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THE PRESIDENT HAS SEEN....

THE WHITE HOUSE

INFORMATION

WASHINGTON

August 1, 1975

grent

MEMORANDUM FOR THE PRESIDENT

FROM:

DOUGLAS P. BENNETT

SUBJECT:

Administrator, FAA (PAS Level II)

The following are the final candidates for the above position:

F. C. Wiser, Jr., 55, until last month President of Trans World Airlines.

Joseph M. Walsh, 55, President and Director, Lear Motors Corporation, Reno, Nevada.

Dr. Walter J. Hesse, Vice President, Advanced Transportation Systems Division, Rohr Industries, Inc., California.

Hamilton Herman, 59, currently self-employed as a Senior Industrial Representative and Consultant, New Canaan, Connecticut, and your designee as Assistant Secretary of Transportation for Systems Development and Technology.

Robert E. Hage, 59, Executive Vice President, McDonald Douglas Corporation, California.

Gerald D. Griffin, 41, Deputy Associate Administrator (Operations) NASA, Washington, D.C.

WISEMAN, SCOTT, composer; b. Ingalls, N.C., Nov. 8, 1908; s. Edward G. and Josie (Shields) W.; B.A., Fairmont State Tchrs. Coll., 1932; M.A., Northwestern U., 1958; m. Myrtle Eleanor Cooper, Dec. 13, 1935; children—Linda Lou, Steven Scott. Partner (with wife) team Lulubelle and Scotty, 1934—; announcer WMMN radio, Fairmont, W.Va., 1930-32; singer, WLS, Chgo., 1933-58; appearances in motion pictures Republic Studios, 1937-43, Paramount, 1943; composer songs Mountain Dew, Have I Told You Lately That I Love You?, Remember Me, Tenderly He Watches, others. Dir. Northwestern Bank, Spruce Pine, N.C. Mem. Avery County (N.C.) Bd. Edn., 1968-73. Trustee Spruce Pine Community Hosp., 1965—. Mem. Nashville Songwriters Hall of Fame, 1971—. Mem. Country Music Assn. Mason. Home: Spruce Pine NC 28777

WISENBAKER, THOMAS CHARLES, cons.; b. Loundes County, Ga., Sept. 10, 1904; s. Richard Herman and Mattie (Rackley) W.; m. Louise Landers, Jan. 5, 1929; children—Charles Albert, Marcia Louise (Mrs. Boyd Harper), Thomas Richard. With broadcasting and engring. cos., 1933-41; chief engr. Miami Braodcasting Co. (Fla.), 1941-43; with Raytheon Co., 1943-68, v.p., div. gen. mgr., pres. West Coast operations, 1965-68, cons., 1962-64, ret. 1969, now cons. Recipient Pub. Service citation for outstanding conthos. in guided missile tech. Navy Dept. 1958. Mem. Am. Inst. Aeros. and Astronautics, Assn. U.S. Army. Home: 5775 Collins Av Miami Beach FL 33140

WISENER, JOHN CALVIN, JR., transp. co. exec.; b. Phila., Dec. 25, 1918; s. John Calvin and Mignonne (Reading) W.; student Episcopal Acad., Merion, Pa., 1933-37; m. Mildred Frances Littleton, July 7, 1941; children—John Calvin III, Carol Anne, Craig Littleton, Admitted to practice ICC, 1945; dir. sales and traffic Hwy. Express Lines, Inc., Phila., 1946-55; gen. mgr. Bulk Carrier Conf., Phila., 1956-59; v.p. traffic Chem. Leaman Tank Lines, Inc., Downingtown, Pa., 1959-61; pres. Air Dispatch, Inc., Memphis, 1961-65; chmn., pres. Wings & Wheels Express, Inc., Jamaica, N.Y., 1965—Served with CIC, AUS, 1945. Home: 22 Evelyn Rd Port Washington NY 11050 Office: Wings & Wheels Express Inc World Hdqrs Bldg JF Kennedy Internat Airport Jamaica NY 11430

WISER, C. VINCENT, lawyer; b. Rochester, N.Y., June 28, 1898; s. Cornelius and Catherine (Mangan) W.; ed. Union U., Albany Law Sch., 1922; m. Mertie E. Schillinger, Dec. 27, 1946; children-Aileen (Mrs. Herbett Kane), Thomas V. Admitted to N.Y. bar; with firm Wiser, Shaw, Freeman, VanGraafeiland, Harter & Secrest, and predecessor, Rochester, 1922—, partner, 1935—. Dir. Monroe Abstract & Title Corp. Past mem. Rochester City Planning Commn. Mem. Am., N.Y. State, Monroe County bar assns., Rochester C. of C. Rotarian. Club: Oak Hill Country. Home. 47 N Country Club Dr Rochester NY 14618 Office: Midtown Tower Rochester NY 14604

