# 1973 LEWIS INSPECTION

STOP	TITLE
1	QUIETING THE FLEET
2	CLEANER SKIES
3	POWERED LIFT
4	BIG BOOST FROM ROCKETS
5	SPACE ELECTRONICS TECHNOLOGY
6	CLEAN ENERGY
7	MATERIALS FOR MAN
8	THE IMPACT OF WEAR
9	SERVANTS IN SPACE
10	NASA EXHIBIT AREA

# 1973 IS INSPECTION

SEPTEMBER 19-21, 1973

CTOD				the first of the state of the	·		
STOP No.	TITLE	LOCATION	ORGANIZER	ASSOCIATE	CONSULTANT	BLDG. MGR.	TSCO REP.
1	Quieting The Fleet	10 X 10	E. W. Conrad (8353, 501-4)	B. Leonard (8540, 501-5)	C. Hauser (8179, 5-9)	F. Dunn (4127)	J. Sikora (7189)
2	Cleaner Skies	PSL 3 & 4	R. E. Jones (8184, 60-6)	H. Calvert (8504, 60-6)	C. Hauser (8179, 5-9)	H. Wine (8109)	P. Laisure (3159)
3	Powered Lift	9 X 15	R. Luidens (8044, 501-2)	C. Winzig (7245, 5-3)	C. Hauser (8179, 5-9)	B. Kluchnik (8085)	D. Goble (2257)
4	Big Boost from Rockets	Zero-G	H. Douglass (8121, 500-205)	R. Kohl/J. Kra (8122, 500-205	mer /8205, 500-103)	B. Kluchnik (8085)	R. Cimber (3168)
5	Space Electronics Technology	EPL	E. Otto (6175, 54-1)	E. Hurst • (4110, 54-1)	E. Miller/ Alexovich (8159, 54-5)	D. Thoennes (3202)	F. Baldizzi (3168)
6	Clean Energy	ERB, Center Section	L. Rosenblum (6278, 302-1)	F. Stenger (2171, 309-1)	C. Hauser (8179, 5-9) L. Shure (8388, 500-201) G. Brown (5237, 301-1)	N. Ricciardi (6218)	P. Getz (3184)
7	Materials for Man	MPL	J. Freche (3105, 49-1)	F. Garrett (2158, 49-1)		L. Herman (2298)	D. Prok (8172)
8	Impact of Wear	ERB, West Wing	R. L. Johnson (6238, 23-2)	M. Swikert (2142, 23-2	•	N. Ricciardi (6218)	D. Goble (2257)
9	Servants in Space	Ad. Bldg. Auditorium	H. Mark (5232, 301-1)	R. Gedney (5219, 301-1) Stanley S. Freden, Ken Kleinknecht, J	GSFC, 301/982-5		D. Prok (8172)
10	NASA Exhibit Area	Hangar .	J. Modarelli (2117, 5-5)	R. Schulke (4206, 5-5)		R. Kravanya (2155)	D. Prok (8172)



STOP NUMBER 1 - "QUIETING THE FLEET"

LOCATION

- 10 X 10 SUPERSONIC WIND TUNNEL

STOP ORGANIZER - E. W. CONRAD

STOP ASSOCIATE - B. LEONARD

BUILDING MANAGER - FRANK H. DUNN

TECHNICAL SERVICES - JOHN SIKORA

DOCUMENTARY FILM

SPEAKERS - TEAM 1:JAMES R. STONETEAM 2:CARL C. CIEPLUCHALLEN M. KARCHMERJAMES H. DITTMARRONALD G. HUFFJOHN W. SCHAEFERKENNETH J. BAUMEISTERFRANCIS J. MONTEGANIWILLIAM A. OLSEN, JR.JOSEPH A. YUSKA

# "QUIETING THE FLEET"

#### 1973 LEWIS INSPECTION ACTION SCHEDULE

## FUNCTIONAL AREA:

I. RESPONSIBLE PERSONNEL ASSIGNMENTS I. STOP PLANNING  1. Presentation Outline  a. Preparation begun  b. Submitted for Division Review  c. Approved by Division  d. Submitted for Inspection Hq. Review  e. Approved by Inspection Hq. Review  e. Approved by Inspection Hq. Review  c. Approved by Inspection Hq. a. Preparation begun  b. Submitted for Division Review  c. Approved by Division  d. Submitted for Division Review  c. Approved by Inspection Hq.  4. Revised Display Sketches  a. Preparation begun  b. Submitted for Division Review  c. Approved by Inspection Hq.  4. Revised Display Sketches  a. Preparation begun  b. Submitted for Inspection Hq.  4. Revised Display Sketches  a. Preparation begun  b. Submitted for Inspection Hq.  4. Revised Display Sketches  a. Preparation begun  b. Submitted for Inspection Hq.  4. Revised Display Sketches  a. Preparation begun  b. Submitted for Inspection Hq.  4. Revised Display Sketches  a. Preparation begun  b. Submitted for Inspection Hq.  1. Submitted for Division  6. Approved by Inspection Hq.  1. Submitted for Division Review  6. Approved by Inspection Hq.  1. Submitted for Division Review  6. Approved by Inspection Hq.  1. Submitted for Division Review <th>RESPONSIBILITY</th> <th></th>	RESPONSIBILITY												
<ul> <li>I. STOP PLANNING <ol> <li>Presentation Outline <ol> <li>Preparation begun</li> <li>Submitted for Division Review</li> <li>Approved by Division</li> <li>Submitted for Inspection Hq. Review</li> <li>Approved by Inspection Hq.</li> </ol> </li> <li>2. Display Sketches <ol> <li>Preparation begun</li> <li>Submitted for Division Review</li> <li>Approved by Division</li> <li>Submitted for Division Review</li> <li>Approved by Inspection Hq.</li> </ol> </li> <li>2. Display Sketches <ol> <li>Preparation begun</li> <li>Submitted for Division Review</li> <li>Approved by Division</li> <li>Submitted for Inspection Hq. Review</li> <li>Submitted for Division Review</li> <li>Submitted for Division Review</li> <li>Submitted for Division Review</li> <li>Approved by Division</li> <li>Submitted for Division Review</li> <li>Approved by Inspection Hq</li> </ol> </li> <li>4. Revised Display Sketches <ol> <li>Preparation begun</li> <li>Submitted for Division Review</li> <li>Approved by Inspection Hq</li> </ol> </li> <li>4. Revised Display Sketches <ol> <li>Preparation begun</li> <li>Submitted for Division Review</li> <li>Approved by Division Review</li> <li>Submitted for Division Review</li> <li>Submitted for Inspection Hq</li> </ol> </li> <li>4. Revised Display Sketches <ol> <li>Preparation begun</li> <li>Submitted for Inspection Hq. Review</li> <li>Submitted for Division Review</li> </ol> </li> <li>4. Revised Display Sketches <ol> <li>Preparation begun</li> <li>Submitted for Inspection Hq. Review</li> <li>Approved by Division</li> <li>Submitted for Inspection Hq. Review</li> <li>Submitted for Inspection Hq. Review</li> </ol> </li> <li>1. PARTICIPANT (SPEAKERS, ETC.) ASSIGNMENT</li> <li>1. Slides <ol> <li>Planned</li> <li>Submitted for Division Review</li> <li>Approved by Division</li> </ol> </li> </ol></li></ul>													
<ol> <li>Presentation Outline         <ul> <li>a. Preparation begun</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> <li>d. Submitted for Inspection Hq. Review</li> <li>e. Approved by Inspection Hq.</li> </ul> </li> <li>Display Sketches         <ul> <li>a. Preparation begun</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Inspection Hq.</li> </ul> </li> <li>Display Sketches         <ul> <li>a. Preparation begun</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Inspection Hq.</li> <li>Review</li> <li>e. Approved by Inspection Hq.</li> </ul> </li> <li>Presentation Text         <ul> <li>a. Preparation begun</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> <li>d. Submitted for Division Review</li> <li>e. Approved by Inspection Hq.</li> </ul> </li> <li>Presentation Text         <ul> <li>a. Preparation begun</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Inspection Hq.</li> <li>d. Submitted for Division Review</li> <li>e. Approved by Inspection Hq.</li> <li>d. Submitted for Division Review</li> <li>c. Approved by Division</li> <li>d. Submitted for Inspection Hq.</li> <li>for Division Review</li> <li>e. Approved by Inspection Hq.</li> </ul> </li> <li>IV. PRESENTATION VISUALS PREPARATION:         <ul> <li>a. Planned</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> <li>d. Planned</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> </ul> </li> </ol>													
<ul> <li>a. Preparation begun</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> <li>d. Submitted for Inspection Hq. Review</li> <li>e. Approved by Inspection Hq.</li> <li>2. Display Sketches</li> <li>a. Preparation begun</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> <li>d. Submitted for Inspection Hq. Review</li> <li>e. Approved by Inspection Hq. Review</li> <li>e. Approved by Inspection Hq.</li> <li>3. Presentation Text</li> <li>a. Preparation begun</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Inspection Hq.</li> <li>3. Presentation Text</li> <li>a. Preparation begun</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> <li>d. Submitted for Division Review</li> <li>e. Approved by Inspection Hq.</li> <li>4. Revised Display Sketches</li> <li>a. Preparation begun</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> <li>d. Submitted for Division Review</li> <li>e. Approved by Division</li> <li>d. Submitted for Division Review</li> <li>e. Approved by Division</li> <li>d. Submitted for Division Review</li> <li>e. Approved by Division</li> <li>d. Submitted for Division Review</li> <li>e. Approved by Inspection Hq.</li> <li>I. PARTICIPANT (SPEAKERS, ETC.) ASSIGNMENT</li> <li>IV. PRESENTATION VISUALS PREPARATION:</li> <li>I. Slides</li> <li>a. Planned</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> </ul>													
<ul> <li>b. Submitted for Division Review <ul> <li>Approved by Division</li> <li>d. Submitted for Inspection Hq. Review</li> <li>e. Approved by Inspection Hq.</li> </ul> </li> <li>2. Display Sketches <ul> <li>a. Preparation begun</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Inspection Hq. Review</li> <li>e. Approved by Division</li> <li>d. Submitted for Inspection Hq. Review</li> <li>e. Approved by Inspection Hq.</li> </ul> </li> <li>3. Presentation Degun <ul> <li>b. Submitted for Division Review</li> <li>c. Approved by Inspection Hq.</li> </ul> </li> <li>3. Presentation Text <ul> <li>a. Preparation begun</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> <li>d. Submitted for Division Review</li> <li>e. Approved by Inspection Hq.</li> </ul> </li> <li>4. Revised Display Sketches <ul> <li>a. Preparation begun</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> <li>d. Submitted for Division Review</li> <li>e. Approved by Division Review</li> <li>e. Approved by Division Review</li> <li>e. Approved by Division Review</li> <li>f. Approved by Division Review</li> <li>f. Approved by Division Review</li> <li>e. Approved by Inspection Hq.</li> </ul> </li> <li>10. Submitted for Division Review <ul> <li>e. Approved by Division</li> <li>d. Submitted for Inspection Hq.</li> </ul> </li> <li>11. PARTICIPANT (SPEAKERS, ETC.) ASSIGNMENT</li> <li>12. Slides <ul> <li>a. Planned</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> </ul> </li> </ul>													
<ul> <li>d. Submitted for Inspection Hq. Review</li> <li>e. Approved by Inspection Hq.</li> <li>2. Display Sketches <ul> <li>a. Preparation begun</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> <li>d. Submitted for Inspection Hq.</li> </ul> </li> <li>3. Presentation Text <ul> <li>a. Preparation begun</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Inspection Hq.</li> </ul> </li> <li>3. Presentation Text <ul> <li>a. Preparation begun</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division Review</li> <li>c. Approved by Inspection Hq.</li> </ul> </li> <li>4. Revised for Division Review <ul> <li>e. Approved by Inspection Hq.</li> <li>for Division Review</li> <li>e. Approved by Inspection Hq.</li> <li>for Division Review</li> <li>e. Approved by Inspection Hq.</li> <li>for Division Review</li> <li>c. Approved by Division Review</li> <li>d. Submitted for Division Review</li> <li>e. Approved by Division Review</li> <li>for Inspection Hq. Review</li> <li>e. Approved by Division Review</li> <li>for Inspection Hq. Review</li> <li>e. Approved by Inspection Hq. Review</li> <li>for Inspection Hq.</li> </ul> </li> <li>11. PARTICIPANT (SPEAKERS, ETC.) ASSIGNMENT</li> <li>12. Slides <ul> <li>a. Planned</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> </ul> </li> </ul>													
<ul> <li>d. Submitted for Inspection Hq. Review</li> <li>e. Approved by Inspection Hq.</li> <li>2. Display Sketches <ul> <li>a. Preparation begun</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> <li>d. Submitted for Inspection Hq.</li> </ul> </li> <li>3. Presentation Text <ul> <li>a. Preparation begun</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Inspection Hq.</li> </ul> </li> <li>3. Presentation Text <ul> <li>a. Preparation begun</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division Review</li> <li>c. Approved by Inspection Hq.</li> </ul> </li> <li>4. Revised for Division Review <ul> <li>e. Approved by Inspection Hq.</li> <li>for Division Review</li> <li>e. Approved by Inspection Hq.</li> <li>for Division Review</li> <li>e. Approved by Inspection Hq.</li> <li>for Division Review</li> <li>c. Approved by Division Review</li> <li>d. Submitted for Division Review</li> <li>e. Approved by Division Review</li> <li>for Inspection Hq. Review</li> <li>e. Approved by Division Review</li> <li>for Inspection Hq. Review</li> <li>e. Approved by Inspection Hq. Review</li> <li>for Inspection Hq.</li> </ul> </li> <li>11. PARTICIPANT (SPEAKERS, ETC.) ASSIGNMENT</li> <li>12. Slides <ul> <li>a. Planned</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> </ul> </li> </ul>													
<ul> <li>e. Approved by Inspection Hg.</li> <li>2. Display Sketches <ul> <li>a. Preparation begun</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> <li>d. Submitted for Inspection Hg. Review</li> <li>e. Approved by Inspection Hg.</li> </ul> </li> <li>3. Presentation Text <ul> <li>a. Preparation begun</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> <li>d. Submitted for Division Review</li> <li>e. Approved by Inspection Hg.</li> </ul> </li> <li>4. Preparation begun <ul> <li>b. Submitted for Division Review</li> <li>c. Approved by Inspection Hg.</li> <li>d. Submitted for Division Review</li> <li>e. Approved by Inspection Hg.</li> <li>4. Revised Display Sketches</li> <li>a. Preparation begun</li> <li>b. Submitted for Inspection Hg.</li> <li>c. Approved by Division</li> <li>d. Submitted for Inspection Hg.</li> <li>e. Approved by Division</li> <li>for Division Review</li> <li>e. Approved by Inspection Hg.</li> </ul> </li> <li>1. PARTICIPANT (SPEAKERS, ETC.) ASSIGNMENT</li> <li>IV. PRESENTATION VISUALS PREPARATION- <ul> <li>1. Slides</li> <li>a. Planned</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> </ul> </li> </ul>													
<ol> <li>Display Sketches         <ul> <li>Preparation begun</li> <li>Submitted for Division Review</li> <li>Approved by Division</li> <li>Submitted for Inspection Hq. Review</li> <li>Approved by Inspection Hq.</li> </ul> </li> <li>Presentation Text         <ul> <li>Preparation begun</li> <li>Submitted for Division Review</li> <li>Approved by Division</li> <li>Submitted for Division Review</li> <li>Approved by Division</li> <li>Submitted for Division Review</li> <li>Approved by Inspection Hq.</li> </ul> </li> <li>Submitted for Division Review</li> <li>Submitted for Division Review</li> <li>Submitted for Division Review</li> <li>Approved by Inspection Hq.</li> <li>Revised Display Sketches         <ul> <li>Preparation begun</li> <li>Submitted for Division Review</li> <li>Approved by Division</li> <li>Submitted for Inspection Hq.</li> <li>Review Division</li> <li>Submitted for Inspection Hq.</li> </ul> </li> <li>PRESENTATION VISUALS PREPARATION:         <ul> <li>Slides</li> <li>Planned</li> <li>Submitted for Division Review</li> <li>Approved by Division</li> </ul> </li> </ol>													
<ul> <li>a. Preparation begun</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> <li>d. Submitted for Inspection Hq. Review</li> <li>e. Approved by Inspection Hq.</li> <li>3. Presentation Text</li> <li>a. Preparation begun</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> <li>d. Submitted for Division Review</li> <li>e. Approved by Inspection Hq.</li> <li>4. Revised Display Sketches</li> <li>a. Preparation begun</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Inspection Hq.</li> <li>4. Revised Display Sketches</li> <li>a. Preparation begun</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Inspection Hq.</li> <li>f. Revised Display Sketches</li> <li>a. Preparation begun</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Inspection Hq.</li> <li>I. Submitted for Inspection Hq.</li> <li>II. PARTICIPANT (SPEAKERS, ETC.) ASSIGNMENT</li> <li>IV. PRESENTATION VISUALS PREPARATION:</li> <li>1. Slides</li> <li>a. Planned</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> </ul>													
<ul> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> <li>d. Submitted for Inspection Hq. Review</li> <li>e. Approved by Inspection Hq.</li> <li>3. Presentation Text</li> <li>a. Preparation begun</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> <li>d. Submitted for Division Review</li> <li>e. Approved by Inspection Hq.</li> <li>4. Revised Display Sketches</li> <li>a. Preparation begun</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Inspection Hq.</li> <li>4. Revised Display Sketches</li> <li>a. Preparation begun</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> <li>d. Submitted for Division Review</li> <li>e. Approved by Inspection Ha. Review</li> <li>e. Approved by Inspection Ha.</li> <li>II. PARTICIPANT (SPEAKERS, ETC.) ASSIGNMENT</li> <li>IV. PRESENTATION VISUALS PREPARATION:</li> <li>1. Slides</li> <li>a. Planned</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> </ul>													
<ul> <li>c. Approved by Division</li> <li>d. Submitted for Inspection Hq. Review</li> <li>e. Approved by Inspection Hq.</li> <li>3. Presentation Text</li> <li>a. Preparation begun</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> <li>d. Submitted for Division Review</li> <li>e. Approved by Inspection Hq.</li> <li>4. Revised Display Sketches</li> <li>a. Preparation begun</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Inspection Hq.</li> <li>4. Revised Display Sketches</li> <li>a. Preparation begun</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> <li>d. Submitted for Division Review</li> <li>e. Approved by Inspection Hq.</li> <li>Horowed by Inspection Hq.</li> <li>I. Submitted for Inspection Hq.</li> <li>II. PARTICIPANT (SPEAKERS, ETC.) ASSIGNMENT</li> <li>IV. PRESENTATION VISUALS PREPARATION:</li> <li>1. Slides</li> <li>a. Planned</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> </ul>													
<ul> <li>e. Approved by Inspection Hq.</li> <li>3. Presentation Text <ul> <li>a. Preparation begun</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> <li>d. Submitted for Division Review</li> <li>e. Approved by Inspection Hq.</li> </ul> </li> <li>4. Revised Display Sketches <ul> <li>a. Preparation begun</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division Review</li> <li>c. Approved by Division Review</li> <li>d. Submitted for Division Review</li> <li>e. Approved by Division Review</li> <li>c. Approved by Division Review</li> <li>d. Submitted for Inspection Hq. Review</li> <li>e. Approved by Inspection Hq.</li> </ul> </li> <li>11. PARTICIPANT (SPEAKERS, ETC.) ASSIGNMENT</li> <li>1V. PRESENTATION VISUALS PREPARATION: <ul> <li>1. Slides</li> <li>a. Planned</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> </ul> </li> </ul>													
<ul> <li>3. Presentation Text <ul> <li>a. Preparation begun</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> <li>d. Submitted for Division Review</li> <li>e. Approved by Inspection Hg.</li> </ul> </li> <li>4. Revised Display Sketches <ul> <li>a. Preparation begun</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> <li>d. Submitted for Inspection Hg. Review</li> <li>e. Approved by Inspection Hg.</li> </ul> </li> <li>11. PARTICIPANT (SPEAKERS, ETC.) ASSIGNMENT</li> <li>11. PRESENTATION VISUALS PREPARATION- <ul> <li>1. Slides</li> <li>a. Planned</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> </ul> </li> </ul>													
<ul> <li>a. Preparation begun</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> <li>d. Submitted for Division Review</li> <li>e. Approved by Inspection Hg.</li> <li>4. Revised Display Sketches</li> <li>a. Preparation begun</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> <li>d. Submitted for Inspection Hg. Review</li> <li>e. Approved by Inspection Hg.</li> <li>I. PARTICIPANT (SPEAKERS, ETC.) ASSIGNMENT</li> <li>IV. PRESENTATION VISUALS PREPARATION-</li> <li>1. Slides</li> <li>a. Planned</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> </ul>													
<ul> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> <li>d. Submitted for Division Review</li> <li>e. Approved by Inspection Hg.</li> <li>4. Revised Display Sketches</li> <li>a. Preparation begun</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> <li>d. Submitted for Inspection Hg. Review</li> <li>e. Approved by Inspection Hg. Review</li> <li>e. Approved by Division</li> <li>d. Submitted for Inspection Hg. Review</li> <li>e. Approved by Division Review</li> <li>e. Approved by Division</li> </ul>													
<ul> <li>c. Approved by Division</li> <li>d. Submitted for Division Review</li> <li>e. Approved by Inspection Hg.</li> <li>4. Revised Display Sketches</li> <li>a. Preparation begun</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Inspection Hg. Review</li> <li>e. Approved by Division</li> <li>d. Submitted for Inspection Hg. Review</li> <li>e. Approved by Inspection Hg.</li> <li>II. PARTICIPANT (SPEAKERS, ETC.) ASSIGNMENT</li> <li>IV. PRESENTATION VISUALS PREPARATION-</li> <li>1. Slides</li> <li>a. Planned</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> </ul>													
<ul> <li>d. Submitted for Division Review</li> <li>e. Approved by Inspection Hg.</li> <li>4. Revised Display Sketches <ul> <li>a. Preparation begun</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> <li>d. Submitted for Inspection Hg. Review</li> <li>e. Approved by Inspection Hg.</li> </ul> </li> <li>11. PARTICIPANT (SPEAKERS, ETC.) ASSIGNMENT</li> <li>1V. PRESENTATION VISUALS PREPARATION: <ul> <li>1. Slides</li> <li>a. Planned</li> <li>b. Submitted for Division Review</li> </ul> </li> </ul>													
<ul> <li>e. Approved by Inspection Hg.</li> <li>4. Revised Display Sketches <ul> <li>a. Preparation begun</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> <li>d. Submitted for Inspection Hg. Review</li> <li>e. Approved by Inspection Hg.</li> </ul> </li> <li>11. PARTICIPANT (SPEAKERS, ETC.) ASSIGNMENT <ul> <li>IV. PRESENTATION VISUALS PREPARATION:</li> <li>1. Slides <ul> <li>a. Planned</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> </ul> </li> </ul></li></ul>											•		
<ul> <li>4. Revised Display Sketches <ul> <li>a. Preparation begun</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> <li>d. Submitted for Inspection Hg. Review</li> <li>e. Approved by Inspection Hg.</li> </ul> </li> <li>11. PARTICIPANT (SPEAKERS, ETC.) ASSIGNMENT <ul> <li>IV. PRESENTATION VISUALS PREPARATION:</li> <li>1. Slides <ul> <li>a. Planned</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> </ul> </li> </ul></li></ul>											•		
a. Preparation begun b. Submitted for Division Review c. Approved by Division d. Submitted for Inspection Hg. Review e. Approved by Inspection Hg. 11. PARTICIPANT (SPEAKERS, ETC.) ASSIGNMENT 14. PRESENTATION VISUALS PREPARATION 1. Slides a. Planned b. Submitted for Division Review c. Approved by Division											•		
<ul> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> <li>d. Submitted for Inspection Hg. Review</li> <li>e. Approved by Inspection Hg.</li> <li>II. PARTICIPANT (SPEAKERS, ETC.) ASSIGNMENT</li> <li>IV. PRESENTATION VISUALS PREPARATION</li> <li>I. Slides</li> <li>a. Planned</li> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> </ul>													
d. Submitted for Inspection Hg. Review e. Approved by Inspection Hg. II. PARTICIPANT (SPEAKERS, ETC.) ASSIGNMENT IV. PRESENTATION VISUALS PREPARATION 1. Slides a. Planned b. Submitted for Division Review c. Approved by Division													
<pre>II. PARTICIPANT (SPEAKERS, ETC.) ASSIGNMENT IV. PRESENTATION VISUALS PREPARATION I. Slides</pre>											•		
<pre>II. PARTICIPANT (SPEAKERS, ETC.) ASSIGNMENT IV. PRESENTATION VISUALS PREPARATION I. Slides</pre>											•		
IV. PRESENTATION VISUALS PREPARATION 1. Slides a. Planned b. Submitted for Division Review c. Approved by Division								++		+++	-9		
1. Slides a. Planned b. Submitted for Division Review c. Approved by Division						+++	1++	++-	+++	111	1.1.		
1. Slides a. Planned b. Submitted for Division Review c. Approved by Division								1 1		++++	111		
a. Planned b. Submitted for Division Review c. Approved by Division			Ext.			+++	11+	++	+++-	111	+++		-+-+
b. Submitted for Division Review c. Approved by Division					TA		TIT	++-	TIT	111	11		T
	4						III	T		III	III		11
					I	IIT	A	II		111	11		
d. Submitted for Inspection Ha. Review							+++	4	11.	111	11		11
e. Approved by Inspection Hq.			The Cart	+-			+++	++-	A	1-+-+	+		
f. Ordered g. Completed						+++	111	11	-	+++	+++		- 1
g. Completed 2. Charts	·		-+			+++	+++-+	++-		1++	+++	0	++
a. Planned			CI SOLATERCO					+	+-+-+-	1-1-1-	+++		-++
b. Submitted for Division Review			RAM I		T			1-1-			111		11
c. Approved by Division						TH		11-			TH		TI
d. Submitted for Inspection Hg. Review					T		111	4	111	III	III		II
e. Approved by Inspection Hg.	•					11		IT	A	111			11
f. Ordered						111	111	11		+++	111		+
q. Completed			-++++		-+-+	+++	1-1-1	+		+++	++-		+1
3. Models a. Planned			111		+1		1++-	++-	+++	+++	+++		++
b. Submitted for Division Review					-+-		+++	++	+++	111	+++		++
c. Approved by Division		·			++	TA	ttt	++-		111	+++		T
d. Submitted for Inspection Hq. Review				++	11	TT		11	111-	TH		TH	++
e. Approved by Inspection Hg.					T	TH		11		III			TT
f. Ordered			No.		11	111		II		11	11		1
g. Completed						+++	11	1-		111	+++	0	+1
4. Movies			++++		++	+++	+++	+			+++	-++	-++
a: Planned b. Submitted for Division Review				1++	++	+++-	+++	++-		1+++	+++	-+-+-+	++
c. Approved by Division			++++	1-1	++	+++	1-+-	+	i I I	+++	+++		++
d. Submitted for Inspection Ha. Review			++++	111	++	+++	111	++-		1++	11	-+++	++
e. Approved by Inspection Ha.				111			111	11		ITT	TI	TH	Ti
f. Ordered			111	111			111	II		111	III		11
g. Completed					11	111	111	11		1-1-1	1.1.1		11
5. Other Displays -			1111		-+-+-		1-1-1-	1-1-1		1-1	+++		11
a. Planned	un de la companya de				-4	+++	+++	+			+++		
<ul> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> </ul>					+		A			+++	++++		++
d. Submitted for Inspection Ha. Review	1. <b>28. ju 6. s. s. s. s. s. s. s. s.</b>			++	++	+++-	1-1-			+++	+++		++
e. Approved by Inspection Ha.					++	TT	1++	T		1-1-	+++		tt
f. Ordered			Hada Sing		++	ttt						Tit	
g. Completed			1.111	T	T	1.11	ITT		IT	11+	141	TIT	TT
											TT	TT	11
					II	III					IIT	11	11
						III	III			III	111	11	11
NASA-C-74 (Kev. 7-71)			1.11	11	11	111	111	1.		111	LLI	111	11

