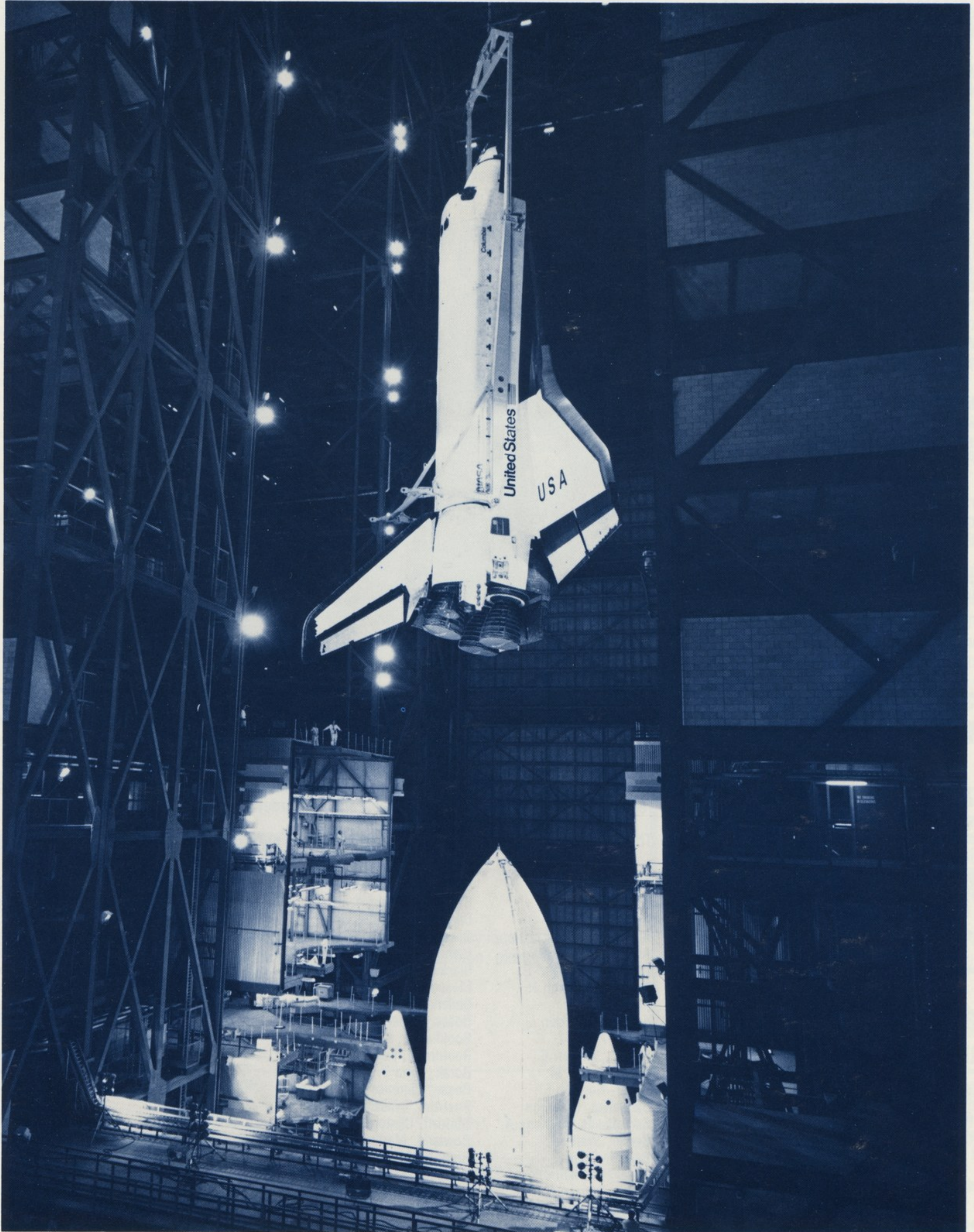




NUMBER 12/1981

MARTIN MARIETTA
news
DENVER AEROSPACE



Osmonds to appear at 25th anniversary concert

The Osmonds will appear in concert to highlight the 25th anniversary celebration of Martin Marietta in Denver, Saturday, September 26.

Neil Sedaka, previously scheduled to appear, cancelled his appearance for personal reasons.

Joining Donny and Marie Osmond on stage will be their brothers, Alan, Wayne, Merrill, Jay, and Jimmy Osmond.

The Osmond family has been entertaining millions for 20 years.

The Osmonds have become an American show business legend, as much for their unwavering commitment to strong family ties and their dedication to wholesome family entertainment as for their unending energy and musical talent.

