Named HSAD Assistant Chief . . . Electronic Advances Used for 'Desk Top' Cockpit Simulator . . . Orbiter Columbia Undergoes Modification . . . Kinard Presents LDEF Program . . . STS- 11: Perfect Launch, Untethered Space Walks.

MARCH

LDEF to Carry International Research Exper-



iments . . . Levine to Speak at Langley Colloquium . . . Queens Lake Wins Regional MATHCOUNTS Competition . . . NASA to Fly Canadian as Shuttle Payload Specialist . . . NASA Research Finds Aircraft Surface Grooves May Tame Turbulence . . . LDEF Staff to be at KSC and JSC for Launch . . . Space Station Office Formed; Walberg Goes to Headquarters . . . Langley to Host Shuttle Student Conference . . . NTA Holds Student Symposium . . . Langley Receives Equal Opportunity Trophy . . . 1984 Savings Campaign Underway . . . Five Groups Receive First Quality Circle Awards.

APRIL

Eleventh Space Shuttle Mission Begins Today . . . Young Receives 1984 AIAA Ground Testing Award . . . Moore to Direct Space Flight Program; Abrahamson Goes to DOD . . . NASA Langley Inventors Honored at Luncheon . . . Regional MATHCOUNTS Competition Winners . . . Trashburner Dioxin Study Completed . . . Fisher to Discuss Lightning Research at AIAA Meeting . . . AEROVAN II Departs on First Journey . . . Shuttle 41-C Successfully Deploys LDEF; Repairs Solar Max . . . Davenport Named Chief of Fabrication Division . . . High School Co-op Wins FBLA Regional Award . . . Barker is 'Proud Pop'.

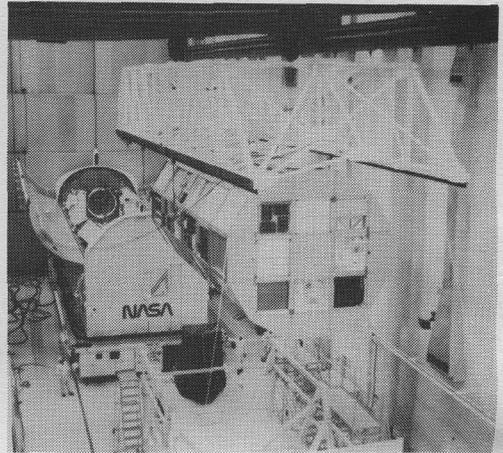
MAY

Langley Tapped to Support Space Station . . . Storaasli and Somers Receive Thompson Fellowships . . . Kirby Named Assistant Director for Management Operations . . . Canadian Payload Specialists Named . . . Coles to Discuss 'Education-The Role of Family and Community' . . . Langley Receives Samurai Sword . . . 'Small Business is Our Business' at Langley . . . Asian, Pacific American Heritage Week Set . . . Bower, Petersen Elected AIAA Directors . . . Viking I Lander Transferred to Smithsonian . . . Abrahamson Bids Farewell to NASA . . . AIAA Holds Annual

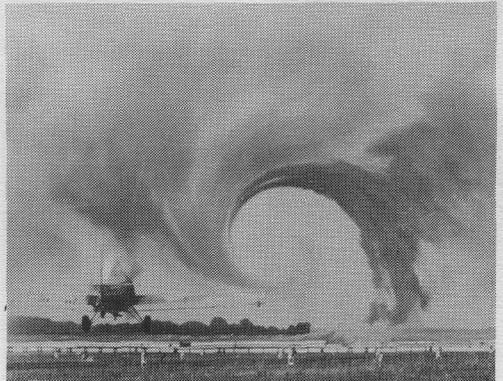
Awards Banquet . . . Whipple is New Assistant Chief, FD . . . Johnson Wins Young Woman of the Year Competition . . . Salley Selected Master of the Godspeed.