Organizer: E. W. Conrad (8353, 501-4) Associate: B. Leonard (8540, 501-5) Consultant: C. Hauser (8179, 5-9)

# "QUIETING THE FLEET" I973 LEWIS INSPECTION FUNCTIONAL AREA: TECHNICAL EXHIBIT STOP # ]

#### SCHEDULE DATE: JULY 30, 1973

V. GENERAL AREA PREPARATION	RESPONSIBILITY	EST.	S CO	M-	MAR			T	T		T	T
	the state of the s			1 6.16.		1	PR	MAY .	IUN	JUL	AUG	SEP
		1	ITT	TT	TT	IT	TT	TITI	TT	TIT	IIII	III
1. Requirements Analysis (signs, cleanup, p	ainting)	1		TT		TT	TT		111	TT	TIT	TT
a. Begun	1		train all	Han Trabain	TT		11		TTT			111
b. Completed				11	ITT		TI	114	111			111
2. Sign Preparation				IT								
a. Begun			and the second							111	LILL	111
b. Completed		-		11-					11	141	1-1-1-	111
3. Painting			111	11			11	1111	11	111	111	111
a. Begun							11	1111	11	LA	111	111
b, Completed				11						111	LAL	111-
4. Cleanup				11								111
a. Begun				-			11			111		11
b. Completed			111	11.	111				111		14	
				11	11		11	1			11.11	1 . 1
SITE PREPARATION				11	111		11	1111	111	111	1111	lil
1. Exhibit Requirements Analysis Completed				1			4		11	111	111	111
2. Preliminary Safety Review Completed			Reality			11	1	1111		111	111	lii
3. Stage and Seating			11	11			11			111		111
a. Plan (Detail Sketches)	1 . E .	-	S. State	1			11		11	+++	111	111
<ul> <li>(1) Preparation begun</li> <li>(2) Submitted for Division Review</li> </ul>			A ALLA				AL	+++++	+++	+++	1-1-1	1++-
(2) Submitted for Division Review		· ·	and a			++	4	+++++	+++	+++	++++	1
(3) Approved by Division							14		+++	+++	111	++++
b. Design			11.	11.			+++	+++++	+++	+++-	111	111
(1) Stage			LY TO STALL	Luc is			14		+++			+++
(2) Backdrop									+++	+++		1
<ul> <li>(3) Static Displays</li> <li>(4) Submitted for Division Review</li> </ul>						-++-	14			111	++++	
4) Submitted for Division Review							4		+++	+++		1
<ul><li>(5) Approved by Division</li><li>(6) Submitted for Insp. Hq. Review</li></ul>						-++-	14		+++	+++		+++-
(6) Submitted for Insp. Hq. Review. (7) Approved by Insp. Hq.				的错误		-+		A	+++	+++		1.1
								A	+++	++++-	+	11
c. Equipment Ordered (Projectors, Screens	2			1 i		-+-+-	+++		+++	+++-	++++-	+
Special Lighting, Artwork, etc.) d. Construction/Installation					-+	-++-	+++		+++	+++	++++	11
d. Construction/Installation			++-	11	++	++-		++++	+++	+++		
(1) Stage			++	++-					+++	+++	++++-	++++
(a) Begun (b) Completed			+++	++-	++-	++-			+++	A		111
(2) Backdrop			++	++	-++-		+++	+++++	+++	4		tir
(2) Backdrop (a) Begun			++	+		++		TIA	+++	++++		1
(b) Completed				++	++-			++++	+++	A	HH	111
(3) Static Displays			++	++-	+++	11			ttt	141		1-1-
(a) Begun				++		tt	H	TTA	+++	+++		TIT
(b) Completed	1		++	tt		11		THE	+++	A	titt	111
(4) P.A. Systems				11-	111	++			++++	TT	1111	tit
(a) Begun				11		11		++++	TTT	TT	A	111
(b) Completed			TT	tt		TT	111	1111	ttt	111	1A	111
<ul> <li>(5) Projection Systems</li> </ul>			1.1	11	11	-11			TH	111		11
(a) Begun				TT		T	TTT	TITT	TIT	TTT	A	111
(p) Completed				TT	TI	TT	ITT		TTT	TT	14	111
(6) Special Signs, etc.				TT					III	III		11.
(a) Begun								ALLA	11			1.1
(b) Completed			11	11			111	1111	111	11	AI	111
e. All Operating Systems Tested			1	11	11			1111		111	IA	111
f. Final Safety Review Completed			1	11		11		IIA		11		11
				11	11			+++++				11
DIVISION REHEARSAL			++	++			+++	++++++	+	+-+-+	-0-	1-1-
. INSPECTION MANAGER'S REHEARSAL				1-	+ +-		+++		-+	+-+-+	+++	bi-t-
. INSPECTION MANAGER'S REHEARSAL			++	++-	+++	-++-	+++	+++++	+++		1-1-4-4-	191
			++	+			1-1-1	+++++	+++	+++	+++++	+++
			++	++-	+++	-+-	++	+++++	++	+++-		+
			T	TT			H	+++++		+		tit
	1		TT	TT			1-1-1	++++	+++	+++-	1-1-1-1-	111
N N N N N N N N N N N N N N N N N N N			++	11	+		1+1	++++++		+++-		1
			+++	TT			11		+++	TT	TTT	111-
			TT	11			111			+++-		TIT
*****			++	11-				++++++	+++	+++-	+++++	1
			tt	tt		++		+++++	tit	++++	111-	1
			TT	TT		1+		11+++	+++	+++	1-1-1-	1++
				TT				+++++	+++	+++		111
				++	mpun		1-1-1		+++	++++		
				1-1-	-	++	+		+++			
			++-	++			++-	+++++	++	+++	1-1-1-1-	1-1-1-
			++-	++-	++-	-+-+-	1-1-1		+++	+++	+++	++++



STOP NUMBER 10 - "NASA EXHIBIT AREA"

LOCATION - FLIGHT RESEARCH BUILDING (HANGAR)

STOP ORGANIZER - JAMES J. MODARELLI

STOP ASSOCIATE - RICHARD SCHULKE

NASA REPRESENTATIVES

AMES	141	FRED STYLES/STANLEY MILLER
LANGLEY	-	AXEL MATTSON
WALLOPS	-	JOSEPH E. ROBBINS
MARSHALL	-	J. A. BETHAY
KENNEDY	-	GORDON HARRIS
FLIGHT	-	RALPH B. JACKSON
JOHNSON	- 1	KENNETH S. KLEINKNECHT
GODDARD	-	GEORGE COLETTO
JPL	-	RICHARD PHILLIPS

BUILDING MANAGER - RUDY KRAVANYA

TECHNICAL SERVICES - DANIEL PROK

SHIPPING COORDINATOR- A. H. PAGLIUCO

# 1973 L 'S INSPECTION ACTION SCHEDULE

• • •

. .

FUNCTIONAL AREA: TECHNICAL-HANGAR

# SCHEDULE DATE: March 12, 1973

ITEM	RESPONSIBILITY	EST.	COM- PLETE	MAR	APR	MAY	JUN	JUL	AUG	SE
. DETERMINE EXHIBITS FROM:	CARACTER STREET			TIT	TTT	III	III	IAI	LIT	III
1. Smithsonian Institute										
2. NASA										
a. Headquarters										
b. Langley										
<ul> <li>b. Langley</li> <li>c. AMES</li> </ul>										
d. Manned Space										
e. Marshall										
f. Goddard										
3. NASA Contractors		I								
a. GD/C										
b. JPL										
I. SHIPPING ARRANGED			1-1-1	1						
II. LAYOUT DETERMINED										111
1. Rough						1				
2. Final									411	11
										11:
V. ALL EXHIBITS										
1. Received				11						14
2. Erected										4
				111						
AUXILLIARY SETUPS COMPLETED										
1. Bathrooms										11
2. Refreshments										4
3. Seating										4
	and the second									
			1111							
·						111				11
						111			111	11
										I
						T				11
										T
						1-1-1-1		++++	++	

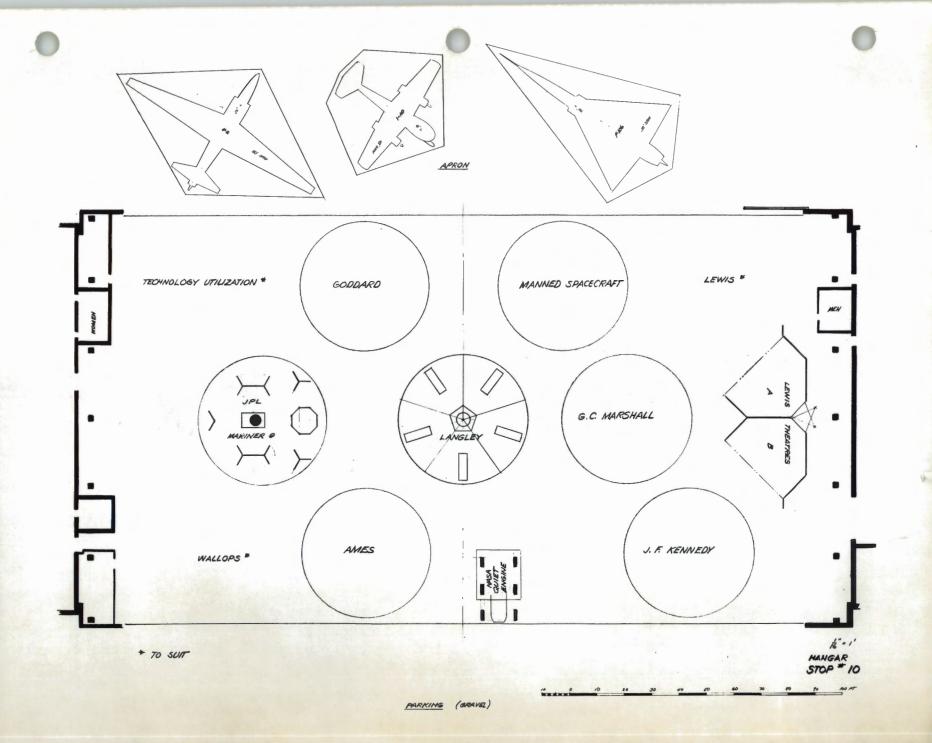
....

•

## HANGAR EXHIBIT AREA STOP 10

MAIL

				MAIL
		ORGANIZATION	PAX	STOP
	Chairman	James J. Modarelli	2117	5-5
	Co-Chairman	Richard G. Schulke	4206	5-5
	Building Manager	R. F. Kravanya	2155	4-2
	Shipping Coordinator	A. J. Pagliuco	5102	28-1
	Logistics	M. Filipovic	8074	107-1
	TUExhibits	Harrison Allen	8049	3-19
	Publicity	Hugh Harris	2140	3-11
	Lewis Hangar Subject Areas:			
	Noise	Carl Ceipluch	4277	501-4
		Lou Roskilly	8031	501-4
	Technology Utilization	Harrison Allen	8049	3-19
	Motion Picture	Lou Revnyak	2158	49-1
	Electrical	John Maclean	8525	23-1
	Bar	Jack Powell	8480	5-5
	Store	Robert Schmidt	8000	3-7
	Educational Services	Calvin Weiss	8001	6-3
	ASRADI	Paul Ordin	6134	6-2
•	Spacemobile Lectures	Calvin Weiss	8001	6-3
	NASA Headquarters:			
	Exhibits	Al Nagy	8-202-7	55-3345
	Technical Information	Frank Rowsome		55-3548
	Technology Utilization	Jeffry Hamilton		55-3777
	Educational Programs	Fred Tuttle	-	55-3602
	International Affairs	Arnold Frutkin		55-3868
	NASA Center contacts for Han			
	Ames	Fred Styles	8-415-9	65-5105
	Alternate	Stan Miller		65-5091
	Langley	Axel Mattson		27-2932
	Alternate	Pete Korycinski		27-2526
	Wallops	Joseph E. Robbins		24-2201
	Marshall	J. A. Bethay		53-3079
	Also	Erich McInnes		53-3077
	Alternate	Tom Andrews		53-0037
		Ross Rives		53-0037
	Kennedy	Paul Gauger		67-5496
	Alternate	Ray Corey		
	Flight Research	Ralph B. Jackson	8-805-2	58-2221
	Johnson (Manned Space)	Kenneth S. Kleinknecht		83-3558
	Also	Willis Mitchell	8-713-4	83-2126
	And	Paul Sturtevant	8-713-4	183-4241
	Alternate	Charles Biggs	8-713-4	183-4241
	Goddard	George Coletto	8-301-9	82-4955
	Jet Propulsion Lab	Richard B. Phillips	8-213-3	354-7006
	Alternate	Frank Colella		
	Plum Brook	John Weeks	10-359	
	Smithsonian:	Fred Durant	8-202-3	381-5768
	Center contacts for Technolog			
	Marshall	Tom Andrews		153-0037
	Ames	Paul Bennett		965-5659
	Also	Bradford Evans		965-5554
	Langley	John Samos		327-3281
	Kennedy	Lee DuGoff		367-2544
	Johnson	Charles Biggs		483-4241
	Goddard	Charles Boyle		982-5366
	Headquarters	Alex Nagy	8-202-1	755-3345



over this, but him in couch with a leader for shis these 9 is of Chica Les Abstrals and Plansing Office

series? Constitution

Dr. Christopher C. Kraft, Jr. The light we sand to display representative Director Lyndon B. Johnson Space Center National Aeronautics and Space Administration Houston, TX 77058

#### Dear Chris:

As you probably know, NASA, at George Low's instigation, plans a series of formal "inspections" of each of the field Centers, in turn, as one way to help review our achievements and program for an influential segment of the public, and Lewis is to lead off. Accordingly, we have set Wednesday, September 19 through Sunday, September 23 as the dates and 'Technology in the Service of Man" as the theme for the 1973 Inspection. I cordially invite you to attend the inspection personally; we will send you more details later. I also earnestly solicit your cooperation in order that we can highlight activities from all of NASA and not just Lewis.

Inspection plans call for hosting about 500 invited guests on September 19 to 21 and larger numbers of local public on September 22 and 23. On September 19 to 21, guests will be conducted among 10 tour stops, with approximately 25-minute lecture-demonstrations at 9 of them, as follows (tentative titles):

- I. Quieting the Fleet
- 2. Cleaner Skies
- 3. Powered Lift
- 4. Big Boost from Rockets
- 5. Space Communications Technology
- 6. Energy for a Better Life
- 7. Materials for Man
- 8. The Impact of Wear
- Servants in Space (Emphasizes ERTS and Skylab-EREP) 9.
- 10. General Assembly and NASA Exhibit Area

I will need your help with Item 9, "Servants in Space", as this discussion will feature capabilities and findings with Skylab-EREP. Will you designate a representative from your staff, and

#### 1010

after discussing your contribution with him, put him in touch with us--hopefully by mid April? Our coordinator for this item 9 is Mr. Edward A. Richley, Chief of Operations Analysis and Planning Office, FTS 216-433-6775.

The tenth location, our hangar area, will be for general assembly and our main exhibit area; it is here that we want to display representative work and programs from other NASA Centers. In order that your Center be properly represented, will you, by mid-April, please name someone who will be coordinating your Center's participation? Coordinator of this tenth location here is Mr. James Modarelli, Chief of the Management Services Division, FTS 216-433-6460.

I am looking forward to your participation and to having you with us this fall.

Best personal regards, set decree tracks institution, plus a Sincerely yours, to the provide out achievements and progress for

Bruce T. Lundin sprissly solicit your committee in the livities of lend Director solicits and "Technology in the furvice of Hend atting personality; we will send you mure details Director solicit activities from all of FASA and not just Locis.

insolotion place still for heating shout 500 invited guests on source up to call the signal products of local public on september 50 and 25% 01 features 19 to 21, guests will be conjusted agoin 10 r stops, will also signately 25ms/sub leature-demonstrations at 9 of test. 1 for as (teststive tists.);

Class C. Fleet
 Class Science (1981)
 Second Lift
 Bay Dense from Rockets
 Second from Rockets

The teach location, our hanger eren, will be for general essently and our will achibit eren; it is hard that to want to display representation work and aregums from other MASA Conters. In order that your Genter

1

June 29, 1973

tion t

## MEMORANDUM

TO:	1003/Inspection Headquarters
FROM:	Chief, Management Services Division
SUBJECT:	Hangar Exhibit Area

About 36,000 square feet will be available in the Hangar for Exhibits. All NASA Centers have been contacted (Attachment I), and we are now awaiting specific details on their participation.

We have created an interim floor plan (Attachment II) showing the participants and we will be adding the cocktail bar area after more details are available. (Lewis exhibit items will be utilized as appropriate).

The cocktail bar area will be modified to accomodate the sales counter for souvenirs during the "Open House" days following the Inspection.

James J. Modarelli



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION LYNDON B. JOHNSON SPACE CENTER HOUSTON, TEXAS 77058

EPLY TO KA2-34-73

August 6, 1973

Dr. W. T. Olson Director, Technology Utilization and Public Affairs Mail Code 3-16 NASA Lewis Research Center 21000 Brookpark Road Cleveland, OH 44135

Dear Dr. Olson:

The purpose of this letter is to summarize the status of planning and preparation for the participation of this Center in the 1973 Lewis inspection. Mr. J. J. Modarelli, of Lewis, visited in Houston on July 25, 1973, and met with representatives of the JSC Skylab Program Office, Science and Applications Directorate, Public Affairs Office, Kennedy Space Center, and Marshall Space Flight Center regarding plans for the general display area. On August 1, representatives of the same JSC offices traveled to Lewis to meet with Dr. Herman Mark concerning the presentation material and displays for the servants in space tour stop. These meetings, as well as additional telephone discussions with Goddard Space Flight Center participants, have served to establish the specific requirements for our participation and have also eliminated any inter-Center duplication which might have existed.

The floor layouts for the hangar general display area have been prepared and the specific display items are being prepared or assembled. Enclosure 1 is a listing of the display items we plan to furnish for this area. Enclosures 2 and 3 show the preliminary floor layouts. All of these materials are scheduled to be in place in the hangar area on September 12. In addition to this material for the JSC area, we will also participate in the joint Space Shuttle display area with item 5(b) of enclosure 1.

For the servants in space tour stop, we will employ two displays of the type shown in enclosure 4. A small model of the Skylab and a 3-foot Skylab logo will be included for added interest. This material will be available in the auditorium at Lewis for the rehearsal presentation on September 6. Since the tour participants will have little time to examine these displays at this tour stop, they will be duplicated in the hangar display area where they may be examined at leisure.

The rough draft of the oral presentation material was submitted to Dr. Mark at Lewis on July 27. The final edited and corrected version will be submitted on August 7. JSC will supply two speakers to support the servants in space tour stop. These speakers will be Mr. J. L. Kaltenbach, Science and Applications Directorate, and Mr. L. H. Ballinger, Earth Resources Program Office. These speakers will be present at Lewis to support the rehearsal on September 5 and 6, and on September 19 through 21.

The dates for delivery of display items and oral presentation material were agreed to by Dr. Mark and Mr. Modarelli. Any required adjustments in these dates should be made as soon as possible.

On August 20, I will hold a review of the displays and visual and oral presentations which JSC will furnish for the inspection. I would be very pleased to have a representative from Lewis present at that review. If you have any questions or any comments concerning our participation, please call me at any time. We are pleased to support your activity and wish to cooperate in every way.

Sincerely,

Genueth S. Fleindnecht

Kenneth S. Kleinknecht Manager Skylab Program

4 Enclosures

cc: LeRC, 5420/H. Mark LeRC, 1900/J. J. Modarelli LeRC, 1011/C. W. Weiss

bee:	
AA/C. C. Kraft, Jr.	HA/J. G. Zarcaro
AB/S. A. Sjoberg	HB/O. Smistad
AC/G. W. S. Abbey	HB/L. H. Ballinger
AP/J. W. King	KA/A. D. Aldrich
DA/R. S. Johnston	📉 TA/A, J. Calio
HA/C. E. Charlesworth	TF/R. B. MacDonald
	TF6/J. L. Kaltenbach
and a language as a set of the se	the second se

KA2/WBMitchell:mlw:8/7/73:2126

## PROPOSED EXHIBITS FOR LRC INSPECTION September 19-21, 1973

- 1. Apollo Command Module (to be shipped to LRC from Downey in route to Smithsonian).
- 2. Apollo/Soyuz Exhibit including 2/5 scale docking system (used at the Paris Air Show).
- 3. Life Sciences (to be developed).
- 4. Full scale Apollo 17 ALSEP equipment.
- 5. Modular exhibits covering the following areas: (each display to be 5' to 10' in length).
  - a. New knowledge (earth resources)
  - b. Life Sciences (complete)
  - c. EREP (to be constructed)
  - d. Lunar Sample Material Preparation and Distribution
  - e. Lunar Geology
  - f. Space Food (Mercury, Gemini, Apollo and Skylab)
  - g. Skylab Suit Exhibit
  - h. Space Shuttle
  - i. Apollo Man to the Moon (complete)
  - j. Man in Space, The First Decade (complete)
  - k. Earth Surveys (complete)
  - 1. Fire Safety (complete)
  - m. Earth Observations (complete)
  - n. Skylab Medical (complete)
  - o. Veterinary Medicine in Space (complete)
  - p. Apollo Medical (complete)
  - q. Bioinstrumentation, Apollo (complete)
- 6. 25' Spectrum of Electromagnetic Energy Radiation Panel Display.





NATIONAL AERONAUTICS AND SPACE ADMINISTRATION LEWIS RESEARCH CENTER CLEVELAND, OHIO 44135

August 23, 1973

REPLY TO ATTN OF:

1900 M.S. 5-5

TO:	NASA Goddard Space Flight Center
	Attn: George Coletto

FROM: Chairman, Hangar Exhibit Area

SUBJECT: Lewis Inspection Participation

Attached is an interim floor plan layout of the Lewis Hangar. It reflects the latest information available to us and is obviously subject to change until we receive final decisions on exhibit contributions from all participants.

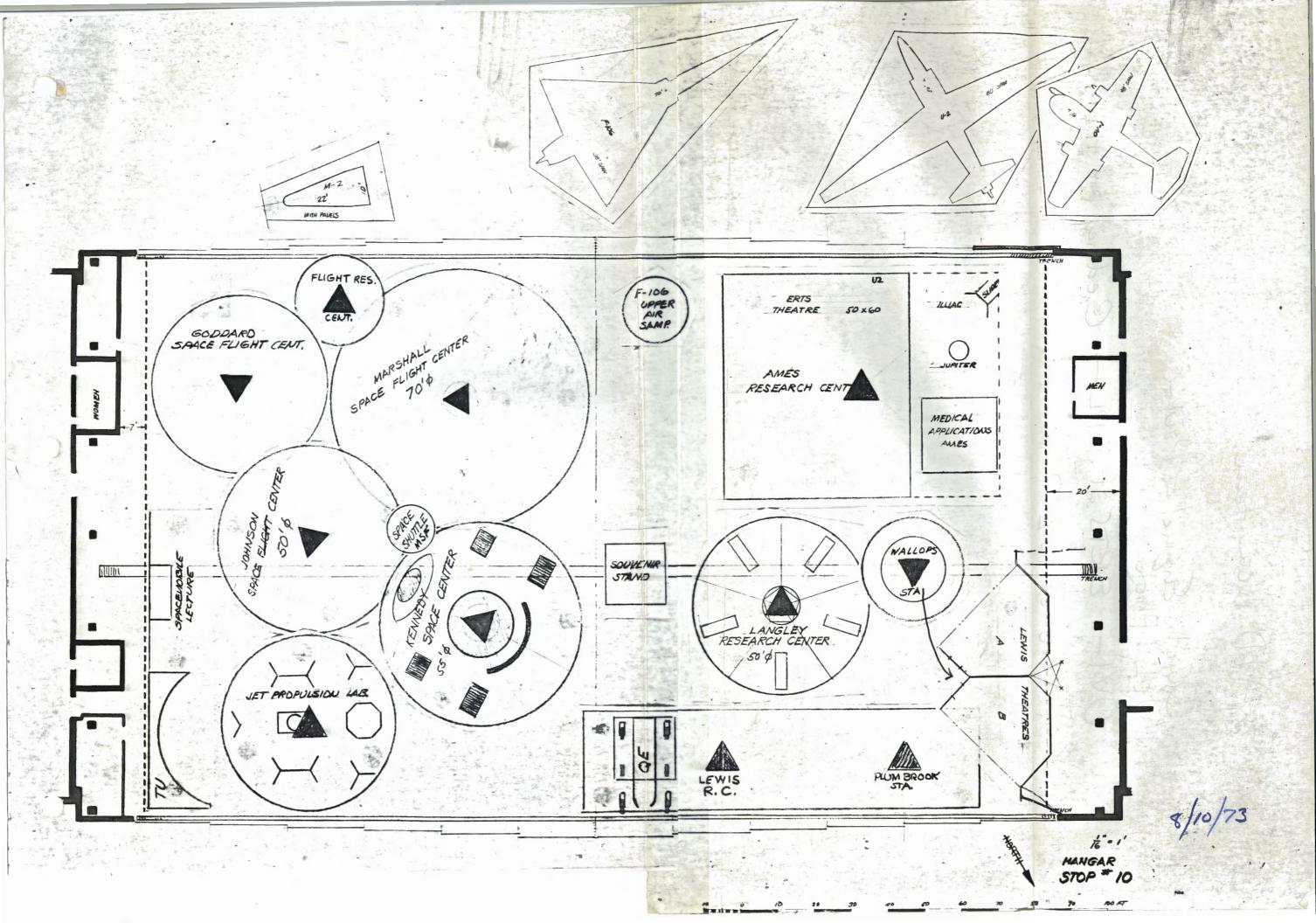
Your comments and suggestions are solicited. We would appreciate your individual floor plan to scale and answers to the questions listed below not later than August 29. Please indicate on the floor plan which exhibits are single and which are double-faced.

- (a) Expected shipping date
- (b) Anticipated arrival date
- (c) Shipper's name and Government Bill of Lading Number
- (d) Names of personnel to assist in exhibit setup
- (e) Personnel arrival date, flight number, etc.
- (f) Motel requirements
- (g) Estimate total man-hours for setup
- (h) Number of man-hours Lewis is expected to provide
- (i) Recommended location of electrical service supply line(s)
- (j) Amperage requirements
- (k) Other

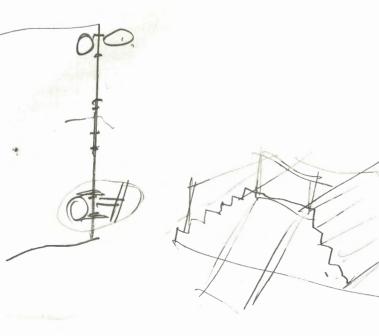
In addition to electrical service to your area, Lewis will supply a triangular sign to be suspended 12 to 15 feet over each Center's area. This sign will measure 8 feet on a side by 20 inches high and will include the Center's title and location.

