WEDNESDAY ATTENDEES

WEDNESDAY, SEPTEMBER 19, 1973

ATTENDANCE LIST

A

Paul G. Adams
Marketing Applications Manager
Industrial Systems
Electronic Associates, Inc.
6500 Pearl Road
Cleveland, OH 44130

Robert Ainsworth
Development Engineer
Zimmer
727 North Detroit
Warsaw, IN 46580

Douglas L. Allen
Plant Manager
U. S. Industrial Chemicals Company
P. O. Box 218
Tuscola, IL 61953

D. S. Ames
Wage & Salary Administrator
The East Ohio Gas Company
1717 East Ninth Street
Cleveland, OH 44114

John P. Andes
Vice President & Director
Aero-Scientific Group
Calspan Corporation
P. O. Box 235
Buffalo, NY 14221

F. D. Applegate
Director, Product Engineering
General Dynamics Corporation
P. O. Box 80877
San Diego, CA 92138

Paul Armstrong
Rotary Club of Cleveland
Hotel Statler-Hilton
Cleveland, OH 44114

Haig Asdurian
Manager, F-17 Aero/Propulsion
Northrop Corporation
3901 West Broadway
Hawthorne, CA 90250

James F. Asmus
Executive Director
Transportation Research Center
of Ohio
P. O. Box A-111
East Liberty, OH 43319

Kenneth C. Atchinson
Public Affairs Officer
NASA Headquarters (Code R-2)
Washington, DC 20546

R. R. Atherton
Assistant Chief Engineer
United Aircraft Corporation
Pratt & Whitney Aircraft Division
Florida R&D Center, P.O. Box 2691
West Palm Beach, FL 33402

B

Dr. Denes Bardos
Materials Research Director
Zimmer
727 North Detroit
Warsaw, IN 46580

Dr. H. M. Barnard
Vice President
Teledyne Brown Engineering
300 Sparkman Drive
Huntsville, AL 35807

Roger J. Barnicki
Office of the Director of
Flight Operations
Flight Research Center (Code FO)
Edwards, CA 93523

J. I. Baron
President, Baron Drawn
Steel Corporation
P. O. Box 3275, Station C
Toledo, OH 43607

Dr. William E. Barry
Assistant Executive Secretariat
NASA Headquarters (Code AX)
Washington, DC 20546

Dr. E. Barton
United Aircraft Corporation
Pratt & Whitney Aircraft Division
Florida R&D Center, P.O. Box 2691
West Palm Beach, FL 33402

J. Paul Bennett
Graphics & Exhibits Branch
Ames Research Center (Code ATG)
Moffett Field, CA 94035

F. D. Berkeley
President, Graham Manufacturing
Company, Inc.
26 Harvester Avenue
Batavia, NY 14020

D. S. Blake
Director, Aircraft Turbine
Project Engineering
AVCO Lycoming Division
550 South Main Street
Stratford, CT 06497

Robert J. Blasczyk
Maintenance Superintendent
Automotive Products Division
Rockwell International
Braceville Road
Newton Falls, OH 44444

Jerry Bostick
Assistant Executive Secretariat
NASA Headquarters (Code AX)
Washington, DC 20546

Fred W. Bowen, Jr.
Executive Assistant to the
Associate Administrator for Aeronautics & Space Technology
NASA Headquarters (Code R-1)
Washington, DC 20546

Eugene Braig
Misty Lake Apartment #101
16460 Heather Lane
Middleburg Heights, OH 44130

Rico R. Brandi
Manager, Research & Development
Ex-Cell-O Corporation
1200 Oakman Boulevard
Detroit, MI 48238

William J. Brennan
President, Rocketdyne Division of
Rockwell International
Dept. 597, Div. 055, Mail Zone AA-49
6633 Canoga Avenue
Canoga Park, CA 91304

Eugene T. Brooks
Director of Engineering
Gast Manufacturing Corporation
P. O. Box 97
Benton Harbor, MI 49022

James R. Brown, Jr.
President, Mining & Construction
Group
Dresser Industries, Inc.
P. O. Box 718
Dallas, TX 75221

Richard E. Brown
Manager of Product Planning
Air-Maze Division
Rockwell International
25000 Miles Road
Cleveland, OH 44128

Eldon M. Brumbaugh
Director, Corporate Engineering
J. I. Case Company
700 State Street
Racine, WI 53404

R. W. Buckman
Manager, Materials Science
Westinghouse Electric Corporation
P. O. Box 10864
Pittsburgh, PA 15236

Nicholas Buian
Personnel Director, City of Akron
Municipal Building, 166 S. High Street
Akron, OH 44308

John F. Burridge
Division Vice President, Marketing
United Aircraft Corporation
Hamilton Standard Division
Windsor Locks, CT 06096

Carl D. Burt
President, The Riester & Thesmacher Company
1526 W. 25th Street
Cleveland, OH 44113

Howard W. Busse
Investment Officer
Continental Bank
1255 Euclid Avenue
Cleveland, OH 44115

C

James L. Carpenter
Chief, Systems Safety
Martin-Marietta Aerospace
Orlando Division, MP-3
P. O. Box 5837
Orlando, FL 32805

Donald D. Carrell
Technical Director, Lake Erie Regional Transportation Authority
33 Public Square, Room 1015
Cleveland, OH 44113

George S. Case, Jr.
Director & Member of Executive Committee
The Lamson & Sessions Company
5000 Tiedeman Road
Cleveland, OH 44114

T. C. Cawley
Manager, Rocket Market
Westinghouse Electric Corporation
P. O. Box 1693
Baltimore, MD 21203

Charles S. Ceroky
Graham Manufacturing Company, Inc.
26 Harvester Avenue
Batavia, NY 14020

George Chandler
Office of the Administrator
NASA Headquarters (Code AX)
Washington, DC 20546

George W. Cherry
Deputy Associate Administrator for Programs
Office of Aeronautics & Space Technology
NASA Headquarters (Code RD-P)
Washington, DC 20546

Morgan Christensen
General Electric Company
Nela Park
Cleveland, OH 44112

Frank Cimperman
2701 Devon Hill
Rocky River, OH 44116

J. Leo Clark
Vice President & General Manager
Engineering Model & Mock-Up Division
Atkins & Merrill, Inc.
Main Street
Ashland, MA 01721

Gene A. Cole
Sales Engineer
Waukesha Foundry Company, Inc.
1300 Lincoln Avenue
Waukesha, WI 53186

Mrs. Merrill Colegrove
Promotion Manager, Globe Trotter
Communications (WIXY)
3940 Euclid Avenue
Cleveland, OH 44115

W. R. Collier
Manager, Evendale Engine Systems
Programs
General Electric Company
Evendale Plant - H4
Cincinnati, OH 45215

R. Cooper
Manager, Abex Corporation
Abbe & Taylor Roads
Elyria, OH 44035

Paul M. Cornez
Federal & Marine Marketing Manager
Carrier Corporation
P. O. Box 710
Jeannette, PA 15644

B. E. Council
Assistant Manager, Technical
Services, Marketing
Continental Oil Company
1755 Glenarm Place
Denver, CO 80202

Louis B. Courtot
Senior Staff Engineer
The Weatherhead Company
300 East 131st Street
Cleveland, OH 44108

Earl Crall
6459 E. Vancey Drive
Brook Park, OH 44142

Dr. Kent W. Creswell
General Manager, WOSU-AM-FM-TV
The Ohio State University
2400 Olentangy River Road
Columbus, OH 43210

Kim R. Crossman
c/o Robert H. Crossman
Lindsay Wire Weaving Company
14001-14299 Aspinwall Avenue
Cleveland, OH 44110

Robert H. Crossman
Lindsay Wire Weaving Company
14001-14299 Aspinwall Avenue
Cleveland, OH 44110

John C. Culbertson
4218 West 222nd Street
Fairview Park, OH 44126

D

Thomas F. Dambach
Chief Engineer, Gould, Inc.
3631 Perkins
Cleveland, OH 44114

Dr. Harold R. Day
Manager, Lamp Manufacturing
Research Laboratory
General Electric Company
Nela Park
Cleveland, OH 44112

B. K. Dent
Director of Mfg. Corp.
Sheller-Globe Corporation
P. O. Box 1270
Toledo, OH 43624

George C. Deutsch
Director, Materials & Structures Division
Office of Aeronautics & Space Technology
NASA Headquarters (Code RW)
Washington, DC 20546

Robert K. Dickerson
Vice President
Leo A. Daly Company
8600 Indian Hills Drive
Omaha, NE 68114

John J. Dietz
Director, New Product Development
McGraw Edison Company, Inc.
2 Babcock Place
West Orange, NJ 07052

J. F. Dodd
Manager, Engineering Administration
Euclid, Incorporated
22221 St. Clair Avenue
Cleveland, OH 44117

Steve J. Domokos
Rocketdyne Division
Rockwell International Corporation
6633 Canoga Avenue
Canoga Park, CA 91304

Richard B. Doner
3377 Bradford Road
Cleveland Heights, OH 44118

Charles J. Donlan
Deputy Associate Administrator for
Manned Space Flight (Technical)
NASA Headquarters (Code MD-T)
Washington, DC 20546

John P. Donnelly
Assistant Administrator for
Public Affairs
NASA Headquarters (Code F)
Washington, DC 20546

Andrew Drake
Comptroller, Davis Bakery, Inc.
14325 Euclid Avenue
East Cleveland, OH 44112

Wilson J. Drouhard
Mansfield Sanitary, Inc.
150 E. First Street
Perrysville, OH 44864

W. H. Drummond
Vice President, Dev. Engineering
McDonnell Douglas Corporation
5301 Bolsa Avenue
Huntington Beach, CA 92647

Dr. John E. Duberg
Associate Director
Langley Research Center (MS 103)
Langley Station
Hampton, VA 23665

E

Wendell Eaton
Engineering Manager
R. R. Donnelley & Sons Company
1145 Conwell
Willard, OH 44890

C. E. Eckert
Manager, Application & Production
Engineering
Euclid, Incorporated
22221 St. Clair Avenue
Cleveland, OH 44117

Robert E. Eddy
Deputy Director of Research Support
Ames Research Center (200-5)
Moffett Field, CA 94035

Lyman M. Edwards
Division Systems Coordinator
Research & Engineering
Petroleum Services Division
Dresser Industries, Inc.
P. O. Box 1407
Houston, TX 77001

George C. Ellert
Penn Central Transportation Company
Room 114, West Concourse
Cleveland Union Terminal
50 Public Square
Cleveland, OH 44113

Richard Elliott
General Manager
Elyria Chamber of Commerce
Elyria, OH 44035

Dr. Eugene M. Emme
NASA Historian
NASA Headquarters (Code AAE)
Washington, DC 20546

Richard O. Endres
President, Computest Corporation
3 Computer Drive
Cherry Hill, NJ 08002

Robert Ericksen
Company Pilot & Support Engineer
Engineering Model & Mock-Up Division
Atkins & Merrill, Inc.
Main Street
Ashland, MA 01721

Melvin H. Erickson
Manager, Plans & Programs
Teledyne CAE
P. O. Box 1011
Toledo, OH 43697

William B. Esson
Executive Director
Youngstown Hospital Association, Inc.
Gypsy Lane at Goleta
Youngstown, OH 44502

F

Donald R. Fegley
Vice President, Engineering
Van Dorn Company
P. O. Box 5110
Cleveland, OH 44101

D. E. Fiedler
Chief, Program Planning Office
Future Programs Division
Lyndon B. Johnson Space Center
(Code ER2)
Houston, TX 77058

Hyman B. Finegold
Director of Engineering
Globe Tool & Engineering Company
5051 Kitridge Road
Dayton, OH 45424

Lynn Firestone
Vice President
Ohio Edison Company
47 North Main Street
Akron, OH 44308

Fred M. Fister
Manager, Administrative Services
B. F. Goodrich Company
9921 Brecksville Road
Cleveland, OH 44141

William A. Fleming
Senior Technical Officer
Office of Policy & University Affairs
NASA Headquarters (Code PA)
Washington, DC 20546

Dr. James C. Fletcher
Administrator
NASA Headquarters (Code A)
Washington, DC 20546

Robert W. Fort
President, Medusa Corporation
P. O. Box 5668
Cleveland, OH 44101

Dale P. Fosnight
President
Colonial Rubber Company
P. O. Box 111
Ravenna, OH 44266

Sig L. Fredericks
Manager, Combustion & Metallurgy
AIRCO Industrial Gases
575 Mountain Avenue
Murray Hill, NJ 07974

John J. Freeman
Vice President, Research
Neville Chemical Company
Grand Avenue at Navy Road
Pittsburgh, PA 15225

Clyde Furgason
Vice President, Research & Metallurgy
Ladish Company
5481 S. Packard Avenue
Cudahy, WI 53110

Arthur Fusco
Sales Manager, Industrial Division
George Worthington Company
P. O. Box 6028
Cleveland, OH 44101

G

Dr. J. Gadd
TRW Incorporated
1400 North Cameron Street
Harrisburg, PA 17105

Thomas R. Gagnier
Chief, Reliability Engineering Staff
Martin Marietta Aerospace
Orlando Division, MP-3
P. O. Box 5837
Orlando, FL 32805

Reggie Garrett
Sherwin Williams Company
601 Canal Road
Cleveland, OH 44113

Thomas E. Glynn
Euclid, Incorporated
22221 St. Clair Avenue
Cleveland, OH 44117

J. K. Gogia
Power Equipment Division
Lear Siegler, Inc.
17600 Broadway
Maple Heights, OH 44137

Herbert Grandage
Vice President & General Manager
Synflex Division, Samuel Moore
& Company
Main & Orchard Streets
Mantua, OH 44255

R. Grekila
Westinghouse Electric Research
Laboratories
Beulah Road & Churchill Boulevard
Pittsburgh, PA 15235

Cornelius L. Griffith
Graduate Student, School of
Engineering
Princeton University
Guggenheim Laboratories
James Forrestal Campus
Princeton, NJ 08540

Charles Grossman
Vice President
Asbestos Products Company, Inc.
3865 West 150th Street
Cleveland, OH 44111

Dr. Norman Grossman
Vice President
Fairchild Republic Division
Fairchild Industries
Farmingdale, Long Island, NY 11735