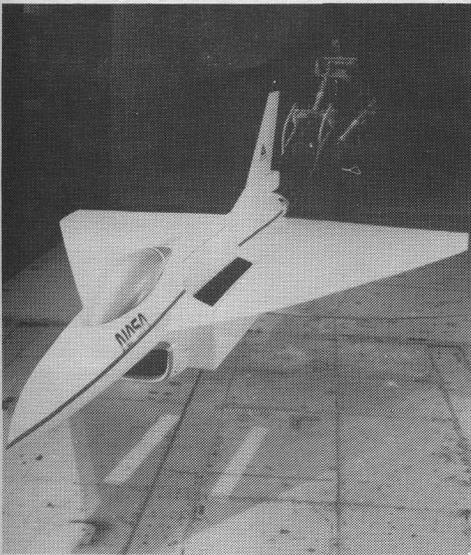
JUNE

Crippen, Hart Recap Shuttle Mission and LDEF Deployment . . . Adams Appointed Chief, PRD . . . Hearth Named to High-Tech Board . . . Johnson, First Runner-Up in State Compe-



titution . . . Initial Results Revealed at Spacelab I Symposium . . . Laura Taber Barbour Air Safety Award Presented . . . Jones' Photographs Featured in Exhibit . . . Langley Retiree Dies in Plane Crash . . . Shuttle Seconds and Thirds Exciting, Too! . . . Mark Accepts New Post at University of Texas System . . . Langley Hosts Graduate Workshop . . . Langley Assists in Solar Array Experiment on 41-D . . . Crippen, Hart Meet Staff Who Built LDEF . . . 1984 ASEE Summer Faculty Fellows Arrive . . . Lee Named Omega Man of the Year . . . IRD Assistant Chief Announces Retirement . . . Langley Receives Award for Lightning Research Efforts . . . Mission 41-D Postponed . . . Rew Named Fellow in NCMA . . . High School Students Learn and Earn at Langley This Summer . . . Smith to Speak on Soviet Space Program





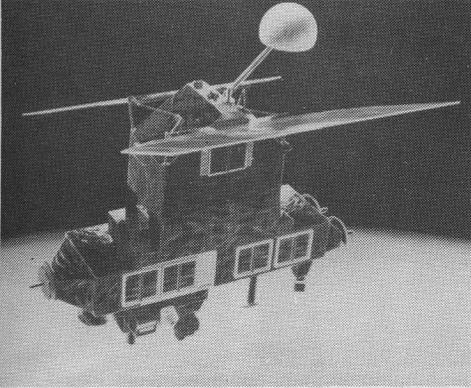
...General Aviation Conference Set ...NASA Works to Improve Aerial Applications of Chemicals ...NASA Chooses 17 Astronaut Candidates ...Langley Hosts Governor's School for the Gifted ...Langley-FAA Data Systems Flies at Dryden.

JULY

Space Station Definition and Design Studies Assigned to Four NASA Center ...NASA May Combine Missions 41-D and 41-F ...General Aviation Award Goes to Langley Researcher ...NASA Provides Speakers, Exhibits in EAA Air Show ...SSIP National Finalists Selected from Langley's Region ...Tenney Participates in Harvard's Managerial Program ...Dr. George Low, Former Deputy Administrator, Dies ...Hearth Praises Low ...Two Langley Managers Get Assistant Division Chief Posts.

AUGUST

NASA Headquarters Space Station Office Established; Personnel Selected to Fill Other Positions ...Aircraft Landing Dynamics Facility Modification ...NASA Working Toward International Participation in Space Station ...Langley Space Flight Experiment Office Established