We are looking forward to working with you. Please let us know if we can be of additional assistance.

IM Modarelli



AID noom item Quiet Ensine - Paul-UpL Photo OVI- ERTS at EPL- Gedney and Markes-F-106 or 102 ? ##





September 20, 1973

# 1900

#### MEMORANDUM

TO: 1003/Edward A. Richley

FROM: 1900/Hangar Exhibits Chairman

SUBJECT: Disposition of Exhibits

Ames had an obligation for the 15th Anniversary and find it necessary to remove the medical exhibit, which demonstrates heart beat, pulse rate, and so forth, along with the Jupiter exhibit immediately after the Inspection is over. Present plans call for removal on Saturday morning, September 22, 1973. Ames also plans to remove the U2 airplane so that it can return to Wallops to continue its flight program.

Langley also indicated an interest to remove and return exhibits on October 1, 1973 because of prior commitments.

Headquarters is planning a 15th Anniversary dinner in early October and have made arrangements with the Johnson, Marshall, and Kennedy people to borrow certain items for this dinner. I'm not sure which models they'll use but it will probably be the nicer ones.

The remaining items are to be available after the open house on September 30, 1973 with removal as rapidly as convenient.

One further request came from the Johnson Space Center to remove two Earth Resources exhibits, located in the Ad Building Auditorium for shipment to Wyoming.

In addition, the 1/2 scale ERTS model is to be shipped to Pennsylvania on September 22, 1973.

James J. Modarelli

1900:JJM:bak 9-20-73





NATIONAL AERONAUTICS AND SPACE ADMINISTRATION WASHINGTON, D.C. 20546

REPLY TO ATTN OF: FAE

September 24, 1973

Mr. James Modarelli Chief, Management Services Division Management Directorate Lewis Research Center 21000 Brookpark Road Cleveland, OH 44135

Dear Jim:

Thanks for offering to help arrange the shipment of the items on the list attached, for the NASA anniversary dinner here on October 4. I suppose the best way to ship is by exclusive household van, to assure straightthrough shipment and on-time delivery.

Most efficient is to ship direct to the Washington-Hilton Hotel, Florida and Connecticut Ave., NW (delivery to Columbia Road loading dock) provided shipment is positively timed for delivery no later than mid-morning Thursday, October 4. If this can't be done, maybe it can arrive at the NASA Warehouse, 1411 South Fern St., Arlington, Virginia, on Wednesday and we can hold the loaded truck overnight to unload at the Hilton next morning. In any case, John Frisina from Headquarters Transportation will be in touch with Al Pagliuco on details.

Owning Centers have given me permission to divert these items.

Sincerely,

Neal Sto- botucen Will deliver at Hotel 8 \$ 10 at Hotel

Alex P. Nagy Associate Director Planning and Media Development Office of Public Affairs

cc: DHB-41/JFrisina GHoy/LeRC; FRC; ARC; JSC; KSC; LaRC; MSFC; Wallops



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION LEWIS RESEARCH CENTER CLEVELAND, OHIO 44135

July 10, 1973

REPLY TO 1010

MEMORANDUM

TO: Addressees

FROM: 1010/General Chairman, 1973 Inspection

SUBJECT: 1973 Lewis Inspection: September 19, 20, 21

Invitations to the 1973 Lewis Inspection, "Technology in the Service of Man" have now been issued to about 7000 leaders of government, business and industry, labor, education, and the professions with an expectation of 1500 acceptances for September 19, 20, and 21. If we are overwhelmed, we anticipate adding September 18, -or even September 17 or September 24. Plan accordingly.

Rehearsals at tour stops are scheduled as follows. Stop organizers and their co-workers are urged to be well prepared so that changes and further rehearsals will be a minimum.

Tuesday, September 4

9:30 a.m. - Stop 1 - Quieting the Fleet 11:00 a.m. - Stop 2 - Cleaner Skies 1:30 p.m. - Stop 3 - Powered Lift 3:00 p.m. - Stop 4 - Big Boost for Rockets

Wednesday, September 5

9:30 a.m. - Stop 5 - Space Electronics Technology 11:00 a.m. - Stop 6 - Clean Energy 1:30 p.m. - Stop 7 - Materials for Man 3:00 p.m. - Stop 8 - The Impact of Wear

Thursday, September 6

.9:30 a.m. - Stop 9 - Servants in Space

If there is any problem with this time-table, please let me know immediately.

Final run-throughs are expected to be scheduled in the time period September 10 to 12; please save these dates.

0 1

Walter T. Olson

Addressees: 0100/Bruce T. Lundin 0100/Bernard Lubarsky 0100/Henry C. Barnett 7000/James F. Connors 0110/E. J. Manganiello 9000/Edmund R. Jonash 1003/Edward A. Richley 1900/James J. Modarelli 1013/Hugh W. Harris 1960/John M. Powell 1000/Arthur R. Wycoff, Jr. 7221/Donald R. Thoennes 7013/Daniel S. Prok

2530/Earl W. Conrad	(1)
2132/Robert E. Jones	(2)
2520/Roger W. Luidens	(3)
9500/Howard W. Douglass	(4)
3300/Edward W. Otto	(5)
5100/Louis Rosenblum	(6)
5500/John C. Freche	(7)
2610/Robert L. Johnson	(8)
5420/ Herman Mark	(9)

2

July 12, 1973

1010

S Mr. 5

MEMORANDUM

TO: 0100/Director

FROM: 1010/General Chairman, 1973 Lewis Inspection

SUBJECT: 1973 Lewis Inspection

Here are some notes to accompany 9 viewgraphs reviewing 1973 Lewis Inspection. The viewgraphs are otherwise self-explanatory.

Viewgraph 1 - Title and Statement

We have not labeled the program "Inspection" in our outside correspondence.

Viewgraph 2 - Invitees

A more detailed summary is attached. NASA Congressional liaison (R. V. Lottman) will convey congressional invitations; all others (6800+, now) have been mailed. NASA Industrial Affairs is examining our list of 50 labor leaders for possible additional suggestions to us. NASA AA for Administration (W. Lilly) has our list of OMB invitees for personal follow-up. I plan to provide Jackson, Low, and Fletcher with a few selected names with a view that they might want to invite or host them personally. I've asked for our Convair and two other NASA aircraft to be reserved for possible special trips.

We anticipate 500 guests daily. If overwhelmed, we would use September 18, or even September 17 or 24.

Viewgraph 3 - Mailings

Samples attached. On schedule.

Viewgraphs 4,5 - Schedule

We will bus 9 groups among 9 tour stops, with opening session, lunch, and closing social hour in common. We bus from motels in morning.

One or more groups will be arranged by protocol.

A \$5 fee at registration covers lunch, coffee breaks, and social hour.

Viewgraph 6 - Materials

A typical stop; all 9 will generally conform: comfortable, but not opulent. Presentations will be informative, but not overtly promotional.

Viewgraph 7 - NASA Exhibits

Hangar is 275' x 150' with exhibits contributed by each Center and several Headquarters Offices to show mission and achievements of each.

Viewgraph 8 - Employees Day

Supervisors Club will be volunteer hosts. Technical Divisions must volunteer speakers for 5 minute versions.

Viewgraph 9 - Open Houses

Possibly as many as 10,000 to 12,000 people daily. Hangar is "surge tank", with shuttle buses for DEB parking on one side, shuttle buses for touring among 4 locations on other side. Volunteer organization and staffing for 2 shifts daily requires 8 coordinators, 40 speakers, 80 bus guides, 60 building guides, 24 hangar guides, 8 bus starters, and 40 alternates for "no shows".

#### Further Information

May 14, 1973 memo to RD-M/Edwin C. Kilgore gave cost estimate of 16,240 professional man-hours and 23,730 support man-hours (at \$10 and \$5 respectively, that's \$281,050 labor), plus \$75,200 in materials, supplies, and contracts; (total: \$356,250). Most purchase requests are in and total about \$70,000; so we're on-budget with dollars.

Walter T. Olson

#### Attachments

cc: Inspection Files

2 195 0



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION LEWIS RESEARCH CENTER CLEVELAND, OHIO 44135

August 23, 1973

REPLY TO ATTN OF:

1900 M.S. 5-5

TO:

mailed

FROM: Chairman, Hangar Exhibit Area

SUBJECT: Lewis Inspection Participation

Attached is an interim floor plan layout of the Lewis Hangar. It reflects the latest information available to us and is obviously subject to change until we receive final decisions on exhibit contributions from all participants.

Your comments and suggestions are solicited. We would appreciate your individual floor plan to scale and answers to the questions listed below not later than August 29. Please indicate on the floor plan which exhibits are single and which are double-faced.

- (a) Expected shipping date
- (b) Anticipated arrival date
- (c) Shipper's name and Government Bill of Lading Number
- (d) Names of personnel to assist in exhibit setup
- (e) Personnel arrival date, flight number, etc.
- (f) Motel requirements
- (g) Estimate total man-hours for setup
- (h) Number of man-hours Lewis is expected to provide
- (i) Recommended location of electrical service supply line(s)
- (j) Amperage requirements
- (k) Other

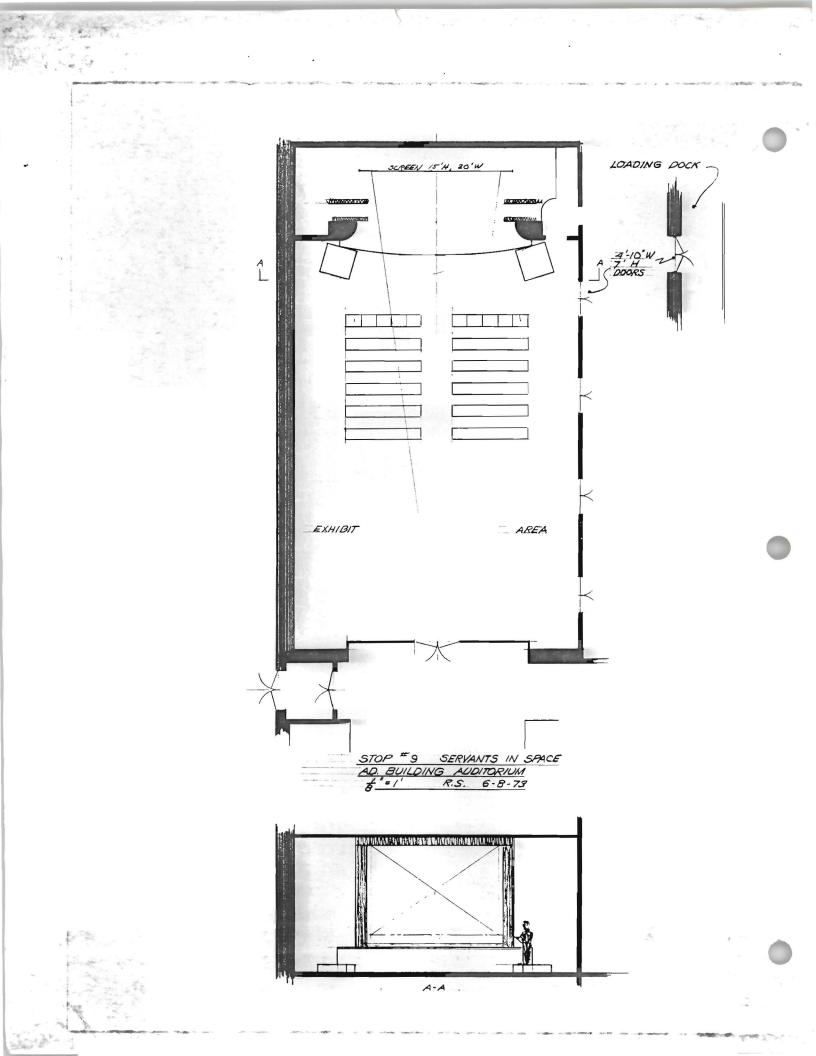
In addition to electrical service to your area, Lewis will supply a triangular sign to be suspended 12 to 15 feet over each Center's area. This sign will measure 8 feet on a side by 20 inches high and will include the Center's title and location.

We are looking forward to working with you. Please let us know if we can be of additional assistance.

James J. Modarelli

Inspection 1973

C-73-3475	Wallops Station	Joseph E. Robbins	804-824-2201
C-73-3416 3474 3477	Johnson Space Center	Charles Biggs	713-483-4241
C-73-3472	Goddard Space Flight Center	George Coletto	301-982-4955
C-73-3426	Kennedy Space Center	Paul Gauger	305 <b>-867-5496</b>
C <b>-73-34</b> 15 3422 3423 3479	Ames Research Center	Fred Styles	415-965-5105
C-73-3424	Flight Research Center	Ralph B. Jackson	805-258-2221
C-73-3411	NASA Headquarters (Exhibit prepared hy Jet Propulsion Lab for	Al Nagy	202-755-3345
C-73-3411	(Exhibit prepared hy	saic globe, (one of two Research Center Glob ecome part of a perma	>) e
C-73-3411 C-73-3425 3471 3476	(Exhibit prepared hy Jet Propulsion Lab for NASA Headquarters (Mars mo prepared by JPL. The Lewis is not available since it will b	saic globe, (one of two Research Center Glob ecome part of a perma e is JPL's.)	>) e
C-73-3425 3471	(Exhibit prepared hy Jet Propulsion Lab for NASA Headquarters (Mars mo prepared by JPL. The Lewis is not available since it will b built in exhibit, the other glob	psaic globe, (one of two Research Center Glob ecome part of a perma be is JPL's.) Tom Andrews Dr. Walter T. Olson thers	o) e nont
C-73-3425 3471 3476 C-73-3473 C-73-3419	(Exhibit prepared hy Jet Propulsion Lab for NASA Headquarters (Mars mo prepared by JPL. The Lewis is not available since it will b built in exhibit, the other glob Marshall Space Flight Center Lewis Research Center This temporary display and of from Lewis utilized working r	esaic globe, (one of two Research Center Glob ecome part of a perma is JPL's.) Tom Andrews Dr. Walter T. Olson thers research hardware	o) e nont





NATIONAL AERONAUTICS AND SPACE ADMINISTRATION LEWIS RESEARCH CENTER CLEVELAND, OHIO 44135

ATTN OF: 7013

August 24, 1973

#### **MEMORAND UM**

T0:

7000/Director, Technical Services 7000/Associate Director, Technical Services

FROM: 7013/Technical Services Coordination Office

SUBJECT: 1973 Inspection "Technology in the Service of Man"

In general all inspection stops are being assembled without any major problems, however the electrical and carpentry work are the pacing items.

The electrical work has lagged due to late deliveries of necessary fixtures, etc. Steps have been taken to alleviate this problem, substitutions of materials have been made and procurement is searching the market for other sources of required fixtures.

The carpentry work is being accomplished as manpower permits. The use of mechanic types assisting the carpenters and overtime should be enough to overcome the mountain of carpentry work on schedule.

The sky lights in ERB are in the process of being covered and all the painting in ERB should be complete by August 27, 1973 morning. The status of each inspection stop is as follows.

<u>Stop 1 - Quieting the Fleet</u>. 10x10 Shop All the staging and back panels have been assembled. High pressure piping for nozzles is complete. System should be ready to run August 28, 1973. Safety permit should be issued by then. Projection booth and electrical work in progress. Sound equipment is on site and being installed. Static displays are about 50% complete.

<u>Stop 2 - Cleaner Skies</u>. PSL #3 and #4 All staging and back panels are assembled and in place. The combustor rig has been assembled and hydrotested, several leaks were found and repaired. It should be ready to run August 27, 1973. Safety permit should be approved by then. The 16<sup>4</sup> x 16<sup>4</sup> per million dot board is being assembled, and should be ready for installation August 27, 1973. 2

Stop 3 - Powered Lift. 9x15 Tunnel All staging and back panels have been assembled. The two wind tunnels are installed. The wall, doors, etc., will be painted this weekend. The landing pattern display will be hung first part of next week. The projection booth and electrical work are almost complete.

<u>Stop 4 - Big Boost From Rockets</u>. Zero Gravity All staging and back panels are installed. Projection booth is installed and wired. The 13' movie screen has been fabricated and installed. The Centaur is being painted and should be ready for electrical work by August 28, 1973. It should be ready to hang August 30, 1973.

<u>Stop 5 - Space Electronics Technology</u>. EPL All staging and back panels are installed. TV equipment and sound systems are on hand. The spacecraft has been hung, however repairs to one of the solar arrays will be necessary. Request for safety permit has been issued due to the RF signals used during the presentations.

<u>Stop 6 - Clean Energy for a Better Life</u>. ERB, Center All staging and back panels are installed. The title boards have been installed. The tool crib has been covered. The projection is complete. Some of the displays have been installed. There is a possibility that the turbine car will not be delivered until September 14, 1973.

<u>Stop 7 - Materials for Man</u>. MPL All staging and back panels are installed. All experiments are installed and are being debugged. The projection booth is complete and wired.

<u>Stop 8 - Impact of Wear</u>. ERB, West All staging and back panels are installed. All displays and experiments are ready for installation. The projection booth is being installed and wired. The sound system is also being installed. We expect to start Division rehearsals at this stop August 27, 1973.

<u>Stop 9 - Servants in Space</u>. Admin. Building Auditorium The building should be ready for our use by August 28, 1973. The sound system is being worked on and a factory representative for this equipment is due here August 27, 1973 to put system into operation. The movie screen and stage curtains are due next week. Layouts have been provided.

<u>Stop 10 - Hangar</u>. Two theaters are being built. The signs for each center display are due September 7, 1973. Some displays are on site. A layout has been made for the hangar.

Daniel S. Prok

cc: 7221/D. L. Thoennes 7013/D. S. Prok (Files)

7013/DSProk:knz:8/24/73



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION LEWIS RESEARCH CENTER CLEVELAND, OHIO 44135

**REPLY TO** 1003 ATTN OF:

#### April 4, 1973

#### MEMORANDUM

TO: Lewis Inspection Stop Organizers

FROM: Vice Chairman, Lewis Inspection

SUBJECT: Site Preparations for the 1973 Lewis Inspection

Your cooperation is requested in channeling all site preparation requirements through the Tech Services Building Manager for your stop. He will order all materials and equipment needed 'such as paint, backdrops, staging, P.A. systems, etc. Also, if you have questions about Technical Services support, the Building Manager of the stop you are concerned with should be consulted.

			<b>Build</b>	ing Manager	PAX	
'Stop	1	10x10	F.	H. Dunn	4127	
Stop	2	PSL 3 & 4	Н.	T. Wine	8109	
Stop	3	9 x 15	В.	Kluchnik	8085	
Stop	4	Zero G	Β.	Kluchnik	8085	
Stop	5	8 x 6	В.	Kluchnik	8085	
Stop	6	ERB, CW 6-8	N.	Ricciardi	6218	
Stop	7	MPL	L.	Herman	2298	
Stop	8	ERB, West Wing	Ν.	Ricciardi	6218	
Stop	9	EPL (tentative)	Α.	Balazi	5241	
Stop 1	10	Hangar	R.	Kravanya	2155	

Edward A. Richley

cc: J. F. Connors D. L. Thoennes W. T. Olson D. S. Prok J. J. Modarelli J. M. Powell E. W. Conrad 1003:EARichley:jms 4/4/73

R. E. Jones

- R. W. Luidens
- H. W. Douglass
- E. W. Otto
- L. Rosenblum
- J. C. Freche
- R. L. Johnson

#### SHOW BUSINESS MINUTES

1:00 PM June 25, 1973

Jim Botos - All painting requirements are in the mill - except the Hangar. Waiting for 1974 budget money. Should be released the first of July. Platforms are being distributed and some are already distributed. We ordered 102 backdrops. We have all orawings from Dick Schulke. Paint is on order - white, light blue and dark blue - all latex. Rollers, pans and brushes will be available. See Al Wisniewski.

9x15 painting will be done in-house. Exterior doors will be done by contractors.

John MacLean - PR's for electrical work are being readied for 10x10. No problems with the other stops.

John Sikora - 70% complete on equipment for sound system.

Grady Speer - Work orders received from 10x10 - only 1 work order from 9x15. Prints are being held up in Ad Building.

Stop 6 - No work orders yet - had late start, but they will catch up.

Stop 4 - Going to hang up Centaur for background of stage.

Stop 10 - Apollo capsule - will try to hand Apollo parachute.

Stop 1 - 10x10 - Work orders are in.

Stop 2 - PSL 3&4 - Waiting for confirmation from B. Lundin to get prints.

Stop 3 - 9x15 - Everything moving along very well.

Stop 4 - Zero G - Polyethelene on the windows - no theater will be built - need 2 projectors or 8 slide projector.

Stop 5 - EPL - Everything going along pretty well. All equipment is locally available. Hang up satellite. Wing parts out of contract.

Stop 6 - ERB - Waiting for approval from Director. No accoustical problem.

Stop 7 - MPL - Everything going very well.

Stop 8 - C&T - Install hardware display items. Need backdrops and platforms. Need 1 projection booth.

Stop 9 - Ad. Bldg. - No displays to work on. Need 2 elevated podiums. Sky Lab and ERTS have not been finalized yet.

Stop 10 - Hangar - Making good progress on removing Block House. Floor will be patched and taken care of.

Outside Fab - All problems pretty much resolved.

Fab. Shop - no problems in Building 50.

Mach. Shop - Work that is left is minor.

All stops split amont 3 lead men. Botos needs 1 or 2 men for set up and painting. Botos will submit a copy of who is assigned to the different buildings.

Dan Prok - Procurement gets priority. Any purchase that has to be made should have the paper work going as quickly as possible because of the end of the fiscal year.

Everything should be in place the last week of August.

THE SHOW HAS TOP PRIORTIY.

#### Minutes - Show Business Meeting - August 14, 1973

Mr. Thoennes called the meeting to order at 1:00 P.M. He handed out maps of show stops and time schedules. On September 19, 20, and 21, invited guests will be here for an inspection tour of 9 stops. There will be a bus at each of the 9 stops. If we need a 4th day for the inspection, it will be on September 18, or the 24th. On September 23, we can bring in our own guests. There will be 5-minute talks at each of the stops and all the buildings will be open. The speakers at each stop will regulate their talks by how many people are there. Picnic grounds will be open for our use. Public Open House is September 29 and 30.

We are having rehearsals with the Director and Upper Management on: September 4 - stops 1, 2, 3, 4 - September 5 - stops 5, 6, 7, 8 - September 6 - stop 9. There will be 2 stops in the morning and 2 stops in the afternoon. We have 2-1/2 weeks to get ready for the rehearsal, plus 3 weekends.

Jim Botos is trying to get all platforms and backdrops up by this weekend. Each Building Manager should go out and make sure everything is getting done. 70% of the audio equipment is finished. We are having a hard time getting all the microphones we need. We will be looking for another supplier of microphones.

Stops 2, 3, 4, 5, 6 - lighting will be delivered on August 28. The order was just placed this morning (8-14-73). Dan Prok will check on all the PRs. Stop 8 - lights were supposed to be in on August 1, but they are not in yet.

Grady Speer said all parts are fabricated and will be finished up on Monday. Building Managers - make sure the area Safety Committee approves the stops. Maybe we will need a Safety Permit. Check to see if we do.

When we order paint, it should be by requisition. We should state light blue, dark blue or white.

All staging will be covered with masonite.

Jim Botos asked us to hold off on calling him in for small cut-out items until major things have been done.

Each stop was discussed and these are the items that were mentioned:

Stop 1 - 10x10 - Electrical - 2 items cannot be delivered until August 31, so we will use a substitute. Plumbing is just about all finished. Black polyethelene will be done at the last minute so that the crane will not be put out of operation.

Stop 2 - PSL 3&4 - Water piping is done - air piping almost all done - the model is being painted and then it will be sent over to PSL. Lighting is not here.

Stop 3 - 9x15 - All model parts will be in on Thursday, August 16, and then they will start checkout. Will need liquid nitrogen trailer in another week. Stop 4 - Zero G - Stages are pretty well finalized now. Windows are half blacked out. Centaur should be complete in about 4 days. Being painted at South 40. Then units have to be mounted back on it. We have to write a work order for hanging the Centaur. Some electrical equipment is ordered. This stop is in the worst trouble of any stop. We need some answers for lighting and shadow boxes.

Stop 5 - EPL - Everything is coming along. The model is hung and the tanks are painted. Waiting for electrical fixtures.

Stop 6 - ERB Center Section - Painters should be finished today and the back stops have to be put up. Tool crib will start to be covered this week. Sky lights will be covered shortly. Ready for exhaust fan. Lighting is a problem.

Stop 7 - MPL - Need 2 hydraulic jacks. They were due in on August 7, and have not been delivered yet. Need 220 circuit breakers and sound gear.

Stop 8 - ERB West Wing - Audio is available right away. Lighting is a problem.

Stop 9 - Ad Bldg. Aud. - Projectors will not be available for rehearsal, but will be here on September 13. For rehearsal, we will have other projectors available from around the Lab. We will get chairs from the Ad Building. Final cleanup is going on in there now. Carpet will be going in this weekend. We will order rubber cord protectors for under the carpet. By August 20, we are supposed to have a complete layout. Check on lighting requirements as to whether they need lights on during the talk or should they be shut off. The entire Ad Building will be ready by September 1. Check on materials for Ad Building. They are supposed to be here today but they are not in.

Stop 10 - Hangar - Have not started anything yet as far as setting up equipment. Painting is pretty well done. Today they are seal coating the floor (1/2 today and 1/2 Thursday). Then displays can be set up. Cords for displays have to be installed. We ordered 11 signs that will be suspended over each display. We need a work order to hang these signs. Check with Modarelli on 2 theaters for Hangar. There will be a lot of last minute things for this stop that cannot be avoided. Check on lighting also.

We have from August 14 - 31 to get things done before the rehearsal starts on September 4. We might have to use some Saturday time. We have to get the show done on time. Push and get it done. Any problems, call Don Thoennes or Dan Prok. Let Don know if any changes have to be made.

On Thursday, August 16, at 1:30 P.M., there will be a meeting with Ed Richley in room 225, Ad Building. All Building Managers should attend.

The meeting was adjourned at 1:55 P.M.

Donald L. Thoennes

7221/DLThoennes:pk:8/15/73

2



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION LEWIS RESEARCH CENTER CLEVELAND, OHIO 44135

REPLY TO ATTN OF: 7212

May 21, 1973

MEMORANDUM

TO: Technical Service On-Site Committee

FROM: 7212/Head, Engine Research & Space Power Service Section B

SUBJECT: September Inspection Briefings

I have asked the coordinators at each inspection display area to brief the Technical Services On-Site Committee and the appropriate Building Manager as to the plans of each show site.

The schedule is as follows:

Tuesday3 PMWednesday1 PMThursday10 AMThursday2 PMFriday10 AMFriday1 PM

10x10 Shop Area PSL 3&4 Conference Room 8x6 Observation Room EPL Andy Balazi's Office ERB Room ERB Room 214 200 May 30 A an alternation

Please attend or send an alternate.