Joe J. Guerrero
Aircraft Systems Quality
Assurance Branch
Johnson Space Center (CC2)
Houston, TX 77058

Edward B. Gutta
Otis Material Handling
Otis Elevator Company
8000 Baker Avenue
Cleveland, OH 44102

H

J. E. Hagerman
Sales/Programming
Ohio Machine & Mold Co., Inc.
P. O. Box 7087
Akron, OH 44306

T. W. Hagler, Jr.
President
Georgia Iron Works Company
P. O. Box 626
Grovetown, GA 30813

John D. Hiagler
Langley Research Center (MS 252)
Langley Station
Hampton, VA 23665

Harry Halamandaris
Teledyne Industries, Inc.
Teledyne Systems Company
19601 Nordhoff Street
Northridge, CA 91324

Jesse H. Hall
5951 West 215th Street
Fairview Park, OH 44126

Harold W. Hamilton
Unistrut Service of Ohio
15752 Industrial Parkway
Cleveland, OH 44135

David P. Handke
Manager, Engineering Services
The Standard Oil Company (Ohio)
Midland Building
Cleveland, OH 44115

G. J. Hartman
President, Ohio Steel
Tube Company
W. Main Street
Shelby, OH 44875

George F. Hausmann
Manager, Advanced Projects
United Aircraft Research Laboratories
United Aircraft Corporation
East Hartford, CT 06108

E. L. Hays
Chief, Urban Systems Project Office
Engineering & Development Directorate
Johnson Space Center (Code EZ)
Houston, TX 77058

Louis P. Hehman
President, Rotary Club of Cleveland
358 Hotel Statler Hilton
Cleveland, OH 44115

Ralph H. Heller
Engineering Manager
Aluminum Company of America
2210 Harvard Avenue
Cleveland, OH 44105

Charles A. Hermann
23857 Maple Ridge
North Olmsted, OH 44070

George Herzberger
General Manager, Safety First
Supply Company
1990 East 69th Street
Cleveland, OH 44103

William C. Heyne
Plant Manager
Rockwell International
Braceville Road
Newton Falls, OH 44444

Arthur W. Hicks
Atkins & Merrill, Inc.
Main Street
Ashland, MA 01721

John W. Hoffman
Director, Division of Engineering
Research
Michigan State University
East Lansing, MI 48823

Ambros Hoffmann
Mechanical Design
AVCO Lycoming Division
550 South Main Street
Stratford, CT 06497

J. W. Hood, Jr.
Manager, Aluminum Company
of America
2210 Harvard Avenue
Cleveland, OH 44105

Edmund Howie
Assistant Director, The Knowledge
Availability Systems Center
University of Pittsburgh
Pittsburgh, PA 15260

Abe Hyatt
Rockwell International
1700 East Imperial Highway
El Segundo, CA 90245

I

Paul T. Irwin
Vice President & General Manager
Irwin Steel Corporation
Drawer 1388, Station C
Canton, OH 44708

W. H. Isely
Centaur Program Manager
Aerospace Division
Honeywell, Inc.
13350 U.S. Highway 19
St. Petersburg, FL 33733

J

Roy P. Jackson
Associate Administrator for
Aeronautics & Space Technology
NASA Headquarters (Code R)
Washington, DC 20546

J. E. Jansen
Vice President, Research &
Development
B. F. Goodrich Company
9921 Brecksville Road
Cleveland, OH 44141

Henry E. Jensen
Executive Vice President
Eltra Corporation
3043 Walton Road
Plymouth Meeting, PA 19462

L. A. Jobling
Towmotor Corporation
7111 Tyler Boulevard
Mentor, OH 44060

Irving Johnsen
2265 Bradley Road
Westlake, OH 44145

Carl E. Johnson
Vice President, Research &
Development
Amoco Chemicals Corporation
P. O. Box 400
Naperville, IL 60540

Richard A. Jones
Safety & Health Director
Johnson Rubber Company
16025 Johnson Street
Middlefield, OH 44062

K

Marvin J. Kahn
Executive Vice President
AAI Corporation
Industry Lane
Cockeysville, MD 21030

Colonel Robert B. Kalisch
Chief, Science & Technology Division
Air Force Headquarters
Washington, DC 20330

A. Kalitinsky
Vice President, Long Range Planning
General Dynamics Corporation
P. O. Box 80877
San Diego, CA 92138

Gary Gehrig
National Acme Company
Acme Cleveland Corporation
170 E. 131st Street
Cleveland, OH 44108

D. M. Kelley
Manager, Advanced Products
Euclid, Incorporated
22221 St. Clair Avenue
Cleveland, OH 44117

Marion I. Kent
Office of University Affairs
Marshall Space Flight Center (Code AD-S)
Huntsville, AL 35812

Ralph Ketchum
Manager, General Electric Company
P. O. Box 204
Wilmington, MA 01887

Edwin C. Kilgore
Deputy Associate Administrator
(Management)
Office of Aeronautics & Space
Technology
NASA Headquarters (Code RD-M)
Washington, DC 20546

J. M. Kimrough
General Manager of Sales, Eastern
Area
Republic Steel Corporation
Republic Building
Cleveland, OH 44101

R. W. King
Vice President, Linde Division
Union Carbide Corporation
270 Park Avenue
New York, NY 10017

E. K. Klein
Vice President & General Manager
Williams Research Corporation
2280 West Maple Road
Walled Lake, MI 48088

K. S. Kleinknecht
Manager, Skylab Program
Johnson Space Center (Code KA)
Houston, TX 77058

Raymond A. Kline
Assistant Associate Administrator for
Organization & Management
NASA Headquarters (Code D)
Washington, DC 20546

Carroll P. Krupp
Manager, New Products Development
B. F. Goodrich Company
P. O. Box 340
Troy, OH 45373

W. A. Kuhrt
Division President
Sikorsky Aircraft Division
United Aircraft Corporation
North Main Street
Stratford, CT 06602

Jack Kunkel
American Airlines, Inc.
Cleveland Hopkins International Airport
Cleveland, OH 44135

L

Joseph R. Leal
Senior Staff Associate
Celanese Research Company
Box 1000
Summit, NJ 07901

Jerome Lederer
Flight Safety Foundation
1800 North Kent
Arlington, VA 22209

Jack Lenser
c/o Honorable Donald L. Woodland
Ohio Senate - 16th District
State House
Columbus, OH 43215

Michael D. Leshner
Graduate Student, School of Engineering
Princeton University
Guggenheim Laboratories
James Forrestal Campus
Princeton, NJ 08540

James N. Lew
Vice President, Engineering
Beech Aircraft Corporation
3709 E. Central
Wichita, KS 67201

Carl R. Lezius
President, Lezius-Hiles Company
1929 E. 61st Street
Cleveland, OH 44103

H. R. Lilley
Director of Engineering
General Motors Corporation
408 Dana Street, NE
Warren, OH 44482

William Lilley
Insurance & Safety Officer
City of Akron
Municipal Building, 166 S. High Street
Akron, OH 44308

John Limbocker, Jr.
Assistant to the President
Oglebay Norton Company
1200 Hanna Building
Cleveland, OH 44115

Walter W. Long
Associate Director, Technology Application Center
University of New Mexico
Albuquerque, NM 87106

Dr. George M. Low
Deputy Administrator
NASA Headquarters (Code AD)
Washington, DC 20546

H. Loweth
Office of Management & Budget
Executive Office of the President
Washington, DC 20503

K. C. Lowstetter
Technical Director
Abex Corporation
Abbe & Taylor Roads
Elyria, OH 44035

Dr. C. A. Lundquist
Director of Space Sciences Laboratory
Marshall Space Flight Center
Huntsville, AL 35812

Dr. W. T. Lyn
Senior Technical Advisor
Cummins Engine Co., Inc.
432 Washington Street
Columbus, IN 47201

Mc

William McCann
Science Writer
Cleveland Plain Dealer
1801 Superior Avenue
Cleveland, OH 44114

K. C. McClellan
Manager, Central Regional Office
Interstate Electronics Corporation
349 W. First Street
Dayton, OH 45402

Dr. Dudley S. McConnell
Assistant Administrator for
Equal Opportunity Programs
NASA Headquarters (Code KS)
Washington, DC 20546

Richard S. McCurdy
Associate Administrator for
Organization & Management
NASA Headquarters (Code D)
Washington, DC 20546

Jack R. McDowell
Project Manager, Space Experiments
Battelle Memorial Institute
505 King Avenue
Columbus, OH 43201

E. L. McInnis
Assistant to Director
Center Plans & Resources Office
Marshall Space Flight Center
Huntsville, AL 35812

R. A. McIntyre
Vice President
AMETEK, Inc.
6279 E. Slauson Avenue
Los Angeles, CA 90040

George McKenzie
Ladish Company
5481 S. Packard Avenue
Cudahy, WI 53110

John McMurray
Coats & Clark's Sales Corporation
15825 Industrial Parkway
Cleveland, OH 44135

A. L. McPike
Douglas Aircraft Company
3855 Lakewood Boulevard
Long Beach, CA 90856

M

L. Maddocks
Manager, R. R. Donnelley
& Sons Company
1145 Conwell
Willard, OH 44890

Dr. Artur Mager
Vice President & General Manager
Engineering Science Operations
The Aerospace Corporation
P. O. Box 95085
Los Angeles, CA 90045

Bernard Maggin
Deputy Director
NASA/DOT Office of Noise Abatement
NASA Headquarters (Code RK)
Washington, DC 20546

Allen L. Manson
Aircraft Operations Office
Johnson Space Center (Code CC3)
Houston, TX 77058

Nicholas Maropis
Vice President, Engineering
Uniform Tubes, Inc.
200 West 7th Avenue
Collegeville, PA 19426

E. V. Marshall
Division Vice President & General Manager
United Aircraft Corporation
Pratt & Whitney Aircraft Division
Florida R&D Center, P. O. Box 2691
West Palm Beach, FL 33402

Dr. A. B. Martin
Program Manager, Space Systems Program
Atomics International
8900 DeSoto Avenue
Canoga Park, CA 91304

Thomas W. Mastin
President, Lubrizol Corporation
29400 Lakeland Boulevard
Wickliffe, OH 44092

Axel T. Mattson
Assistant Director for Center
Development & External Affairs
Langley Research Center (MS 115)
Langley Station
Hampton, VA 23665

M. H. May
Manager, Fenix & Scisson, Inc.
P. O. Box 15408
Las Vegas, NV 89114

R. A. Meade
Manager, Advanced Engineering
General Motors Corporation
408 Dana Street, NE
Warren, OH 44482

Donald J. Meister
Marketing Manager, Romec Division
Lear Siegler, Inc.
241 S. Abbe Road
Elyria, OH 44035

Ralph C. Melena
Ferro Corporation
7050 Krick Road
Cleveland, OH 44146

Dane A. Miller
Development Engineering Director
Zimmer
727 North Detroit
Warsaw, IN 46580

Dr. Charles R. Milone
Vice President, Research & General
Products Development
Goodyear Tire & Rubber Company
1144 E. Market Street
Akron, OH 44316

J. Moffitt
Manager, United Artists
Broadcasting Company
8443 Day Drive
Cleveland, OH 44129

Edward B. Monteath
Program Manager, Atlas/Thor Programs
Rocketdyne Division
Rockwell International
6633 Canoga Avenue
Canoga Park, CA 91304

C. Montgomery
Manager
Thomas Industries, Inc.
1419 Illinois Avenue
Sheboygan, WI 53081

Mrs. Mary Montgomery
2010 David Avenue
Sheboygan, WI 53081

Miss Patricia Mooney
Office of Management & Budget
Executive Office of the President
Washington, DC 20503

F. B. Moore
Director of Astrionics Laboratory
Marshall Space Flight Center (Code S&E-ASTR-DIR)
Huntsville, AL 35812

Richard Moorhead
Associate Editor
Findlay Publishing Company, Inc.
308 Broadway
Findlay, OH 45840

Kenneth Morley
The H. K. Ferguson Company
1 Erieview Plaza
Cleveland, OH 44114

I. G. Morrison
Assistant Director, Contract R&D
Dow Chemical Company
2030 Dow Center
Midland, MI 48640

Jack Mowry
Publisher, Sound & Vibration Magazine
P. O. Box 9665
Cleveland, OH 44140

John D. Moynihan
HYREL Coordinator
Sprague Electric Company
87 Marshall Street
No. Adams, MA 01247

M. C. Mueller
Executive Assistant to the President
E-Systems, Inc., Garland Division
P. O. Box 6118
Dallas, TX 75222

Charles F. Murphy
Vice President of Research & Engineering
Graco, Inc.
P. O. Box 1441
Minneapolis, MN 55440

Joseph J. Murphy
Director, Corporate Plan Administration
United Air Lines
P. O. Box 66100
Chicago, IL 60666

William L. Murray
Vice President, Rosemount Engineering Company
P. O. Box 35129
Hopkins, MN 55343

Boyd C. Myers, II
Assistant Associate Administrator for Organization & Management
NASA Headquarters (Code D)
Washington, DC 20546

N

K. R. Neale
Manager of Marketing
American Chain & Cable Co., Inc.
P. O. Box 1790
Waterbury, CT 06716

David H. Newby
Director, Administration & Program Support (Code A&PS-DIR)
Marshall Space Flight Center
Huntsville, AL 35812

Harry V. Newell
Division Superintendent, Cuyahoga Plant
United States Steel Corporation
4300 E. 49th Street
Cleveland, OH 44105

Kenneth E. Newton
Vice President, Program Director
Launch Vehicles Programs
General Dynamics Corporation
Convair Aerospace Division
P. O. Box 80847
San Diego, CA 92138

W. J. North
Assistant Director for Space Shuttle
Flight Crew Operations Directorate
Johnson Space Center (Code CA)
Houston, TX 77058

O

Leonard J. Obery
Wright-Patterson Air Force Base
AFAPL/TBD
Dayton, OH 45433

Adam A. Olis
Superintendent of Engineering
& Maintenance
PPG Industries, Inc.
3609 Limestone Drive
Barberton, OH 44203

A. H. Orbuch
President
Teledyne Industries, Inc.
19601 Nordhoff
Northridge, CA 91324

R. B. Ormsby
Vice President, STOL Program Manager
Georgia Company
Lockheed Aircraft Corporation
86 South Cobb Drive
Marietta, GA 30063