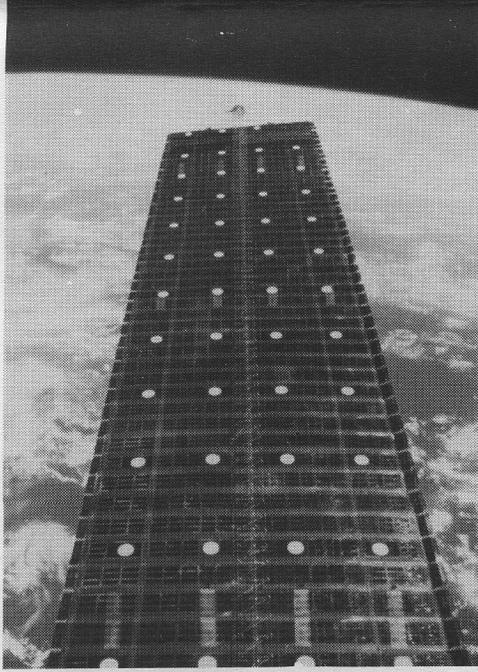
...His Work is Olympic Caliber ...Langley Sets Challenging CFC Goal of \$225,000 ...South Selected as Langley's Chief Scientist ...Laser Technology Used to Improve Aircraft Design ...Discovery's Maiden Voyage to Begin August 29 ...Huckins to Attend Harvard's Management Development Program.

SEPTEMBER

NASA To Hold NTF Honor Awards Ceremony ...Hispanic Americans Honored ...Discovery Roars from Earth on Maiden Voyage ...Stack to Participate in Simmons Program for Women Managers ...Von Baeyer to Discuss Nuclear Accelerator Facility ...NASA's Work-Platform Studies May Lead to Real Space Construction ...NASA to Fly Educator on Shuttle Mission ...Langley Payloads Nearly Fill Next Shuttle Flight ...Langley Marks Handicapped Week ...NASA Holds Space Station Conference ...Space Station Model Takes Tour ...Productivity Growth, One of NASA's Principal Goals ...Gillam to Head NASA's Office of Commercial Programs.

OCTOBER

Mission 41-D Revisited ...Challenger's Sixth Flight Highlights Earth Science ...NASA will



Retrieve Two Satellites on 51-A Shuttle Mission ...Hampton Firm to Manage Visitor Center ...Quality Circles Increase ...NASA, AIAA Sponsor Aeroacoustics Conference ...Basford Named to ASME Committee ...Handicapped Week Events at Langley ...Minority Enterprise Development Week Set ...Challenger Com-



pletes Work-Filled Eight-Day Mission ...Hearth to Receive Alumni Award ...Management Operations Personnel Take One-Year Assignments ...Air Force Officer Joins NASA-Langley Lightning Seekers for Short Tour ...Langley Women Saluted During Federal Women's Week ...Norfolk School System Awarded Space for Shuttle Experiment ...Langley Celebrates National Handicapped Week ...Langley Holds Welding, Bonding and Fastening Symposium.

NOVEMBER

Langley Apprentices Graduate ...NASA Honors Employees at Awards Ceremony ...CFC Over the Top ...Shuttle Will Pick Up Satellites ...Astronaut Crippen Given Additional Duties ...Norfolk Schools Awarded 'Getaway Special' ...Jones Participates in NASA's SES Program ...Kivett Designated Assistant Chief, Acquisition Division ...Second Earth Radiation Budget Instruments to be Launched ...Shuttle to Deliver, Pick Up Satellites ...Shuttle Mission 14 to Retrieve Satellites ...NTF Goes to Aeronautics ...Langley Staff Members Receive Advanced Degrees ...Langley Honors Hispanics.

DECEMBER

Hearth Announces Departure as Director; Petersen Will Succeed ...Discovery Completes Retrieval; ...NASA Holds Large Space Antenna Systems Conference ...NASA Program Advancing Composite Flight Research ...NASA Seeks Teacher for Early 1986 Shuttle Mission ...NOAA-F Launch Rescheduled ...Klate Holt Apprentices Graduate ...Wright Brothers Featured at Visitor Center ...LAA Executive Board Elected ...Friend Heads Langley Exchange ...Hearth Bids Farewell to Langley, Peninsula, Virginia; Accepts University of Colorado Post ...Langley's ERBE-II Still Earth-Bound ...Paul Holloway Named Langley Deputy Director ...VPI and NASA: Partners from the Beginning ...Langley Analyzing Transport Impact Data ...Simian Space Pioneer Passes On ...Kinard Gets Honorary Doctor's Degree.