Donald L. Thoennes

7212/DLThoennes:pk:5/21/73

#### cc:

Technical Services Manager -Technical Services Coordination Office -Plant Services Division -Test Installations Division -Facilities Operations Division -Fabrication Division -Equipment and Supply Division -Electrical Consultant -Service Scheduling - Donald L. Thoennes Daniel S. Prok George L. Mahnke Donald L. Thoennes Grady S. Speer Frank L. Sejhar John C. Sikora John MacLean John DeLargy



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION LEWIS RESEARCH CENTER CLEVELAND, OHIO 44135

REPLY TO 1003 ATTN OF:

May 31, 1973

(Augs. File)

MEMORANDUM

TO: 1973 Lewis Inspection Stop Organizers

FROM: Vice Chairman, 1973 Lewis Inspection

SUBJECT: Draft of Text, Figures and Sketches

This memo is to remind those of you who have not yet submitted the first draft of your text, figures and/or sketches to the Inspection Team that it is due promptly. A number of drafts have been received and the Team is in the process of meeting with each Stop Organizer and reviewing their submittals.

At a briefing meeting with the Center Director this date, he requested that we submit to him by the first week in July, a booklet comprised of the revised drafts from each Stop. In order for us to comply with his request, it is imperative that we receive all first draft texts at once.

If any of you who have not submitted material are unable to meet with the above requirement please advise me at once.

E.a. Richley Edward A. Richley



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION LEWIS RESEARCH CENTER CLEVELAND, OHIO 44135

REPLY TO ATTN OF:

June 11, 1973

MEMORANDUM

1003

TO:1973 Lewis Inspection Stop OrganizersFROM:Vice Chairman, 1973 Lewis InspectionSUBJECT:Final Draft of Stop Presentation

This memo is to remind you that the final draft of the Stop Presentation (text, figures and sketches) incorporating suggestions that were made, is due on June 29, 1973. A booklet comprising these drafts will then be given to the Director for his comments.

Hopefully this will prevent any last minute changes.

Edward A. Righley

cc: All Stop Organizers 1973 Inspection Team

#### 1973 LEWIS INSPECTION MOTION PICTURES

STOP	FILM NO.	40. 40. 40. 40.
NO.	MPD	LOCATION
1 Quieting the Fleet	E 1376	10 x 10
2 Cleaner Skies	1377	PSL 3 & 4
3 Powered Lift	1378	9 x 15 Suit 1
4 Boost from Rockets	1379	Zero-G
5 Space Electronics Technology	1380	EPL
6 Energy for a Better Life	1381	ERB Center Section
7 Materials for Man	1382	MPL
8 etce is The Impact of Wear	1383	ERB West Wing
9 Servants in Space (NASA)	1384	Ad. Bldg. (Auditorium)

n. 4 9

A A

### STOP NUMBER 2 - "CLEANER SKIES"

LOCATION - PROPULSION SYSTEMS LABORATORY 3 & 4

STOP ORGANIZER - ROBERT E. JONES

STOP ASSOCIATE - H. CALVERT

BUILDING MANAGER - HOWARD WINE

TECHNICAL SERVICES - PAUL LAISURE

DOCUMENTARY FILM

SPEAKERS - JAMES S. FEAR RAYMOND S. COLLADAY EDWIN J. GRABER, JR. JAMES D. HOLDEMAN EDWARD J. MULARZ

#### . "CLEANER SKIES"

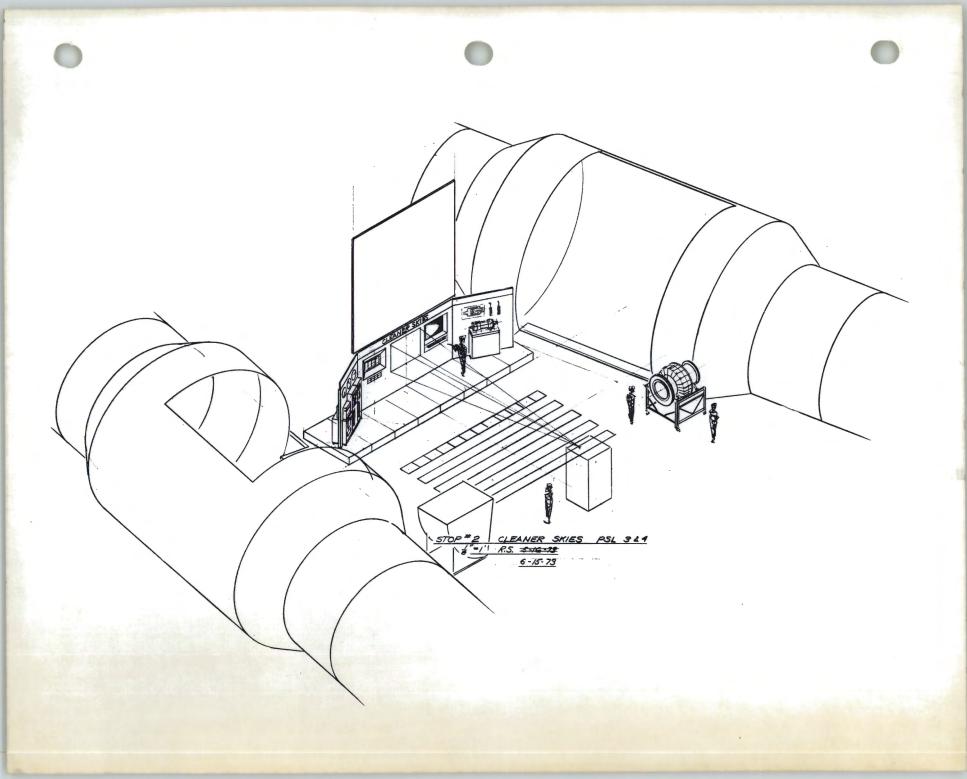
#### 1973 LEWIS INSPECTION ACTION SCHEDULE

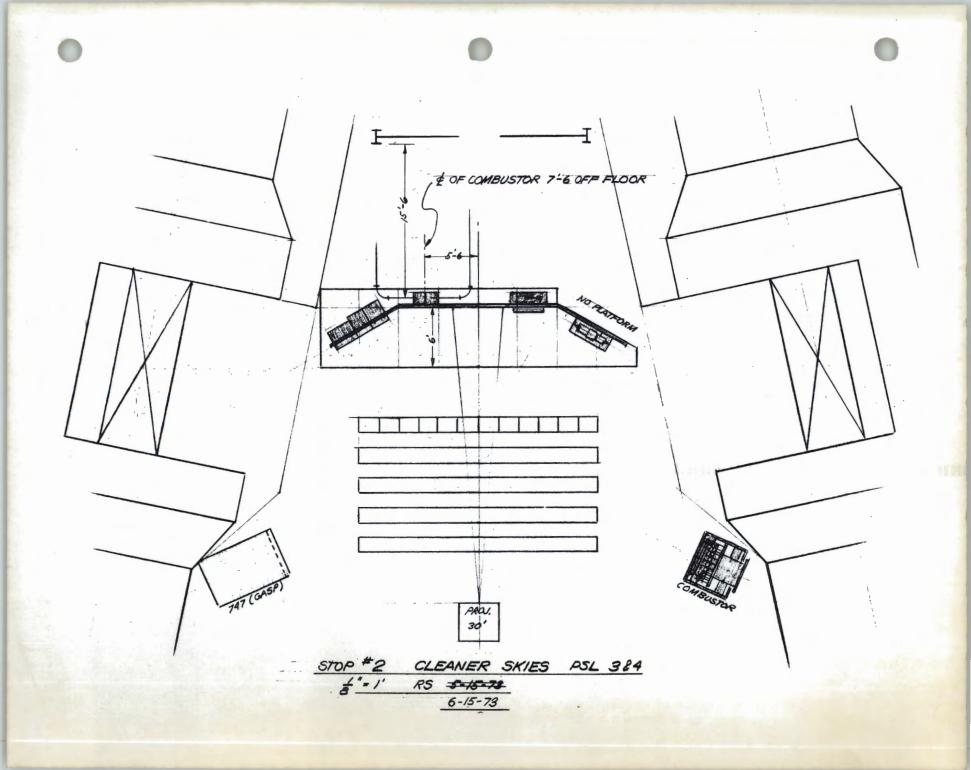
FUNCTIONAL AREA: TECHNICAL EXHIBIT STOP # 2

ITEM	RESPONSIBILITY	EST. M.H	S. COM- PLETE	HAR	APR	MAY	JUN	JUL	AUG	S
. RESPONSIBLE PERSONNEL ASSIGNMENTS				114	+++	++	+++-	1-1-1-	+++-	11
. STOP PLANNING				+++-		++++				1+
. STOP PLANNING 1. Presentation Outline				++++		+++-	+++-			H
a. Preparation begun	1		Contraction	TA	1++++	111	+++	1-1-1-	1+++	1-1-
b. Submitted for Division Review			And the particular	11		++++	+++			++
b. Submitted for Division Review	1		A AND A AND A A	TIT		++++	+++		IIII	11
d. Submitted for Inspection Hq. Review		1		TTT	IAI	TT	TIT	IIII	ITT	II
e. Approved by Inspection Ha.			A Statistics	TIT	TTA		111			
2. Display Sketches	1			TTT	IIII				1111	Π
a. Preparation begun		1	Britten.	A		1.11		111		
b. Submitted for Division Review					4111	111	111		1111	11
c. Approved by Division				111-		111	111	111	111-	1-1-
d. Submitted for Inspection Hg. Review				+++-	A	1111	+++			11
e. Approved by Inspection Hq.			Property Section of		1114				111	++
3. Presentation Text				+++	++-+-+					1
a. Preparation begun				+++		: ! ! !	+++		++++	++-
<ul> <li>b. Submitted for Division Review.</li> <li>c. Approved by Division</li> </ul>				+++-	1-19				++++	
d. Submitted for Division Review				+++			++++		Hir	+
e. Approved by Inspection Hg.				+++			A		titt	H-
4. Revised Display Sketches	1			+++-		1	-		HIT	H
a. Preparation begun		1	Martin China Martin	+++	ATTA	111	111	1111		11
b. Submitted for Division Review		1	A STREET WAYNE	TT	IIIIA		111-	ITT		T
c. Approved by Division				TT		A	111			IT
d. Submitted for Inspection Ha. Review			And Printing of the second	TIT		A	TIT		111	IT
e. Approved by Inspection Hg.		1		TTT	IIII	TTT				Π
I. PARTICIPANT (SPEAKERS, ETC.) ASSIGNMENT				TT				1110	DI	
				III	11.11	11.	111		T_LL	1
V. PRESENTATION VISUALS PREPARATION		-		111	1111	111	+11			11
1. Slides				111						1
a. Planned		1 ·	A	110			111			4-
b. Submitted for Division Review			· 相利· 相利·	111		111				1-
c. Approved by Division				+++						
d. Submitted for Inspection Ha. Review				+++-						11.
e. Approved by Inspection Ra.			AL MURITURING	+++-		+++-				
f. Ordered				+++		1111	-10		-	
g. Completed 2. Charts			++			+++-		-+-+-	-0-	++
a. Planned					1-1-1-1	+++-				-+-
b. Submitted for Division Review			C. C	+++	P+++-	1-1-1-1	+-+-+		++++-	
c. Approved by Division			Ar goldstand an Oracina and the we	+++-		A				++-
d. Submitted for Inspection Hg. Review	1	1	and the second	+++					+++	1
e. Approved by Inspection Hg.			No. Contraction	TIT	1111	TH	A		1-1-1-	11
· f. Ordered	a denote the second	1	C M S C C C C C C C C C C C C C C C C C	TH	TIT	TIT	TIA	1111	111	TT
g. Completed			ITT			ITT	TT		0	1
3. Models		-		III		1111			LITI	IT
a. Planned		-	Sind out	110	ALL	111	11		LLi	
b. Submitted for Division Review		2	Antikana (	111	LAL	111	+11			11
c. Approved by Division				11	114		+++-			11
d. Submitted for Inspection Hg. Review			And the second	111	+++4		111			11
e. Approved by Inspection Hg.			and the second	+++-	++++	411	+++-			
f. Ordered										++
<ol> <li>Gompleted</li> <li>Movies</li> </ol>				+	++++	++++			-0-	++
a; Planned				+++-		++++	+++		++++	-+-
b. Submitted for Division Review				TH-	++++	+++++	++++	+++-		++-
c. Approved by Division				itt	1111	111	TIT			1-1-
d. Submitted for Inspection Ha. Review				111		111		TTT	T	T-T-
e. Approved by Inspection Ng. f. Ordered				ITT	IIII	111	111	111		T
f. Ordered			IIII	III			TIT	TT		1
g. Completed						ITT	III			1
5. Other Displays				11.1		1111	111	_	111	1
a. Planned			and the second second	111	ALL	111				1
b. Submitted for Division Review				11	1111	411		+++		4
c. Approved by Division			a arealay W	+++		4				-+-
d. Submitted for Inspection Ha. Review			5-14-16	++++		+++4	+			
e. Approved by Inspection He.			they St.			++++	A	-+		
f. Ordered q. Completed			anticitation had			+++-				1
q. Completed				11.		++++	++++	+		
				+		1+++	++++	++++	+	
				+-+-+-		++++	++++	+++		-
			+++++	18		++++	++++	+++		1
ASA-C-74.0 (Rev. 7-71)				LT.L		in		Pare		1
Organizer: R. E. Jones (8184, 60- Associate: H. Calvert (8504, 60- Consultant: C. Hauser (8179, 5-9	-6)				11.					~
Associate: H. Calvert \\(8504.60-	6)				•		•		1	
10500 late. n. calvert //(0504, 60-										1
Consultant: C. Hauser \8179, 5-9	3)								7	4

#### 1973 LEWIS INSPECTION ACTION SCHEDULE

ITEM	RESPONSIBILITY	EST.	S COM- PLETE	HAR	APR	MAY	JUN	JUL	AUG
GENERAL AREA PREPARATION		M.H.		111	TIT	TIT	1111	1111	TTIT
1. Requirements Analysis (signs, cleanup, p	ainting)			+++				++++	++++
a. Begun	aincing/	1.		+++		IAI.	Hit	++++	++++
b. Completed		1		111	1111	III		TITT	TIT
2. Sign Preparation	1			TIL					
a. Begun				111				1111	++++
b. Completed				111				141	1-1-1-1
3. Painting		1		111	1111			1111	
a. Begun			Same and the state	111	1+++	4-4-		14	+++++
b. Completed		+		+++				++++	HA
4. Cleanup				+++				1-+++	++++
a. Begun b. Completed	1					+++++		1+++	1+++
v. completed		-		ttt		++++	+++++	1+++	1-1-1-1
SITE PREPARATION			Hiir	111	1111			HTT	1111
1. Exhibit Requirements Analysis Completed	* 2	1-	(New Joseph	ttt	TAT	1111		1111	1111
2. Preliminary Safety Review Completed		1		TH	ALL	HIT	TIT	1111	TIT
3. Stage and Seating				TIL				1111	1111
a. Plan (Detail Sketches)		-	AND DES	111					1111
<ol> <li>Preparation begun</li> <li>Submitted for Division Review</li> </ol>								1111	1111
(2) Submitted for Division Review	1	1.		111	LA		111	1111	1111
(3) Approved by Division				+++-			111	++++	++++
b. Design		+	11.11	+++-	++++	++++	++++	111	++-!-!
(1) Stage			Salling 1	+++	11114	A+++		++++	1+++
(2) Backdrop				++++	++++4	2+++	1111	111	
<ul> <li>(3) Static Displays</li> <li>(4) Submitted for Division Review</li> </ul>				+++		Pi II		1111	+++;
(5) Approved by Division				+++			H	1111	++++
(6) Submitted for Insp. Hq. Review.			122.77	ttt		AIT		ttit	1111
(7) Approved by Insp. Hg.	and and all all all all all all all all all al	1	A statements	-111	ITTT	IA		1111	TITI
. c. Fouinment Ordered (Projectors, Screen	5,	1	1111	111		111		ITTI	TITI
Special Lighting, Artwork, etc.)			And the Party Proto	111	1111	A		1111	1111
Special Lighting, Artwork, etc.) d. Construction/Installation				111	1111	1111	111	1111	111
(1) Stage				+++	111		1111	1111	1111
(a) Begun				+++	111	110	+++	++++	++++
(b) Completed		+		+++-	$\left  + + \right $	++++		14	++++
(2) Backdrop				+++				++++-	++++
(a) Begun (b) Completed			++++	+++	++++			HAT	+++++
(3) Static Displays		1		tit	ttti		HTT	1111	++++
(a) begun	les a charles des des des des des des des des des d			111	titt		ATT	ttt	TITT
(b) Completed		1		111			TTT	IAI	TITT
(4) P.A. Systems				111					1111
(a) Begun				111					INI
(b) Completed				111	1111			1111	LA
(5) Projection Systems		1.		111	1111	1111		1111	++
(a) Begun				+++	111-		++++	++++-	+Az
(o) Completed								++++	114
(6) Special Signs, etc.				+++	++++			+++++	+-+-+-
(b) Completed				+++			Att	1++++	141
e. All Operating Systems Tested		1		111	HIT	1111	TTT	1111	TIN
f. Final Safety Review Completed				111	Ittt		WIT	1-1-1-1	1-1-1-1
	And a start of the particular Contract of the start of th	1		111		TIT		TTT	1-1-1-1
DIVISION REHEARSAL				111					AL
				111		111	1111	1444	ITT
INSPECTION MANAGER'S REHEARSAL	+			111	111	111	111	1111	1-1-1-4
				+++	1-1-1-			1111	++++
				+++	1-1-1-				
		1	11111	++++	1-1-1-		+++++-	++-+-+-	1-1-1-1
<del>๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚๚</del>	and the second statement and the second statement of	1	titt	ttt	1111	1111	H	1++++	1111
		1		TH	1111-	1+++-		1-1-1-1-	111-
		1		III			III	1.111	IIII
		1.		111		IIII	ITT	IIII	1111
				111	1111		1111	1.11	1111
		1		11.	IIIT			1111	111:
-				111	111	111	111	111:	111
		-		when yo after	1111		444	1-1-1-	1.1.1
		1-		411	11.1.	1-1-11		1111	1111
				111	1-1-1-1	1.1.1.	1111	1.1.1	1111





1973 Inspection and Show Stop #2 "CLEANER SKIES"

Demonstrations during talk:

- 1. JT8D Engine Cutaway
- 2. Parts per million demonstration

3. Oxides of Nitrogen demonstration tube

- 4. Fuel nozzle--air assist demonstration
- 5. Mock-up of Global Air Sampling Instruments in 747
- 6. Advanced low emissions combustor technology
- 7. Full scale combustors
- 8. Combustor demonstration of low emissions technology
- 9. Emissions measuring instruments

Additional Static Displays

- 1. Air monitoring equipment and instruments (Fordyce)
- 2. Global Air sampling display of instruments, charts etc.

SUBJECT 1913 INSPECTION & SHOW BY REJONES DATE 5/24/73 SHEET NO. OF CHKD. BY ..... DATE JOB NO. STOP #2 PSL 3 EH COMBUSTOR EMISSIONS DEMONSTRATION SEE DETAIL Dwings as to piping, combustor installation, etc. LOCATION: LEFT Hand SIDE OF STAGE 72 above PSL FLOOP 1. Fuel: ASTM- A from Wiscins FARM. (JP-4 if easily available) 2. Air : SERVICE air approximate flow 3 thee at idle test and 7-9 #/sec at take-off test condition. 3. IDLE test conditions - ambient air temperature ~ 80°F Pressure = 30 psi Arr Flow ~ 3 #/sec DT ~ 750°F - Tour ~ 830 °F Fuel nozzle - primary fuel nozzle. Air Assist Air flow = . 03 #/see of service air injected through secondary fuel nozzle Air Assist pressure = 60 psi at fuel Nozzle. 4. TAKE - OFF test conditions - ambient air temperature \$ 80°F Pressure = 70 to 90 psi Air Flow = 7 to 9 #/sec AT = 1200 °F Tour = 1280°F f = ,015 Fuel Flow = . 135 16/sec Fuel NOZZIE - Secondary Water flow = . 15 16/000 @ ~ 100 psig 5. Test Sequence A. Establish Idle air flow and pressure B. Ignite Combustor C. Establish IDLE EMISSIONS D. Activate Air Assist IN SeconDARY Nozzla hold uptil emissions stabilize ~ 30 occ.

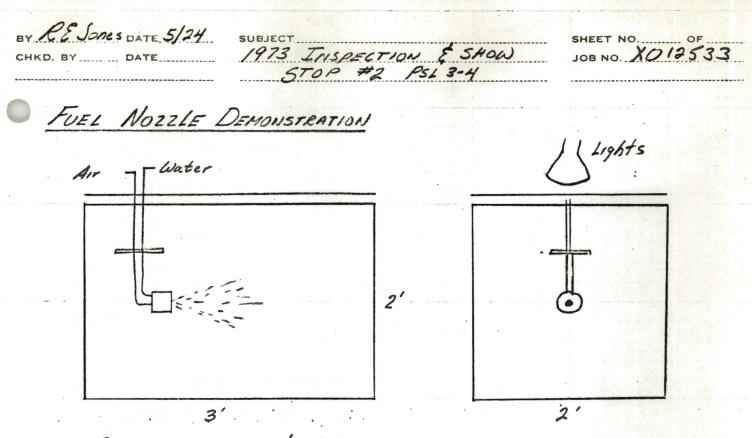
BYREY DATE SHEET NO. 2 OF Z SUBJECT. JOB NG. COMBUSTOR EMISSIONS DEMONSTRATION. 5. E. Air to secondary off - add feel to secondary raise air flow to TAKE-OFF Condition F. EstABLISH Emissions at simulated TAKE-OFF G. Activate Water injection - establish new emissions levels 5 30 mc. H. Fuel OFF - reduce air flow = 1 #loce purge = 30 an. I. AIR OFF. 6. GAS SAMPLing Instrument Console from SW-23 Steam traced sample line - apport 15-2." Zero + SPAN gas bottles from SW-23. Nitrogen purge from instruments into Combuster during ignition cycles, 7. DIAC INDICATORS O to ? in Apr mounted above INstrument Console. 8. FRONT PANEL INDICATOR COT-OUT 10" h x 24" W ) approximate. Coordinate WORDS on Panel with demonstration SAMPLE IDLE + Air Assist TAKE OFF + Water Inj. Speaker can either push bottoms to change modes . or signals from solenoids as various modes are activated,

ALLY UN CLEAPPRINT 1600 H

BY R. E. Jones DATE 6/5/73 SUBJECT 1913 INSPECTION & Show SHEET NO. ..... OF ..... CHKD. BY ..... DATE ..... JOB NO. STOP #2 PS1 3+4 -----NITEIC OXIDE DEMONSTRATION LOCATION : RIGHT - HAND SIDE OF STAGE Appnentus: ~ 5" Dinmeter plexiglass pipe valved in middle NO diluted with No Hir, N2 for purge Mounting: Mount tube horizontel about 4' above floor of stage all purge and fill lines pass through stage panels from rear - purge line exit from bldg with combustor exit pipe - Do Not put purge into Combustor exhaust Piping - Do not use common vent line from both halves of champer Suggested Piping Layport × NO + N2 × N2 Service Air (FILTERED) Test Procedure 1. With value open purge with air for ~ 1 min. 2. Close Valve - reduce air purge flow - begin No purge for Imin. 3. Stop all. purge

- 4. Approximately 15 seconds of NO gas flow.
- 5. NO gas flow off. delay of ~ I minute max before yalve opening.