Basing their musical careers on their family performances at home, Alan, Wayne, Merrill, and Jay were discovered performing barbershop quartet routines by a Disney talent scout. As the Osmond brothers, they soon became regulars on the Andy Williams and Jerry Lewis television shows. Donny joined them in 1969.

Marie and Jimmie Osmond joined the group on a regular basis in the early 70s, a decade of continued success in television, motion pictures, and records.

The Osmonds have 11 gold albums, 10 gold singles, and two platinum singles, and have performed to SRO engagements world-wide.

McNichols Arena doors will open at 6:00 pm, with a buffet dinner served from arena concessions and auxiliary stands. The Osmonds will appear at 7:45 pm.



Donny Osmond



Marie Osmond



The Osmond Brothers

On the cover

The orbiter Columbia was mechanically mated to the external tank August 12 at Kennedy Space Center. In preparation for the second Space Shuttle mission, tests were conducted to verify that the external tank, orbiter, and solid rocket booster systems function together properly.

CU master's program continues

The aerospace engineering program leading to a master of science degree from the University of Colorado will continue with the course, Aero 556, Spacecraft Design, taught by Charles D. Brown.

Classes will be held Tuesdays and Thursdays from 4:00 to 5:30 pm, beginning September 3. For information, call Bette Wooster, Ext. 5698.

293 to receive special recognition

The 293 employees who have worked for Martin Marietta in Denver for 25 years will receive special recognition at the 25th anniversary celebration Saturday, September 26 at McNichols Arena.

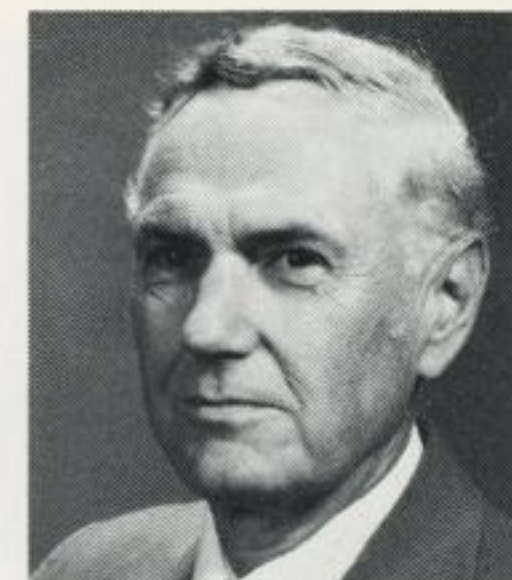
The honorees, all listed here, will have special seating at the concert which features the Osmonds.

Aadrup, John W.	Bennett, Fred R. Jr.	Bull, Harry C.	Damstedt, George
Adams, Henry M.	Benway, George A. Jr.	Bunnell, Harry T.	Darrow, Eugene A.
Alexus, Elmer	Bergman, Callistus C.	Burridge, James L.	Davidson, David L.
Allison, Marion L.	Berns, Francis E.	Carnahan, Charles E.	Davis, Melvin R.
Amorose, Fred W.	Bishop, Glick U.	Cary, Robert C.	Dawson, Frederick W.
Amrein, Raymond E.	Blackwell, Elmo H.	Chadbourne, Norman C.	De Carlo, Jerry
Andersen, Myron H.	Bledsoe, John A.	Clark, Ralph S.	Dewitt, Paul F.
Antriillo, Paul	Bollendonk, Walter W.	Clas, Edward A.	Dion, Trudy B.
Armstrong, Elden L.	Bolles, Robert B.	Claxton, Cleve F.	Dohner, E.B.
Arndt, Arthur L.	Bookhamer, Kenneth M.	Coan, John P.	Dowe, William H.
Arnold, William G.	Boothroyd, Kermit J.	Coffman, Harold H.	Dreiz, Wilbert A.
Bain, Edward M.	Borak, John T.	Cole, Albert E. Jr.	Dunbar, Reed M.
Baker, Norman E.	Bosse, Clarence A.	Collins, William B.	Duvall, George L.
Bankhead, Solomon	Bostrom, William H.	Cook, Earl H.	Eberle, William C. Jr.
Barkauskas, Anthony A.	Bottoff, Clinton E.	Cook, Mary A.	Edwards, Dean
Barker, Walter F.	Bowland, Martin D.	Cook, Thomas E.	Emerson, George W.
Bassett, John E.	Brebner, Marilyn J.	Corbin, William D.	Englen, C. Gerald
Bauer, Herman J.	Bridges, Hilbert P.	Coston, Ted J.	Ensor, R. Cal
Beery, Warren G.	Brinck, Earle W.	Councell, Thomas N.	Farmer, Lonnie L.
Bembenek, Robert E.	Brouillet, David L.	Cridlebaugh, Ronald W.	Fedec, Paul S.
Bennett, Charles O.	Bryant, Marvin E.	Dabkowski, Leon S.	(see next page)