P

Robert P. Palomo
Division Planning Manager
Ohio Bell Telephone Company
100 Erieview Plaza, Room 1400
Cleveland, OH 44122

Richard F. Pamley
Employment Manager, City of Akron
Municipal Building, 166 S. High Street
Akron, OH 44308

Donald D. Pascal
Manager, Engineering Technology
United Aircraft Corporation
Pratt & Whitney Aircraft Division
400 Main Street
East Hartford, CT 06108

W. R. Peavy
Project Executive
Stearns-Roger, Inc.
P. O. Box 5888
Denver, CO 80222

A. H. Perugi
Manager, Aerothermo & Advanced
Technical Programs
General Electric Company
1 River Road, Bldg. 500-110
Schenectady, NY 12345

William F. Pieper
Director, Environmental Engineering
The Flying Tiger Corporation
7401 World Way West
Los Angeles, CA 90009

Dr. E. Platt
School of Engineering
Princeton University
Guggenheim Laboratories
James Forrestal Campus
Princeton, NJ 08540

William B. Pollock, II
President, Board of Trustees
Youngstown Hospital Association, Inc.
Gypsy Lane at Goleta
Youngstown, OH 44502

David Pratt
Manager, Capital National Bank
404 West Bagley Road
Berea, OH 44017

Aubrey G. Price
Viking Project Office
Langley Research Center (MS 159)
Langley Station
Hampton, VA 23665

George E. Puryear
Midwestern Regional Manager
Celesco Industries, Inc.
4130 Linden Avenue, Suite 185
Dayton, OH 45385

R

Rowland A. Raeburn
Vice President of Engineering
McNeil Corporation
96 Crosier Street
Akron, OH 44311

G. Rappaport
President, Napco Industries, Inc.
1600 Second Street, South
Hopkins, MN 55343

Ivan Rattinger
Director of Plans & Programs
System Development Corporation
2500 Colorado Avenue
Santa Monica, CA 90404

W. S. Raymer
Corporate Consultant
All Star Products, Inc.
P. O. Box 487
Defiance, OH 43512

H. E. Ream
Aircraft Operations Office
Flight Crew Operations Directorate
Johnson Space Center (Code CC3)
Houston, TX 77058

Norman C. Reuel
Vice President, Liquid Rocket Programs
Rocketdyne Division
Rockwell International
6633 Canoga Avenue
Canoga Park, CA 91304

Byron L. Reynolds
Aeronca, Inc.
1712 Germantown Road
Middletown, OH 45042

Walter E. Reynolds, Jr.
Deputy Director, Government Affairs
Allis-Chalmers Corporation
1101 17th Street, NW
Washington, DC 20036

Frank W. Riddell
Vice President, Engineering
AVCO Corporation
P. O. Box 30
Williamsport, PA 17701

Ross D. Rives
Marshall Space Flight Center
(Code A&PS-MS-GM)
Huntsville, AL 35812

Mrs. Jean Robbins
c/o Joseph Robbins
Wallops Station (Code DA)
Wallops Island, VA 23337

Joseph E. Robbins
Director of Administration
Wallops Station (Code DA)
Wallops Island, VA 23337

Donald A. Romonto
Manager, Engineering Analysis
Euclid, Incorporated
22221 St. Clair Avenue
Cleveland, OH 44117

R. H. Ross
Chief Engineer, Aerospace Physics
Chrysler Corporation
P. O. Box 29200
New Orleans, LA 70129

John B. Ruhlin
Vice President
John G. Ruhlin Construction Company
200-111 Cascade Plaza
Akron, OH 44308

H. Runyon
Manager, Varian Associates
1678 S. Pioneer Road
Salt Lake City, UT 84104

S

L. Sama
HITEMCO
Cantiague Road
Hicksville, NY 11802

Pete Samko
Metallurgist, Erico Products, Inc.
34600 Solon Road
Cleveland, OH 44139

Fred Sanford
Director, Lorain County
Development Committee
201 Robinson Building
Elyria, OH 44035

R. Sarpolus
Sales Engineer
Bendix Corporation
W/S Route 35
Eatontown, NJ 07724

James H. Schattinger
Executive Vice President
Pioneer Manufacturing Company
3053 E. 87th Street
Cleveland, OH 44104

Lee R. Scherer
Director
Flight Research Center
P. O. Box 273
Edwards, CA 93523

Edward S. Schorsten
Chief, Protocol Branch
Marshall Space Flight Center (Code
PA-P)
Huntsville, AL 35812

Walter R. Schuele
Unistrut Service of Ohio
15752 Industrial Parkway
Cleveland, OH 44135

Robert A. Seabol
General Sales Manager
Permali, Inc.
P. O. Box 718
Mt. Pleasant, PA 15666

Dean E. P. Segner, Jr.
University of Alabama, Tuscaloosa
P. O. Box 2846
University, AL 35486

William H. Sens
Manager, Advanced Gas Turbine Projects
United Aircraft Corporation
Pratt & Whitney Aircraft Division
400 Main Street
East Hartford, CT 06108

R. J. Shaltis
Vice President & Chief
Engineer, Filters
Hastings Manufacturing Company
300 North Hanover
Hastings, MI 49058

Thomas Shillito
NASA Rep/F-15 SPO
AFB/YF
Wright Patterson AFB, OH 45433

T. L. Shubert
Manager, Business Planning
Goodyear Aerospace Corporation
1210 Massillon Road
Akron, OH 44315

W. Sidney
Manager, Kaiser Aerospace
& Electronics
880 Doolittle Drive
San Leandro, CA 94577

William E. Simpkin
Supervisor, Propulsion Performance
& Environmental Control
Vought Aeronautics Division
LTV Aerospace Corporation
P. O. Box 5907
Dallas, TX 75222

E. R. Sirotak
Chief Engineer
Towmotor Corporation
7111 Tyler Boulevard
Mentor, OH 44060

Theodore G. Slaiby
Manager, Powerplant Design & Analysis
United Aircraft Corporation
Pratt & Whitney Aircraft Division
400 Main Street
East Hartford, CT 06108

C. Slany
Manager, Kewanee Oil Company, Inc.
1000 Harvard Avenue
Cleveland, OH 44109

Dr. A. M. Smith
von Karman Gasdynamic Facility
ARO, Inc.
Arnold AFS, TN 37389

Dr. Cameron M. Smith
Executive Director, Lake Erie
Regional Transportation Authority
33 Public Square, Room 1015
Cleveland, OH 44113

Roger Smith
Wallops Station
Wallops Island, VA 23337

Dr. Howard Sorrows
Associate Director for Programs
National Bureau of Standards
Department of Commerce
Gaithersburg, MD 20234

W. Stein
Director, Mechanical Design
AVCO Lycoming Division
550 South Main Street
Stratford, CT 06497

R. E. Stinson
President, The Bettcher
Manufacturing Corporation
16000 Commerce Park Drive
Cleveland, OH 44142

Irving I. Stone
President, American Greetings Corp.
10500 American Road
Cleveland, OH 44144

Professor Martin Summerfield
School of Engineering
Princeton University
Guggenheim Laboratories
James Forrestal Campus
Princeton, NJ 08540

C. G. Svala
Vice President, Technical Division
North Electric Company
Galion, OH 44833

D. E. Swedenborg
Director, NFM/Sci. & Soc.
Govt. Opns.
10401 Fernwood Road
Bethesda, MD 20034

T

J. L. Tathwell
President, Fluor Ocean Services, Inc.
6200 Hillcroft
Houston, TX 77036

Y. Telang
Ford Motor Company
2000 Rotunda Drive
P. O. Box 2053
Dearborn, MI 48123

Fred Tod, Jr.
President, Youngstown Hospital
Association, Inc.
Hypsy Lane at Goleta
Youngstown, OH 44502

Robert L. Toft
Manager, Engineering Programs
United Aircraft Corporation
Pratt & Whitney Aircraft Division
400 Main Street
East Hartford, CT 06108

Lt. Col. Thomas M. Tomaskovic
Research Applications Officer
Frank J. Seiler Research Laboratory
USAF Academy, CO 80840

M. C. Toth
Manager, Aerospace Tec-nology
Field Operations, Central Region
Defense Programs Division
General Electric Company
5100 W. 164th Street
Cleveland, OH 44142

Mr. Trausch
Champion Commercial Industries
4010 East 116th Street
Cleveland, OH 44108

Gene E. Turnham
Corporate Support Administrator
Eaton Corporation
100 Erieview Plaza
Cleveland, OH 44114

R. W. Tuthill
Vice President, AIRCO, Inc.
P. O. Box 281
Union, NJ 07083

U

Frederick B. Unger
Vice President, Greater Cleveland
Growth Association
690 Union Commerce Building
Cleveland, OH 44115

V

Frank J. Valenta
President, Cleveland AFL-CIO
Federation of Labor
2828 Euclid Avenue, Room 302
Cleveland, OH 44115

A. W. Vonderhaar
Vice President, Research & Development
The Tappan Company
Tappan Park
Mansfield, OH 44901

W

Daniel J. Wahlen
Kohler Company
High Street
Kohler, WI 53044

Robert T. Wallace
Vice President
Owens-Illinois, Inc.
P. O. Box 1035
Toledo, OH 43601

J. M. Waller
Materials Engineering Manager
International Business Machines
P. O. Box 12195
Research Triangle Park, NC 27709

Kenneth Walsh
American Federation of
Government Employees
75 Custer Road
Heath, OH 43055

Roger W. Watson
Research Supervisor
Amoco Chemicals Corporation
P. O. Box 400
Naperville, IL 60540

Charles Weaver
Data-Control Systems, Inc.
Commerce Drive
P. O. Box 584
Danbury, CT 06810

William Weikart
General Manager
Asbestos Products Company, Inc.
3865 West 150th Street
Cleveland, OH 44111

M. Brock Weir
President & Chief Executive Officer
The Cleveland Trust Company
916 Euclid Avenue
Cleveland, OH 44101

Gus W. Weiss
Senior Staff Member
Council on International Economic
Policy
Executive Office Building
Washington, DC 20500

L. F. Weiss
President
Pressure Castings, Inc.
21500 St. Clair Avenue
Euclid, OH 44119

Robert F. Werner
Business Director, Communications
& Space
Cincinnati Electronics Corporation
2630 Glendale-Milford Road
Cincinnati, OH 45241

E. Daniel Williams
5969 W. 215th Street
Fairview Park, OH 44126

R. M. Williams
President, ARO, Inc.
Arnold Air Force Station
Tullahoma, TN 37388

Roger J. Winkel
Manager, Marketing Research
Rogers Corporation
Rogers, CT 06263

Clare E. Wise
Senior Editor
Machine Design Magazine
Penton Building
Cleveland, OH 44113

J. W. Witherspoon, Jr.
Assistant Manager, Advanced Gas Turbine
Programs Commercial
United Aircraft Corporation
Pratt & Whitney Aircraft Division
400 Main Street
East Hartford, CT 06108

E. J. "Bud" Wolf
Vice President, Applications
Engineering
John Fluke Manufacturing Co., Inc.
7001 220th Southwest
Mountlake Terrace, WA 98043

Clotaire Wood
Executive Secretary
Space Applications Board
National Academy of Engineering
2101 Constitution Avenue, NW
Washington, DC 20418

Honorable Donald L. Woodland
Ohio Senate - 16th District
State House
Columbus, OH 43215

Z

L. Zirkle
Chairman of the Board
Key Tronic Corporation
Building 14, SPOK Industrial Park
Spokane, WA 99216

THURSDAY ATTENDEES

# THURSDAY, SEPTEMBER 20, 1973

## ATTENDANCE LIST

A

J. M. Abernathy
Director, Bureau of Airport Development
Wisconsin Division of Aeronautics
951 Hill Farms State Office Building
Madison, WI 53702

Colonel Frank B. Alford, Jr.
Foreign Technology Division/PDT
Wright Patterson AFB, OH 45433

William E. Allaun, Jr.
Chairman, Peninsula Airport Commission
Melson Building
Newport News, VA 23607

John G. Allen
Rockwell International
Los Angeles Division
2013 Cunningham Drive
Hampton, VA 23666

John W. Anderson
Vice President, Aerospace &
Defense Group
Honeywell, Inc.
2701 Fourth Avenue, S
Minneapolis, MN 55408

Fred G. Aten
Soil Conservation Services
P. O. Box 448
Medina, OH 44256

M. E. Avery
Manager, Payload Fairing Programs
Space Systems Division
Lockheed Missiles & Space Company
P. O. Box 504
Sunnyvale, CA 94088

B

Walt Bachnicki
Midwest Regional Manager
Master Specialties Company
35104 Euclid Avenue
Willoughby, OH 44094

Dr. Peter M. Bainum
Associate Professor of Aerospace
Engineering
Howard University
Washington, DC 20001

Richard L. Ballard
Chief, Physical Sciences Team
Physical & Engineering Sciences Office
Office, Chief of R&D
Department of the Army
Washington, DC 20310

Charles F. Barnett
Personnel Officer
Langley Research Center
Langley Station
Hampton, VA 23665

J. N. Barney
Chief, Internal Aerodynamic
Detroit Diesel Allison Division
General Motors Corporation
P. O. Box 894
Indianapolis, IN 46206

B. G. Barr
Executive Director, University of
Kansas Center for Research
2291 Irving Hill Road, Campus West
Lawrence, KS 66044

Hillard E. Barrett
Chief Engineer, Advanced Development
Detroit Diesel Allison Division
General Motors Corporation
P. O. Box 894
Indianapolis, IN 46206

Commander Eugene P. Baumann
U. S. Coast Guard
2081 FOB, 1240 E. 9th Street
Cleveland, OH 44199

W. S. Beckenbach
President, Clark Cable Corporation
3186-90 W. 32nd Street
Cleveland, OH 44109

De E. Beeler
Deputy Director
Flight Research Center
P. O. Box 273
Edwards, CA 93523

J. Paul Bennett
Graphics & Exhibits
Ames Research Center (Code ATG)
Moffett Field, CA 94035

Howard G. Bergman
Commissioner, Division of Air
Pollution Control
2735 Broadway Avenue
Cleveland, OH 44115

Tom Bernaky
Assistant Director
Cleveland Engineering Societ-
3100 Chester Avenue
Cleveland, OH 44114