6. Open valve - obtain reaction - after "3 min begin slow



1. Plexiglass box 2x2x3' with raised top ~ "h" to allow for escaping air . Mount air assisted fuel nozzle on box Center-line Paint ends, back and top - flat black 3. Leave 1 to 2" wide strip unpainted on top for illumination 4: 5. Provide 3 (?) floodlights to illuminate spray Pattern. 6. Provide water drain to bucket on floor. Provide city water at city water pressure through 7. a solenoid value and Hoke Value - "14" Copper tupe. 8. Provide service oir through a solenoid value and pressure regulating value to nozzle secondary - larger filling . ~ 1/4 tube, 9. Operation ; Water on to show poor spray pattern.

admit air to improve spray pattern -Water - air - lights OFF,

10. Maintainance: may require wiping of front window of box between shows and minor adjustment of water or air flows between shows. Top should slide off for access. STOP 2 R. JONES 8184

1) AIRCRAFT ENGINE EMISSIONS 40x60 CS 67563 2) OXIDATION OF NITROGEN CS 67564CS 67565 3) EMISSIONS REDUCTION AT IDLE 4) IDLE EMISSIONS REDUCTION BY AIR ASSIST CS 67500 ✓ 5) SMOKE REDUCTION CS 67567 6) AIRCRAFT SMOKE REDUCTION CS 67568 7) Emissions reduction at full power CS 67563 CS 67570 8) SWIRL-CAN CONCEPT 9) COMPARISON OF NO, NO<sub>2</sub> EMISSIONS CS 67571V 10) CLEAN COMBUSTOR PROGRAM CS 67572 11) GLOBAL AIR SAMPLING PROGRAM (CHART) CS 67573 12) GLOBAL AIR SAMPLING (747) CS 67574 13) GLOBAL AIR SAMPLING ROUTES (MAP) CS 67575



STOP NUMBER 3	1	"POWERED LIFT"
LOCATION	-	9 X 15 LOOP OF 8 X 6 SWT
STOP ORGANIZER	-	ROGER W. LUIDENS
STOP ASSOCIATE	.7	C. WINZIG
BUILDING MANAGER	-	B. KLUCHNIK
TECHNICAL SERVICES	- /	D. GOBLE

DOCUMENTARY FILM

SPEAKERS - JOHN M. ABBOTT GARY G. KELM DAVID A. SAGERSER DONALD C. URASEK RICHARD J. ROELKE EVERETT E. BAILEY

### "POWERED LIFT"

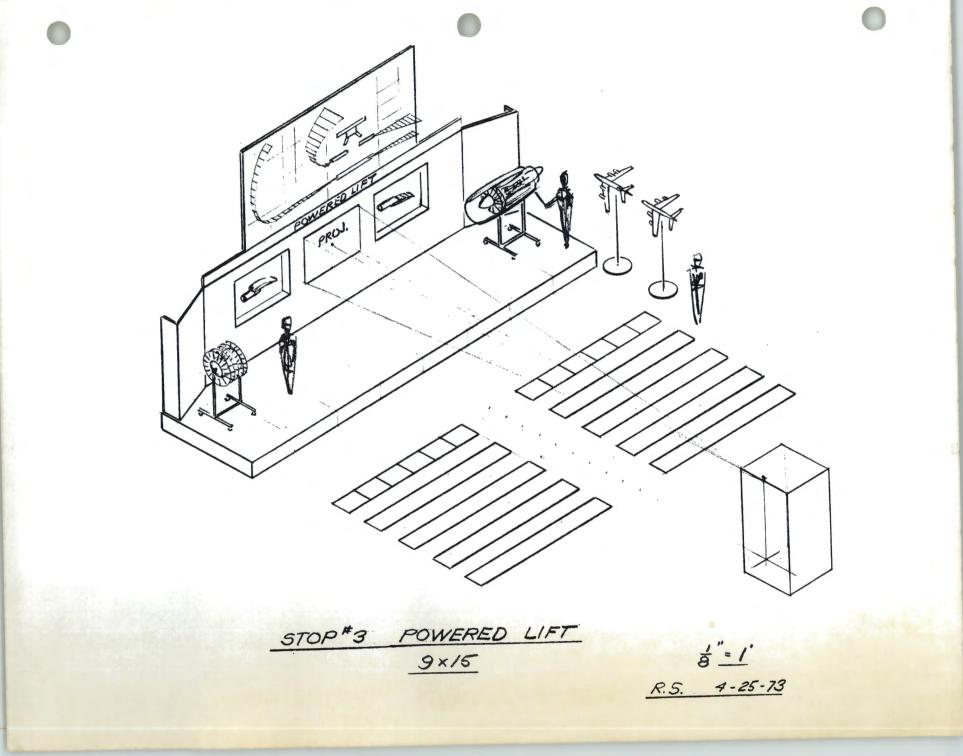
#### 1973 LEWIS INSPECTION ACTION SCHEDULE

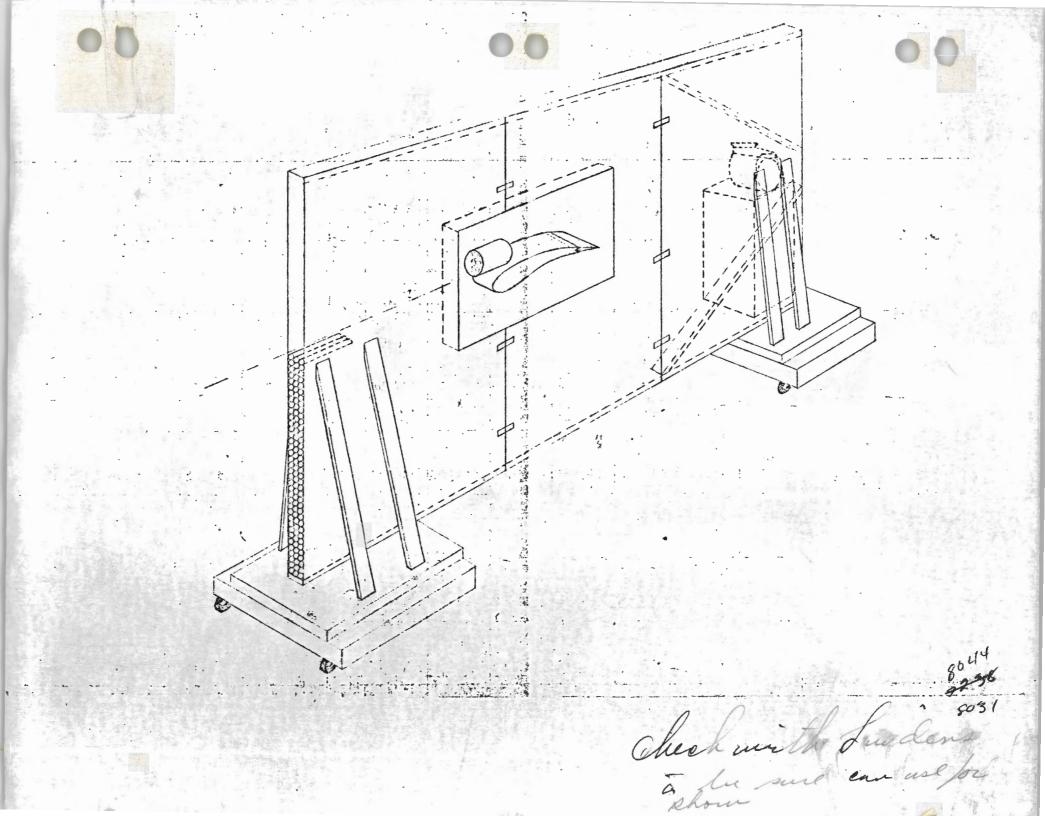
ITEN	1	RESPONSIBILITY	EST.	SE COM-	HAR	APR	MEY	AUN		AUG.	Isi
	IBLE PERSONNEL ASSIGNMENTS			Telephone	TIA	TTT	Till	111	111	TIT	tr
				1111	TT			TH	111	111	T
II. STOP PL					111	111	1-1-1-				11
and the first of the property of the party of the second se	sentation Outline					++++	++++-	+++-	-+++-		++-
a. b.	Preparation begun Submitted for Division Review				HA						++
<u> </u>	Approved by Division				ill	AL				1111	TT
d.	Submitted for Inspection Hq. Review				111	14			111		11
e.	Approved by Inspection Ha.				+++-	1111				1111	++
2. Dis a.	play Sketches Preparation begun			A Manual Andrew	TIA		++++	+++-		Hit	++-
d. b.	Submitted for Division Review			2.10	117		+++++			tit!	++
C.	Approved by Division			A. MARINE	TT				111	IIII	
d.	Submitted for Inspection Hq. Review	-				4		111		1111	11
	Approved by Inspection Hq.						4		++++	++++	++-
. <u>3.</u> Pre	Preparation begun			CREATE ALL CREAT	+++			++++	+++		1:
b.	Submitted for Division Review			the star	tti	IA	titt			++++	++-
c.	Approved by Division	1			III.		4		III	11:	11
d.	Submitted for Division Review			A Strategy of the	111			111		1411	
e. 4. Rev	Approved by Inspection Hg ised Display Sketches				+++-	+++	+	4		++++	++-
4. <u>Rev</u> a.	Preparation begun				+++					++++	17.
b.	Submitted for Division Review			( Lagrand	TT		AIT			ILL	T
Ç.	Approved by Division			1 1000	IT	111	4	+		1111	++-
d.	Submitted for Inspection Ha. Review			Service .	++++	144	A			++++-	++-
e. II. PARTICI	Approved by Inspection Hg. PANT (SPEAKERS, ETC.) ASSIGNMENT				+++-					Att	++-
					+++-		111.	111	+++*	TIT	tt
	ATION VISUALS PREPARATION				111	IIII		111			11
1. 511					111	111		+++-		++++	
a. b.	Planned Submitted for Division Review			20150.42	+++*		++++	++++	-+-+-	111+	++-
c.	Approved by Division								+++-	1+++	11
d.	Submitted for Inspection Ha: Review				ttt		1717		111	1111	TT
e.	Approved by Inspection Hq.						TTT	A	III		II
f.	Ordered			1111	III		III	110	111	111	1
	Completed				+++-	++++	++++-		+++	1-10-1-	++-
2, Cha a,	Planned			The Userstein	+++	4-1	1+++	++++		+-+-+-	11
b,	Submitted for Division Review	1		- Constanting	TT			T	III	TTT	Li
с,	Submitted for Division Review Approved by Division			an an Indian and a Turn of Stand	11-	111	AL		111	1111	11
d.	Submitted for Inspection Hq. Review			An is proved	+++-	++++	1+++4	4-1-1-1		+++++	++-
e. f.	Approved by Inspection Hq.				+++-	H	1111		+++	Titt	++-
q.	Completed			THIT		IIII	IIII	17	-ti-	1	tt
	e]s +++		-							LIL	II
Construction of the other data and the state of the state	Planned			and the second second	1-1-6	ALI	++++-		+++		++-
b.	Submitted for Division Review			Ref Hundride	+++	A		+++++		++++	ti
d.	Submitted for Inspection Hg. Review			4.1	+++-			+++		ttit	++-
е.	Approved by Inspection Ha.					ITT		TIT		111	II
f.	Ordered				111			111		+ the	++
	Completed ies			+++++	++	++++	+++-+			10	++-
	Planned			+++++	ttt		1-1-1-1-	111	++	++++	1-1-
b.	Submitted for Division Review						1111				1
and the state of t	Approved by Division			++++	111	111		111	11:	1111	11
d.	Submitted for Inspection Hq. Review			++++	+++-	111	1:11	++	111		++-
e: f.	Approved by Inspection Ng.			+++++	+++-	+++	1++++			+	++-
	Completed				1-1-1-			+	TT	ttit	1+
5. Oth	er Displays *				1-1-1-			TIT	111	LII	11
ä.	Planned				1-14	ALL	1111	++++		1-1-1-	+1_
b.	Submitted for Division Review Approved by Division				+++-		AL	++++	+++		
d.	Submitted for Inspection Ha. Review			L REAL	+++		1191		-+-+		++-
ę,	Approved by Inspection Ho.	·		Condition of the second	IIT	TT		A			IT
f.,	Ordered			and the second second	111		111	1.1.4	11	1.1.1.1	11-
g.	Completed			+++++	1.		++++	++++	+++4	114	1.1.
						++++	1-1-1-1-1	++++	+++++	++++-	+
	****			++++	+++-		+++++		+++		
				1111	18-		11111	1111	+++	1++++	ti
NASA-C-19.0 (H				- Andrew Andrew A	-	and and an other	·	-	Pogi	1 .1 2	PAR
Organiza	er: R. W. Luidens (8044, 50)	1-2)				· .	•		• •		
	e:. C. Winzig \ (7245, 5-	3)				ε.			1		
	e: C. Winzig (7245, 5-3) Int: C. Hauser (8179, 5-4)								1 ;	5	
-											

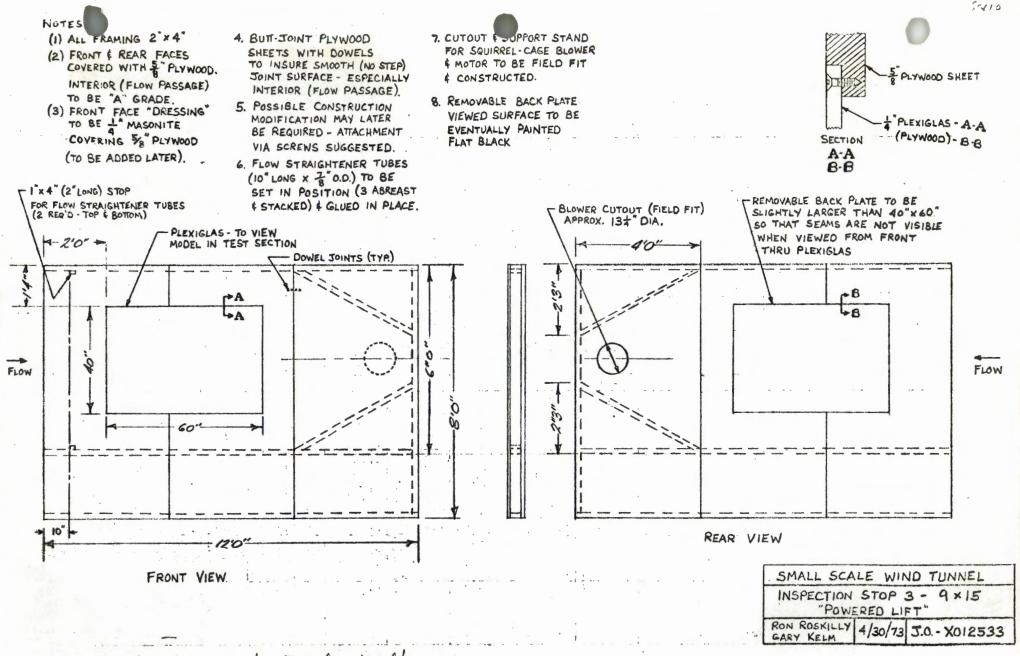
FUNCTIONAL AREA: TECHNICAL EXHIBIT STOP # 3

#### 1973 LEWIS INSPECTION ACTION SCHEDULE

11		RESPONSIBILITY	M.H.		ALETE		A	PR	M	AY	JU'		111	F	33	S
٧.	GENERAL AREA PREPARATION			TT	TT	TT	TT	TT	ITT	П	TT	TT	TTT	TT	II	TT
	1. Requirements Analysis (signs, cleanup, pa	inting)		11	TT	IT	TT	TT	TT		TT	T		TT	11	II
	a. Begun			EL L				TT			11	11		Π		11
	b. Completed				11	III		11	II	14	11				1	11
	2. Sign Preparation				11			11				11	11		11	11
	a. Begun			Anna			4	11	4		4-	11	111	++		11
	b. Completed			111	-+			11-				+	A	-+-+	-1-1-	++-
	3. Painting				1 1			11	11			4	111	-++	11	1:
	a. Begun			Burn a	-		-1-1	11	4-	4		11-	14	1-1	-+-+-	1:
	b. Completed				++			++	1-1-		++-	++	+++	-+-+	41	4
anti-state to state the state of the	4. Cleanup				canada a	1-1-1-1		11	4		++-	11.	144	-+-+	-++	11
	a. Begun						++	++	44	A -		+	+-+-		11	Hi
	b. Completed				-1-1-	111		++-	-1-	4.			+++	-1-1	41	11.
UT C	TTE DECOMPATION			111	11			41	1		11	++-	11	1!	11	14
VI. 5	ITE PREPARATION				11	1++		1+			++-	11-	+++	++		++
1	. Exhibit Requirements Analysis Completed							A	4		11	+	+++			
	Preliminary Safety Review Completed Stage and Seating			Participant -	Sime a		-++	14	4		++-	++-	+-+-1		-+-+-	11
3	. Stage and Seating		-	-	California		++	11	1			++-	+-+-+	-+-+	-+-+-	++-
	a. Plan (Detail Sketches)				Li-			1+		-+-		++	+++	++		11
	<ol> <li>Preparation begun</li> <li>Submitted for Division Review</li> </ol>						-1-1	4-	++-			++	+++		++	++
	12 SUDGITLED FOR UIVISION REVIEW				の言語		++	4			-+-+	++-	+++	++	++	+-
	(3) Approved by Division			and the		9-+		++		+	-+-+-	++	+++	++	++	++
	b. Design			-	11	+++-	-++	++-	+	+	++	++-	+++	-+-+		++
	(1) Stage						-++				-+	++-		-++	++	++
	<ul> <li>(2) Backdrop</li> <li>(3) Static Displays</li> <li>(4) Submitted for Division Review</li> <li>(5) Approved by Division</li> </ul>						-++	114	AL		++-	++-	+++			++
	(3) Static Displays				144	1-1-	++	++4	A			1	111	++	++	++
and the state of the	<ul> <li>(4) Submitted for Division Review</li> <li>(5) Approved by Division</li> </ul>						++	++4	A				+++	++		1-
and the second second	<ul> <li>(5) Approved by Division</li> <li>(6) Submitted for Insp. Hq. Review</li> </ul>			·	111		-++-	+++			++-	++-	+++	++	11	++
	(7) Approved by Insp. Hq.				1.17			++-	A			++	+++	1+	-1-1-	1.
	(7) Approved by Insp. hq.				-		-++-	++-	14	1.	++-	++-	+++	+		1-
	c. Equipment Ordered (Projectors, Screens Special Lighting, Artwork, etc.)	2			11	1-1-1-	-++	++-			++-	++-	+++			+-
Cod departure departu	d. Construction/Installation		-					++	1		++-	++-	+++	++	11	11
	d. Construction/Installation							11				++-		++		+-
	(1) Stage			111	++			1-				++-	+++	++		
	(a) Begun				-+	-+-+-		++-		A	-+-+-	++-		++	++	1-
	(b) Completed			++	++	+++-		++-			-+-+-	++-	4	++	++-	+
	(2) Backdrop (a) Begun				++-		++	++-	++-		A	++-	+++	-+		+
and the state of the				++	++	+++	-+-+-	++-			41		-+	-+-+	-+-+-	1-+-
-	(b) Completed (3) Static Displays			++	++		++	+		-+-	+++	+++	4	++	+	1-+-
-	(a) Bedun				++-		++	++-					+++	-+-+		++
	(b) Completed				++		-+-+-	++-		++	+++	++-	A	++	+++-	++-
atringin (Indianation)ing	(4) P.A. Systems						-++	++		++			4	tt		ti
	(a) Beoun				++			++-			+++	++-	HT	++	NT-	++-
					-+-+-	1-+-+-		++-		++	++	+++	+++	++	IN	++-
	(b) Completed (5) Projection Systems			++		1++-	++	++-		++		+++	+++	++	-17-	1
	(5) Projection Systems (a) Begun			++	++		-++	++-					+++	-++;		1
					++		-+-+	++-		-+-	+++	++-	++++	+.	TA-	+
	(c) Completed (6) Special Signs, etc.			+++	++			++-				+++	+++	++	17-	ti
-	(a) Eegun				++-			++-		-+-+	11	+-+-	+-+-+	-+-+-		1
	(b) Completed					1-+-+		++-		1				-1-1	1	
POPE (united and definition					++	1		+				-+-			14	
	e. All Operating Systems Tested f. Einal Safety Review Completed				-+		-++	++-			1	+	++++		17-	1-
	L. FINAL Safery Review Completed				++			++-				+-+	+++	-+-+	++	H
11. [	DIVISION REHEARSAL			1++	++	1++		+	++-		++-		+++	11	dist-	+-
Alma					++:			++-	+++		11	++-		-1-1	Q-	++
/111.	INSPECTION MANAGER'S REHEARSAL			+++	-1+	1++		++		-		1-1-1	1-1-1	-++		TA
and the land	Contraction of the second s		1	H	11	11	11	TT	1		11	11-	114	-1-1-	++	T
enertiget un entite mit der		-		111	11-	11-		11	1			TT	itt	-1-1	TT	tt
		Construction of the second	1	111	11	TTT	TT	11	1	T		1-1-	111	17	TT	TT
and the second			1	111	TT	111		11	1	-	-1-1-1	tt	TTT	11	1-1-	tt
				111	11	ITT	11	TT	T	TI	11-	TT	ITT	11	11	TT
				IT	Ti	ITT		11			11-	11-	TT	11	11	11
					11	111	II			11	TT	T	ITT	11	11	TT
				ITT	11	111	T	IT		T	TT	TT	TT	11	TT	TI
					TT	TT	TT	TT			1-1-	1-1-1	111	11	11	1-1-
and the set of the set		N		TH	TT	111	TT	11-	111		TT	1-1-	177	TT	11	11
a and a second secon				TT	11	1	11	TT	11			1-	TTT	TT	11-	11
	4 9			rri	-1-1-	11	11	11	11		+++	11-	it t			11
				1-1-1	-	117	-1-1-	1-			-	t-t-	1-1	-1-1		1 1
Contraction of the local division of the loc			-	111	11	m	11				tt	11		11		1 -
						4 5 5		1.1							1 1	1.1
				TT	TT	11.1		1-1-	111	1	111	11	1.1.1	11	11	11







How already issued a w.o to Frank Neulita

.

STOP	NUMBER	4	-	"BIG	BOOST	FROM	ROCKETS'

LOCATION - ZERO GRAVITY FACILITY

STOP ORGANIZER

- HOWARD DOUGLASS

STOP ASSOCIATES

- ROBERT KOHL, JOHN KRAMER

BUILDING MANAGER - B. KLUCHNIK

TECHNICAL SERVICES - ROY CIMBER

DOCUMENTARY FILM

SPEAKERS - TEAM 1: JOHN J. NIEBERDING RODNEY M. KNIGHT RAYMOND F. LACOVIC

TEAM 3: GARY D. SAGERMAN

IRVING E. SUMNER THOM A. CONEY TEAM 2: ROGER S. PALMER DALE E. POPE ROBERT G. ROHAL

TEAM 4: MURRAY M. BAILEY WAYNE A. THOMAS NEAL F. WINGENFELD

#### "BIG BOOST FROM ROCKETS"

#### 1973 LEWIS INSPECTION ACTION SCHEDULE

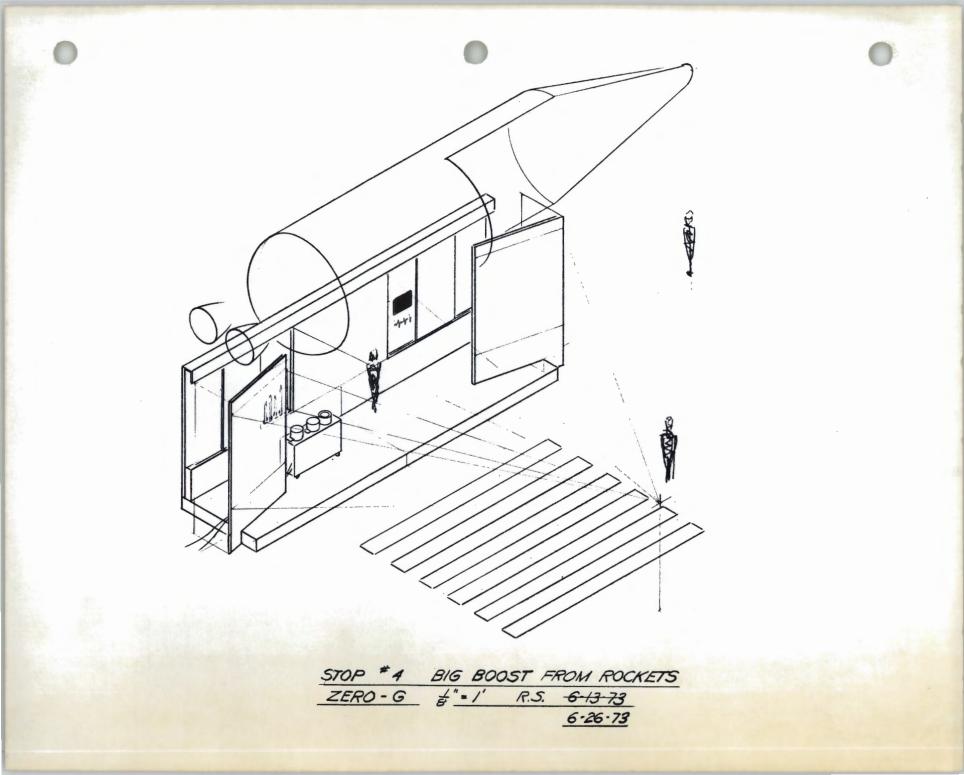
FUNCTIONAL AREA: TECHNICAL EXHIBIT STOP # 4

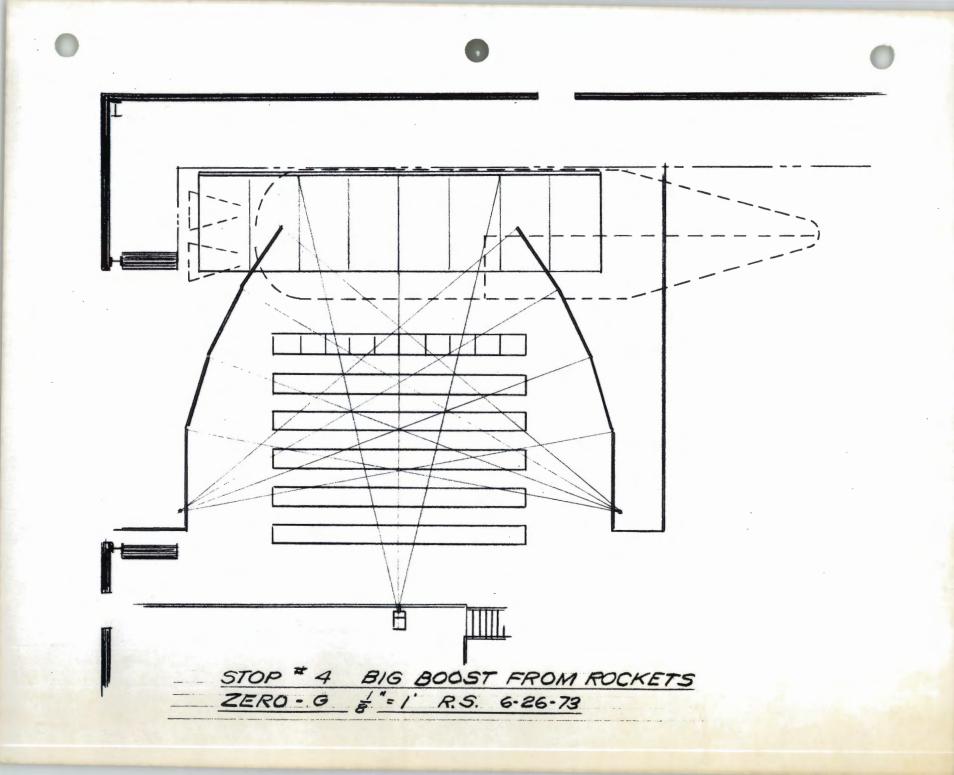
	STEM	RESPONSIBILITY	EST.	SI COM- PLETE	MAR	APR	MAY	RUL	JUL AUG	St
Ι.	RESPONSIBLE PERSONNEL ASSIGNMENTS		1	Telline and a second	IA	TTT	TIT	TIII		TIT
All and a second se					TIT		1111	1111		11
Π.	STOP PLANHING				+++	111				111
	1. Presentation Outline	1				++++	1111	1111		
	a. Preparation begun						1111	++++	┠┨╊┠┨╄╋	
	b. Submitted for Division Review			Mar II.	++++		++++	++++-		+++
	d. Submitted for Inspection Hq. Review			5. 19		TAT				11
	e. Approved by Inspection Hg.				+++			++++-		
	2. Display Sketches			1 1 1 1	tti		Titt	TIT		
	a. Preparation begun			1	TA	1111	1111	titt		
	<ul> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> </ul>			.C. T .	111	4111				
	c. Approved by Division				ill			111		
	d. Submitted for Inspection Hq. Review				111	LA	111	1111		
	e. Approved by Inspection Hq.	-			11-	1111	4	1111		
•	3. Presentation Text	-				++++	++++	++++		
	a. Preparation begun				+++-		1:11	++++	┠╀╋┿╋╋	
	<ul> <li>Submitted for Division Review</li> <li>Approved by Division</li> </ul>			(Dialactic)	+++-	1119	1+++	++++		
	d. Submitted for Division Review			and second s	+++	++++	TAT	++++		
And-Construction	e. Approved by Inspection Hq.	1			+++		TIT	TAT		Hid
	4. Revised Display Sketches	1			++++		1111	TITI		
	a. Preparation begun			1 generation	TIT					
	b. Submitted for Division Review			I Same	III		ALI			
	c. Approved by Division				III		AL	111		
	d. Submitted for Inspection Ha. Review			The second	+++	1111	IAL			
* * *	e. Approved by Inspection Ha.				+++-	11.1.1	++++	LA.		
<u>111.</u>	PARTICIPANT (SPEAKERS, ETC.) ASSIGNMENT				11-		++++			
TU	PRESENTATION VISUALS PREPARATION			++++	+++	++++	1+++	++++-		
IV.	1. Slides					++++	++++	++++		
and the second second	a. Planned				4.44	++++	++++	++++-		
-	b. Submitted for Division Review			Part in	+++		++++	++++-	┝╁╍╆╌╄╍╄╍╄╍┥╍	
	c. Approved by Division				+++	1-1-1-1		++++		
	d. Submitted for Inspection Ha. Review	1			+++					
	e. Approved by Inspection Hq.			to a series	++++		++++	TAT		
	f. Ordered			11111	+++		1+++	TTA		Hit
and the second	g. Completed			1111	TIT	TIT	1111	1111	1110	111.
	2. Charts				III-				TIT	
-	a. Planned			San Low	11					
an gingingingingingingin	b. Submitted for Division Review						411-			
می کو وارو اور اور اور اور اور اور اور اور ا	c. Approved by Division		-		+++		AL		+++++++++++++++++++++++++++++++++++++++	
	d. Submitted for Inspection Hg. Review				.+++-	<b> -+- -</b>	1-1-1-1	A		
and and a state of the	e. Approved by Inspection Hg. f. Ordered					┠┿╃╇	++++			
-lage out of the	g. Completed			╶┿┿┿┽┨		┠╌┠╌┾╌┾	┦┼┾┾	44	HITA	
	3. Models			++++	-+++-	++++	++++		+++++++++++++++++++++++++++++++++++++++	
*****	a. Planned				+++		1+++			
	b. Submitted for Division Review		3			A				
	c. Approved by Division				TIT		1111			
	d. Submitted for Inspection Hg. Review				111					
-	e. Approved by Inspection Hg.				TIT	ITT	A			
	f. Ordered			Sector 1			LAL			
	g. Completed						144-		11102	
	4. Movies			-+	++-+-	++++	++++			
	a: Planned b. Submitted for Division Review			++++		┟┼┼┼┤╴	++++-	++++		-+++
	c. Approved by Division			+++++			1+++	++++		11:
	d. Submitted for Inspection Ha. Review			++++	+++-		titt	+++++		
	e. Approved by Inspection Ho.				tt		11++-			-
	f, Ordered						1111			111
	q. Completed				III			LIT		111
	5. Other Displays				111			111		
ter sand-familie	a. Planned				111	ALL	111			111
Berlandpool - ( - ) of	b. Submitted for Division Review			And Party	111	111	ALL			11
Sector Street and a spectrum	c. Approved by Division			a production and	+++-		14-			-+++
	d. Submitted for Inspection Rg. Review e. Approved by Inspection Hg.		$\overline{}$	<b>时时间</b>	++++					
	f. Ordered		-	the second second	++++	++++	++++	A		+++
inter ortette un	g. Completed			IIII	111		1+++-		+++++++++	+++
	and a second second with the first second			+++++		ttt	++++-	++++	11911	
Office and a state					111	111			++++++	11
•				++++	1-1-1		1111-	1111	111111	1-1-1
		_		THE	181		1111	111	1111111	111
	A-C-19.0 (leve, 2-11)			- desident of the day	and the second	and and a strength	and all all a		Page   of	2 pege
Or	ganizer: H. Douglass (8121, 500 sociate: R. Kohl (8122, 500 J. Kramer (8205, 500	)-205)				11	<b>,</b>		. +	
	sociate: R. Kohl \ (8122, 500	0051				• •				
13	(\$122, 500	-205)					•			
	J. Kramer (8205, 500	1-1031						*		. 1