WISER, FORWOOD CLOUD, JR., airlines exec.; b. Chester, Pa., June 24, 1921; s. Forwood Cloud and Florence E. (Delaney) W.; student Lehigh U., 1939-41; B.S., U.S. Naval Acad., 1944; M.B.A., Harvard, 1951; m. Martha Willis Bergey, Mar. 23, 1946; children—Martha Ann, Forwood Cloud III. Asst. to v.p. Container Corp. Am., 1951-54; v.p. Pitts. Standard Conduit Co., 1954-57; asst. v.p. operations Am. Air Lines, 1957-59, v.p. tech. service, 1959-64, v.p. operations, 1964-66; pres. Northeast Airlines, 1966-68; exec. v.p. Trans World Airlines, 1968-69, pres., chief operating officer, 1969. Served from ensign to lt. (j.g.), USNR, 1944-49. Home: 15 Hibben Rd—Princeton NJ 08740 Office: 605 3d Av New York City NY 10016

WISHAM, LAWRENCE HERMAN, physician; b. N.Y.C., Jan. 17, 1918; s. William and Sarah (Kagan) W.; B.S., N.Y. U., 1938; M.D., Chgo. Med. Sch., 1943; m. Shirley D. Schatz, Sept. 24, 1942; 1 dau., Elizabeth. Resident, Bronx VA Hosp. Phys. Medicine and Rehab., 1948-50; fellow Inst. Rehab. Medicine, 1950-51; dir. dept. phys. medicine and rehab. Brookdale Hosp., Bklym., 1951-54; asso. dir. dept. rehab. medicine Mt. Sinai Hosp., N.Y.C., 1954-58, dir., 1958—; asst. clin. prof. rehab. medicine Columbia Coll. Phys. and Surg., 1956-66; prof. rehab. medicine, chmn. dept. Mt. Sinai Sch. Medicine, 1966—; sr. cons. dept. rehab. medicine Bronx VA Hosp.; spl. research blood flow. Served to capt. M.C., AUS, 1944-46; PTO. Fellow Am. Acad. Phys. Medicine and Rehab., N.Y. Acad. Medicine; mem. N.Y. Soc. Chys. Medicine and Rehab. (pres. 1944-65). Contbr. articles to prof. jours. Home: 640 W 231st St New York City NY 10463 Office: 1176 Fifth Av New York City NY 10029

WISHARD, WILLIAM NILES, JR., physician; b. Indpls., July 29, 1898; s. William Niles and Frances Cornelia (Scoville) W.; B.A., Williams Coll., 1921; M.D. cum laude, Harvard, 1925; m. Carolya Louise Davis, Oct. 10, 1938; children—Susan (Mrs. David S. Poston), William Niles III, Gordon Davis. Intern, E. surg. house officer Mass. Gen. Hosp., Boston, 1926-27; individual practice genito urinary surgery, Indpls., 1928—; mem. staff Meth. Hosp., 1928—, chmn. urol. staff, 1938, chmn. med. adv. com., 1938-40, pres. med. staff, 1940-41. chmn. research com. 1965—, chmp. profi. standards com., 1970: med. staff St. Vincents, Ind. U. Med. Center hosps; coms. staff Maxion County Gen., Community hosps.; chmn. urol. staff Marion County Gen., Community hosps.; chmn. urol. staff Marion County Gen., Hosp., 1950-53; faculty Ind. U. Sch. Medicine, 1928—, clin. prof. urology, 1953—, William Niles Wishard, Jr. vis. prof. urology. 1969—; pres. Drs. Wishard, Nouse Mertz & Newman, Inc., 1964—Mem. Bd. Med. Registration and Exam. Ind., 1945-57. Recipient Distinguished Tchr. award Meth. Hosp. Grad. Center, 1966—Spl. award for Meritorious Service Am. Bd. Urology, 1969. Diplomate Nat. Bd. Med. Examiners, Am. Bd. Urology, 1969. Diplomate Nat. Bd. Med. Examiners, Am. Bd. Urology, 1969. Diplomate Nat. Bd. Med. Examiners, Am. Bd. Urology, 1969. Diplomate Nat. Bd. Med. Examiners, Am. Bd. Urology, 1969. Diplomate Nat. Bd. Med. Examiners, Am. Bd. Urology, 1969. Diplomate Nat. Bd. Med. Examiners, Am. Bd. Urology, 1969. Diplomate Nat. Bd. Med. Examiners, Am. Bd. Urology, 1969. Diplomate Nat. Bd. Med. Examiners, Am. Bd. Urology, 1969. Diplomate Nat. Bd. Med. Examiners, Am. Bd. Urology, 1969. Diplomate Nat. Bd. Med. Examiners, Am. Bd. Urology, 1969. Diplomate Nat. Bd. Med. Examiners, Am. Bd. Urology, 1969. Diplomate Nat. Bd. Med. Examiners, Am. Bd. Urology, 1969. Diplomate Nat. Bd. Med. Examiners, Am. Bd. Urology, 1969. Diplomate Nat. Bd. Med. Examiners, Am. Bd. Urology, 1969. Diplomate Nat. Bd. Med. Examiners, Am. Bd. Urology, 1969. Diplomate Nat. Bd. Me