C. F. Berninger
Vice President, Engineering &
Research
Textron, Inc.
22221 Niagara Falls Boulevard
Niagara Falls, NY 14304

Joseph Berwanger
Director of Community Relations
280 East Broad Street
Columbus, OH 43215

D. P. Bickel
Electronic Field Engineer
Hewlett-Packard Company
1501 Page Mill Road
Palo Alto, CA 94304

Louis T. Birch
Procurement & Supply Branch
Wallops Station
Wallops Island, VA 23337

Captain W. R. Bleakley, Jr.
Chief, Plans & Evaluation Staff (R&D)
U. S. Coast Guard
400 Seventh Street, SW
Washington, DC 20590

Frank Boudreau
4660 Kenmore Avenue, Suite 316
Alexandria, VA 22304

G. F. Bremer
Manager, Cleveland District Office
Rockwell International
Rocketdyne Division
5100 West 164th Street
Cleveland, OH 44142

Louis H. Brennwald
Director of Administration
Ames Research Center (200-23)
Moffett Field, CA 94035

Loren G. Bright
Director of Research Support
Ames Research Center (200-5)
Moffett Field, CA 94035

Dr. Richard S. Brokaw
17403 Edgewater Drive
Lakewood, OH 44107

Dr. C. A. Brown
Manager, R. M. Laboratory
General Electric Company
21800 Tungsten Road
Cleveland, OH 44117

J. A. Brown
Director, Quality Assurance
General Dynamics Corporation
P. O. Box 80877
San Diego, CA 92138

Dr. James N. Brown, Jr.
Director, Center for Technology Applications
Research Triangle Institute
P. O. Box 12194
Research Triangle Park, NC 27709

Dr. Donald H. Bryce
Manager, Special Projects
Kaman Sciences Corporation
P. O. Box 7463
Colorado Springs, CO 80933

Dr. L. L. Bucciarelli
Curator, Department of Science & Technology
National Air & Space Museum
Smithsonian Institute
Washington, DC 20560

Cliff Bulkley
Vice President
Dunham-Bush, Inc.
175 South Street
West Hartford, CT 06110

Howard S. Bush
Industrial Development Representative
Human Resources & Economic Development
City Hall, 601 Lakeside Avenue
Cleveland, OH 44114

T. Melvin Butler
Director for Center Development & External Affairs
Langley Research Center (MS 115)
Langley Station
Hampton, VA 23665

C

Christopher S. Cain
Editorial Correspondent
McGraw-Hill, Inc.
55 Public Square
Cleveland, OH 44113

Donald Cammack
Chief, Airport Planning Section
Division of Aeronautics
Department of Transportation
4802 Sheboygan Avenue
Madison, WI 53702

Janet W. Campbell
Operations Analysis Section
Langley Research Center (SSD)
Langley Station
Hampton, VA 23665

Miss Anne Candea
Information Specialist
Division of Air Pollution Control
2735 Broadway Avenue
Cleveland, OH 44115

Colonel Kenneth R. Carnahan
Chief, Plans & Programs Office FTD
Foreign Technology Division (XR)
Wright Patterson AFB, OH 45433

Lt. Col. Gordon L. Carpenter
Chief, Engineering Support Branch
Directorate of Acquisition Support
Air Force Systems Command
Space & Missile Systems Organization
P. O. Box 92960
Worldway Postal Center
Los Angeles, CA 90009

Dr. Giles F. Carter
Associate Professor of Chemistry
Eastern Michigan University
Ypsilanti, MI 48197

Weldon W. Case
President, Mid-Continent
Telephone Corporation
P. O. Box 307
Hudston, OH 44236

Leon F. Chamberlain
Supervisor - Engineering
General Electric Company
200 W. Broadway
Dover, OH 44622

G. E. Chapman
Manager, Jet Engine Sales
Detroit Diesel Allison Division
General Motors Corporation
P. O. Box 894
Indianapolis, IN 46206

Dr. C. S. Chen
Professor of Electrical Engineering
University of Akron
Akron, OH 44325

Peter J. Chenery
Director, North Carolina Science &
Technology Research Center
P. O. Box 12235
Research Triangle Park, NC 27709

Joseph Chew
Pratt & Whitney, Inc.
20800 Center Ridge Road, Suite 105
Rocky River, OH 44116

Patrick T. Chiarito
236 Plymouth Drive
Bay Village, OH 44140

E. Christopher
Manager, Philip Morris, Inc.
2211 Bells Road
Richmond, VA 23223

Lawrence A. Chuslo
Administrative Assistant & Director
Turbine Applications
Teledyne
1330 Laskey Road
Toledo, OH 43697

Dr. John F. Clark
Director
Goddard Space Flight Center
Greenbelt, MD 20771

John H. Clarke, Jr.
Wallops Station (Code DE-IPAB)
Wallops Island, VA 23337

James M. Connelly
Marshall Space Flight Center
Code A&PS-TS-MB
Huntsville, AL 35812

Preston N. Cook, Jr.
Propulsion Manager
Raytheon Company
Hartwell Road
Bedford, MA 01730

Elmer Cowan
Law Director
City Hall, 350 Dover Road
Bay Village, OH 44140

Elmer Crncovich
Airborne Science Office (211-12)
Ames Research Center
Moffett Field, CA 94035

Lester L. Cronvich
Group Supervisor, Aerodynamics
Applied Physics Laboratory
Johns Hopkins University
8621 Georgia Avenue
Silver Spring, MD 20910

Ralph E. Cushman
Special Assistant
NASA Headquarters (Code B)
Washington, DC 20546

D

Robert Danielson
Lockheed Aircraft Corporation
2555 N. Hollywood Way
Burbank, CA 91503

Colonel William R. Davis
Foreign Technology Division/PD
Wright Patterson AFB, OH 45433

Dr. Kurt H. Debus
Director
John F. Kennedy Space Center
Kennedy Space Center, FL 32899

Frederick A. Demele
Technical Assistant to Director
of Development
Ames Research Center
Moffett Field, CA 94035

Dr. Frank J. Donat
Director, New Products R&D
B. F. Goodrich Company
6100 Oak Tree Boulevard
Cleveland, OH 44131

G. Downsbrough
President
HRB-Singer, Inc.
P. O. Box 60
State College, PA 16801

Jim Dudas
Cleveland Press
901 Lakeside Avenue
Cleveland, OH 44114

Robert T. Duffy
Director of Operations
Wallops Station (Code DO)
Wallops Island, VA 23337

E

Larry J. Early
Head, Sounding Rocket Program Branch
Wallops Station (Code SRPB)
Wallops Island, VA 23337

D. R. Eastman
Chief Scientist
Arnold Engineering Development Center
Arnold Station, TN 37389

Clifford Eaton
Audio Visual Facility
Filmline Production Associates, Inc.
2902 Scott Boulevard
Santa Clara, CA 95050

Dr. Lynn Ebert
Metallurgy Department
Case Western Reserve University
Cleveland, OH 44106

Dale A. Efflandt
Administrative Officer, U. S. Army
Air Mobility Research & Development
NASA Lewis Research Center
21000 Brookpark Road
Cleveland, OH 44135

D. W. Elliott
Deputy Director, Directorate of
Chemical Sciences
Air Force Office of Scientific
Research (AB)
Department of the Air Force
Washington, DC 20330

Colonel W. C. English, Jr.
Vice Commander
Arnold Engineering Development Center
Arnold AFS, TN 37389

Robert Erickson
Lockheed Aircraft Company
2555 N. Hollywood Way
Burbank, CA 91503

F

Dr. James B. Farison
Dean, College of Engineering
The University of Toledo
Toledo, OH 43606

Charles R. Feindler
City Manager
City Hall, 65 Columbus Road
Bedford, OH 44146

Donald L. Feller
Head, Aeronautical Programs Branch
Wallops Station (Code APB)
Wallops Island, VA 23337

Richard B. Ferguson
Deputy Chief, Propulsion & Power Division
Johnson Space Center (Code EA)
Houston, TX 77058

Arthur Fisher
Popular Science Monthly
355 Lexington Avenue
New York, NY 10017

Richard Flitcraft
Monsanto Research Corporation
Mound Road
Miamisburg, OH 45342

James C. Floyd
Head, Administrative Management Branch
Wallops Station (Code AMB)
Wallops Island, VA 23337

John C. Ford
Rockwell International Corp.
Los Angeles Aircraft Division
International Airport
Los Angeles, CA 90009

E. S. Foster
President, Toledo Board
of Education
3532 Homewood Avenue
Toledo, OH 43612

Sam J. Foti
Vice President
Federal Metal Hose Corporation
Painesville, OH 44077

Rear Admiral J. H. Foxgrover
Material Acquisition (JP-2)
Naval Air Systems Command
Department of the Navy
Washington, DC 20350

William S. Freeh
Howard, Needles, Tammen &
Bergendoff
One Erieview Plaza
Cleveland, OH 44114

Arthur R. Friend
Langley Research Center (MS 111)
Langley Station
Hampton, VA 23665

G

Paul Gauger
Design Engineering
Kennedy Space Center
Kennedy Space Center, FL 32899

John B. Gaynor
Farmer Fieldman, Agriculture
Stab. & Conserv.
6556 Dawsey Road
Rockcreek, OH 44084

Phillip E. Gehring
Field Investigation Branch
Environmental Protection Agency
21919 Lorain Road
Cleveland, OH 44126

Bernard Gehrmann
Secretary, Highway Commission
Department of Transportation
951 Hill Farms State Office Building
Madison, WI 53702

J. D. Graef
Director, Engineering R&D
American Airlines, Inc.
633 Third Avenue
New York, NY 10017

James W. Gray
Wallops Station
Code DE-IEB
Wallops Island, VA 23337

R. H. Gray
Deputy Director, Launch Operations
Kennedy Space Center (Code LO-DEP)
Kennedy Space Center, FL 32899

Jewel Q. Greene
Wallops Station
Code DO-DAB-TS
Wallops Island, VA 23337

William Greathouse
Chief, Propulsion Division
Grumman Aerospace Corporation
Bethpage, NY 11714

Stanley J. Green
Vice President for Technical Affairs
General Aviation Manufacturers
Association
1025 Connecticut Avenue, Suite 1200-A
Washington, DC 20036

Dr. Arthur B. Greenberg
General Manager, Civil Programs Division
The Aerospace Corporation
P. O. Box 92957
Los Angeles, CA 90009

H

Sandy N. Hallock, II
Director, Center of Science
& Industry
280 East Broad Street
Columbus, OH 43215

William T. Hamilton
General Manager, Research &
Engineering Division
Aerospace Group
The Boeing Company
P. O. Box 3999, MS 8C-03
Seattle, WA 98124

Grant L. Hansen
Vice President & General Manager
San Diego Operation
General Dynamics/Convair
P. O. Box 80877
San Diego, CA 92138

Richard M. Harding
Sales Engineer
Conrac Corporation
4130 Linden Avenue
Dayton, OH 45432

Joseph R. Hardness
Vice President of Research
Briggs & Stratton Corporation
P. O. Box 702
Milwaukee, WI 53201

Thomas K. Hart
Deputy Secretary, Wisconsin Department
of Transportation
102B Hill Farms State Office Building
Madison, WI 53702

Charles E. Hastings
President, Teledyne-Hastings-Raydist
P. O. Box 1275
Hampton, VA 23661

G. Wayne Hawk
Executive Vice President
Moog, Inc.
Seneca Street at Jamison Road
East Aurora, NY 14052

E. J. Hazen
Staff Assistant, Engineering
Bendix Corporation
43 Williams Street
H-sbrouck Heights, NJ 07604

Jerry Hedean
Director, Community Relations
Cleveland YMCA
2200 Prospect Avenue
Cleveland, OH 44115

Raymond Heege
Finance Director
City Hall, 12650 Detroit Avenue
Lakewood, OH 44107

Rolland A. Heim
Chief, Airports District Office
Federal Aviation Administration
21010 Center Ridge Road
Rocky River, OH 44116

Eldred H. Helton
Head, Launch Vehicles Branch
Wallops Station (Code LVB)
Wallops Island, VA 23337

Robert W. Hemphill
Foreign Technology Division/XRX
Wright Patterson AFB, OH 45433

Charles Henderson
Director of Research & Technology
Atlantic Research Corporation
Shirley Highway & Edsall Road
Alexandria, VA 22314

Dr. J. C. Hester
Head, Mechanical Engineering
Clemson University
Clemson, SC 29631

Dr. Seymour C. Himmel
Deputy Associate Administrator
for Technology
Office of Aeronautics & Space
Technology
NASA Headquarters (Code RD-T)
Washington, DC 20546

Frank E. Hodgdon
Vice President, American Gas
Association, Inc.
8501 E. Pleasant Valley Road
Cleveland, OH 44131

Mrs. Katherine J. Hoffman
Personnel Department
Barth Division, McNeil Corporation
12650 Brookpark Road
Cleveland, OH 44130

Dr. Frank E. Hoge
AST, Space Physics
Wallops Station (Code DAS)
Wallops Island, VA 23337

Dr. Gordon E. Holbrook
Director of Engineering
Gas Turbine Operations
Detroit Diesel Allison Division
General Motors Corporation
P. O. Box 894
Indianapolis, IN 46206

Vincent R. Holcombe
Marketing Manager, NASA Programs
United Aircraft Corporation
Pratt & Whitney Aircraft Division
400 Main Street
East Hartford, CT 06108

Robert T. Holdren
Head, Technical Support Branch
Wallops Station (Code TSB)
Wallops Island, VA 23337

Leon Hollins
IBM Corporation
7572 Remington Road
Manassa, VA 22110

Rear Admiral L. A. Hopkins
Assistant Commander for Research
& Technology (AIR-03)
Naval Air Systems Command
Department of the Navy
Washington, DC 20361

G. D. Huffman
Chief, Aerothermo Research
Detroit Diesel Allison Division
General Motors Corporation
P. O. Box 894
Indianapolis, IN 46206

Mr. Humphreys
Manager, Federal Sign &
Signal Corporation
Mack & Tucker Streets
Shelby, OH 44875

Spencer S. Hunn
Director, Systems Research &
Development Service
Federal Aviation Administration
Washington, DC 20591

Simeon R. Hunnicutt
Environmental Systems Section (MS 198)
Langley Research Center (PED)
Langley Station
Hampton, VA 23665

