

April 24, 1956

E. R. Sharp

Mr. Joseph Stein
Aeronautical Information Specialist
National Advisory Committee for Aeronautics
1512 H Street, Northwest
Washington 25, D. C.

Dear Joe:

I am enclosing our suggested Invitation List, Program, and letter of Invitation for the 10- by 10-Wind Tunnel Dedication on May 22nd. I'd appreciate it if you would look this over and discuss it with Dr. Dryden or Dr. Victory and make any changes or additions you think necessary.

We would like to get this in the mail not later than April 30th so we will expect a call from you in the next day or two.

Kind regards.

Sincerely,

Edward R. Sharp
Director

Enclosures
Proposed Invitation List
Suggested letter of Invitation
Acceptance Form
Proposed Program

ROUGH DRAFT

April 24, 1956

Mr. John Doe, President
X-Y-Z Company
Cleveland, Ohio

Dear Mr. Doe:

We are pleased to announce that the Lewis Unitary Plan Wind Tunnel is now in the initial stage of operation. This newest NACA facility will be operated by NACA for use by industry on specific development projects.

Designed primarily for tests of high-performance propulsion systems, this large supersonic wind tunnel has features that provide a wide choice of test conditions. Electric motors totalling 250,000 horsepower drive two huge air compressors to produce air speeds ranging from twice to three-and-one-half the speed of sound in the 10- by 10-foot test section. A flexible wall nozzle permits varying test speeds during operation, and exhaust pumps can simulate altitudes up to 150,000 feet.

We are sure that you, as one of the contractors who helped create this important new facility, are interested in its completion. We have set May 22nd, from 11:00 a.m. to 2:00 p.m. E.D.T., to demonstrate the tunnel to friends of NACA -- contractors, important members of the community, and the press -- and it is my sincere pleasure to invite you to be present on that occasion.

If you can be with us on this date, please plan to arrive at our Main Gate by 10:30 a.m. E.D.T. Attendance will be limited to guests registered in advance by written acceptance of this invitation.

Yours very truly,

Edward R. Sharp
Director

Enclosure
Acceptance form

(Substitute first sentence in third paragraph for local persons other than contractors).

"We know of your interest in the progress of the Lewis Flight Propulsion Laboratory, and believe you will share with us our pride and enthusiasm for this newly-completed facility".

PROPOSED SCHEDULE

Inspection of Lewis Unitary Plan Wind Tunnel - May 22, 1956

10:30 a. m. Guests begin arriving at LUPWT; Register in Lobby; Proceed to Shop

11:00 a. m. Begin talks in shop area.

- (3 min.) 1. Dr. E. R. Sharp, Director, LFPL; Host, Master of Ceremonies; Welcome.
- (5 min.) 2. Dr. Hugh L. Dryden, Director, NACA; History and Meaning of Unitary Plan.
- (5 min.) 3. Abe Silverstein, Associate Director; Importance of Large Research Facilities to air Progress.
- (3 min.) 4. Eugene W. Wasielewski, Assistant Director; Tribute to Ingenuity and Competence of Designers and Contractors.
- (2 min.) 5. James R. Braig, Representative of Contracting Officer, Tribute to Speed and Cooperation of Contractors.
- (2 min.) 6. Dr. John C. Eward, Chief, Supersonic Propulsion Division; Acceptance of LUPWT as Research and Development Tool.
- (18 min.) 7. Carl F. Schueller, Chief, LUPWT Research Branch; Description of Tunnel Features, Capabilities, Program, Procedures.
- (5 min.) 8. Robert R. Godman, Chief, LUPWT Operations Branch; Instructions for the tour, luncheon and subsequent tunnel demonstrations.

11:45 a. m. Start tour in 6 parties at the following locations: (guides as speak

- 1. Control room, then Damp room, underside of test section, underside of nozzle.
- 2. Flexible wall, then test section interior, Schlieren, 2nd thro
- 3. Exhauster Building, then 24-ft. valve and exhaust mufflers.
- 4. Secondary Drive Building, Compressor #2, then drive motor
- 5. Air Dryer, then Sub K
- 6. Main Drive Building, then engine fuel system, and #1 cooler in accoustical house.

All groups return to Shop Area following the complete circuit to

12:30 pm Begin Buffet Luncheon in Shop Area. Following luncheon exhibit and work in shop area may be inspected.

1:25 Start Tunnel

1:30 Demonstrate tunnel, Central Data Recording, and ERA 1103. Visitors will be divided into two groups; Group A will be in Observation Room to observe Control Room activities; Group B will be seated in Room 200 for description of CAADE and ERA. Groups A and B will change places.

1:45

2:00 Inspection ceremonies are concluded. Visitors depart.