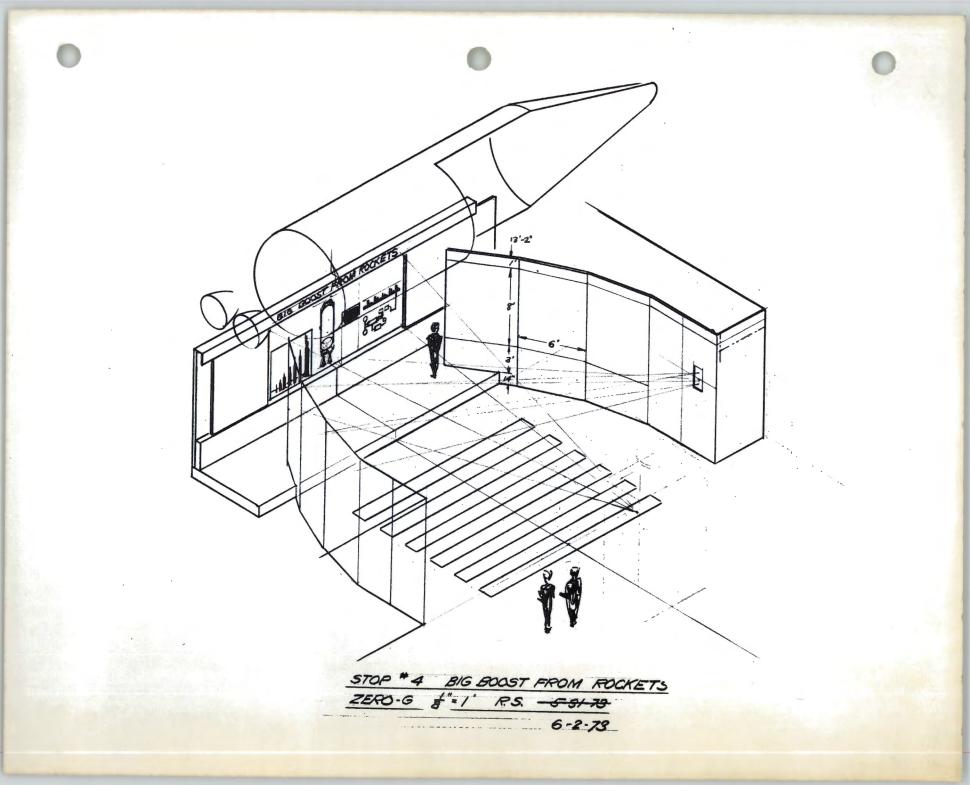
### 1973 LEWIS INSPECTION

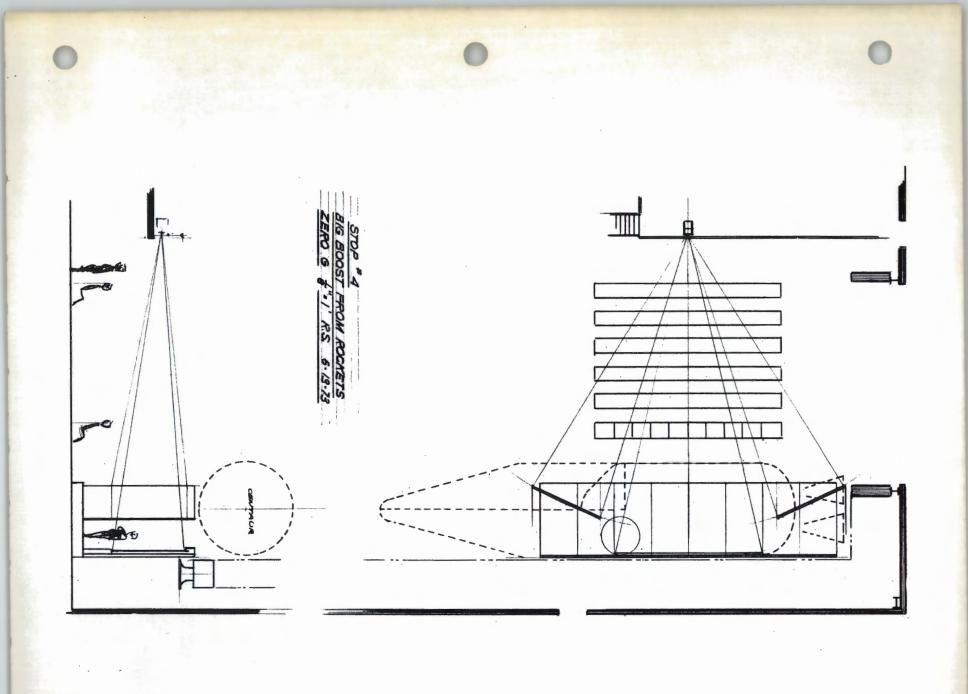
ITEM	ESPONSIBILITY		S. COM		11.AR	AP		AY	JU			410	SE
V. GENERAL AREA PREPARATION		м.н.		1.10	TIT	111			TT	TTT		TTT	130
1. Requirements Analysis (signs, cleanup, pair	nting)			1	+++			++			+	1-1-1	
a. Segun	II Q LII Q I		-	To Martin	111				TT	1-1-1-	I		11
b, Completed.				LL	TI	III	III	114	11				11
2. Sign Preparation					+++	+++		1-1-1	-+		4		-++-
a. Begun					+++	+++		4					++
b. Completed					++++	+++-		++		+ +4	2+-	++++	++
3. Painting a. Begun					111			1			A		11
a. Begun b. Completed			Mulana Spile	ALCH AL	+++		+++-	H			- 447.		-
4. Cleanup				++1	++++	1++		T	-++-		T		-
a. Eegun			This of	AND HAVE	TTI	TTT		41	T		1		-Li
b. Completed			11		LL	III		1				4	
			11	1	1		111		11		1:	111	1:1
SITE PREPARATION			11	-	+++		111	11					-++-
1. Exhibit Requirements Analysis Completed					+++								
2. Preliminary Safety Review Completed				milit	++++	+++	A	++-		+++-			-+
<ol> <li>Stage and Seating</li> <li>a. Plan (Detail Sketches)</li> </ol>			The state		+++	+++		++-	-+-+-	+			
(1) Proparation bogun					+++			1+		++++	1		-1-1
(1) Preparation begun (2) Submitted for Division Review		•	Allerat	9.5%	111			TT-			T		TT
(3) Approved by Division					TTI		A	T			I		1
b. Desian			11		TI	TT					1.	111	11
(1) Stage			A		+++	144	41	11			1		
(2) Backdrop (3) Static Displays				中心	+++	1++-	4	11					
<ul> <li>(3) Static Displays</li> <li>(4) Submitted for Division Review</li> </ul>			ala d			+++	4		+++				
(5) Approved by Division					+++	+++	17-	++-	+++-	+			
(6) Submitted for Insp. Hq. Review				1	tt	+++	TA				++-		
(7) Approved by Insp. Ha.				Alter Mine	111	+++	117			ttt	T		1
. c. Fauipment Ordered (Projectors, Screens).			11	11	TT	TTT		11	T		1		1
Special Lighting, Artwork, etc.) d. Construction/Installation			or Mara Ville	t Ber	111						1		li
d. Construction/Installation				1.1	111	+++	111	11		11+		111	11_
(1) Stage			++-	++-		+++		1	++	+++-	-+-		
(a) Begun (b) Completed			tt	+	+++	+++	Ht	H	++	+++	1		
(2) Backdrop			tt	H	+++	1+++		+		+++5			
(a) Begun			++	T	TT	111	ttt	TT	AT			111	11
(b) Completed			T	II	TT		TIT			ITZ	51		
(3) Static Displays							1-1-	11-			11		1
(a) Begun				+		+++		4	41	+++-			
(b) Completed			-++-			+++	+-+-+-	++	++-	4	14		-+
(4) P.A. Systems (a) Begun				++-		+++-				+++-	T		
(b) Completed			++-	+++	+++			11		+++-	+-	TIN	-++-
• (5) Projection Systems			tt		111	ttt	tt	tt	TT				-
(a) Begun			T	IT	11	IT	TTT	IT				LA.	11
(p) Completed			11	4							4	114	1:
. (6) Special Signs, etc.			-+-	1-1-1		+++		4		14-	1-1-		11
(a) tequin				+-+-	+++			4-	A.				
(b) Completed			++									KAI	
e. All Operating Systems Tested f. Final Safety Review Completed			-+	+-+-		-+++	+-+-+-		2-				
and a second and a second and a second s			++-	<u>†</u> †-			+-+-	++-	7				11
DIVISION REHEARSAL	and the second se		TT		TTI		TT	TT	TT	TIT	TT	1 (d)	
			11		11			Ц				ITYI	11
1. INSPECTION MANAGER'S REHEARSAL			11	11	Lil	11+	111	44				1-1-4	(2)
			++-				+	++-		+++-	++	++++	++-
				++-			+-+-	++		+-+-+-	++-		
			it	TT-I	+++	111	TH	11-	+++	111		1-1-1-1	TT
**************************************			TT	T	1-1-1	111		T			T		TT
				1		111	111	11		LL	T	1.1.1.1	11
			11	11	111	111		11		1-1-1	11		
			++	11.		+++		+-+-			1.	1.1.1.	
			+	++-		+++-	+++-	+		+++-			
			+	++-		+++	+++-		-+	+++			
								++	-+-+-	+++-	++		-+
		3.000	-	tt	-		+++			+++-	+-+-		
				11		1++		tt-	1++	11-	1-1-		
			11	11	++-	111	tit.	11-	11-	11-	11	111	1
			man des	4 4 4	1 . Au		S	de la		4 - 1 - An.	41.4.	B	in Be An

· J .











LOCATION - ELECTRIC PROPULSION LABORATORY

STOP ORGANIZER - EDWARD OTTO

STOP ASSOCIATE - EVERETT HURST

BUILDING MANAGER - D. THOENNES

TECHNICAL SERVICES - F. BALDIZZI

DOCUMENTARY FILM

SPEAKERS - DAVID L. WRIGHT BRUCE E. LEROY JAMES A. BURKHART KARL F. READER GERALD F. HEIN JAMES E. CAKE MICHAEL D. RICHARDSON ALBERT J. WEIGAND

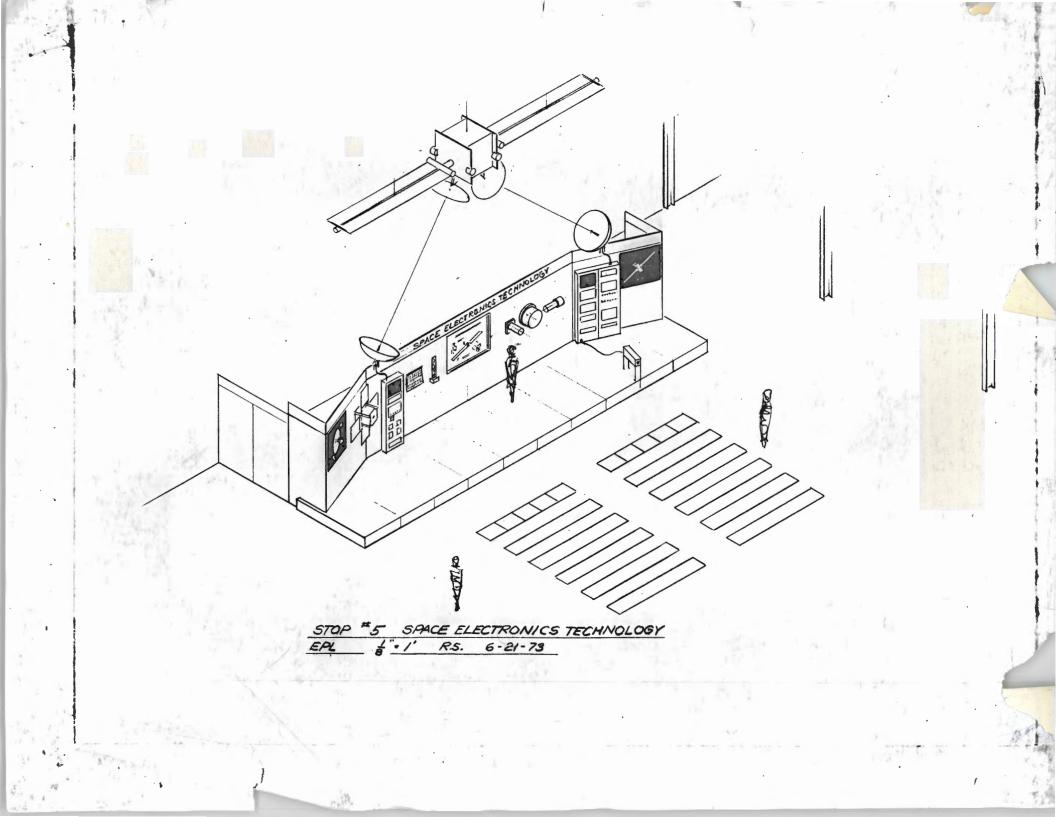
# 1973 LEWIS INSPECTION ACTION SCHEDULE

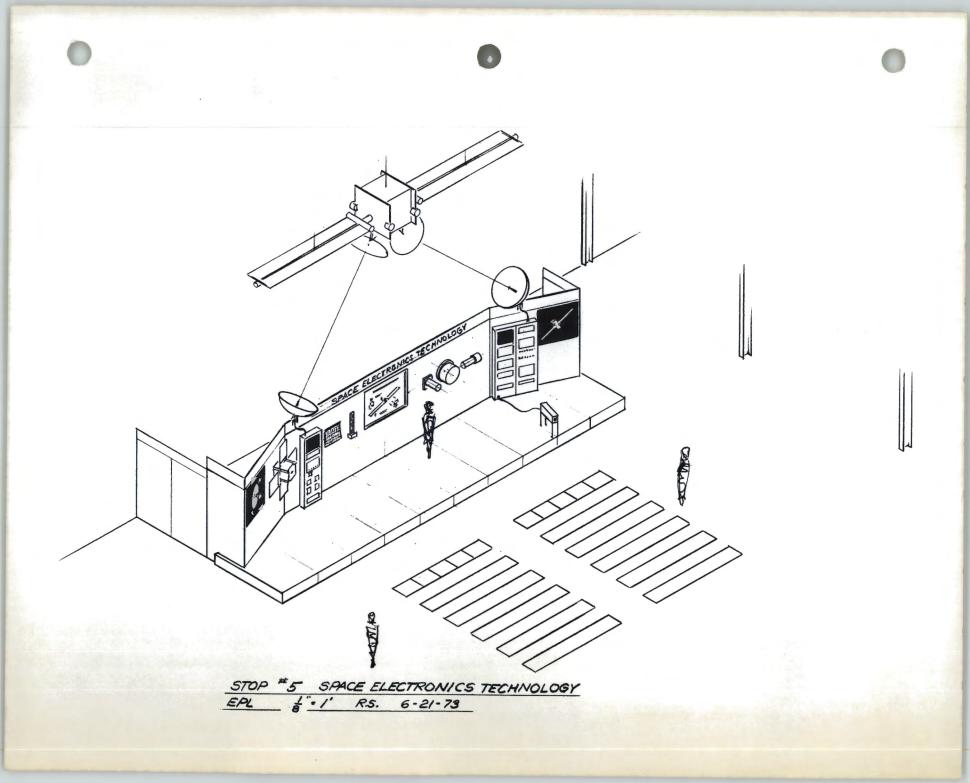
	ITEM	RESPONSIBILITY EST	S COM. PLETE	HAR APR HAY JUN		SEP
	RESPONSIBLE PERSONNEL ASSIGNMENTS	M.H.	fullation of the			111
	ACSPUNSIBLE FERSUINEL ASSIGNMENTS	and the first stated states of submatrices and the submatrix	1			11
П.	STOP PLANNING					III
	1. Presentation Outline					
	a, Prevaration begun b, Submitted for Division Review				+++++	Hi
	b. Submitted for Division Review					IT
	d. Submitted for Inspection Hq. Review					11
	e. Approved by Inspection Ha.					+++
	2. Display Sketches					┢╋╋
	a. Preparation begun b. Submitted for Division Review		- Parts -			HT
	c. Approved by Division					
	d. Submitted for Inspection Hq. Review					111
	e. Approved by Inspection Hq.			A		111
	3. Presentation Text a. Preparation begun					+++
******	<ul> <li>a. Preparation begun</li> <li>b. Submitted for Division Review</li> </ul>					Hi
	c. Approved by Division		A CONTRACTOR			11:
	d. Submitted for Division Review		and the second s			11
	e. Approved by Inspection Hg.					
and the second	4. Revised Display Sketches		Apple to the said of a			hit
	a. Preparation begun b. Submitted for Division Review		1.1			11
	c. Approved by Division				HILL	11
	d. Submitted for Inspection Ho. Review.				++++++++	+++
	e. Approved by Inspection Hg. PARTICIPANT (SPEAKERS, ETC.) ASSIGNMENT		Con a contrad		Hatt	H+
III.	PARTICIPANT ISPEANERS, ETC. T ASSIGNMENT					
IV.	PRESENTATION VISUALS PREPARATION					
	1. Slides		1111			
	a. Planned	_	- the state		┍┿┿┠┿┥╼┝╸	
	<ul> <li>Submitted for Division Review</li> <li>Approved by Division</li> </ul>		- Wal-String		┝┥┥╸┨╺┼╶┥╺╅╼╵	H
****	d. Submitted for Inspection Ha. Review					H
	d. Submitted for Inspection Ha. Review e. Approved by Inspection Ha.					III
	f. Ordered					11
	g. Completed			┟╌╁╌╄╌┨╌╢╌┦╌┥╌┥╌┥╌┥╶┥	+++++++++++++++++++++++++++++++++++++++	1+:
	2. Charts a. Planned					
	<ul> <li>a. Planned</li> <li>b. Submitted for Division Review</li> </ul>		englist portal			
	c. Approved by Division					III
	d. Submitted for Inspection Hg. Review	and states	and a compare			111
-	e. Approved by Inspection Hq.		- FREE BORNES	A	+++++++++++++++++++++++++++++++++++++++	+++
	<ul> <li>f. Ordered</li> <li>g. Completed</li> </ul>		++++++			H
	3. Models			<b>╶</b> ┊ <del>╶┊╺┊</del> ╺┨╺┾╍╅╶┽╸┨╺┊╺┽╸╋╺╉╸┥╸╡╸╡		TT
-	a. Planned		The second se			
	b. Submitted for Division Review		- Aller and			
	<ul> <li>c. Approved by Division</li> <li>d. Submitted for Inspection Hg. Review</li> </ul>		-			
	e. Approved by Inspection Hg.					
	f. Ordered					TT
	g. Completed		1111		110	111
	4. Movies a: Planned			╶┿╌╄╌╂╼╂╌╄╌┽╾╋╼╂╸╄╌┥╼┨╼		-++
	b. Submitted for Division Review		+++++	┝┰╤┫╼┨╼╉╼╉╌┨╼╉╌╣╼╬╌┨╼╋╼┨╼		+++
	c. Approved by Division		1111			ITT
	d. Submitted for Inspection Hg. Review					HT
	e. Approved by Inspection Hg.		+++++	╶┼╍┶┼╌┧╍┥┽┥╋┥╋╋╋╋╋╋╸┨╺╄╶┨╌┥	-++-+	++++
an an fair agus an an an Ann an A	f. Ordered g. Completed		+++++	<b>╶</b> <del>╶</del> ╶┨╶┨╶┨╶┨╶┨╶┨╶┨╶┨╶┨		
	5. Other Disulays	an a su dan na an a	THE			ITT
	a. Planned					111
	b. Submitted for Division Review					111
	<ul> <li>c. Approved by Division</li> <li>d. Submitted for Inspection Hg. Review</li> </ul>		A MARCE		-+	1++
	e. Approved by Inspection Hg. Review				THIT:	111
	f. Ordered		Antonionia	ATTA		
	g. Completed		++		1411	11i
					11 111	
			4++++	┥╌╄╍╋╍┠╍┠╌╂╶╉╌╋┥╋┥┫╸┠╌┰╌┨╴┫		
						tit
NAS	A-C-74.0 (Her. 7-71)	and a second	IIII)		Peer   of 2	PACTI
0	rganizer: E. Otto (6175, 54	1-1)			100	10
A	ssociate: E. Hurst (4110, 54	+-1)				
C	onsultants: E. Miller/Alexovich (8	8159, 54-5)			1	11

## 1973 LEWIS INSPECTION

ITEM	RESPONSIBILITY	EST.	S COM	TE	HAR	APR	MA	Y	JUN	JUL	AUG	SE
V. GENERAL AREA PREPARATION		m.n. p	TTI		TIT	TTT	111	TT	ITT	TIT	TTIT	TTI
1. Requirements Analysis (signs, cleanup, pa	inting)		11		111			11			111	III
a. Begun	-		<b>1</b>		111		14	11		++++	+++++	+++
b, Completed			+++	+	++++-		+++	14		++++		+++
2. Sign Preparation a. Begun					++++		+++	++;		++++		
b. Completed			III	1	tit			tt	TIT	TA	TTT	TT
3. Painting			11	1-1	1.11		111	TT	ITT	TTT	111	11
a. Begun				-	-+++-	144		++-	144	-++4	4	+++
b. Completed					++++	+++		+	+++	++++	1+++	
4. Cleanup a. Begun					+++							-
b. Completed			L				TI				4	
			T		11		lil	11			111	1:
SITE PREPARATION				2215	+++		-+++	++-	++++		++++	
1. Exhibit Requirements Analysis Completed 2. Preliminary Safety Review Completed					+++	A	+++	++			++++	
3. Stage and Seating			i	ALC A	+++		itt	tt		1111		11
a. Plan (Detail Sketches)					III		TI	TI		1111	1111	11
(1) Preparation begun (2) Submitted for Division Review					++++	4	-+++	++	+++		++++	++
(2) Submitted for Division Review					+++	1114		++	+++	-++++	++++	+-
(3) Approved by Division b. Design					+++			++	+++	++++	111	11
(1) Stage					TH	tit	AIT	TT	III	111	TH	11
(2) Backdron					1.11		AL	11			111	11
<ul> <li>(3) Static Displays</li> <li>(4) Submitted for Division Review</li> </ul>			2.34		+++	+++	4	+			++++	++-
<ul> <li>(4) Submitted for Division Review</li> <li>(5) Approved by Division</li> </ul>					+++		11	++	+++		++++	1-
(6) Submitted for Insp. Hg. Review					ttt		TAT	tt	+++	++++	1111	11
(7) Approved by Insp. Hq.			- Dalasta	ali sulli	1	TT	A	II	III	111:	1111	11
c. Equipment Ordered (Projectors, Screens	2		11		444	111		11	+++			
Special Lighting, Artwork, etc.) d. Construction/Installation			Ale Little House	HUHHH	+++	+++	A	++	+++	++++	++++	-++
(1) Stage			++-	0	+++			11-	1-1-1	++++	1111	11
(a) Beoun			11		III			4	III	111	111	11
(b) Completed			++-	4	+++		444	44	+++	14	++++	
(2) Backdrop			++-		. +++	+++-	+++	++	+			
(a) Begun (b) Completed			++	+	+++		-1-++	th	*++	TAT	++++	
(3) Static Displays			T		TI	11	TT	T	III	TIT	1111	
a bequin			++.	_		+++-	-+++	14	+++	++++	++++	
(b) Completed (4) P.A. Systems						+++	-+++	+-+-	++++			1:
(a) Beoun						++++			+++	++++	TWT	11
(b) Completed			11		TT	TT		T	TTT	TIT	IA	11
<ul> <li>(5) Projection Systems</li> </ul>								11	111			11
(a) Begun					++++	+++	+++	++	+++	++++	+A+	+:
(b) Completed (6) Special Signs, etc.		3	++-		++++		-+++	++	+++	1111	111	tt
(a) Begun					TT	tit		TZ	11	111	1111	1.
(b) Completed			11				11	TI	11	111	101	1:
e. All Operating Systems Tested			++-	1-1-1			-+++	+-+-	1-1-1		-1+A	1:
f. Final Safety Review Completed	a concern a district group and all of			++-				+F	1-1-1	++++		
. DIVISION REHEARSAL			tt			TTT		11	TT		14	
			1		11		11	1.1.	111			-11
1. INSPECTION MANAGER'S REHEARSAL					KI-	+++		++				12
			++			1++-		tt	111		Thi	11
			11	11	TT	111		TT	111		1.11	T
				11				+-1	111			
		-	++-	++-	+++			+-	1-1-1			
				TT	Itt			++	+++			T
		1		11				TI	TT			1
			11.	11	111	+++-			11		111	
a and add any second state state state and any second state date of these dates a state of the second second se				++		+++-		++	+			
								H	+-+-	+++		
		A States	-tete	tt.				1-1-1	+			-
	1	1	11	11		1.11		11	11			
	1	1	111	IT.		ITT	1111	11	111	TTTT		11