J. B. Hurt
Program Director, Space Shuttle (Orbiter
Subcontracts)
General Dynamics Corporation
P. O. Box 80877
San Diego, CA 92138

Dr. Jesse C. H. Hwa
Manager, Research Planning
Stauffer Chemical Company
Nyala Farms Road
Westport, CT 06880

I

R. L. Ireland
100 Erieview Plaza, 36th Floor
Cleveland, OH 44114

J

Dr. Leonard Jaffe
Deputy Associate Administrator
for Applications
NASA Headquarters (Code ED)
Washington, DC 20546

Kenneth Jarmolow
Director, Martin Marietta
Laboratories
1450 S. Rolling Road
Baltimore, MD 21227

Marvin Jasper
Teledyne Industries, Inc.
200 North Aviation Boulevard
El Segundo, CA 90245

Norbert J. Jaworowski
Vice President, Corporate
Development
Gilford Instrument Laboratories, Inc.
132 Artino Avenue
Oberlin, OH 44074

E. W. Johnston
Manager, Systems Engineering
North American Rockwell Corporation
12214 Lakewood Boulevard
Downey, CA 90241

Ralph H. Johnston
Staff Engineer, Department 1844
General Motors Corporation
P. O. Box 2439
Anderson, IN 46011

Joe C. Jones
Acting Assistant Secretary for
Research & Development
Department of the Air Force
Washington, DC 20330

Roger Julien
Government Relations Representative
The Garrett Corporation
333 West First Street
Dayton, OH 45402

K

Colonel Richard E. Kahlen
Chief, Scientific & Technical
Liaison Division
Headquarters Air Force Systems Command
Andrews Air Force Base
Washington, DC 20334

John Kasuba
True Temper Corporation
Keith Building
Cleveland, OH 44115

Dr. William C. Kaufman
Professor & Chairman, Human Adaptability
University of Wisconsin
Green Bay, WI 54302

Gerald G. Kayten
Director, Study & Analysis Office
NASA Headquarters (Code RX)
Washington, DC 20546

Lt. Col. Mark C. Kendall
Commander, TRADOC Flight Det.
United States Army
Ft. Monroe, VA 23651

George Kittredge
Senior Technical Advisor to
Mr. Eric Stork
Environmental Protection Agency
401 M Street, SW
Washington, DC 20460

Arnett R. Knapp
Head, Financial Management Branch
Wallops Station (Code FMB)
Wallops Island, VA 23337

George Knebusch
Manager of Advance Development
Tappan Company
Air Conditioning Division
1032 East 62nd Street
Cleveland, OH 44103

Martin A. Knutson
Airborne Science Office
Ames Research Center (Code SSO)
Moffett Field, CA 94035

A. L. Kolom
Senior Vice President
Tool Research & Engineering
3030 South Red Hill Avenue
Santa Ana, CA 92705

H. H. Kopel
Manager, Design Engineering
Bailey Meter Company
29801 Euclid Avenue
Cleveland, OH 44092

Alois Krsek
5113 Parklane Drive
North Olmsted, OH 44070

Earl C. Krueger
Manager, Marketing
Sundstrand Corporation
4747-51 Harrison Avenue
Rockford, IL 61101

Eric S. Lane
Planning Director, Lakewood
City Hall, 12650 Detroit Avenue
Lakewood, OH 44107

Charles C. Laney, Jr.
Instrument Application Branch (MS 236)
Langley Research Center (IRD)
Langley Station
Hampton, VA 23665

Robert J. Lasher
Sales Manager
A. E. Ehrke & Company
5171 Mayfield Road
Cleveland, OH 44124

Dr. Marion L. Laster
Technical Advisor, R&D Division
Directorate of Technology
Arnold Engineering Development Center
Arnold AFS, TN 37389

A. M. Lerner
President
Quindar Electronics, Inc.
60 Fadem Road
Springfield, NJ 07081

Mike Loval
Airborne Science Office
Ames Research Center (211-12)
Moffett Field, CA 94035

Mac

Dr. Robert MacDowell
Vice President & Dean
Hiram College
Hiram, OH 44234

Mc

Robert J. McCloskey
President, Society of Fire Protection Engineers
17440 Northwood Avenue
Lakewood, OH 44107

Robert C. McDowell
McDowell-Wellman Engineering Company
113 St. Clair Avenue, NE
Cleveland, OH 44114

Terry J. McGiverin
Vice President, Benham-Blair & Affiliates
906 Cafritz Building
1625 Eye Street, NW
Washington, DC 20006

Joseph T. McGoogan
Director of Applied Science
Wallops Station (Code DAS)
Wallops Island, VA 23337

Marvin W. McGoogan
Director of Engineering
Wallops Station (Code DE)
Wallops Island, VA 23337

Cyrus McGovern
Finance Director
City Hall, 6161 Engle Road
Brook Park, OH 44142

Duncan McIver, Jr.
Office of Director for Electronics
Langley Research Center (MS 117)
Langley Station
Hampton, VA 23665

Captain Robert E. McKean
Chief Titan III, Launch Controller
6595 Space Test Group
Space & Missile Test Center
Vandenburg Air Force Base, CA 93437

Sean McKinley
Marketing Manager, Color Division
Ferro Corporation
4150 East 56th Street
Cleveland, OH 44105

M

I. Machlin
Department of the Navy
Code AIR-52031B
Naval Air Systems Command
Washington, DC 20360

Donald Maiden
Propulsion Aerodynamics Branch (MS 189)
Langley Research Center (HSAD)
Langley Station
Hampton, VA 23665

Charles D. Malloch
Technical Superintendent
Monsanto Company
5145 West Jefferson
Trenton, MI 48183

Ronald Mancini
Electro Systems Engineering
Ames Research Center (213-2)
Moffett Field, CA 94035

Eldon E. Mathauser
Head, Materials Application Branch
Langley Research Center
Langley Station
Hampton, VA 23665

Paul C. Mears
Head, Facilities Operations Branch
Wallops Station (Code FOB)
Wallops Island, VA 23337

Dr. Richard L. Meek
Cities Service Research &
Development Company
Drawer 7
Cranbury, NJ 08512

Paul J. Meeks
Manager, Chemical Propulsion
Jet Propulsion Laboratory (MS 180-700)
4800 Oak Grove Drive
Pasadena, CA 91103

S. H. Melfi
Acting Chief, Remote Monitoring
Methods Branch
National Environmental Research
Center
P. O. Box 15027
Las Vegas, NV 89114

Jack E. Merryman
Administrative Assistant to
Mayor of Lakewood
City Hall, 12650 Detroit Avenue
Lakewood, OH 44107

Cary F. Milliner, Jr.
Wallops Station
Code DO-PMOB
Wallops Island, VA 23337

Aubrey H. Milnes
President, SIFCO Industries, Inc.
970 East 64th Street
Cleveland, OH 44103

Peter A. Minderman
Director of Technical Support
Kennedy Space Center (Code TS)
Kennedy Space Center, FL 32899

David Minton
Consultant for COSI
Center of Science & Industry
280 East Broad Street
Columbus, OH 43215

Harold Moak
Director of Engineering Planning
Curtiss-Wright Corporation
1 Passaic Street
Wood-Ridge, NJ 07075

Homer Morgan
Loads Division (MS 242)
Langley Research Center
Langley Station
Hampton, VA 23665

David Morrow
President
Sanborn Wire Products, Inc.
S. Main Street
Rock Creek, OH 44084

Mrs. Sophia Morton
League of Women Voters
661 Tanton Drive
Berea, OH 44017

Merland L. Moseson
Deputy Director, Systems Reliability
Goddard Space Flight Center
Greenbelt, MD 20771

Seymour Moskowitz
Curtiss-Wright Corporation
Wright Aeronautical Division
Woodridge, NJ 07075

Sister Mary E. Murphy
Chairman, Chemistry Department
St. Joseph College
1678 Asylum Avenue
West Hartford, CT 06117

Thomas C. Muse
Department for Aeronautics
Office of Secretary of Defense (DDR&E)
Washington, DC 20301

N

Morton J. Netzorg
Manager, Ernst & Ernst
1300 Union Commerce Building
Cleveland, OH 44115

Oran W. Nicks
Deputy Director
Langley Research Center (MS 103)
Langley Station
Hampton, VA 23665

Paul North
Associate Professor, Fac.
Aeronautical Systems
University of West Florida
Pensacola, FL 32504

Olof W. Nyquist
Supervisor, Engineering
General Electric Company
Reig & Maple Avenues
Conneaut, OH 44030

O

Dr. John D. Oberholtzer
AST, Space Optics
Wallops Station (Code DAS)
Wallops Island, VA 23337

Thomas E. O'Brien
Manager, Research & Development
Boeing Vertol Company, MS P32-72
P. O. Box 16857
Philadelphia, PA 19142

Robert N. Oliver
Project Manager, MZ 2871
General Dynamics Corporation
P. O. Box 748
Fort Worth, TX 76101

Robert N. Oliver
Senior Scientist
McMillan Science Associates, Inc.
Suite 2050, Westwood Center Building
1100 Glendon Avenue
Los Angeles, CA 90024

Boris J. Osheroff
Special Assistant to Surgeon General
U. S. Public Health Service
Department of Health, Education
and Welfare
Washington, DC 20201

P

Honorable Edgar Parks
Mayor, Pepper Pike
City Hall, 28000 Shaker Boulevard
Pepper Pike, OH 44124

Colonel Henry W. Parlett
Vice Commander
Air Force Aerospace Research Laboratory
Wright Patterson AFB, OH 45433

W. Patton
Manager, General Electric Company
200 W. Broadway
Dover, OH 44622

Donald Pearson
Executive Vice President
Kirkwood Industries, Inc.
4855 West 130th Street
Cleveland, OH 44135

Allen R. Pedrick
Director of Contracts
Bendix Corporation
P. O. Box 21086
Titusville, FL 32780

Miss Melody J. Perkes
Guidance Counselor
South High School
5000 Shankland Road
Willoughby, OH 44094

William E. Peugh
NASA National Accounts Manager
Computer Science Corporation
6565 Arlington Boulevard
Falls Church, VA 22046

William M. Piland
Office of Director for Space (MS 107)
Langley Reserach Center
Langley Station
Hampton, VA 23665

I. I. Pinkel
4671 W. 210th Street
Fairview Park, OH 44126

Robert Pinnes
Office of Systems Engineering
Department of Transportation
Washington, DC 20590

George Plambach
Airborne Science Office
Ames Research Center
Moffett Field, CA 94035

Frederick P. Povinelli
NASA Headquarters (Code RJ)
Washington, DC 20546

Lynn Powers
Special Representative
Defense Products
Westinghouse Electric Corporation
1306 Farr Drive
Dayton, OH 45404

Carl R. Praktish
Executive Secretary, Aerospace
Safety Advisory Panel
NASA Headquarters (Code APA)
Washington, DC 20546

John J. Prince
Councilman - Ward 32
15613 Waterloo Road
Cleveland, OH 44110

James T. Pyle
Director, Aviation Development Council
United Air Lines
LaGuardia Airport, Room 324, Hangar 2
Flushing, NY 11371

R

Edward R. Redding
Research Program Officer
Office of University Affairs
NASA Headquarters
Washington, DC 20546

M. L. Reeves
Large Space Telescope Program Manager
Boeing Aerospace Company
P. O. Box 3999
Seattle, WA 98124

William F. Reinker
Accounts Executive
Ohio Displays, Inc.
10252 Berea Road
Cleveland, OH 44102

L. H. Reller
Manager, Air Service Center
Wisconsin Division of Aeronautics
951 Hill Farms State Office Building
Madison, WI 53702

William E. Richards
Executive Director, West Virginia
State Aeronautics Commission
Kanawha Airport
Charleston, WV 25311

Blaine G. Rieck
Manager, Administration & Planning
Westinghouse Electric Corporation
Power Systems Projects Division
875 Greentree Road
Pittsburgh, PA 15220

Webster C. Roberts
Director of Printing Equipment
Research Center
Harris-Intertype Corporation
11000 Cedar Avenue
Cleveland, OH 44106

Charles W. Robertson
Area Supervisor
Bureau of ATF
329 FOB, 1240 East 9th Street
Cleveland, OH 44199

Dr. Leonard E. Roellig
Associate Provost
Wayne State University
Detroit, MI 48202

M. Rogers
Aeromechanics Division, Directorate
of Aeromechanics & Energetics
Air Force Office of Scientific
Research (AB)
Department of the Air Force
Washington, DC 20330

Timothy Rondthaler
Manager, Product Development
AVCO Corporation
379 W. 1st Street
Dayton, OH 45402

John Root
General Manager
A. I. Root Company
623 West Liberty Street
Medina, OH 44256

Robert F. Rose
Manager, Propulsion Division
Jet Propulsion Laboratory (MS 125-147)
4800 Oak Grove Drive
Pasadena, CA 91103

Franklin J. Ross
Deputy for Requirements
Office of the Assistant Secretary of
the Air Force (R&D), Room 4E973
Department of the Air Force
Washington, DC 20330

Miles Ross
Deputy Director
Kennedy Space Center (Code DY)
Kennedy Space Center, FL 32899

Colonel Frank Rostkowski
6811 Rosemont Drive
McLean, VA 22101

Gilbert L. Roth
Special Assistant, Aerospace Safety
Advisory Panel
NASA Headquarters (Code APA)
Washington, DC 20546

Mrs. Marilyn A. Roth
c/o Gilbert L. Roth
NASA Headquarters (Code APA)
Washington, DC 20546

Dr. William H. Roudebush
Deputy Director, Refan Program Office
NASA Headquarters (Code RJ)
Washington, DC 20546

Charles E. Rowett
Vice President - Planning
Aerospace-Electronics Group
Bendix Corporation
Teterboro, NJ 07608

L. Rustad
Manager, Spacecraft Systems
Westinghouse Electric Corporation
P. O. Box 746
Baltimore, MD 21240

Robert L. Rynearson
Vice President & General Manager
Aerospace Division
Honeywell, Incorporated
13350 U. S. Highway 19
St. Petersburg, FL 33733

S

Gary Sandrock
Research Metallurgist
International Nickel Company
Sterling Forest
Suffern, NY 10901