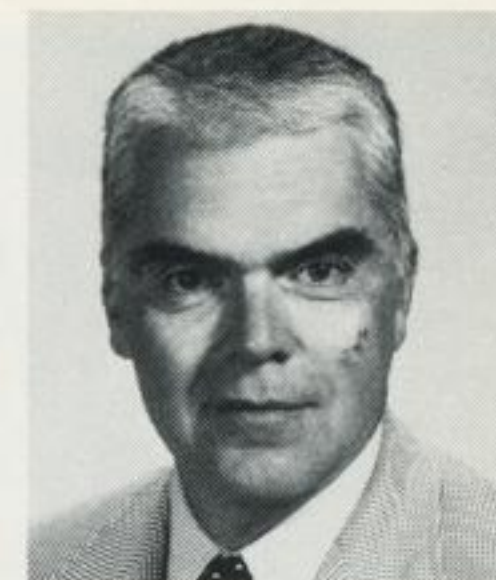
293 to receive special recognition

(from preceding page)

Finer, Sam J.	Johancen, Thomas W.	Oberle, Joseph V.	Smith, James W.
Kee, Leon C.	Johnson, Paul H.	Oconnor, William J.	Smull, William E.
erty, Paul A.	Jones, Harry L.	Okubo, Henry H.	Smyth, William S.
retcher, Kenneth L.	Jones, James N.	Olinger, William O.	Speck, Ross E.
Flohr, Lois R.	Judish, Rudolph R.	Opper, Raymond L.	Spencer, Marvin E.
Floyd, Grafton R.	Kardaseski, George M.	Page, Joseph E.	Spillane, Frank T. Jr.
Flower, Duane	Kardos, Michael	Parker, Dwayne E.	Stempnitzky, Maurice
Foley, William V.	Kassy, Stanley P.	Parker, Richard L.	Stevens, Carl R.
Foot, Charles W.	Kellogg, J. Douglas	Parsons, Ernest S.	Stooksbury, Clarence S.
Forbes, Berna E.	Keyser, Howard W.	Patterson, Robert W.	Strader, Harold E.
Fox, Dennis R.	Kinning, Wilmer L. Jr.	Peiffer, James F.	Strange, Allan E.
Fox, Edgar D.	Kirchner, Stanley W.	Percell, Bevan I.	Sullivan, Eugene
Franks, Beverly E.	Kline, Kenneth G.	Peters, Emmett E.	Summers, Lyle J.
Fria, Anthony J.	Knapper, Randall	Pierson, Ellenor E.	Supan, Leo R.
Gansert, William T.	Knudsen, Gerald W.	Pike, Donald D.	Swallow, Dale D.
Gillison, Daphne	Koshak, John F.	Portz, Kenneth L.	Swope, Robert G.
Glahn, Thomas L.	Krominga, Richard W.	Potter, Claude H.	Taigman, Leonard G.
Goorman, Ilene R.	Krotchko, Michael G.	Powers, Glenn B.	Talmage, Franklin F.
Greenspun, Richard J.	Kuchler, Victor A.	Powers, Raymond F.	Teague, Beal M.
Greichen, James E.	Lasharr, John C.	Prock, John D.	Tomlin, James W.
Griffith, Paul D.	Lawless, Robert C.	Ratton, Gerald M.	Toney, Arthur R.
Grogan, Forrest D.	Leary, James B.	Rea, Clax W.	Turner, David L.
Guderjohn, Henry W.	Lichvar, Michael A.	Reed, Rex A.	Viola, Alfonzo
Haeger, Edmund F. Jr.	Linthicum, Millard F.	Repair, Robert M.	Walker, Joe E.
Hagan, James F.	Lippy, Lester J.	Repstine, Mel L.	Wallace, Beryl A. Jr.
Hagelin, Allan B.	Loghry, Rodney J.	Rheinheimer, Hans H.	Waters, Harvey L.
Hanlon, Donald L.	Long, Harry L.	Richardson, Charles J.	Watson, James E.
Harper, Samuel J.	Lowrie, Walter O.	Richardson, Elwood H.	Weems, Tommy S.
Harris, Robert A.	Luhman, Frederick A.	Ritz, James M.	Weems, V. Tom
Hart, Douglas D.	Lundberg, Leonard D.	Ritz, Paul P.	Weidlein, Charles W.
Hart, Walter G.	Lundgren, Robert C.	Robins, Edwin H.	Wells, Royzell F.
Hefestay, Frank J.	Maginn, Richard J.	Rock, Raymond H.	Wertz, Robert J.
Hegarty, Carl F.	Marcotte, Norman G.	Rodriguez, Reynaldo	Westman, Theodore N.
Heinle, Robert G.	Martell, Robert K.	Rothrock, Marvin C.	Weuve, Rod R.
Herbener, David G.	Marvelle, Howard	Rotruck, B. Tyler	Wilcoxson, Clayton B.
Hessel, Albert	Mason, Gerald E.	Rowland, Ed R.	Williams, Marvin C.
Hiestand, Gerald E.	Masteller, Richard D.	Sakurai, Mike M.	Williams, Robert A.
Milton, Betty B.	McDonnell, John O.	Sanderson, J.B. (Mickey)	Williams, Virginia M.
on, Leroy C.	McFadden, M. Louise	Scheirman, L. George	Williams, Wayne L.
obbs, Gerald F.	McGonigle, Olive K.	Scholar, Harold I.	Willis, Donald A.
Hockman, George T.	McKanna, Norman D.	Schroeder, Robert L.	Wilson, John M.
Hoffman, William C.	McKenna, W. Lee	Schwab, Loren K.	Wine, Dale H.
Hogan, Paul E.	McLain, Morris E.	Seibel, Richard P.	Wismann, Guy V.
Hollenbeck, Gerald R.	Menges, Kenneth L.	Seidl, John E.	Wisneski, Joseph F.
Hopper, Kenneth H.	Meredith, John W. Jr.	Shambaugh, Lloyd C.	Woodin, Vernon E.
Houston, James R.	Millett, Robert L.	Shaner, Chuck E.	Wright, Norm E.
Howard, Merlin D.	Milton, George N.	Shepler, Robert S.	Wright, Charles N. Jr.
Huff, Alton B.	Morris, Thomas W.	Sherlock, Douglas A.	Wroton, Harrison C.
Hunter, William P.	Mossmann, Arthur V.	Shiner, J. Boyd	Youtman, John A.
Hups, Carl L.	Nakai, Mitz	Simonson, M. Judy	Zimmerman, John D.
Hurt, Caleb B.	Nelson, Stanley E.	Sjostrom, Rex W.	Zwegardt, Rudy R.
Imber, Burt M.	Nightingale, George D.	Skillman, Elmer I.	
Jeffres, Edgar D.	Nylander, Harold E.	Smith, Dean E.	