Chem. Co., Inc., 1921-55, John D. 20, 1955-64, Chem. exec. and finance coms., ming div. International 1954—organizer, 1935, since dir. Witco Chem. Co., Liu., London, organizer Continental Carbon Co., 1936, pres., dir., 1939-61, pres., dir. Witco Chem. Italiana, S.R., pres. witco Chem. Go. Inc., Found, dir. Witco Chem. Bank Israe., Company, Car., Ltd., Indst. Devel. Bank of Israel, Witco Chem. France, S.A., Adjubel. Witfield Chem. Corp., Ultra Chem. Co. Truster L., Inst. Teon., Jewish Child Care Assn. N.Y., Hosp. for Joint Diseases N.Y.C., Hebrew U., Israel, Weizmann Inst. Sci., Israel, Mem., A.A.A.S., Am., Inst. Chemists, Am. Inst. Chem. Engrs., Am. Chem. Sou., Am. Petroleum Inst., Am. Gas Assn., Mfg. Chemists Assn., Car., Fedn., Handicapped (dir.), N.Y. Paint, Varnish and Lacquer Assn., Soc. Chem., Industry, Republican, Jewish religion. Clubs: Chemists, Harmonie (N.Y.C.); Old Oaks Country (Purchase, N.Y.); Standart (Cago.; Hillicrest Country (Beverly Hills; Cal.), Home: 111 E 56 St. New York City NY 10022 Office: 277 Park Av New York City NY 10017

WISHNICK, WILLIAM, chem. co. exec.; b. Bklyn., Nov. 9, 1924; s. Robert I. and Freda M. (Frankel) W.; student Carnegie Inst. Tech., 1942, 454-47; B.B.A., U. Teth., 1849; m. Dion Imerman, June 16, 1949 (div. 1969); children—Elizabeth Anne, Gina I., Amy Jo. With Witco Chem. Co., Inc., N.Y. C. 1848-, v.p., 1954-96, treas, 1956-, exec. v.p. 1957-64; chmn. bd., 1944-, chief exec. officer, 1971-, also direpress, dir. Witco Chem. Co., Carh., Ltd., 1958-62, vice chmn. bd., 1964-- pres. Sonneborn Chemistry and Refining Corp.; treas, dir. Ultra Chem. Works, Inc., 1956-- dir. Witco Chem. Co., Ltd. (Eng.), Golder Best Oil Co., Los Angeles, Continental Carbon Co., Houston, Witco Chem. (France) S.A.R.L. Trustee Mt. Sinai Hosp., N.Y.C. Mem. Am. Chem. Soc., Am. Petroleum Inst., N.Y. Rubber Group, Salesmens Assn. Am. Chem. Industry (dir. N.Y.), Young Pres.'s Organ, Tau Delta Phi, Republican, Clubs: Chemists (past trustee, m. v.p.), Harmonie (N.Y.C.); Standard (Chgo.); Beach Point (Mamartoneck, N.Y.); Old Oaks Country (Purchase, N.Y.). Home: 211 E 53d St New York City NY 10022 Office: 277 Park Av New York City NY 10017

WISHNOW, EMANUEL, musical educator; b. London, Eng., June 25, 1910; s. Hyman and Sarah (Jacobson) W.; came to U.S., 1920, naturalized, 1936; B.F.A. U., Neb., 1932; M.A., N.Y. U., 1939; m. Kitty Bendeth, Apr. 11, 1957. Faculty, U. Neb., 1933.—, prof. violin, 1951.—, U. Neb. Found, prof., 1966-70, George Holmes prof. music, 1970.—, condr. univ. symphony orch., 1941.—, chmn. dept. music, 1958-67, dir. Sch. Music, 1965-72. Appearances with Jacques Gordon String Quantet, Music Mountain, Conn., 1935, 38, 40, 49, Library of Congress, 1938; dir., 1st violinist Fine Arts Ensemble, Joslyn Art Mus., Omaha, 1948-70, comér. Omaha Symphony, 1951, 52; mem. Lincoln Symphony Orch., 1925-50, concertmaster, 1936-50, Bd. dirs. Lincoln Community Art Council, Served with AUS, 1942-45, Mem. Neb. Arts Council, Ph. Bent. Kappa (hom.), Producer edul. filmstrips for string instruments. Research string music 17th and 18th centuries in Eng. and Italy. Home 1201. S. 49th St. Lincoln NE 68510

WISLAR, GEORGE GARSED, ins. co. exec.; b. Bucks County, Pa., Jan. 24, 1901; s. George Brouse and Mary Benton (Garsed) W.; student Drexel Inst.; m. Marian B. Wakefield, Dec. 8, 1923; children-Edwin Wasefield George Rowland. With Raymond Concrete Pile Co., 1619–171. John W., Ferguson Co., 1920-23; with NJ. Mfrs. Ins. Co., 1821–1975-66, ret., now dir. Trustee Kessler Inst. Rehab Vern. Newtomen Soc., S.R. Republican Episcopalian. Clubs: Training Dominy; Seaview Country (Absecon. NJ.). Home: Harbourner NJ. Office: Sullivan Way PO Box 2708 Trenton NJ 08607