B. L. Sarahan
Vice President, Technology
International Business Machines
18100 Frederick Park
Gaithersburg, MD 20760

William T. Sayers
Director, Planning & Review Staff
Office of Monitoring Systems
Environmental Protection Agency
4th & M Streets, SW
Washington, DC 20460

Robert O. Schade
Assistant Chief, Research Aircraft
Flight Division
Langley Research Center (MS 246A)
Langley Station
Hampton, VA 23665

William Schmitt
Director of Education
Center of Science & Industry
280 East Broad Street
Columbus, OH 43215

Mrs. Doris K. Schroeder
Director of Communications
North Carolina Science &
Technology Research Center
P. O. Box 12235
Research Triangle Park, NC 27709

D. G. Scranton
Director of Technology
Aux Ceramics Corporation
Seneca Avenue
Olean, NY 14760

Karl Sendler
Director, Information Systems
Kennedy Space Center (Code IN)
Kennedy Space Center, FL 32899

James V. Shannon
Senior Planning Analyst
Eaton Corporation
Corporate Engineering & Research
26201 Northwestern Highway
Southfield, MI 48076

Robert D. Showman
Technical Assistant, Aeronautics
& Flight Systems
Ames Research Center
Moffett Field, CA 94035

Alfred I. Sibila
Chief Project Engineering,
Space Application
Vought Aeronautics Company
A Division of LTV Aerospace Corp.
P. O. Box 5907
Dallas, TX 75222

Sidney W. Silver
The Boeing Company
Organization 2-5190, MS 8H-29
P. O. Box 3999
Seattle, WA 98124

H. H. Slaughter
Chief, Engineering & Manufacturing
Division, AFS-100
Federal Aviation Administration
Washington, DC 20591

Dr. Joseph Smith
Group Vice President
ATO, Inc.
4420 Sherwin Road
Willoughby, OH 44094

Roderick W. Spence
Program Advisor, Q-Division
Los Alamos Scientific Laboratory
P. O. Box 1663
Los Alamos, NM 87544

Raymond M. Standahar
Staff Specialist for Propulsion
Engineering Technology, ODDR&E
The Pentagon, Room 3D-1089
Washington, DC 20301

Kenneth Stapp
Technical Research
Belden Corporation
2000 S. Batavia Road
Geneva, IL 60134

Steve Starch
Technology Research
The Boeing Company
Wichita Division
Wichita, KS 67210

Colonel Harry L. Staubs
Air Force Systems Command
Liaison Office
NASA Lewis Research Center
21000 Brookpark Road
Cleveland, OH 44135

Frederick J. Styles
Office of Deputy Director
Ames Research Center (Code DD)
Moffett Field, CA 94035

T

Robert J. Tamas
Trygve Hoff & Associates
1922 East 107th Street
Cleveland, OH 44106

Simon Tamny
Vice President, Engineering
Nordson Corporation
Franklin & Jackson Streets
Amherst, OH 44001

Frank L. Townsend
Associate Director of Technical Support
Wallops Station (Code DTS)
Wallops Island, VA 23337

Gilmore H. Trafford
Research Assistant
Wallops Station (Code OD)
Wallops Island, VA 23337

Lt. Col. Francisco Trevino, Jr.
Air Mobility Staff Officer
Office of the Chief of R&D
Department of the Army
Washington, DC 20310

Jay S. Tupper
Manager of Division Planning
United Aircraft Corporation
Hamilton Standard Division
Windsor Locks, CT 06096

John Tymkewicz
President, Marlin Manufacturing Co.
12404 Triskett Road
Cleveland, OH 44111

V

Glenn E. Vescelus
Manager, Applied Mechanics Division
Jet Propulsion Laboratory (MS 157-205)
4800 Oak Grove Drive
Pasadena, CA 91103

Paul W. Vogel
Director of Testing
Lubrizol Corporation
P. O. Box 3057
Cleveland, OH 44117

Dr. Hans vonOhain
Chief Scientist
Air Force Aerospace Research Laboratory
Wright Patterson AFB, OH 45433

Lewis Vyrostek
Trygve Hoff & Associates
1922 East 107th Street
Cleveland, OH 44106

W

Joseph A. Wainright
Vice President, Engineering
Crouse-Hinds Company
Wolf & 7th North Streets
Syracuse, NY 13201

F. H. Walters
Manager, Dayton Office
Detroit Diesel Allison Division
333 W. First Street, Suite 312
Dayton, OH 45402

Fred Wampler
Federal & State Coordinator
Natural Resources Department
Fountain Square
Columbus, OH 43224

Chester A. Warner
President, Precision Scientific Co.
3737 W. Cortland Street
Chicago, IL 60647

Lt. Col. G. J. Weden
Deputy Director, U. S. Army Air Mobility
Research & Development Laboratory
NASA Lewis Research Center
21000 Brookpark Road
Cleveland, OH 44135

Gerald Weir
Company Engineer
Sanborn Wire Products, Inc.
S. Main Street
Rock Creek, OH 44084

Robert R. Westfall
Head, Data Acquisition Branch
Wallops Station (Code DAB)
Wallops Island, VA 23337

Ross Whitehead
Associate Editor
Industry Week
Penton Plaza
Cleveland, OH 44114

Dean Lyle C. Wilcox
Dean, College of Engineering
Clemson University
Clemson, SC 29631

Grady F. Williams
Deputy Director of Design
Engineering
Kennedy Space Center (Code DE)
Kennedy Space Center, FL 32899

Donald F. Wills
Vice President, Engineering
Chandler-Evans, Inc.
Charter Oak Boulevard
West Hartford, CT 06110

Brig. Gen. Charles L. Wilson
Deputy Chief of Staff, Procurement
& Production
Headquarters AF Systems Command
Andrews Air Force Base
Washington, DC 20334

Arthur Wincek
Law Director
City Hall, 5301 Mayfield Road
Lyndhurst, OH 44124

Frank H. Winters
Director of Engineering
Caterpillar Tractor Company
100 N. E. Adams Street
Peoria, IL 61602

Professor Paul A. Wintz
Assistant Head for Research
Department of Electrical Engineering
Purdue University
West Lafayette, IN 47907

Dan F. Witt
Director, Corporate Planning
ATO, Inc.
4420 Sherwin Road
Willoughby, OH 44094

James F. Woodall
Chief, Aircraft Safety & Noise
Abatement Division
Federal Aviation Administration
Washington, DC 20591

Warren L. Wray
Diebold, Inc.
5410 Warner
Garfield Heights, OH 44125

Marvin Wren
Airborne Science Office
Ames Research Center (211-12)
Moffett Field, CA 94035

R. J. Wright
Vice President, Government Relations
The Garrett Corporation
1625 Eye Street, NW
Washington, DC 20006

Y

George E. Younger
General Physical Scientist
National Oceanic & Atmospheric
Administration
6001 Executive Boulevard
Rockville, MD 20852

Reed Yount
Manager, Manufacturing Technology
Laboratory
General Electric Company
Mail Drop E-69
Cincinnati, OH 45215

FRIDAY ATTENDEES

FRIDAY, SEPTEMBER 21, 1973

ATTENDANCE LIST

A

Professor Douglas E. Abbott
Director, Thermal Sciences &
Propulsion Center
Purdue University
Lafayette, IN 47907

John Acurio
Director, U. S. Army Air Mobility
Research & Development Laboratory
Lewis Research Center
21000 Brookpark Road
Cleveland, OH 44135

Dr. Daniel Ai
Alcoa Professor of Mechanical
& Aerospace Engineering
University of Missouri
Rolla, MO 65401

William Amato
Student, Cathedral Latin School
University Circle
2056 East 107th Street
Cleveland, OH 44106

Dr. Holt Ashley
President, American Institute of
Aeronautics & Astronautics
1290 Avenue of the Americas
New York, NY 10019

Richard C. Athey
8035 Salinas Trail
Youngstown, OH 44512

W. F. Aylard
Vice President, Technical
Chase Brass & Copper Company, Inc.
20600 Chagrin Boulevard
Cleveland, OH 44122

B

Dr. R. O. Bach
Manager, Research Department
Lithium Corporation of America
P. O. Box 795
Bessemer City, NC 28016

D. H. Bain
Director of Administration
Union Carbide Corporation
12900 Snow Road
Cleveland, OH 44130

Kay D. Baker
Head, Department of Electrical
Engineering
Utah State University
Logan, UT 84321

Alex Ballan
Vice President, Operations
Channel Master, Division of
AVNET, Inc.
Route 209, North
Ellenville, NY 12428

Gershom M. M. Barber
26812 E. Oviatt
Bay Village, OH 44144

Dr. Frank W. Barr
Superintendent, Board of Education
20770 Lorain Road
Fairview Park, OH 44126

Dr. William Beans
University of Toledo
Toledo, OH 43606

Carl A. Benscoter
President, Wright Air Lines
Burke Lakefront Airport
Cleveland, OH 44114

W. G. Bernet, Jr.
President, U.S. Truck Lines,
Inc. of Delaware
1602 Union Commerce Building
Cleveland, OH 44115

Joseph B. Bidwell
Executive Director
Research Laboratories
General Motors Technical Center
Warren, MI 48090

O. J. Bilir
Pennsylvania State University
University Park, PA 16802

Robert Birmele
Regional Sales Manager
Lufthansa Air Lines
1426 Euclid Avenue
Cleveland, OH 44115

Edmond E. Bisson
20786 Eastwood Avenue
Fairview Park, OH 44126

Dr. R. J. H. Bollard
Head, Aeronautics & Astronautics
University of Washington
Seattle, WA 98105

Dr. A. B. Bonds, Jr.
President
Baldwin Wallace College
Berea, OH 44017

John H. Bonin
Technical Director, Lockheed
Propulsion Company
Lockheed Aircraft Corporation
P. O. Box 111
Redlands, CA 92373

Walter T. Bonney
Box 247, Eastview
Route 8
Frederick, MD 21701

Ralph W. Brady
The Bettcher Manufacturing
Corporation
16000 Commerce Park Drive
Brook Park, OH 44142

Chris Brewer
Student, Cathedral Latin School
University Circle
2056 East 107th Street
Cleveland, OH 44106

Max D. Brown
Office of Director of Flight
Operations
Flight Research Center (Code FO)
Edwards, CA 93523

Dr. Edward Burger, Jr.
Science & Technology Policy Office
RD017 4204 New Executive Office
Building
Washington, DC 20506

Harry F. Burmester
709 Union Commerce Building
Cleveland, OH 44115

C

Don Cameron
Associate Editor
Power Transmission Design
614 Superior Avenue, W
Cleveland, OH 44113

Norval E. Carey
Director, East Coast Operations
Gulf Oil Corporation
1025 Connecticut Avenue, W
Washington, DC 20036

James Cater
3105 Walter Road
North Olmsted, OH 44070

H. K. Clark
Chief, Systems Engineering Division
Langley Research Center (MS 314)
Langley Station
Hampton, VA 23665

J. Russell Clark
Director - Consultant
Vought Systems Division
LTV Aerospace Corporation
P. O. Box 5907
Dallas, TX 75222

Dr. Donald K. Cobb
Superintendent, Board of Education
7890 Brookside Drive
Olmsted Falls, OH 44138

Professor John Cole
Assistant Professor of
Mechanical Engineering
Tufts University
Medford, MA 02155

Dr. Calhoun C. Collier
Professor of Education
Michigan State University
363 Erickson Hall
East Lansing, MI 48823

John M. Crump, Jr.
Project Director, Special Projects
Division
Reynolds, Smith & Hills
4019 Boulevard Center Drive
Jacksonville, FL 32201

R. G. Cunningham
Vice President of Research
& Studies
Pennsylvania State University
University Park, PA 16802

D

Dean R. L. Daugherty
Assistant Dean, School of
Engineering
University of Delaware
Newark, DE 19711

Donald J. David
Senior Research Group Leader
Monsanto Research Corporation
1515 Nicholas Road
Dayton, OH 45407

Otto Decker
General Manager, R&D Division
Mechanical Technology, Inc.
968 Albany Shaker Road
Latham, NY 12110

A. H. DeGraw
Airport Planner
Parsons-Brinckerhoff-Quade &
Douglas
111 John Street
New York, NY 10036

Joseph Del Riego
Committee on Science & Astronautics
Minority Staff Director
2317 Rayburn House Office Building
Washington, DC 20515

L. W. Dettman
Regional Vice President
General Electric Company
1000 Lakeside Avenue
Cleveland, OH 44114

Robert L. Dietrich
Vice President, Manufacturing
& Technical
Celanese Corporation
522 Fifth Avenue
New York, NY 10036

James V. Drew
Associate Dean for Graduate
Studies & Research
University of Nebraska
Lincoln, NB 68508

William G. Dukek
Senior Research Associate
Esso Research & Engineering Company
P. O. Box 45
Linden, NJ 07036

J. W. Dwinnell
Technology Chief, Engineer-Research
Commercial Airplane Division
The Boeing Company
P. O. Box 3733
Seattle, WA 98124

Dean Z. W. Dybczak
School of Engineering
Tuskegee Institute
Tuskegee Institute, AL 36088

E

Dean Elmer C. Easton
School of Engineering
Rutgers - The State University
New Brunswick, NJ 08903

James R. Edberg
Jet Propulsion Laboratory
California Institute of Technology
4800 Oak Grove Drive
Pasadena, CA 91103

John Edick
Reliance Electric Company
24800 Chagrin Boulevard
Beachwood, OH 44122

Walter Edling
Chairman, Division of Engineering
Technologies
Lorain County Community College
1005 North Abbe Road
Elyria, OH 44035

Dr. Ronald D. Evans
Professor & Chairman, Department of
Mech. Engr. & Aero. Science
Florida Technological University
P. O. Box 25000
Orlando, FL 32816

F

William Faulds
Senior District Representative
TRW Inc.
211 Talbott Towers
Dayton, OH 45402

Dr. C. D. Ferraro
22011 River Oaks Drive
Rocky River, OH 44116

Brother David J. Fitzgerald
St. Edward High School
13500 Detroit Avenue
Lakewood, OH 44107

Dr. Wallace T. Fowler
Associate Professor, Department
of ASE & EM
University of Texas at Austin
Austin, TX 78712

Mrs. Elizabeth Fox
Office of Legislative Affairs
NASA Headquarters (Code C)
Washington, DC 20546