James M. Beggs



Hans M. Mark

New administrator, deputy named for NASA

James A. Beggs has been named administrator of the National Aeronautics and Space Administration and Dr. Hans M. Mark has been named deputy administrator.

Beggs, formerly executive vice president and a director of the general Dynamics Corporation, St. Louis, MO, was responsible for General Dynamics' Convair, Electronics, Fort Worth and Pomona divisions. He served with NASA as associate administrator, office of advanced research and technology from 1968 to 1969. Beggs was undersecretary of transportation from 1969 to 1973.

Mark was secretary of the Air Force from July 1979 to February 1981 and under secretary of the Air Force since 1977. He was director of NASA's Ames Research Center, Mountain View, CA, from 1969 to 1977.

Both appointments to NASA's top posts became effective July 1981.

Cryopumps added to SSL chamber

Four cryogenic pumps have been installed on the main solar thermal vacuum chamber at the space simulation laboratory here.

The cryogenic pump replace the original oil diffusion pumps, eliminating possible oil contamination to the test article. The cryogenic pumps reduce pressure in the chamber to a high vacuum required by most tests, operating on a principle similar to the effect of frost adhering to the walls of a home freezer.

Business degree program available for employees

Employees may work toward an associate or a bachelor's degree in business in a program to be offered by Loretta Heights College and Arapahoe Community College.

Each school will offer three evening courses at convenient locations. Classes begin the week of September 21.

Registration will be September 18 from 2:00 to 3:30 pm in the second floor cafeteria in the engineering building.

Are you missing from the list?

If you were hired in Denver in 1956 or transferred here from another company location that year and your name is not on the list of honorees for the 25th anniversary celebration, please complete the coupon and send it to Leroy Hollins, Mail No. 1321.

Name	Dept.	Badge#	Mail#	Ext.
Home Address				
Home Telephone		Date Hired/Transferred		

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Denver Aerospace
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August 28, 1981



Mark Faucher, a technician for the parachute group at KSC, puts the finishing touches on one of the solid rocket booster main parachute deployment bags. Hanging in the background is one of the drogue parachutes that was recovered after the first Space Shuttle launch.