WISLICENUS, GEORGE FRIEDRICH, mech. engr.; b. 803 s Dr. Walter Friedrich and WISLICENUS, GEORGE FRIEDRICH, mech. engr.: b. Strasbourg, Alsace, A. 11 903 s. Dr. Walter Friedrich and Elizabeth (Dreyer) W. V.E. Starl Sch. Mech. Engring, Wurzburg, Germany, 1925; M.S. Da. Inst. Tenn. 1531, Ph.D., 1934; m. Lisel Emily Weischedel, May 13, 1911, 1811, 1811, Wolfram Dreyer, Came to U.S., 1926, naturalizing 1811, Design engr. U.S. and abroad, 1925-50; teaching fellow Ca. Inst. Tenn. 1834-83, research asst., 1933-35; hydraulic engr. and research engr. or orimington Pump and Machinery Corp., Harrison, N.J. 1831-35, asst. miref engr. of design and research, abroraft engine dist. Pentart Motor Car Co., Toledo, 1945-48; prof. mech. engine dist. Pentart Motor Car Co., Toledo, 1945-48; prof. mech. engine dist. Pentart Motor Car Co., Toledo, 1945-48; prof. mech. engine dist. Pentart Motor Car Co., Toledo, 1945-48; prof. mech. engine dist. Pentart Motor Car Co., Toledo, prof. emeritus, 1969-head ferti acrt. engine, 1961-68; now engaged in tech. writing for NASA asst. Navy Dett., Dors. Goodf Pumps. Inc., Senece Falls, N.Y., Applied Research Lan et Pa. State U., U.N., N.Am. Aviation, Inc., Gen. Electure Co. Filem Propulsion Lab. Mem. sub-com. NASA; mem. panels NRC, Sol. Automotive Engrs. Manly Meml. medalist. 1955. Fellow Am. Sol. Agromative Engrs. Manly Meml. medalist. 1955. Fellow Am. Sol. Agromative Engrs. Manly Meml. medalist. 1955. Fellow Am. Sol. Engring, Edn. Sigma Automotives; mem. Am. Sol. Engring, Edn. Sigma Nuchor: Fluid Mechanics of Turbomatchnery, 1947; Marks Mech. Engineers Handbook. Certifical Pumps. 1951: classified reports. Contor. articles in fined to tech pubis. Home: 4641 E. Coronado Dr. Tucson AZ SST18

WISLOCKL FLORENCE, see Clothier, Florence

WISMAN, WILLIAM WOODROW, air force officer: b. Augusta, kan. May 30, 1918; s. George W. and Flossie (Williams) W., student Ohio State U., 1938-39; grad. Army Air Corps Flying Sch., 1640-41, Air Command and Staff Coll., 1948. Air War Coil., 1956-57. Commd. 2d It. USAAF, 1941, advanced through graces to maj. gen. USAF, 1965; pilot in U.S., CBI, 1941-46; chief rijet Atlantic div. Air Transp. Command, Westover AFB, Mass., 1946-48, chief ting div. operations, 1949; comdr. 330th Bomb Sqdn., dir. material, base comdr., then dep. wing comdr. 93d Bomb Wing, Castie AFB, Cal., 1949-54; base comdr., also dep. wing comdr. 91d Bomb Wing, Castie AFB, Cal., 1949-54; base comdr., also dep. wing comdr. 91d Bomb Wing, Mountain Home AFB, Ida., 1954-56; chief operational control div., dir. operations Hdgrs. SAC, Offurt AFB, Neb., 1957-62; comdr. 819th Strategic Aerospace Div., Dyess AFB, Tex., 1962-64; dep. dir. operations Nat. Mil. Command System, Joint Chief Staff, Directorate of Operations, Weshington, Hdgrs. N.Am. Air Def. Command. Ent AFB, Colo., 1968-32; chief cal. projects office Hdgrs. SHA 9E, Belgium, 1972.

Social Welfare in the Sou 1970. Home: 1347 Moss

WISOTZKY, JOEL, eda. Hersch and Rose (Sheve'; 1945; D.D.S., Lovyla U. C. Eleanor Annette Pinsky. Philip Joseph, Ira Harok, asst. dental surgeon, then with div. dental medicine is specialist Rutgers U. Bur. 1 and medicine Case Wester trg. and research, 1969—AUS, 1942-45, Mem. Iris Am. Assn. Dental Schs., Sarticles to profi. jours. ch. Cleveland Heights OH 44: 44106 WISOTZKY, JOEL, edu.

WISSEL PETER E., petr 1922; s. Rudoiph and Ma M.A., 1953. With Texaco, and econs., 1970, gen. mgr and econs. 1971—, Home Office: 135 E 42d St New