Robert L. French
Vice President & General Manager
Buckeye Ware, Inc.
770 Spruce Street
Wooster, OH 44691

Dr. Michael J. Furey
Professor, Department of
Mechanical Engineering
Virginia Polytechnic Institute
& State University
Blacksburg, VA 24061

G

Dr. Jerry Gallentine
Chairman, Division of Science
& Math
Lorain County Community College
1005 North Abbe Road
Elyria, OH 44035

Mrs. Eilene Galloway
Senior Specialist in International
Relations
Congressional Research Service
Library of Congress
Washington, DC 20540

E. B. Geer
Director for Systems Engineering
& Operations
Langley Research Center (MS 112)
Langley Station
Hampton, VA 23665

Dr. Richard Gerhan
Head, Department of Economics
Baldwin Wallace College
Berea, OH 44017

E. R. Gerlach
Associate Professor of Chemistry
Muskingum College
New Concord, OH 43762

Sister Ann Gertrude
Chairman, Chemistry Department
Ursuline College
Cleveland, OH 44124

Harlan N. Gifford
Finance Director
City Hall, 18688 Royalton Road
Strongsville, OH 44136

H. N. Gilmore
Regional Manager
Becton Dickinson Electronics
1133 Portage Trail
Akron, OH 44313

Steve Glassman
c/o W. D. Glassman
Inland Steel Container Co., Inc.
9612 Meech Avenue
Cleveland, OH 44105

W. D. Glassman
Manager, Inland Steel Container
Company, Inc.
9612 Meech Avenue
Cleveland, OH 44105

Terry Goggin
Administrative Assistant to
Honorable George E. Brown
House of Representatives
301 Cannon House Office Building
Washington, DC 20515

Honorable Barry Goldwater, Jr.
House of Representatives
1421 Longworth House Office Building
Washington, DC 20515

Mrs. Susan Goldwater
c/o Honorable Barry Goldwater, Jr.
House of Representatives
1421 Longworth House Office Building
Washington, DC 20515

A. N. Gorant
Ohio Edison Company
237 W. Washington Row
Sandusky, OH 44870

Dr. Gary D. Gordon
Senior Staff Scientist
COMSAT Corporation
Box 115
Clarksburg, MD 20734

Colonel Harold A. Gould
Technical Consultant, House Committee
on Science & Astronautics
2321 Rayburn House Office Building
Washington, DC 20515

Dr. W. J. Graff
Professor & Associate Director of
NASA Summer Faculty
University of Houston
Cullen College of Engineering
Houston, TX 77004

Dr. Benjamin B. Graves
President, University of Alabama
P. O. Box 1247
Huntsville, AL 35807

Gerald D. Griffin
Assistant Administrator for
Legislative Affairs
NASA Headquarters (Code C)
Washington, DC 20546

Troy Grigsby
Deputy Director, Department of
Economic & Community Development
Community Development Division
Room 907, 9th Floor
65 South Front Street
Columbus, OH 43215

Rom F. Guzzo
Flynn, Dalton, vanDijk
One Erieview Plaza
Cleveland, OH 44114

H

Dr. Vladimir Haensel
Vice President, Science & Technology
Universal Oil Products Company
10 Universal Oil Products Plaza
Des Plaines, IL 60016

The Reverend C. Hall
Minister-at-Large
Cleveland Baptist Association
2246 Euclid Avenue
Cleveland, OH 44115

Robert E. Hammel
Secretary-Treasurer
Ohio Machinery Company
3993 E. Royalton Road
Cleveland, OH 44147

Lt. Col. John J. Hargreaves
Chief, Facility Engineering Branch
Air Force Aero Propulsion Laboratory
Wright Patterson AFB, OH 45433

Howard P. Harrenstien
Dean, School of Engineering &
Environmental Design
University of Miami
Coral Gables, FL 33124

Dr. Edward Harris
Chairman, Division of Languages
& Humanities
Lorain County Community College
1005 North Abbe Road
Elyria, OH 44035

Paul W. Harris
Corporate Relations
Johns Manville Corporation
Greenwood Plaza
Denver, CO 80217

Walter Harris
Bay Village Board of Education
502 Cahoon Road
Bay Village, OH 44140

John W. Hartsfield
2401 Dunwich Drive
Springfield, IL 62702

Ben M. Hauserman
Vice President, E. F. Hauserman
Company
5711 Grant Avenue
Cleveland, OH 44105

Stephen J. Haydock
Chief Engineer
Power Equipment Division
Dana Corporation
P. O. Box 58
Chelsea, MI 48118

Gene Helms
Detroit Diesel Allison Division
General Motors Corporation
P. O. Box 894
Indianapolis, IN 46206

Dr. Klaus Hemsath
Director of Research
Midland-Ross Corporation
P. O. Box 907
Toledo, OH 43696

Dean Robert G. Hering
College of Engineering
University of Iowa
Iowa City, IA 52242

Robert R. Hibbard
3530 East Erie Avenue
Lorain, OH 44052

Charles C. Hill
Vice President, Advanced Technology
Rohr Corporation
P. O. Box 878
Chula Vista, CA 90210

Charles B. Hinton
Manager, Electric Utility Automation
Sales District
Power Generation Sales Division
General Electric Company
1000 Lakeside Avenue
Cleveland, OH 44114

Miss Annette Hirsch
Executive Director
Information Specialists
P. O. Box 18124
Cleveland, OH 44118

Dean Joseph C. Hogan
School of Engineering
University of Notre Dame
Notre Dame, IN 46556

Peter Hoglund
Manager
General Motors Corporation
5405 Darrow Road, State Route #91
Hudson, OH 44236

Milton B. Hollander
Vice President, Technology
Gulf & Western Industries, Inc.
1 Gulf & Western Plaza
New York, NY 10023

General Bruce K. Holloway
Special Assistant to the Administrator
NASA Headquarters (Code W)
Washington, DC 20546

J. W. Holmes
Cooper Bessemer Company
Division of Cooper Industries
P. O. Box 751
Mount Vernon, OH 43050

Dr. Roger L. Holmes
Superintendent, Board of Education
2282 Dover Center Road
Westlake, OH 44145

Mark Hornikel
Student, Cathedral Latin School
University Circle
2056 East 107th Street
Cleveland, OH 44106

S. Neil Hosenball
Deputy General Counsel
NASA Headquarters (Code G)
Washington, DC 20546

J. L. Hough
Chief Engineer
Republic Steel Corporation
2633 8th Street, NE Extension
Canton, OH 44705

R. Joseph Houghtalen
Assistant Superintendent, Plant Engineering
General Motors Corporation
Brookpark & Stumph Roads
Cleveland, OH 44130

Duane E. Houston
2438 18½ Avenue, NW
Apartment 5-305
Rochester, MN 55901

Dr. John B. Hudson
Professor of Materials Engineering
Rensselaer Polytechnic Institute
Troy, NY 12181

Dan Huebner
General Electric Company
Goddard Building
King of Prussia, PA 19406

William A. Hunter
Maple Heights Board of Education
5500 Clement Drive
Maple Heights, OH 44137

Norman E. Huston
Director, Instrumentation Systems Center
School of Engineering
University of Wisconsin
Madison, WI 53706

Dr. Roderick A. Hyde
Physics Staff Member
Lawrence Livermore Laboratory
P. O. Box 808
Livermore, CA 94550

I

Norris H. Ingells
Aviation Writer
Lansing State Journal
120 East Lenawee Street
Lansing, MI 48919

J

A. Jablonski
Electronics Technology Institute
4300 Euclid Avenue
Cleveland, OH 44103

Dean Charles Jakowatz
School of Engineering
Wichita State University
Wichita, KS 67208

Robert W. Jeffery
Director, Engineering Planning,
Control & Administration
Sperry Rand Corporation
P. O. Box 302
Troy, MI 48084

Andrew Jendrisak
President
Tacoma Products, Inc.
181 S. Thomas Road
Tallmadge, OH 44278

Dr. Edward Jerger
Associate Dean of the College
of Engineering
University of Notre Dame
Notre Dame, IN 46556

Jim Johnson
Aeroquip Corporation
Hanna Building
Cleveland, OH 44115

R. Tenney Johnson
The General Counsel
NASA Headquarters (Code G)
Washington, DC 20546

William F. Jordan
Advertising Consultant
24700 Center Ridge Road
Westlake, OH 44145

K

Peter H. Kafitz
Collins Radio Company
1200 N. Alma Road
Richardson, TX 75080

Daniel M. Kalish
Assistant Superintendent
Board of Education
1470 Warren Road
Lakewood, OH 44107

Miss Barb Kaufmann
Public Interest Center
Environmental Protection Agency
450 East Town Street
Columbus, OH 43216

Mrs. Shirley Keehn
Office of Legislative Affairs
NASA Headquarters (Code C)
Washington, DC 20546

Alvin M. Kelley
P. O. Box 99181
Cleveland, OH 44199

George R. Kelly
President, EcoSystems, Inc.
7655 Old Spring House Road
Westgate Research Park
McClean, VA 22101

John D. Kern
Assistant Vice President, Technology
Basic, Inc.
1422 Euclid Avenue
Cleveland, OH 44115

Gilbert W. Keyes
Professional Staff Member, Committee
on Aeronautical & Space Sciences
231 Russell Senate Office Building
Washington, DC 20510

C. H. Kim
Uniroyal, Inc.
P. O. Box 460
Painesville, OH 44077

Dr. Richard L. Kissling
Associate Professor of Chemistry
Heidelberg College
Tiffin, OH 44883

Keith R. Kleckner
Professor & Assistant Dean
of Engineering
Oakland University
Rochester, MI 48063

Kurt W. Klunder
Monsanto Research Corporation
1101 17th Street, NW
Washington, DC 20036

Captain Robert Kosak
Assistant Chief, Applications Office
Aerospace Research Lab/AP
Wright Patterson AFB, OH 45433

The Very Reverend Sergius Kuharsky
President, Orthodox Clergy Association
2547 St. Tikhon
Cleveland, OH 44113

L

E. S. Lamar
Chief Scientist, Office of the Assistant
Command for Research & Technology
Naval Air Systems Command (JP-1)
Department of the Navy
Washington, DC 20350

Robert H. Lamb
3M Company
333 W. First Street, Suite 612
Dayton, OH 45402

Robert M. Lamb
The Tappan Company
Tappan Parts
P. O. Box 606
Mansfield, OH 44901

R. M. Leliaert
Director, Research & Development
Wheelabrator-Frye, Inc.
400 South Byrkit
Mishawake, IN 46544

Emerson Lindamood
Chairman, Division of Social
Science
Lorain County Community College
1005 North Abbe Road
Elyria, OH 44035

Arthur Longano
Process Engineer
Kewanee Oil Company
113 John Street
Elyria, OH 44035

Robert V. Lottman
Office of Legislative Affairs
NASA Headquarters (Code C)
Washington, DC 20546

E. Y. Lovell
Vice President, Engineering
VRC, Inc.
24110 Bagley Road
Olmsted Falls, OH 44138

Frank A. Lovell
General Manager
VRC, Inc.
24410 Bagley Road
Olmsted Falls, OH 44138

Homer Lowe
Mill Superintendent
Morton-Norwich Products, Inc.
151 S. Industrial Street
Rittman, OH 44270

Sister Mary Lucianne, S.N.D.
Instructor of Physics
Notre Dame College
Cleveland, OH 44121

Dr. Harold W. Lucien
Assistant Director, Office of
Scientific Personnel
Associateship Office
National Research Council
2102 Constitution Avenue
Washington, DC 20418

Mc

Major Russell E. McCannon
Commander, Air Force Recuiting Det.
231 FOB, 1240 East 9th Street
Cleveland, OH 44199

Neil McGinness
Director, Community Development
Department
City Hall, 601 Lakeside Avenue
Cleveland, OH 44114

W. J. McGregor
Mobil Oil Corporation
12815 Elmwood
Cleveland, OH 44111

Dr. Edward P. McMahon
Director, Optics Systems Department
General Research Corporation
1501 Wilson Boulevard
Washington, DC 22209

Jack McWethy
Special Editor, Science & Technology
U. S. News & World Report
2300 North Street, NW
Washington, DC 20037

M

Dr. L. M. Magner
Staff Consultant
E. I. duPont deNemours & Company
duPont Building
Wilmington, DE 19898

Leo J. Maki
Chief Engineer
Alco Standard Corporation
26650 Lakeland Boulevard
Cleveland, OH 44132

Richard N. Malow
Staff Assistant
House Subcommittee on Appropriations
H-143 U.S. Capital
Washington, DC 20515

Merrill Mead
Director, Administration
Ames Research Center (Code A)
Moffett Field, CA 94035

E. Stanley Melick
Chairman, Science Department
Senior High School
15600 Parkland Drive
Shaker Heights, OH 44120

Professor H. W. Mergler
Professor of Engineering
Case Western Reserve University
Cleveland, OH 44106

Lucius M. Merritt
Director, VA Regional Office
1240 East 9th Street
Cleveland, OH 44199

Professor George W. Michalec
Associate Dean for Engineering
Stevens Institute of Technology
Hoboken, NJ 07030

Walter Milich
Project Engineer
MSA Research Corporation
Division of Mine Safety Appliances Co.
Evans City, PA 16033

Dr. Howard A. Mims
Associate Professor
The Cleveland State University
16303 Stockbridge Avenue
Cleveland, OH 44128

Lowell Mininger
Supervisory Auditor
Office of Comptroller General
441 G Street, NW
Washington, DC 20548

Dr. Luna I. Mishoe
President
Delaware State College
Dover, DE 19901

Frank Monroe
Cuyahoga Metropolitan Housing Authority
1441 West 25th Street
Cleveland, OH 44113

Dr. J. Derald Morgan
Alcoa Professor of Electrical Engineering
Area Chief, Electric Power Area
University of Missouri
Rolla, MO 65401

Gerald J. Mossinghoff
Deputy Assistant Administrator, Policy
Office of Legislative Affairs
NASA Headquarters (Code C)
Washington, DC 20546

Dean William A. Moy
School of Modern Industry
University of Wisconsin
Kenosha, WI 53140

Howard M. Mulder
Manager, Engine Propulsion Sales
The Garrett Corporation
9851-9951 Sepulveda Boulevard
Los Angeles, CA 90009