First flight parachutes are recertified at KSC

Solid rocket booster parachutes used on the first Space Shuttle mission have been recertified for use. The work was done by the Denver Aerospace parachute group at Kennedy Space Center.

Modifications have been made in the system as a result of information obtained from the first mission.

"We are pleased to see that the parachutes withstood the rigors of the flight as well as they did," said Kenyon G. Elfin, head of quality for the group.

Two of the six 115-foot diameter main parachutes were not retrieved because float bags were damaged. The remaining four main and two drogue parachutes will be used again on the fourth Shuttle mission.

The parachute system is designed to be reused up to 20 times.

Flight readiness review held for second Shuttle

A Corporate flight readiness review for the second Space Shuttle mission was held at Kennedy Space Center to check the flight worthiness of all Martin Marietta components to be used on the upcoming flight.

Components include the external tank; checkout, control, and monitor subsystems (CCMS); solid rocket booster parachutes; the reaction control tanks, the pyrotechnic initiators, and caution and warning system aboard the orbiter; and the feature identification and location experiment (FILE).

Chairman of the review was L. J. Adams, Martin Marietta Aerospace president.

Saxon copiers to stay after service study

The contract with Saxon Business Products to provide office copier service for Denver Aerospace has been renewed following extensive market research.

A study of all major office copier services, prompted by suggestions in the 1980 employee survey, revealed Saxon copiers best suited to meet the needs here and at a cost of nearly \$300,000 less per year than the closest competitor.

Saxon provides 216 machines and all chemicals, while Denver Aerospace pays only for paper used. Two resident repair technicians are on call Monday through Friday from 7 am to 6:00 pm at extension 5754.

Copiers included in the study were A.B. Dick, Canon, IBM, Pitney Bowes, Royal, Sharp, 3M, and Xerox.



Denver Aerospace was named the outstanding contractor for fiscal year 1980 in the Air Force Contract Management Division's socio-economic program. The award was presented C. B. Hurtt, Denver Aerospace president, right, by Col. Kenneth G. Haug, the Air Force plant representative, left, on behalf of Brig. Gen. James C. Dever Jr, AFCMD commander. The award was presented for outstanding achievement in meeting goals established for working with small business and small disadvantaged business firms. There have been three previous winners of the award. No contractor has won the award twice.

Recreation

Information on all clubs and activities may be obtained from the recreation office, Eng. 124, Ext. 6750.

Ski Club: The Satellite Ski Club beach party will be held at the Chatfield Recreation Area August 30. A hay ride is planned for September 12. For details, call Dee Hale, Ext. 6191 or 4295.

Dance Club: The Square and Round Dance Club holds its organizational meeting September 1, 5:15 pm., 200K, DSC I.

Tennis: Entries for the 1981 fall tennis tournament must be received by the recreation office by noon September 1; mail number 1321.

Football: The Flag Football league will meet September 1, 5:15 pm in the engineering presentation room for a discussion of league rules and nights of play. Completed team rosters are due at the meeting. Football officials are needed. A clinic will be organized to train all officials.

Parapsychology: The Parapsychology Club will meet September 2, 5:00 pm, in 200K, DSC I. Subject will be Soviet psychotronic weaponry.

Scuba: The Scuba Club will dive with the Denver Aquanauts at Lake McConaughy near Ogallala NB over Labor Day weekend. For information, call Mitch Boggan, Ext. 7428.

Sailing: The Sailing Club will sail September 3 and 9 on Chatfield reservoir. A U.S. Coast Guard sailing course, Basic Safety and Sailing, will be held for 10 weeks beginning September 17. Classes will be from 7:30 to 10:00 pm Thursdays in room 271, West Point building. Fee is \$7.50 per person payable to U.S.C.G Auxiliary: Flotilla 25-1. Mail checks and registration forms to Janice Redfield, Mail number 8052 by September 14. For information, call her at Ext. 5124 or Robert Bagley, Ext. 6595.

Golf: The AFPRO golf team defeated quality 14½-12½ August 8 at Aurora Hills. Partner best ball winners were John Riley and Everett Freed. George Munger took medalist honors with a scratch 79. Mark Taylor had a low net of 60.

Fitness: Women's fitness classes will begin September 14, with classes Monday and Wednesday evenings from 5:00 to 6:00 pm at 200K, DSC I. Cost for the six-week session is \$10, with limited class size requiring registration at the recreation office by September 9. Make checks payable to Melissa Guynn, the course instructor.