WISSLER, ROBERT Richmond, Ind., Mar. 1, 19
A.B., Earlham Coll., 1939.
Ph.D. 1946, M.D. with ho Elizabeth Anne Polk, 1941
Intern. USPHS, Choo. M. Chgo., 1943-47, asst. pro1957—chmn. dept. pathol Donald N. Pritzker prof. research Army and Navy
Surgeon Gen. USPHS.
Scis.-NRC, 1958, chmn. c
Pathology, 1961-72, chmn.
Higher Edn., 1966-68; me
Recipient David Worth ID
Earlham Coll., 1939, Howa outstanding research path
Capps prize Chgo. Inst. N
Examiners (chmn. path. it (trustee). Mem. Am. Soc. ICell Biology, Reticuloene Medicine, Am. (award mem 1966) Chgo. (trustee). Mem. Am. Soc. ICell Biology, Reticuloene Medicine, Am. (award mem 1966) Chgo. (trustee). Mem. Soc. Clin. Pathology Immunolegists, A.M.A. to
Atherosclerosis 1969, c
Symposium 1973). Am. Pathologists (sec. acad. sc
Acad. Scis., Am. Assn. C
1967). Univs. Asso. for Re
pres. 1959-71). Am. Assn. c
1967-17-73, trustee). Sig.
Alpha. Gamma Alpha. I
Contor. numerous sci. pap1953-58. Nutrition Ress.
Cancer Research. Edit
Hosts-Tumor Balance. 19Home: 5552 S Lake Shore

WIT. DANIEL, educator, Stella (Bloom) W.; A.B., id Etudes Politiques (Paris, 1950); m. Phyllis J. Citra Frederick W. Mem. dept. 1950-54. U. Mich., 1954-51 1959-61; head dept. petitinternat, programs, 1968—17ng. Fulbright prof. Inst. 1966-67; vis. prof. pub. archaeland, 1956-58; dr. Washington, 1959-61; pro. 1960, Indonesian Labor-Atm., programs S.E. Asia, Coil., 1963-64. Mem. Am. Am. Sao, Pub. Administration, 1958; I. Manpower Problems in S. Thailand, 1960; Labor Lav Another Victnam, 1968; C. Political System, 1972. C. Fairmont Dr. DeKaib H. 6.

WIT, HAROLD MAURI
1928; s. Maurice and Mal
Harvard, 1949; J.D. (edito
Apr. 6. 1960 (div.); c?
Admitted to N.Y. bar. 196
1954-58; asst. sec. One Wi
sec. 1959-60; asso. Allen
1970—, also dir. mem. ex
Croton Press Ltd.; dir. DI
Raymond Control System
Rev. Chma. exec. com.
Served at lt. (j.g.) USNR.
City N.Y., N.Y. County J WIT, HAROLD MAURI

JOSEPH M. WALSH 130 Southridge Drive Reno, Nevada 89502 Phone No. (702)322-3371

1969-1973

President and Director, Lear Motors Corporation, Reno, Nevada. Design and development of low emission engines. Two steam turbine engines were developed. A 240 horse power system was installed in a standard city bus and successfully demonstrated in San Francisco under contract with State of California.

Under a contract with the Environmental Protection Agency a power system of 150 horse power was developed and is under test.

1964-1969

Executive Vice President and Director.
Rapistan Incorporated (\$40 million sales - 1,200 employees).
507 Plymouth Avenue, N.E., Grand Rapids, Michigan.
Responsible for all company operations, except legal and international. Products included material handling systems and components, including conveyors, lifts, sorters, diverters etc., sold through company branches. A separate product line included industrial wheels and casters sold through dealers.

1955-1964

Vice President of Lear Siegler, Inc., and President of Instrument Division (Airborne Electronics), Grand Rapids, Michigan (\$60 million sales - 3,200 employees).

Advanced from Controller, Assistant General Manager, General Manager.

Responsible for Marketing and Sales, Engineering, Manufacturing, Finance and Industrial Relations.

Directorships
(in to moving Devada)

Old Kent Bank & Trust Company, Grand Rapids, Michigan. Interstate Motor Freight System, Grand Rapids, Michigan. AGM Industries, Incorporated, Grand Rapids, Michigan.

Present Directorships Information International, Incorporated, Los Angeles, Cal.

Civic Organizations Past President of Employers' Association of Grand Rapids, Michigan.

Past President of Financial Executives Institute, Western Michigan Chapter.

Trustee of Aquinas College, Grand Rapids, Michigan. Trustee of St. Mary's Hospital, Grand Rapids, Michigan.

Personal:

Born: October 27, 1920 Married - 6 children

B.S., LaGalle College, Philadelphia, Pennsylvania - 1941. U.S. Navy - 1942-1946 - Lt. USNR.

Dr. Walter J. Hesse, Vice President, Advanced Transportation Systems
Division, Rohr Industries, Inc., Chula Vista, California, since July 1973,
was born in St. Louis, Missouri on April 4, 1923. He attended Purdue
University receiving his BSME degree in 1944, his MSME degree in 1948, and
his Ph.D. in 1959. He completed additional special courses at the United
States Naval Academy in Annapolis, Maryland (1944), the United States Navy
Submarine School in New London, Connecticut (1945), the University of
California (Nuclear Engineering Management (1957)), and Sandia, Albuquerque,
New Mexico (Nuclear Weapons (1961)).

He was commissioned Ensign, United States Naval Reserve, in 1944 at the completion of his work at the Naval Academy. While on active duty in the United States Navy, he was assistant engineer and electrical officer aboard the submarine U.S.S. Blenny, and a research officer in the Power Plants Division of the Bureau of Aeronautics.