11





Dan -

We would like very much to obtain this camera full time as indicated for the following reasons:

- our Division is very busy with projects that have schedules such as CTS and SPHINX
- most of us who are directing this effort and most of the speakers have duties and commitments in connection with these projects
- in selecting speakers and other workers, we have not been able to avoid those with leave plans during this period entirely
- it has become apparent that it is going to be very difficult to schedule rehearsals around these commitments and leave plans
- having the camera continuously will make it possible to schedule rehearsals as needed to make a good presentation for Lundin on 9/5/73

EX. Atto

E. W. Otto

#### STOP NUMBER 6 - "CLEAN ENERGY"

LOCATION - CENTER SECTION, ENGINE RESEARCH BUILDING

STOP ORGANIZER - L. ROSENBLUM

STOP ASSOCIATE - FRANK STENGER

BUILDING MANAGER - N. RICCIARDI

DOCUMENTARY FILM

SPEAKERS -

GARY N. BENNINGER ROBERT W. EASTER JOHN G. EWASHINKA JOHN L. ANDERSON PAUL T. KERWIN GERALD V. BROWN EUNCTIONAL AREA: TECHNICAL EXHIBIT STOP # 6

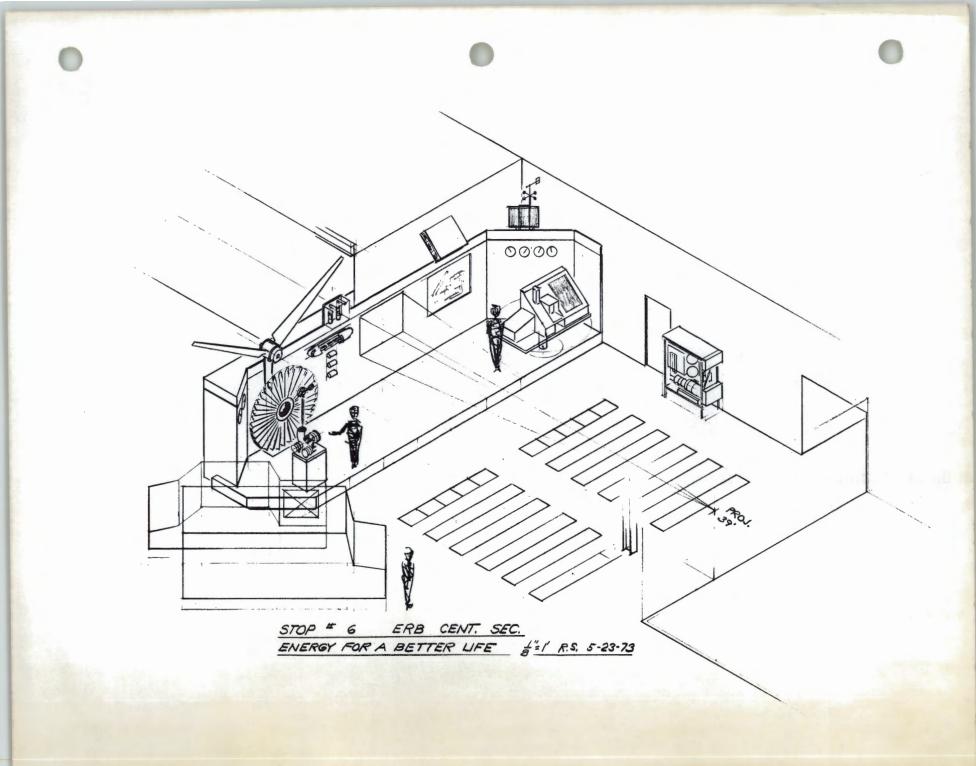
1973 LEWIS INSPECTION ACTION SCHEDULE

ITEN		RESPONSIBILITY	M.H.	PLETE	MAR	APR	MAY	JUN	JUL	AUS	SE
I. RESPONSIBL	PERSONNEL ASSIGNMENTS			(Million of		III	111	111	11-	111	III
THAT AT AND	000						111		+++	1.11	11
1. STOP PLANN	tation Gutline					++++	++	-+-+-+-	++		++-
						++++	+++-	-+-+-+	-+++-	++++	
a. Pri	eparation begun						+++-				+++
C. Ap	proved by Division Review			A CONTRACTOR		4	+++-		+++	1111	++
d. Su	mitted for Inspection Hq. Review			Martin Law		A			TH	titt	TT
e. Api	proved by Inspection Ha.				++++				+++-	Hit	111
2. Displa	Sketches			1111	TTT		111	TTT	111	1111	III
a. Pri	eparation begun	1		these		III			TII	ITT	
b. Su	mitted for Division Review								111	1111	
c. An	proved by Division						111	111	111		
d. Su	mitted for inspection Hq. Review					A	111		111	1111	111
	proved by Inspection Hq.					114			+++	111	++-
. 3. Presen	tation Text			1111			111		+++		11
a. Pr	eparation begun			1.7.1	++++	A	-++-		+++-	++++-	++-
b. Su	omitted for Division Review			100 C	+++-	A	+++-	┝╍┿╍╄╍┠	++		
c. Ap d. Su	cmitted for Division Review			and the set of the set	++++	+++9				++++	
e. Ap	proved by Inspection Hq.								++++		+++
	d Display Sketches		-				111		++++	1111	11
	eparation begun	1		million		TAT	+++		-+++	1111	111
b. Su	pmitted for Division Review		1	1.475	111		VIII		TH		III
C. Ar	proved by Division				TTT		A		III	IIII	111
d. Su	buitted for Inspection Ha. Review					111	A		III	1111	11
e. Ap	proved by Inspection Ma.			Marine.			III		111		
III. PARTICIPAN	I (SPEAKERS, ETC.) ASSIGNMENT								110	DIII	11
						1.	111			111	
	ON VISUALS PREPARATION					111	111				
1. Slides			-								
	anned			Tax qual			111		-+-+-+	++	++-+
	proved by Division Review			W. W. W. W. W. W. W. W.					+++-+	++++	+++
				Lines to a						++++-	
d. Su e. Ap	pmitted for Inspection Ha. Review	+		的行行						+++++	+++
					+++++	++++	+++-		+++-		+++
	mpleted	-					111			TAN	
2. Charts				-+					+++		Hi
	anned							+-+-+-		+++++	111
h. Su	witted for Division Review	The second s	1				1-1-1		111	t++++	1:1
C. AD	tmitted for Division Review			· · · · · · · · · · · · · · · · · · ·				TIT	111	1111	ITI
d. Su	bmitted for Inspection Hg. Review			and a strange		TIT	111		TIL	ITT	111
e. Ap	proved by Inspection Hq.	-		Amarile				A	111	TTT	11
• f. Or	dered			1 11		111	111		TI		11
	moleted				-	111	111		111	10	111
3. Models			-	Interior Contraction of the					+++-	1-1-1-	
	anned			Land Carrier				+++++	++++		++-
b. Su	bmitted for Division Review			and a start for the start of th	+++-	AL	+++	-+-+		+-+-+-	
d . Su	bmitted for Inspection Hg. Review			Contraction of the	++++				++-+-	++++++-	
e 20	proved by Inspection Hg.			a panda sarah	++++	+++9			++	++++	1-1-1
f. Or	dered			and the state of the second	++++	+++1	IAI		++++-	1TTT	111
	npleted			1111			T		111	TIM	tti
4. Movies				TIT			111		111	TTT	TT
ai Pi	anned		-								
b. Su	bmitted for Division Review								111	LIL	111
c. Ap	proved by Division						1	++++	11:	1111	1-1-1
d. Su	bmitted for Inspection Ha. Review						+++		111		1
ę. Ap	proved by Inspection Hq.			++++-			+++-	++++		+-+-+	1
	mpleted				++++-+	++++	+++	++++	Tit-	Him	1-1-1
5 Other	Disnlavs :					++++	111	1111	+		
a. PT	MIRIIGIS			Cla later dans	+++	TH	itt	TTT	+++++		111
b. Su	tmitted for Division Review			To beater and a set	1111	TH	ATT	TH	TIT	TTTT	111
c. Ap	proved by Division	1		And the state of t	TIT	1111	IA	IIII	TTT	111-	
d. Su	buitted for Inspection Hg. Review			A CONTRACT	TTT	111	ITT		ITT		ITI
e. An	proved by Inspection Hg.			All sales and a second	III	IIII	III	A	III		ITT
f. Or	dered				111	-I-I-I	III	AL			1
9. 60	mpleted				1 h ]	11	111	1111	1110	1114	11.1
					1.1.1.1			41.1.1	111	1+11.	1.1.1
						++++	11.	111	++	11.1.1	
				+++++		+	111	++++	+++		111
NASA ( . 14 18ev. 7	11.	1	_	PILL	ILI		111	II.	111	4114	11
									Pege	I of 2	bal.
Organizer:	L. Rosenblum (6278, 39 F. Stenger (2171, 30 s: C. Hauser (8179, 5-9);	2-1)				1.1				-	
Associates	E Stanger 1 Jan .						. 1	·		: 1	
hosociate:	r. stenger (21/1, 30	9-1)									
Concultant	s: C. Hauser (8179) 5-91.	L. Shure	(8)	388. 5	00-20	)1):	G. B	rown	(523	37, 3	<b>p1</b> .
LODSUITANT											

### "CLEAN ENERGY FOR A BETTER LIFE"

1973 LEWIS INSPECTION

ITEM	SPONSIBILITY EST.	S COM- PLETE	MAR	APR	T	AY	JUN	T	JUL	Ten-	T	s
V. GENERAL AREA PREPARATION	М.н.	TTTT	1 12:416	1 APR		hr I	JUN	th	TTT	TTT		
1. Requirements Analysis (signs, cleanup, pain	ting)			++++		+++	++	+-+-+		+++	++	-
a. Begun							T		III		T	1
b. Completed					-++-	14	11-	+++	-+	+++	++	-
2. Sign Preparation a. Begun						++-		++++	+++	+++	++	H
b. Completed				++++	-++-	H	1-	H	A	+++		H
3. Painting			111		TT	TT		П			1	1
a. Begun		E.	111			4	44-	111	4	++++	++	_
b. Completed		-+++			-+		++-	+++	+++	144	++	-
4. Cleanup a. Begun		The state of the					++-			+++	tt	-
b. Completed			1				tt	TT		114		
			III		1			Ш	T	111	11	-
SITE PREPARATION					4+		++-			+++	++	1
1. Exhibit Requirements Analysis Completed 2. Preliminary Safety Review Completed					++-	++		++++	+++	+++	++	-
3. Stage and Seating				111			++-	+++		1++	tt	1
a. Plan (Detail Sketches)		ALCON A					T	П	Π	III	T	-
(1) Preparation begun (2) Submitted for Division Review		A Development		4		11		+++	-++	+++	+1	-
(2) Submitted for Division Review		N See	+++	-+++4			-+-+-	+++	++	+++	++	-
(3) Approved by Division b. Design			+++			++-	-+-+-	+++	++-	+++	++	-
(1) Stage				111	A	tt	T	TH	TT	111	İ	
(2) Backdron			1.	III	AL	II	T	П	II	111	П	
(3) Static Displays (4) Submitted for Division Review		Sec.		-+++-	4		++-		44	+++	++	_
(5) Approved by Division				+++	A		++-	++++	++	+++	++	-
(6) Submitted for Insp. Hq. Review			TTT		A	11	++		++	111	it	i
(7) Approved by Insp. Hq.			1		11			П	1:	111	1	1
c. Equipment Ordered (Projectors, Screens,							-++-	+-+-	++	+++	++	8
Special Lighting, Artwork, etc.) d. Construction/Installation				+++			++-	+++	-+	+++	++	
(1) Stage						T			II	TT	T	
(a) Begun		1111								+++	++	
(b) Completed (2) Backdron		++++	+++		-+-+-		++-	+++	4	+++	++	
(a) Legun					++-	H	AT		++-	tit	TT	
(b) Completed					II		11	III	AL	111	1	1
(3) Static Displays					-++-		++-	+-+-+		+-+-+-	++	
(a) Begun (b) Completed		-+-+-			++-	++	4+	+++		++-+-	+++	-
(4) P.A. Systems		++++	111	++++			++-	+++		1-1-1-	T	
(a) Begun									11	IN	11	-
(b) Completed		++++			-+	++-				++	1-1	
(a) Becun		++++				++-			++	14	++	
(b). Completed			ITT	111	-+		11	111		172	11	1
(6) Special Signs, etc.								111	11.	1-1-1-	11	1
(b) Completed		╶┝╌┽╍┽╍┽╸				++	41					
e. All Operating Systems Tested							tt			TH	À.	
f Final Safety Review Completed			111	-1+1-					++-	1-1-1-	11	-
		111	111			II.	1		T		1.1	
DIVISION REHEARSAL		┝╋╋╋				+		+		1-10	4-4	-
1. INSPECTION MANAGER'S REHEARSAL		╺╇╶╊╍┫╶╂╴				H			++	1++		1
			1			1	11	III	П	111	TI	0
						11.		111		11	++	-
		+++++++++++++++++++++++++++++++++++++++					++-	+++			-+-+	-
******						11	++	†   †	TT	111	11	-
							11.		1	111	1	
		┝┼┼┾┼	1++-			++		+-+				-
			+++			+-+-		++		+++		
			1-1-1-		-++-	+-+	++	†††	tt	111		-
		111	111			TT				111	11	1
					1.	La for	11-	44	-			
		++++	-			1.	+	11		1.1.1	11	-
			11.1		IL	LL		11	1.41	111	11	1



### April 6, 1973

1010

TO: RD-M/Deputy Associate Administrator-Management FROM: 1010/Director of Technology Utilization and Public Affairs SUBJECT: 1973 Inspection at the Lewis Research Center REF: March 8 memorandum on 1973 Inspection at Lewis Research Center

Dates of Inspection 'Technology in the Service of Man'' revised to September 19, 20, 21 for approximately 500 guests per day and September 22 and 23 for larger numbers of local public.

Walter T. Olson cc: Inspection Office Files



STOP NUMBER 7 - "MATERIALS FOR MAN"

LOCATION

- MATERIALS PROCESSING LABORATORY

STOP ORGANIZER

- JOHN FRECHE

STOP ASSOCIATE -

- FLOYD GARRETT

BUILDING MANAGER - L. HERMAN

DOCUMENTARY FILM

- DANIEL PROK

SPEAKERS -

DAVID A. SPERA ERNEST ROBERTS, JR. HUGH R. GRAY PHILLIP L. STONE TITO T. SERAFINI WILLIAM A. GORDON

# 1973 LEWIS INSPECTION

"MATERIALS FOR MAN" 1973 LEWIS INSPECTI ACTION SCHEDULE

+

	ITEM I	RESPONSIBILITY	EST.	SECON- PLETE	ILAR	APR	MAY	JUN	JUL	AUG	SE
<u>I.</u>	RESPONSIBLE PERSONNEL ASSIGNMENTS				14		++-	+++	1-1-1-	++++-	111
11.	STOP PLANNING				+++-				++++	++++	++
***	1. Presentation Outline				+++		+++		+++++	1+++	ITT
	a. Preparation begun	1					TIT		TIT		
	b. Submitted for Division Review			the state	111						+++
	d. Submitted for Inspection Hg. Review				+++				++++	++++	1.1
	e. Approved by Inspection Ha.				+++				++++-		
	2. Display Sketches		~		111		Tilt	TIF	1111		ITT
	a. Preparation begun				4				III		
	b. Submitted for Division Review				114		III-		111	++++	111
	<ul> <li>Approved by Division</li> <li>d. Submitted for Inspection Hg. Review</li> </ul>				+++-		++++		++++	++++-	
	e. Approved by Inspection Hq.			All and Middle	tt:	119			1+++		
	3. Presentation Text			1111	I					1111	11
	a. Preparation begun				111	A.	11	III	111	111	4
	b. Submitted for Division Review				+++-	4		++++		++++	11:
	c. Approved by Division d. Submitted for Division Peview				+++-				++++		
	e. Approved by Inspection Mg.				111			A	++++		11
	4. Revised Display Sketches				III	III		ITT	11.	MIT	11:
Non-tum legion and	a. Preparation begun			(12 m)	111	14			1111	111	11
	b. Submitted for Division Review				+++-				++++	+	++
interesting and	<ul> <li>Approved by Division</li> <li>d. Submitted for Inspection Ha. Review</li> </ul>			A States	16			++++	++++		+++
	e. Approved by Inspection Ha.				T	titt					
III.	PARTICIPANT (SPEAKERS, ETC.) ASSIGNMENT				TT			111	110	DIT	
+1)	ANTZENTATION MICHAGE COPERANTYON						11.				
14.	PRESENTATION VISUALS PREPARATION				11-			+++-		+++-	
	a. Planned	+			+++						
na deservegiste e	b. Submitted for Division Review				+++*	AITA	ttt	HIT			1-1-1
	c. Approved by Division			and a start of the	III	III.	AL				
	d. Submitted for Inspection Ha. Review				11-				1111		111
	e. Approved by Inspection Na. f. Ordered				+-+-+-						
	g. Completed			TITI			111	ITT	1111	100	111
	2. Charts					1+++-			1111		IT
	a. Planned				114	ALL					11
	<ul> <li>b. Submitted for Division Review</li> <li>c. Approved by Division</li> </ul>			a an			44-	-+			+++
	d. Submitted for Inspection Hg. Review			a transferration	+++		-			+++-	
	e. Approved by Inspection Hg.			militar	+++	+++		A	1111	++++	111
	• f. Ordered			111	TIT		TT	ALL	1111		III
	n. Completed					++++			1111	LIQL	4
-	3. Models				+++-				++++		
	b. Submitted for Division Review				110	A			1-1-1-		
	c. Approved by Division				111				1111		TIT
	d. Submitted for Inspection Hg. Review					111					
	e. Approved by Inspection Hg.			A Santard	++		AL				
	f. Ordered g. Completed			Burger Stationer Stationer	+-+		-4-			10	++-
	4. Movies			+++++		+++					
	a; Planned				TIT				ITT		IT
	b. Submitted for Division Review				111			111	1111		
	<ul> <li>c. Approved by Division</li> <li>d. Submitted for Inspection Hq. Review</li> </ul>					+++-	111				
	d. Submitted for Inspection Hg. Review e. Approved by Inspection Hg.			++++	+++-				+++		+
	f. Ordered				111						TT
	q. Completed			IIII							11
	5. Other Displays				111			111			11
	a. Planned b. Submitted for Division Review			The second second	114	3					
	c. Approved by Division				ttil		A		++++-		
	d. Submitted for Inspection Ha. Review	a a Million Million and an annual fan Annual an annual an an			111	111	TIT				TT
	e. Approved by Inspection He.			and surged	111	111		A		111	II
-	f. Ordered	· · · · · · · · · · · · · · · · · · ·		Chinesen .				A			4.4
	q. Completed				+ -		+++-		+++++	2111	1.1.1
					+						
					111		+++-		TTT		
				TITT	11		TIT	ttt	111	TIT	UT
	ganizer: John Freche (3105, 49- sociate: Floyd Garrett (2158, 49-								Poge	T of 2	
		1					•				

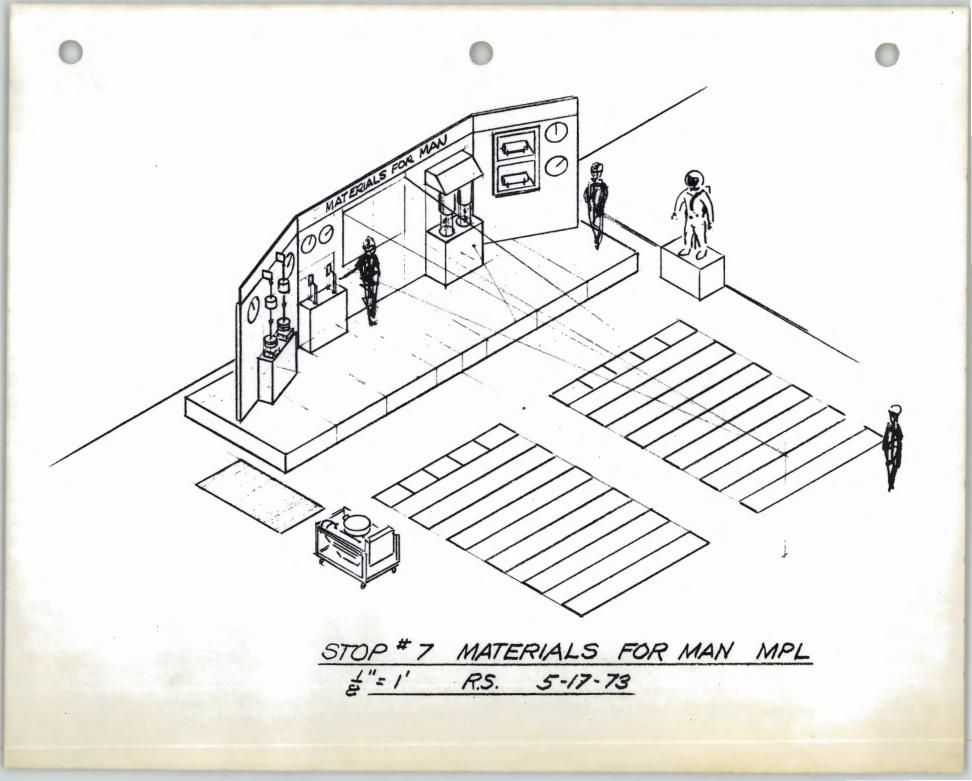
r

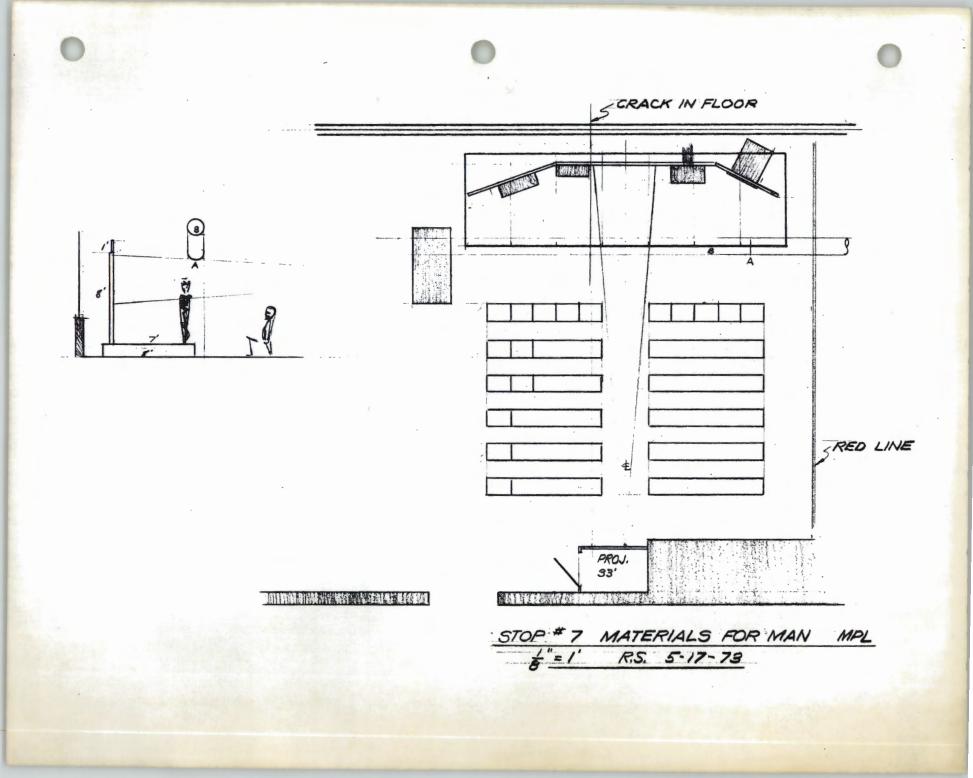
#### 1973 LEWIS INSPECTION ACTION SCHEDULE

### SCHEDULE DATE: JULY 30, 1973

ITEM	RESPONSIBILITY	E 37. M.H.	S COM-	MAR	APR	MAY	JUN	131	AUG	SI
		M.H.		11.00	TTT	TUT	TTT	1111	TTTT	17
<ul> <li>V. GENERAL AREA PREPARATION</li> <li>1. Requirements Analysis (signs, cleanup, page)</li> </ul>	intina					+++-		++++	1-1-1-1	++
	inting		Constant where	+++				+++++	++++	1-
a. Begun b. Completed			A Spelling of States	+++				++++	+++++	tt
2. Sign Preparation				+++-			P+++	++++-	1-1-1-1	tt
a. Begun				+++++				1111	1+++	tt
b. Completed			Contraction of the local division of the loc	++++			TH		++++	++
3. Painting								1-4-		+
				+++	HI			TIA	1111	11
a. Begun			State of the state	+++-	-+++-				1ttt	tt
b. Completed				++++				++++	1+++	
4. Cleanup									++++	++
a. Begun					+++				TAT	++
b. Completed						+++++.			1-1-01	-1-1-
					1-1-1-			++++	1	1
. SITE PREPARATION			Contractor of the Con	+++-				++++	++	11
1. Exhibit Requirements Analysis Completed				11-	A	44		1-1-1-	1	1.
2. Preliminary Safety Review Completed			and the second		ALLA					11
3. Stage and Seating			1111		111			1-1-1-		11
a. Plan (Detail Sketches)		-	1.08 CT	111					1111	11
(1) Preparation begun								1111	1111	11
(1) Preparation begun (2) Submitted for Division Review			「行き」の「	11	1110		111	1.11	1111	1.
(3) Approved by Division				111	1114			IIII	IIII	11
b. Desian			1.11	TIT	TTT	IIII		TTT	TTT	TT
(1) Stage				TIT	TTT	TIT	TTT	TITT	1111	TI
(2) Backdrop			A Site	TH		TIT		TTTT	TTT	T
(2) Backdron (3) Static Displays				++++		Att-	1111	111+	TTT:	11
<ul> <li>(3) Static Displays</li> <li>(4) Submitted for Division Review</li> </ul>		-					1+++	1-1-1-	++++	++
(5) Approved by Division				tt	1111	1+++-	11+	1-1-+-+	+++++	1-
(5) Approved by Division (6) Submitted for Insp. Hq. Review				+++	1+++			++++	1+++	+
7) Annound by Inco. He			and me of the state	+++-	+-+-+-	AL	++++	++++		1
<ul> <li>(7) Approved by Insp. Hq.</li> <li>c. Equipment Ordered (Projectors, Screens)</li> </ul>				-++-	++-+-	A	++++	++++	+	
. c. Equipment Ordered (Projectors, Screens	2				++++-	111-	++++	1+++	+	+
Snecial Lighting, Artwork, etc.) d. Construction/Installation			A DESCRIPTION AND DESCRIPTION	+++-	++++	A	++++	+++-	+	1-1-
d. Construction/Installation				+++	111	+++		++++-	++++	11
(1) Stage			++++	+++	111			1+++	++++	
(a) Begun				+++-		110	+++	+++++	++++	
(b) Completed		-	1111	111	1-1-1-	111	111	141	++	11
(2) Backdrop				111		111		1111	1.1.1	1 1
(a) Begun				111			ALL		1111	11
(b) Completed				11	1111		111	A	111	11
. (3) Static Displays					1111				111	1:
(a) Begun				TT	TIT	ITT	AT	IIII	111	1:
(b) Completed				TTT	IIII	IIII	IIII	1 A	TITT	T
(4) P.A. Systems	1				TIT	TTT	TTT	TTT	ITIT	TI
(a) Begun					1111	1111	tttt	<b>†</b> †††	TWT	11
(b) Completed	1			+++	1111	+++++		++++	TA	-1-1-
		-		+++-	++++-		1-1-1-	++++	1-1-1-	
LJI FIMIFILIUM SYSTEMS			+++++		1-+-+-	++++		++++	TAT	-1
(a) Begun					++++	++++-	1111	++++-	THA	
(o) Completed			+++++-			++++	++++	++++	++++	-+
(6) Special Signs, etc.					++++			+++++++++++++++++++++++++++++++++++++++		1
(a) tegun				+++-	++++	1-1-1-	K4-+-+			
(b) Completed						1111		111	141	1.
e, All Operating Systems Tested		-			1111	1-1-1	1-1-1	1111	LA	11
f Final Safety Review Completed		-					ALL	111		LL
	-	1			111		111			11
DIVISION REHEARSAL	1							1111	10	1:
				111					ITI	11
1. INSPECTION MANAGER'S REHEARSAL								1111	LITI	0
				LIT	1111		1111	1111	LIT	II
		]		ITT	ITT	ITTI	ITIT	IIII	TTT	TT
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	1	1	TTTT	TTT	111:	ITTI	TIT	1-1-1	TIT	11
	-	1	TTTT		ITT	111-	1-1-1-1	1111	1111	TT
		1	I'I'IT		TTT	1111	1111	1111	1111	11
			1++++			++++-	1++++	11++	1	
๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛		-	1++++		111-	1-1-1-1-	++++	1	1-1-1-1	TT
๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛					1-1-1-	1+++				
			+++++++++++++++++++++++++++++++++++++++	++++	1-1-1-		+		++++	
er an ar and a roll interruption of the following grants are rearranged as a data and a statement in formation			+++++	++++	++++	+++++-+-	1-1-+-+		++++	
					++++	+-+-+-	++++	1+++		-1-
		1,	1111			1111	1111	1111		11
	1	1			1111	1111	111	1111	1111	.11
		1.	IIIII	III	19	LITT	1111	ITT		11
		1		TI	ITT	TIT	111	111		1
ne na na provinski se den plane se stran na na na provins a s den a stran a stran se den se se den provinski s N	1	1	11111	1111	1111	1111	1111	1111	1111	1-1-
					1111	1111		1111		