R. D. Mullineaux
General Manager, MTM R&D
Shell Oil Company
P. O. Box 2463
Houston, TX 77001

Eugene Myslenski
Principal, Lakewood High School
Franklin Boulevard & Bunts Road
Lakewood, OH 44107

N

T. L. Nabors
Chairman, Combustion Eng. Committee
Republic Steel Corporation
P. O. Box 6778
Cleveland, OH 44101

Dr. Norris S. Nahman
College of Engineering
University of Toledo
Toledo, OH 43606

John C. New
Chief, Test & Evaluation Division
Goddard Space Flight Center
Greenbelt, MD 20771

B. D. Nolan
Manager, Exxon Corporation
East of Billings
Billings, MT 59101

O

Frank J. Oklessen
Vice President
Motor Patterns Company
3035 E. 61st Street
Cleveland, OH 44105

James O. Olfson
President, Chesapeake Instrument Co.
100 Atwell Road
Shady Side, MD 20867

Dr. Stuart Openlander
Superintendent, Board of Education
6726 Ridge Road
Parma, OH 44129

Lt. Col. Anthony J. Ortner
Air Mobility Division
Office, Chief of R&D
Department of the Army
Washington, DC 20310

P

Al Paolino
Student, Cathedral Latin School
University Circle
2056 East 107th Street
Cleveland, OH 44106

J. R. Parker
President, Motor Patterns Company
3035 E. 61st Street
Cleveland, OH 44105

Honorable Donald J. Pease
Ohio House of Representatives
54th District
State House
Columbus, OH 43215

Dean Fred N. Peebles
School of Engineering
University of Tennessee
Knoxville, TN 37916

Dr. Edwin Pejack
Associate Professor
Mechanical Engineering Department
Youngstown State University
Youngstown, OH 44503

Robert W. Pelz
Technical Coordinator
Ferro Corporation
7500 East Pleasant Valley Road
Independence, OH 44131

Dr. L. K. Peters
Assistant Professor, Department of
Chemical Engineering
The Cleveland State University
Cleveland, OH 44115

William T. Pomeroy, Jr.
Plant Manager
Sterling China Company
12th Street
Wellsville, OH 43968

Matthew H. Portz
Director, Office of Information
The Aerospace Corporation
P. O. Box 95085
Los Angeles, CA 90045

Frederick H. Posey
Policy Analyst, Office of Program
Analysis
Department of Development
65 S. Front Street
Columbus, OH 43215

R

Dean John R. Ragazzini
Aerospace Laboratory
New York University
W. 177th Street & Harlem River
Bronx, NY 10453

Dr. D. Ramadanoff
661 Grayton Road
Berea, OH 44017

Jack Ray
Manager, Western Electric Co., Inc.
32000 Aurora Road
Cleveland, OH 44139

Dr. Bruce A. Reese
Head, School of Aeronautics
& Astronautics
Purdue University
West Lafayette, IN 47907

Charles S. Regan
President, Royal Brass
Manufacturing Company
1418-24 E. 43rd Street
Cleveland, OH 44103

Albert T. Reiff
Vice President, Aircraft Systems
United Aircraft Corporation
Hamilton Standard Division
Windsor Locks, CT 06096

Donald G. Richards
Division Vice President, Engineering
United Aircraft Corporation
Hamilton Standard Division
Windsor Locks, CT 06096

Dr. Corwin L. Rickard
Vice President, Advanced Power Systems
Gulf General Atomic
P. O. Box 81608
San Diego, CA 92138

Fred Riegler
Director of Elementary Education
South Euclid/Lyndhurst Boards
of Education
4777 Farnhurst Road
Lyndhurst, OH 44124

Dr. A. S. Roberts
Assistant Dean, School of Engineering
Old Dominion University
P. O. Box 6173
Norfolk, VA 23508

D. W. Robinson, Jr.
Director of Research & Development
Kaman Aerospace Corporation
P. O. Box 73
Bloomfield, CT 06002

Dr. Gordon Rodeen
Superintendent, Board of Education
3111 Wooster Road
Rocky River, OH 44116

Ladi Rozehnal
Airport Manager, Cuyahoga
County Airport
355 Richmond Road
Richmond Heights, OH 44143

Dean John L. Rumpf
School of Engineering Technology
Temple University
Philadelphia, PA 19122

Peter Rusnov
Director, Research & Development
The Warner & Swasey Company
11000 Cedar Avenue
Cleveland, OH 44106

Dr. Jerome Russell
Philips Medical Systems, Inc.
710 Bridgeport Avenue
Shelton, CT 06484

S

A. J. Sandstrom
Manager, General Motors Corporation
12990 Snow Road
Cleveland, OH 44142

Karl R. Sattler
Director of Planning & Development
Maryland State Aviation Administration
Friendship International Airport
Box 8755
Baltimore, MD 21240

LeRoy C. Sayner
Physics Instructor
Gilmore Academy
SOM Center & Cedar Roads
Gates Mills, OH 44040

John G. Schamber
Area Chairman
Lutheran East High School
3565 Mayfield Road
Cleveland, OH 44118

Robert Schloss
Chairman, Division of Health Careers
Lorain County Community College
1005 North Abbe Road
Elyria, OH 44035

Hank Schmidt
Murch & Company, Inc.
Hanna Building
Cleveland, OH 44115

Earl P. Schneider
Partner, Thompson, Hine & Flory
1100 National City Bank Building
Cleveland, OH 44114

Dr. Jonas Schultz
Dean, Graduate Division
University of California
Irvine, CA 92664

Dr. L. B. Scott, Jr.
Head, AME Department
The University of Arizona
Tucson, AZ 85721

Professor L. Seigle
Engineering College
State University of New York
Stonybrook, Long Island, NY 11790

Thor T. Semler
Director of Technical Services
Poplars Research & Conference Center
400 East Seventh Street
Bloomington, IN 47401

Edward G. Sharp
Sperry-Univac
2121 Wisconsin Avenue, NW
Washington, DC 20007

Robert D. Shea
Director of Aviation
Cuyahoga County Airport
355 Richmond Road
Richmond Heights, OH 44143

Walter R. Sheffield
Principal, Fairview High School
4507 West 213th Street
Fairview Park, OH 44126

Andrew J. Shine
Head, Department of Aero-Mechanical Engineering
Air Force Institute of Technology
Wright Patterson AFB, OH 45433

Steven Shook
Staff Engineer
Air Force Aero Propulsion Laboratory
Wright Patterson AFB, OH 45433

L. B. Sibley
Manager, Contract R&D
SKF Industries, Inc.
100 First Avenue
King of Prussia, PA 19406

Dr. Abe Silverstein
21160 Seabury Avenue
Fairview Park, OH 44126

Captain William E. Simpson
Chief, Air Transportation Systems Division
Office of the Secretary of Transportation
Washington, DC 20590

Ralph Sinzinger
Area Sales Manager
Struthers-Dunn, Inc.
26100 Brush Road
Euclid, OH 44132

Dr. Marshall M. Sluyter
Head, Department of Mechanical
Engineering
New Mexico State University
P. O. Box 3450
Las Cruces, NM 88003

Dr. Von M. Smith
Executive Assistant to the
President
Dyke College
Cleveland, OH 44114

Jack Snyder
Kinney Corporation

Newton E. Spiess
Director, Product Engineering Department
Grumman Aerospace Corporation
South Oyster Bay Road, Plant 25
Bethpage, Long Island, NY 11714

John Staggs
Regional Systems Marketing Manager
Gould, Incorporated
20 Ossippee Road
Newton, MA 02164

A. J. Stefanek
District Manager
Social Security Administration
2012 West 25th Street, Room 810
Cleveland, OH 44113

Guy Stella
Principal, Garfield Heights
High School
12000 Maple Leaf Drive
Garfield Heights, OH 44125

C. W. Stevenson
ARO, Inc.
Arnold AFS, TN 37389

Dean Clyde E. Stiner
Dean of Instruction
Lorain County Community College
Elyria, OH 44035

Herbert E. Strawbridge
Chairman & Chief Executive Officer
The Higbee Company
100 Public Square
Cleveland, OH 44113

Joseph Strisak
Pennsylvania State University
University Park, PA 16802

Frederick J. Styles
Staff Assistant
Ames Research Center (Code DD)
Moffitt Field, CA 94035

Dean Stanley K. Stynes
Dean, School of Engineering
Wayne State University
Detroit, MI 48202

William Sutton
Dillard University
New Orleans, LA 70122

Garth E. Sweetnam
Manager, Guidance & Control Division
Jet Propulsion Laboratory (MS 198-102)
4800 Oak Grove Drive
Pasadena, CA 91103

T

Mrs. Ailene S. Taylor
Cleveland Board of Education
Administration Building
1380 E. 6th Street
Cleveland, OH 44114

John P. Taylor
Assistant Director, Aeronautics &
Space Engineering Board
National Academy of Engineering
2101 Constitution Avenue, NW
Washington, DC 20418

Richard Taylor
c/o Mrs. Ailene S. Taylor
Cleveland Board of Education
1380 East 6th Street
Cleveland, OH 44114

Dr. Gary Thomas
Associate Professor
Department of Electrical Sciences
State University of NY
Stony Brook, NY 11790

L. Jack Thomas
Superintendent, Board of Education
14713 Ridge Road
North Royalton, OH 44133

Arthur Thomson
Senior Staff Engineer
TRW Inc., T/M 3090
23555 Euclid Avenue
Cleveland, OH 44117

R. Tschannen
Manager, Sherwin Williams Company
Midland Building
101 Prospect Avenue
Cleveland, OH 44115

Paul A. Turk
Aviation Editor
Dayton Journal-Herald
4th & Ludlow Streets
Dayton, OH 45401

Honorable Harry E. Turner
Ohio House of Representatives
76th District
State House
Columbus, OH 43215

John B. Turner, Jr.
General Manager, Central Region
General Electric Company
P. O. Box 2143
Kettering Branch
Dayton, OH 45429

Mrs. Shirley Turner
c/o Honorable Harry E. Turner
Ohio House of Representatives
State House
Columbus, OH 43215

U

Brother Ken Uckotter
School in the Circle Program
Director
Cathedral Latin High School
2056 East 107th Street
Cleveland, OH 44106

Richard Ulry
Public Interest Center
Environmental Protection Agency
450 East Town Street
Columbus, OH 43216

V

Dr. Michael J. Vaccaro
Associate Deputy Director
for Management
Goddard Space Flight Center
Greenbelt, MD 20771

Bud Vandervort
Assistant Chief Clerk
Committee on Aeronautics &
Space Science
United States Senate
Washington, DC 20510

Robert G. Veith
Flight Research Center (Code DS)
Edwards, CA 93523

W. B. Voisard
Chief Engineer
McCauley Industrial Corporation
P. O. Box 7, Roosevelt Station
Dayton, OH 45417

Dr. Raymond Voith
The University of Toledo
Toledo, OH 43606

W. F. vonJaskowsky
Senior Research Engineer & Lecturer
School of Engineering
Princeton University
Princeton, NJ 08540

Craig Voorhees
Committee on Aeronautics &
Space Science
United States Senate
Washington, DC 20510

Paul Voth
Purchasing Agent
Brodhead Garrett Company, Inc.
4560 East 72nd Street
Cleveland, OH 44105

W

Jack Warren
Attorney
6729 Crestwood Avenue
Olmsted Falls, OH 44138

D. J. Waters
Manager, Olin Corporation
Airport Branch
Brook Park, OH 44142

H. C. Weidner, Jr.
President, Atlas Bolt &
Screw Company
1100-1140 Ivanhoe Road
Cleveland, OH 44110

Mrs. Bette B. Welch
Legislative Assistant
2442 Rayburn House Office Building
Washington, DC 20510

Donald E. Wellemeyer
Principal, Wickliffe High School
2255 Rockefeller Road
Wickliffe, OH 44092

William A. Wells, Jr.
Technical Consultant
House Committee on Science &
Astronautics
2321 Rayburn House Office Building
Washington, DC 20515

N. Richard Werthamer
Congressional Fellow
144 W. 11th Street
New York, NY 10011

N. C. Westerfeld
Chevrolet Motor Division
General Motors Corporation
12990 Snow Road
Parma, OH 44130

Robert C. Westveer
Chief Engineer, Research
General Signal Corporation
9000 East Michigan Avenue
Kalamazoo, MI 49001

Jack L. White
Squire, Sanders & Dempsey
1800 Union Commerce Building
Cleveland, OH 44115

George A. Whiteside
Manager, Dayton Office
Philco-Ford Corporation
Suite 370, Claypool Building
4130 Linden Avenue
Dayton, OH 45432

William A. Wickline
Director of Engineering
Allen Electric & Equipment Company
12435 Euclid Avenue
Cleveland, OH 44106

Charles C. Willhite
Director, Safeguard Design Laboratory
Bell Telephone Laboratories
Whippany Road
Whippany, NJ 07981

Charles W. Williams
Chairman, Science Department
Cleveland Heights/University Heights
Boards of Education
2155 Miramar Boulevard
University Heights, OH 44118

William Williams
Personnel Division
Langley Research Center (Code 308)
Langley Station
Hampton, VA 23665

Dr. Glen Wilson
Professional Staff Member
United States Senate
Washington, DC 20510

Professor Stan Wineland
Assistant Professor of Physics
Director, Newhard Planetarium
Findlay College
Findlay, OH 45840

D. E. Winger
General Superintendent, Production
Chevrolet Motor Division
General Motors Corporation
Parma, OH 44130

Dr. Lester L. Winter
Assistant Director, Parma Research
Center
Union Carbide Corporation
P. O. Box 6116
Cleveland, OH 44101

Alan P. Wolf
Environmental Education
Board of Education
15305 Terrace Road
East Cleveland, OH 44123

Daniel K. Wright, Jr.
Acting Dean of Engineering
Case Western Reserve University
10900 Euclid Avenue
Cleveland, OH 44106

Howard T. Wright
Viking Project Deputy Manager
Langley Research Center
Langley Station
Hampton, VA 23665

Z

Dr. S. Y. Zamrik
Pennsylvania State University
University Park, PA 16802

Richard Zietlow
Brooklyn Board of Education
9200 Biddulph Road
Brooklyn, OH 44144

Morris A. Zipkin
General Manager, Advanced Engineering
& Technology Programs Department
General Electric Company, MD H-44
Cincinnati, OH 45215