While pursuing graduate studies at Purdue University in 1946, he was appointed to the position of Project Engineer-Rocket Motor Research, and also made an Instructor of Mechanical Engineering. In the period 1949 to 1955 he held the positions of Chief Engineer, Chief Academic Instructor, and Project Engineer at the Test Pilot School, United States Naval Air Test Center, Patuxent River, Maryland. During this period Dr. Hesse helped train thirteen classes of Navy and Marine test pilots and performed research work on new methods of flight testing high-performance aircraft.

He was appointed to the position of Supervisor of Theoretical Propulsion, Vought Aeronautics Division, LTV Aerospace Corporation in 1956; became Chief of Advanced Development Planning in 1956; Manager of Advanced Systems Engineering in 1959; Program Director, Nucleonic Systems in 1961; Program Director, Advanced Missile Systems in 1964; Vice President/Program Director, V/STOL Programs in 1965; Vice President, Marketing and V/STOL ograms in 1968; Vice President, Development Programs in 1968; Vice President, Plans and Requirements, 1969-71; Vice President, Transportation Programs 1971-72; Vice President, Development and Market for Ground Transportation Division, June 1972 to June 1973.

He is an appointed member of the Scientific Panel to the Corressional House Committee on Science and Astronautics; served as a consultant to the Department of Defense Technical Advisory Panel on Aeronautics, on the Advisory Board for the Joint Task Force Two of the Joint Chiefs of Staff, and the Texas Commission on Atomic Energy; and was Chairman of the Board for the Aerospace Education Foundation.

He has been honored with membership in Pi Tau Sigma, Tau Beta Pi, and Sigma Xi fraternities. In 1966, Purdue University honored him with the Distinguished Alumnus Award from the School of Engineering.

*Underlined sections indicate last ten years experience

He has been a member of the Education Committee of the Dallas Chamber of Commerce, the American Institute of Aeronautics and Astronautics, the American Nuclear Society, the American Astronautics Society, the Air Force Association (1965 Chapter President for Dallas), the Navy League, the American Ordnance Association, the Association of the U.S. Army, the American Helicopter Society, the Dallas Metropolitan Philosophical Society, and was on the board of the Dallas/Ft. Worth Council of Scientific Societies.

He has served as a visiting professor of jet propulsion at the University of Maryland and as a graduate lecturer at Southern Methodist University. He is author of the textbook, <u>Jet Propulsion</u>, Pitman Publishing Corp. (1958), co-author of the textbook <u>Jet Propulsion</u> for Aerospace Application, Pitman Publishing Corp. (1964), and numerous technical papers, articles, and reports in the aerospace and related fields.

BIOGRAPHICAL INFORMATION

OF

ROBERT E. HAGE

Born:

Seattle, Washington - March 1917

Academic:

University of Washington B. S. degree in Aeronautical Engineering - 1939

Massachusetts Institute of Technology Masters Degree - 1940

Married:

Virginia C. Hamilton - August 31, 1940

Children:

Virginia June 8, 1941
Pamela January 19, 1943
Dana February 25, 1946
Mary December 29, 1950

Military Activity: 1942 - 1946 U. S. Air Force

Promoted successively to the position of Chief of Aerodynamics Branch, Aircraft Laboratory, Wright Field, attaining the rank of major.

Professional Activity:

1940 - 1942 University of Washington

Instructor in Aeronautical Engineering

Dec.

1946 - 1958

Boeing Airplane Company of Scattle Project Engineer - Systems, on all models of the 707 transport. Earlier positions included Preliminary Design Engineer and Project Engineer in the Pilotless Aircraft Division: Sales Engineer on military products, and Preliminary Design Engineer on earlier jet transports, bombers and missiles.

Took leave of absence from Boeing Airplane Cofor one year (1949 - 1950) to act as Scientific Warfare Advisor in the Weapons Systems Evaluation Group of the Department of Defense.

Professional Activity: (continued)

Dec. May 1958 - 1967

McDonnell Aircraft Company
Dec. 1958 Vice President - General Mana
of Transport Division

Dec. 1960 Vice President in charge of Customer Service Division

Sept. 1962 Vice President for Advanced Product Planning

May 1967 to present

McDonnell Douglas Corporation Douglas Aircraft Company

May 1967 Vice President - Advanced
Commercial Development
and Planning

Oct. 1968 Vice President - Engineering

Oct. 1971 Vice President & General Mana STOL Programs

1973 - Executive Vice Pres. Marketing

Home:

540 Mesa Way

Long Beach, California 90807

Office:

McDonnell Douglas Corporation Douglas Aircraft Company 3855 Lakewood Boulevard Long Beach, California 90801

Phone (213) 593-4730-29

Other Pertinent Information: Co-author of aeronautical textbook entitled AIRPLANE PERFORMANCE, STABILITY AND CONTROL, published by John Wiley & Sons, Inc. - 1959

Author of JET PROPULSION IN COMMERCIAL AIR TRANSPORTATION, published by Princeton University Press - 1948