(Inspection of special features of LUPWT office building can take place at this time, if desired)

Washington, D.C.
April 18, 1956

LEWIS

FROM: NACA Headquarters
TO : Lewis

ATTN: Mr. Willson Hunter

Dear Will:

1. Here are the files you borrowed from ~~Wilmer~~ **Sharp** for me. You promised him they would be returned promptly and I hope this will do so.
2. I'll take this opportunity to furnish some of the answers requested on your list. I have already given this information to Jack Brown by phone, so this is written confirmation.
3. Dr. Dryden has agreed to be present at the 10- by 10-ft Unitary Wind Tunnel Inspection on May 22 and will make a brief talk. He will be making a trip to London for the Wright Brothers Lecture shortly before, but plans to return in time.
4. On the question of invitations to members of the Main Committee and Power Plants Committee, Dr. Dryden advises that this list need go no further than the chairmen.
5. The other matters on your list we're working on and will have answers in due course. By the middle of next week I expect to be able to furnish you a fairly close estimate of the number of press representatives and headquarters people you may expect will attend.

Many thanks for your great help.

Yours,



Joe Stein

Aeronautical Information Specialist

DIRECTOR

Budget

RMS

Lupa

Lib

F & C

C & T

M & T

Physics

S-P

E-R

Res Rpt

Edit

M

M-I

Pers

Fiscal

Adm Serv

Clearance

Security

Proc

SERV

Eng Plan

Serv Sch

Safety

Engrg:

Draft

Elec

Mech

Mech:

Plt Oper

Mech Serv

Facil Oper

Fab

C & C A

C-A

Fac Eng

-W. Hunter

May 8, 1956

E. R. Sharp

Dr. Jerome C. Hunsaker
Massachusetts Institute of Technology
Cambridge 39, Massachusetts

Dear Dr. Hunsaker:

The Lewis Unitary Plan Wind Tunnel has been completed and is now in regular operation following a shakedown period of several months.

We plan a showing of the wind tunnel on May 22nd to various classes of people who have an interest in the tunnel. These include: contractors, suppliers and vendors who participated in the construction of the tunnel; the press; and some of the local officials, including the congressmen from nearby congressional districts. This showing is purposely being kept on a local scale and the national showing is to be made at the time of our next triennial inspection in October 1957.

The program on May 22nd will be a simple one, starting at 11:00 a.m. and finishing at 2:00 p.m., and will consist of a few remarks by yourself, if you choose, Dr. Dryden and one or two members of the staff of this Laboratory, followed by a tour. Included in the showing will be the Laboratory's new data reduction system.

I take pleasure in extending to the Chairman a most cordial invitation to attend. I am also extending an invitation to the Chairman of the Powerplant Committee, Mr. Frederick C. Crawford.

If you will let me know your wishes, I will be pleased to take care of your reservations and local transportation needs. I hope you may find it possible to be with us on this informal occasion.

Kind regards,

Sincerely,

Edward R. Sharp

Director

May 7, 1956

E. R. Sharp

Mr. F. E. Moscovics
A. O. Smith Corporation
250 Park Avenue
New York 17, New York

Dear Fred:

I sent you Friday the standard invitation to our showing of the Lewis Unitary Plan Wind Tunnel on the 22nd of May next. This will be a local affair largely, and the national showing will be made in connection with our Triennial Inspection in October, 1957.

We are inviting the press, the manufacturers and contractors who furnished supplies and built the tunnel, some local dignitaries, and, of course, your good self. I have also invited Messrs. Eiseman and Berg from your Cleveland organization. Invitations will number about 150; acceptances will be perhaps between 50 and 100.

The tunnel is now in regular operation after a shake-down period of some several months. The program will consist of a few remarks and an inspection in the usual NACA manner, starting at 11:00 a.m. and ending at 2:00 p.m.

I hope you will be able to make it, Fred, and I look forward to seeing you at that time.

Sincerely,

Edward R. Sharp
Director

ERS:mch

HUNTER, WILLSON H.
ENG. RES. DIV.
208-PSLO

Cleveland, Ohio
May 18, 1956

Inspection of the new 10- by 10-foot Supersonic Wind Tunnel

All members of the staff who may be excused from operations are invited to inspect the new 10- by 10-foot Supersonic Wind Tunnel on Wednesday, May 23, 1956, anytime between the hours of 10:00am to 12:00 noon.

The tour route will start at the main entrance of the tunnel and members of the tunnel staff will be available at the principal points of interest to answer questions.

The supervisors of those who cannot be spared on Wednesday are requested to make arrangements which will permit these people to inspect the tunnel at some future date.

(May 24, 1956)