Fellow - American Institute of Aeronautics and Astronautics

airforce Medeum Stok transport

5 Canoe Hill Rd. New Canaan, Conn. 06840 203/966-3197

Senior Vice President, Development American Can Company, 1968-1973

Commercial Development (new business) operations

Operation of four corporate-wide research and development laboratories (400 personnel; budget \$10,000,000)

Opération of corporate-wide Technical Service Department:

Operation of Business Research Office:

Business and economic analyses
Social, economic and technical forecasts related to American
Can businesses and to new business opportunities

Acquisition planning and assistance

Corporate Appropriations Committee Chairman's Management Committee American Can Foundation

President, Industrial Divisions, North American Rockwell, 1967

Complete operation of five business units:

Boston Gear Co. (gears, racks, pinions, electrical controls)
Air Maze Co. (filters, filtration materials)
Murray Corporation (cotton processing and harvesting machinery)
Carver Co. (cotton seed processing machinery and systems)
Later: Acquisition of Acme Chain Co (industrial and
engineering type chains, chain drive systems, etc.)

Vice President, Commercial Development (1955-1967) AMF, Inc, Corporate Vice President and Director of R & D, 1957-1967) AMF, Inc.

Organization and operation of the Commercial Development Division

Complete responsibility for the start-up and entire operations of a number of new businesses - automatic production machines, chemical processes, automatic restaurant equipment (with electronic control consoles), water purification equipment, waste heat recovery equipment, friction welding equipment, industrial robots (with various sophisticated electronic control decks and memory systems), etc.

These businesses involved individual products as well as complete manufacturing plants and included all phases of the business operations both in the United States and overse

Page 2

AMF (Continued)

Complete organization and operation of four major corporate research and development laboratories: Mechanical Development, Chemical Development, Electrical/Electronic Development, Research.

Reorganization and operation of a substantial "Government Products" Development Laboratory.

Organization and operation of a New Products and Business Office:

Identification and evaluation of new product and new business development opportunities.

Market analyses and forecasts, particularly related to changing economics and technologies.

Board of Directors, International Cigar Machinery Co. Management Board, Industrial Products Group Management Board, Electrical Producst Group

Assistant to the President, M.I.T., 1953-1955

Assistance in the area of the ongoing development needs of the Institute; liaison between the President and top corporate officers in industry; familiarity with the complete technical, business school and liberal arts spectrum of the Institute.

Manager, M.I.T. Flight Facility, M.I.T., 1948-1953

Set up from scratch and operated an extensive flight-testing facility at Bedford Airport - concerned with the development of instrumentation and automatic guidance systems for aircraft, missile guidance, etc. Responsible for operations of numerous aircraft including B-29's, F-94's, B-25's, etc.

Previous:

Manager, Flight Engineering, Inc. 1946-1948
Consulting on aircraft engineering and flight testing.

Flight Test Engineer, Douglas Aircraft, 1943-1946

Responsible for testing and evaluation of new aircraft, aircraft engines and aircraft components.

Advertising Department, Chicago Daily News, 1938-1940

Market research investigation on consumer products.

Merchandising campaigns on consumer products.

Advertising sales.

Education: A.B., Williams College, 1938

B.S. and M.S., Massachusetts Institute of Technology,

1940-1943, Honors Course; Aeronautical and

Mechanical Eng'g. (Instrumentation, Automatic Controls)

Health: Excellent Birth Date: January 15,1916

HAMILTON HERMAN

Senior Industrial Representative and Consultant

Special Expertise: Industrial Development

Services provided:

Major assistance in efforts to analyze, plan and put into effect new desireable industrial operations.

Assistance in the special area of starting up new business venture

Assistance in assessing technology: Research and Development, Engineering, Technical potential, etc.

Assistance with Research and Development and Engineering operations, including the handling of actual operations.

Searches for new business areas.

Evaluations of industrial corporations.

Evaluation of technical, economic and combined technicaleconomic trends, especially with regard to industrial development potential.

Senior business liaison work: especially in the U.S.A. and Canada. This could easily be extended to other geographical areas such as Great Britain.

Capability to set up a "brain nucleus" (financial, technical, social) in the U.S.A. to evaluate trends, look for valuable new development directions, etc.

Senior business counsel and advice.

Background Experience and Qualifications:

Uniquely and extensively qualified for providing the above service Seven years of specialized training:

B.S. and M.S., Honors Course, Massachusetts Institute of Technology. Degrees 1942,1943. Special areas: Mechanical and Aeronautical Engineering, Instrumentation and Controls, Power Plants.

Assistant to the President, Massachusetts Institute of Technology, 1943-1945.

Four additional years at M.I.T.; Manager, Instrumentation Laboratory Flight Facility

Seventeen years as a Senior Development Officer with three major U.S. Corporations:

American Machine & Foundry Corp. (AMF, Inc.): 1955-67

Corporate Vice President
Vice President Commercial Development (new businesses)
Vice President Research and Development
Director, International Cigar Machinery Co.
Management Board, Industrial Products Group
Management Board, Electrical Products Group

North American Rockwell Corp. (Rockwell International), 1967

President, Industrial Divisions (five companies) Chairman's Management Committee

American Can Co., 1967-1972

Senior Vice President, Development Chairman's Management Committee Director, American Can Foundation

Senior consultant for certain major U.S. Corporations: 1972-

Specific experience covers a very broad range of industrial businesses and products ranging from production machinery and systems (i.e. - tobacco, cotton, paper, bakery, water processing, pkg waste heat recovery, food handling, metal-working, etc.) to electrical products (relays, timers control systems, certain special computer equipment, etc.) and on to consumer products such as recreation products (toys, bicycles, home timers, bowling equipment, golf clubs, etc.) and paper products (towels, napkins, diapers, non-woven fabrics, etc.).

See attached list.

References:

When needed, excellent references will be furnished.

American Can Company businesses and operations:

Can-making machinery and systems; high speed sheet metal forming and handling systems.

Packaging machinery, systems and materials.

Paper-making systems, including pulping equipment.

Plastic films and film manufacturing systems.

Non-woven fabrics and systems for manufacturing them.

Plastic and composite rigid containers.

Graphics systems (inks, coatings, etc.) for use with paper, plastic and metal packaging.

Specialty chemicals: coatings, platings, etc.

Plant growth medium: manufactured plant growth material for automated use in horticultural and agricultural applications.

Consumer paper products: tissues, towels, napkins, diapers, etc.

Dixie cups, plates, tablecloths, etc.

AMF businesses and products:

Industrial machinery, production systems and produces:
Cigar and cigarette manufacturing machinery
Bakery machinery
Restaurant equipment and food handling systems
Water purification equipment; waste heat recovery
Industrial production "robots".
Friction welding machines
Tire retreading machines
Microflake tobacco sheet process and turn-key plants
Cuno filters

Recreation products:

Automatic bowling machines (pinsetters), bowling balls, pins. Voigt athletic products: basketballs, scuba diving equipment, baseballs, exercise equipment, etc.

Junior toys, tricycles, bicycles, etc.

Golf carts, snowmobiles

Electrical products:

Paragon timers, Potter & Brumfield relays; certain special computer "software" devices, etc.

Rockwell Standard businesses and products:

Boston Gear Co. power transmission products: gears, cams, control devices, variable speed reducers, etc.

Cotton processing machinery including separators, balers, cotton seed processing machines, etc.

Heavy duty, engineered automotive truck components, especially drive systems, axles, gears, etc.

Textile machinery, especially looms and knitting machines.

Aircraft (general aviation market).

Automotive components: springs, bumpers, wheel covers, etc.

M.I.T. Flight Facility and Douglas Aircraft:

Instrumentation and automatic guidance and control systems. Aircraft, aircraft equipment; aircraft operations.

EXECUTIVE DATA SHEET GERALD D. GRIFFIN

GENERAL DATA

Date of Birth: 12/25/34

Marital Status: Married Spouse: Sandra Jo Huber Griffin

Children: Kirk 7/4/59

Gwendolyn 3/16/63

Address: Home 1874 Foxstone Drive

Vienna, Virginia 22180

Office National Aeronautics and Space Administration

Washington, D.C. 20546

Telephone: Home 703/281-4833

Office 202/755-8344

EDUCATION

1956 - 52 B.S., Aeronautical Engineering

Texas A&M University

EMPLOYMENT HISTORY

*Aug., '75 to Present: Deputy Associate Administrator (Operations)

Office of Manned Space Flight

National Aeronautics and Space Administration

Washington, D.C. 20546

* See attached announcement

1975 - 1973: Assistant Administrator for Legislative Affairs

National Aeromatics and Space Administration

Wash ton, D.C.

1973 - 1968: NASA Slight Director, Apollo Mission Control

Johnson Space Center

National Aeronautics and Space Administration

Houston, Texas

1964 - 1968: Flight Controller, Guidance and Navigation Systems,

Mission Control, Johnson Space Center

National Aeronautics and Space Administration

Houston, Texas

1962 - 1964: Senior Aerosystems Engineer

General Dynamics/Fort Worth

Fort Worth, Texas

1961 - 1962: Missile Systems Engineer, Lockheed Missile

and Space Company Sunnyvale, California

1956 - 1961: United States Air Force

Air Defense Command, 84th Fighter

Interceptor Squadron

Radar Intercept Officer, F-101B aircraft

PILOT RATINGS

Commercial Pilot Airplane Single and Multi Engine Land Rotocraft - Helicopter Instrument Airplane

SPECIAL HONORS

NASA Group Achievement Award for the Gemini Support Team - November 1966

NASA Group Achievement Award for the Apollo 7 Flight Operations Team - November 1968

Sustained Superior Performance Award - December 1968

NASA Apollo Achievement Award - July 1969

NASA MSC Certificate of Commendation - July 1969

NASA MSC Group Achievement Award for the Apollo 11 Mission - July 1969

NASA Group Achievement Award for the Apollo 11 Mission - September 1969

Outstanding Performance Rating - July 1970

Exceptional Service Medal for Apollo 12 Mission - November 12, 1970

Presidential Medal of Freedom Awarded to the Apollo 13 Mission Operations Team - April 1970

Exceptional Service Medal for Apollo 15 - October 1, 1971 NASA Headquarters Creative lanagement Award - April, 1975