.1.1





STOP NUMBER 8 - "THE IMPACT OF WEAR"

LOCATION

0

WEST WING, ENGINE RESEARCH BUILDING

STOP ORGANIZER - ROBERT L. JOHNSON

-

STOP ASSOCIATE - MAX SWIKERT

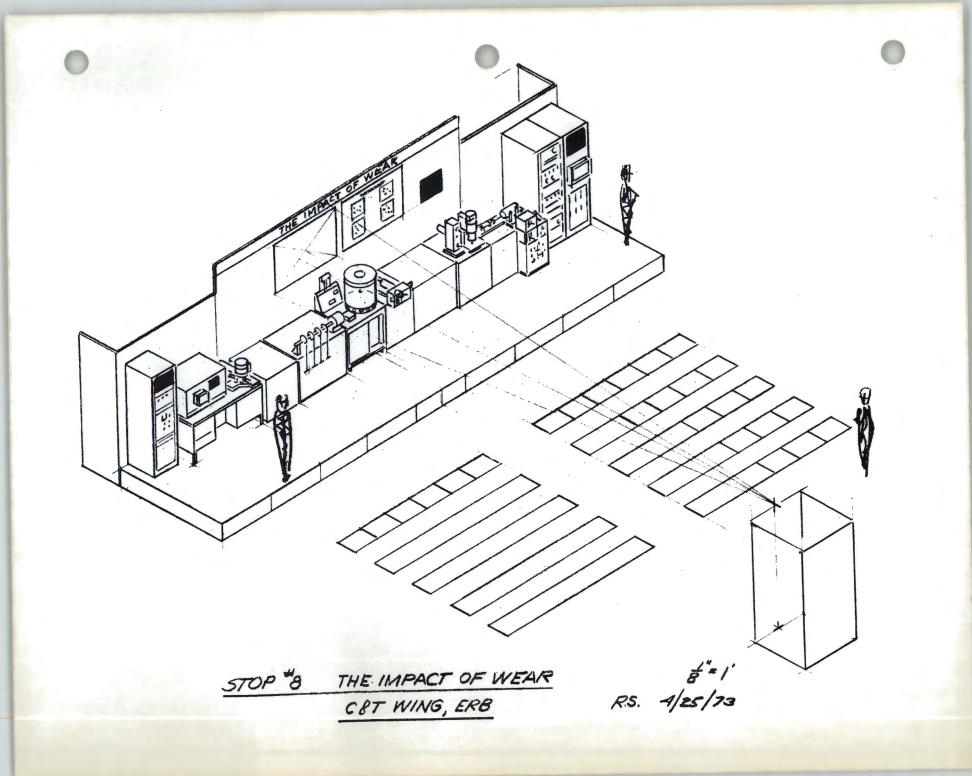
BUILDING MANAGER - N. RICCIARDI

TECHNICAL SERVICES - D. GOBLE

SPEAKERS -

WILLIAM A. BRAINARD LAVERN D. WEDEVEN ROBERT C. BILL ROBERT L. FUSARO STEPHEN V. PEPPER WILLIAM R. JONES, JR.

T



STOP NUMBER 9 - "SERVANTS IN SPACE"

LOCATION

- AUDITORIUM, ADMINISTRATION BUILDING

STOP ORGANIZER - HERMAN MARK

STOP ASSOCIATES

- RICHARD GEDNEY - LeRC STANLEY S. FREDEN - GSFC KENNETH KLEINKNECHT - JSC

BUILDING MANAGER - H. MASLACH

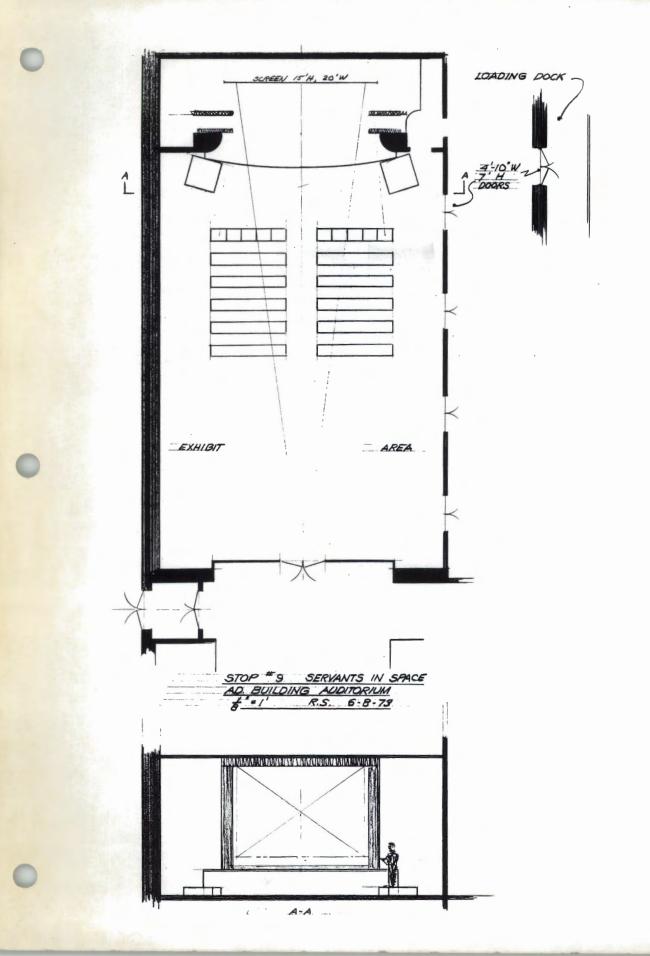
TECHNICAL SERVICES - DANIEL PROK

DOCUMENTARY FILM

SPEAKERS -

CHARLES A. RAQUET RONALD J. SCHERTLER

DR. NICHOLAS SHORT - GSFC DR. PAUL LOWMAN - GSFC MR. LEON BALLINGER - JSC MR. J. KALTENBACH - JSC





ATTN OF: 5420

June 14, 1973

TO: Johnson Spacecraft Center Attn: KA/Manager, Skylab Program Office

FROM: 5420/Chief, Aerospace Environment Branch

SUBJECT: Lewis Inspection: "Technology in the Service of Man," September 19-21, 1973

This letter is to convey to you the necessary information which will allow you to prepare for the Johnson Spacecraft Center's presentation at the subject Lewis Inspection.

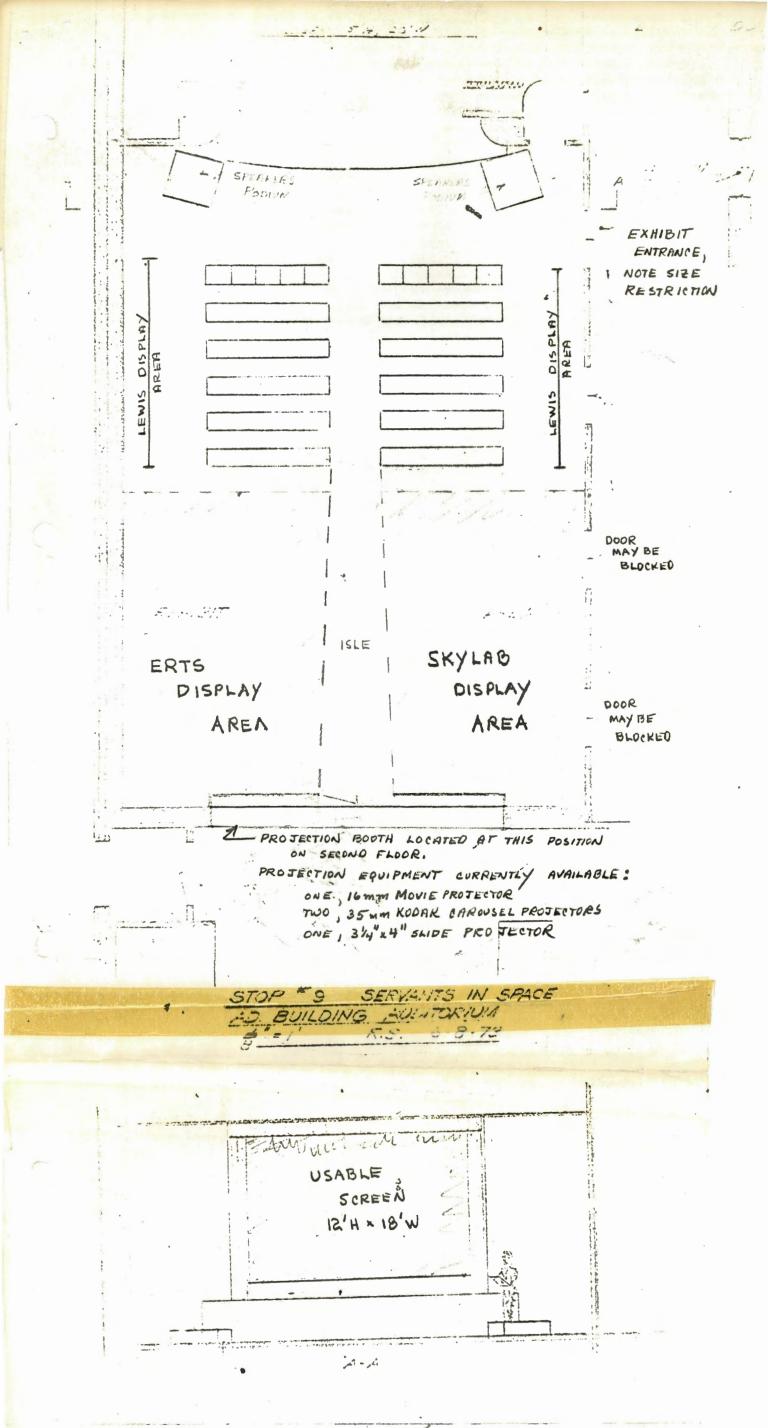
The "Servants in Space" stop (one of nine) presentations will be composed of three consecutive 8-1/3 minute presentations. The three presentations will be (1) the LeRC Earth Resources Program, (2) the Earth Resources Technology Satellite Program, and (3) the Skylab Program. There will be a total of nine presentations per day with time between each presentation for the attendees to view displays. The presentations are to be for leaders in government, education, labor, commerce, and industry. The objective is to show NASA's accomplishments and current programs in such a way that their benefits to man are evident.

The "Servants in Space" stop will be located in the auditorium of the Administration Building. The seating for 60 people, projection equipment, and display layout is given in the attachment. The allocation of space for the Skylab displays is only tentative and can possibly be changed if you need more room. It is requested that you determine what displays you will be using for the stop and mark a location for them on one copy of the attachment and return it to me. Please also send us a copy of your presentation as well as any special needs as soon as possible.

Your assistance in the Lewis Inspection is greatly appreciated.

leal Herman Mark

Enclosure





ATTN OF: 5400

June 29, 1973 ·

### MEMORANDUM

TO: 0100/Director

FROM: 5400/Chief, Physical Science Division

SUBJECT: Lewis Inspection - Stop 9 - "Servants in Space"

The completed text for the presentation is not available at this time due to the difficulty in integrating material from Houston and Goddard with that of our own efforts. Although contact with these centers has been established, presentation particulars have not been finalized. While at Houston, during his present trip, Dr. Mark will meet with the people in the Skylab office who will participate in our presentation.

Dr. Mark will return to Cleveland on Monday, July 2, at which time the presentation can be further developed.

W. E. Moeckel

cc: 5400/Official File 5420/HMark 5422/RGedney 5422/RSchertler

July 18, 1973

Prok 15-5

TO: Johnson Spacecraft Center Attn: KA/Cliff Charlesworth/Leon Ballinger FRCM: 5420/Chief, Astrospace Environment Branch

SUBJECT: 1973 Lewis Inspection: September 19, 20, 21

I am enclosing our latest schedule for the 1973 Lexis Inspection rehearsals. Note that they are not far off. We should have our text and slides prepared by that time and have a pretty good idea of what the exhibits will consist of so that changes required for the final version will be a minimum.

Please give this your utmost consideration since we are in competition with eight other stops for electricians, mechanics, photowork, etc.

I assume your representatives will plan to be here for the actual presentations. We can stand in for them during the rehearsals if it is too burdensome for them to be here at that time.

51

Herman Mark

Enclosure

cc: 5400/Official File 1010/WTOlson 1003/ERichley 7013/DProk 5420/HMark 5420/HMark:1a:7/18/73

1973 JUL 19 PM 12 22

5420

July 19, 1973

### MEMORANDUM

TO: Record

FROM: Edward A. Richley

This date met with Herman Mark and Ted Olson to review status of Stop 9. Explained again in detail to Herman Mark the concept of Stop 9. Instructed Herman to hold a meeting at Lewis next week with representatives from Goddard and JSC who will be participating in Stop 9 in order to develop detailed plans.

Advised Herman that if such a meeting is not held next week that on July 30 I will recommend to the Director a complete revision of the plans for that stop.

Edward A. Richley

W. T. Olson

#### 1003



REPLY TO ATTN OF: 5420

August 6, 1973

MEMORANDUM

TO: 1010/Director, Office of Technology Utilization & Public Affairs (General Chairman, 1973 Lewis Inspection)

FROM: 5420/Coordinator of Stop 9, "Servants in Space"

SUBJECT: Meeting of Goddard, Johnson and Lewis Personnel for Stop 9 Coordination

Organization of Stop 9 entitled "Servants in Space" involves considerable input from both Goddard Space Flight Center and Lyndon B. Johnson Space Center as well as Lewis. Because this stop is a technical stop it has characteristics of Stops 1-8 (which are technical stops but Lewis only) and Stop 10 which is a display-only stop including input from other centers. Stop 9, therefore, requires not only coordination of display and exhibit material from various Centers as in Stop 10, but also coordination of the technical presentation which is to be made and must include inputs, ideas, comments, and approvals from all Centers involved as done by Lewis personnel only for Stops 1-8.

The above inclusive requirements demanded that a meeting be called at one location so that face-to-face coordination of these various items could be effected. Lewis was chosen as the location for this meeting for obvious advantages and the meeting was scheduled for and took place on Wednesday, August 1, 1973. This rather late date was the earliest that could be selected due to the exigencies of the Skylab project which demanded JSC personnel attention ahead of all other commitments until the launch of SL-3 on July 28. Unfortunately, although GSFC has cooperated smoothly on Stop 9 to this time, they were unable to send their chief representative, Dr. Nicholas Short, to the August 1 meeting since he was operated on that day to repair a hernia. A satisfactory replacement for Dr. Short could not be found and other departments at Goddard involved were short of travel funds so no Goddard personnel were present at the meeting. Representatives of the Skylab program office, the Earth Resources Program Office, and the Directorate of Science and Applications at Johnson, however, were in attendance at the meeting.

Eight Lewis personnel were present representing Earth Observations, technical support groups, visual aid support groups and the Inspection Committee. A list of attendees is attached. The meeting was held in room 215 of the Administration Building.

In initiating the interchange, the Stop organizer pointed out that by direction of HQ, Stop 9 was one of two Stops planned to include descriptions of NASA programs from other centers and hence it was as much their responsibility as Lewis's to create a stop which would bring properly to the attention of invitees the accomplishments the NASA had attained in the subject areas (see enclosure 2). The type of visitor was described in order to transmit to the other center personnel the level of the technical presentation that would be required (see enclosure 3).

This preliminary material understood, we went directly to the technical aspects of the presentation and agreed quickly that the order of material presentation should be first ERTS, then Skylab, then the Lewis SR&T program. A 1 to 2 minute introduction in the style of Dr. Short, was agreed upon and the material to be included in the remainder of the talk was only roughed out. It was Mr. Ballinger's suggestion to include some material on underflights and thus briefly mention Ames! role as Lead Center for the flight program. Mr. Kaltenbach then suggested that he would have his revised talk to us by the following week (August 6-8) and it was agreed for the Session Organizer to make the first rough compilation of the three inputs into a total talk so that the material would not be redundant and could be presented with continuity and in a somewhat unified style, at the same time meeting the time limitations for the presentation. It was agreed at this point, as well, that the final talk would be given by three speakers in series to take advantage of the change in look, tone, and style of presentation and add subliminal variety and interest.

The next subject discussed was visual aids and Messrs Kaltenbach of JSC and Henderson of Lewis agreed on methods for handling slides and other visual aids. Mr. Kaltenbach agreed to provide copies of his visual aids to Mr. Henderson by August 15.

Mr. Willis Mitchell of the Skylab Project Office then suggested that he would coordinate the JSC portion of the display with J. W. King and C. A. Biggs and try to have the display at Lewis by August 30.

By August 30 copies of the talk will have been sent to GSFC and JSC and some iteration may have taken place. Approvals at these centers will be acquired from appropriate center management in order that a rehearsal of the presentation for Stop 9 can be made on Wednesday, September 5. Speakers for the various Centers should be prepared to spend September 5 rehearsing for final rehearsal on September 6.

Lewis will coordinate electrical, sound, and visual aid equipment in time for the September 5 rehearsal and the September 6 final rehearsal for the Inspection Officials. A visit to the Auditorium was included and some discussion took place at that location regarding the possibility of the renewal of that facility not being completed in time for the rehearsal or even for the inspection itself. Mr. Thoennes injected at this point that R. R. Godman of Lewis had given the Center Director assurances that this facility would be available, so all worry temporarily ceased. It was agreed by Jim Modarelli and Hugh Harris, both of Lewis representing the Inspection Committee, that hand-outs as part of the display would be acceptable but that they would neither be desirable nor required elsewhere since a booklet is being prepared to be given to the visitors which will describe the material presented at all stops. Johnson Center personnel requested preliminary copies of this booklet for Center approval and Mr. Harris agreed to make them available for this purpose.

Although Mr. Coletto of Goddard was unable to attend the meeting, he did make contact with Mr. Modarelli regarding displays. This will have to be followed closely to make sure no hitches occur in the handling of this material as well as the visual aids to be used for Dr. Short.

All appropriate subjects having been exhausted, the action items scheduled to occur at seemingly realistic rate, the meeting was adjourned so the visitors could catch their plane back to Texas. The entire interaction having been very cordial suggests that cooperation will continue at a high level and the purposes of the effort will be accomplished.

Herman Mark

3 Enclosures

3

cc: 5400/Official File 5420/HMark 5422/RTGedney 1013/HHarris 1921/MHenderson 7211/HMaslach 1900/JModarelli 1920/RSchulke 7212/DThoennes 7013/DSProk 1003/EARichley Johnson Space Center HA/IHBallinger TD5#JIKaltenbach KS/WBMitchell HA/CECharlesworth KA/KSKleinknecht TA/AJCalio AP5/CABiggs AP/JWKing

Goddard Space Flight Center 202.0/GGColetto 650.0/SCFreden 650.3/MMShort

# ATTENDEES - 1973 INSPECTION

### STOP 9

### Herman Mark, Coordinator

Name	Center	FTS Phone
Leon H. Ballinger	JSC	713-483-2317
John L. Kaltenbach	JSC	713-483-4017
Willis B. Mitchell	JSC	713-483-2126
Richard T. Gedney	LeRC	216-433-6207
Hugh Harris	LeRC	216-433-6438
Murray Henderson	LeRC	216-433-6457
Henry Maslach	LeRC	216-433-6720
Jim Modarelli	LeRC	216-433-6460
Dick Schulke	LeRC	216-433-6174
Don Thoennes	LeRC	216-433-6206

Enclosure 1



July 10, 1973

ATTN OF: 1010

MEMORANDUM

TO: Addressees

FROM: 1010/General Chairman, 1973 Inspection

SUBJECT: 1973 Lewis Inspection: September 19, 20, 21

Invitations to the 1973 Lewis Inspection, "Technology in the Service of Man" have now been issued to about 7000 leaders of government, business and industry, labor, education, and the professions with an expectation of 1500 acceptances for September 19, 20, and 21. If we are overwhelmed, we anticipate adding September 18, -or even September 17 or September 24. Plan accordingly.

Rehearsals at tour stops are scheduled as follows. Stop organizers and their co-workers are urged to be well prepared so that changes and further rehearsals will be a minimum.

Tuesday, September 4

9:30 a.m. - Stop 1 - Quieting the Fleet 11:00 a.m. - Stop 2 - Cleaner Skies 1:30 p.m. - Stop 3 - Powered Lift 3:00 p.m. - Stop 4 - Big Boost for Rockets

Wednesday, September 5

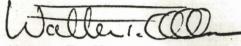
9:30 a.m. - Stop 5 - Space Electronics Technology 11:00 a.m. - Stop 6 - Clean Energy 1:30 p.m. - Stop 7 - Materials for Man 3:00 p.m. - Stop 8 - The Impact of Wear

Thursday, September 6

.9:30 a.m. - Stop 9 - Servants in Space

If there is any problem with this time-table, please let me know immediately.

Final run-throughs are expected to be scheduled in the time period September 10 to 12; please save these dates.



Walter T. Olson

Addressees: 0100/Bruce T. Lundin 0100/Bernard Lubarsky 0100/Henry C. Barnett 7000/James F. Connors 0110/E. J. Manganiello 9000/Edmund R. Jonash 1003/Edward A. Richley 1900/James J. Modarelli 1013/Hugh W. Harris 1960/John M. Powell 1000/Arthur R. Wycoff, Jr. 7221/Donald R. Thoennes 7013/Daniel S. Prok

2530/Earl W. Conrad	(1)
2132/Robert E. Jones	(2)
2520/Roger W. Luidens	(3)
9500/Howard W. Douglass	(4)
3300/Edward W. Otto	(5)
5100/Louis Rosenblum	(6)
5500/John C. Freche	(7)
2610/Robert L. Johnson	(8)
5420/ Herman Mark	(9)

: Lufala

1010/1000.0 L. Borg 6420/ Horonn March

2



REPLY TO ATTN OF:

August 22, 1973

MEMORANDUM

1003

TO: DISTRIBUTION

FROM: Vice Chairman, 1973 Lewis Inspection

SUBJECT: Inspection Stop Speakers

Please provide me with a list of your Inspection Stop Speakers and back-up Speakers by August 29th. The list should be sent to

Inspection Headquarters, MS: 3-15.

Edward A. Richley

DISTRIBUTION: 2132/R. E. Jones 2520/R. W. Luidens 9500/H. W. Douglass 3300/E. W. Otto 5100/L. Rosenblum 5500/J. C. Freche 2610/R. L. Johnson 5420/H. Mark

# SPEAKERS LIST

# 1973 LEWIS INSPECTION

# STOP 1 - QUIETING THE FLEET

Group 1	Mail Stop	Org. Code
James R. Stone Allen M. Karchmer Ronald G. Huff Kenneth J. Baumeister William A. Olsen, Jr.	501-4 501-4 501-4 501-4 501-4	2541 2542 2542 2532 2532 2542
Group 2		
Carl C. Ciepluch James H. Dittmar John W. Schaefer Francis J. Montegani Joseph A. Yuska	501-4 501-4 501-4 501-4 501-7	2560 2532 2560 2560 2582
STOP 2 - CLEANER SKIES		
James S. Fear Raymond S. Colladay Edwin J. Graber, Jr. James D. Holdeman Edward J. Mularz	60-4 77-2 60-6 60-6 60-6	2131 2142 2113 2131 0300
STOP 3 - POWERED LIFT		
John M. Abbott Gary G. Kelm David A. Sagerser Donald C. Urasek Richard J. Roelke Everett E. Bailey	501-4 501-4 501-7 5-9 77-2 5-9	2522 2551 2572 2631 2642 2633
STOP 4 - BIG BOOST FROM ROCKETS		
<u>Group 1</u>		
John J. Nieberding Rodney M. Knight Raymond F. Lacovic	500-119 500-107 500-116	9111 9100 9231

# SPEAKERS LIST (CONTINUED)

# STOP 4 - Continued

Group 2	Mail Stop	Org. Code
Roger S. Palmer Dale E. Pope Robert G. Rohal	500-120 500-120 49-3	9133 9131 9131
Group 3		
Gary D. Sagerman Irving E. Sumner Thom A. Coney	500-318 500-203 500-204	9511 9532 9522
Group 4		
Murray M. Bailey Wayne A. Thomas Neal F. Wingenfeld	500-205 500-209 500-209	9501 9541 9541
STOP 5 - SPACE ELECTRONICS TECHNOLOGY		
David L. Wright Bruce E. LeRoy James A. Burkhart Karl F. Reader Gerald F. Hein James E. Cake Michael D. Richardson Albert J. Weigand	501-1 54-3 54-5 54-5 501-1 500-107 501-4 54-1	3312 3343 3311 3301 3400 3343 3312 3333
STOP 6 - CLEAN ENERGY		
Gary N. Benninger Robert W. Easter John G. Ewashinka John L. Anderson Paul T. Kerwin Gerald V. Brown	309-1 302-1 500-201 500-202 301-1	5141 5123 5112 5211 5231 5442
STOP 7 - MATERIALS FOR MAN		
David A. Spera Ernest Roberts, Jr. Hugh R. Gray Phillip L. Stone Tito T. Serafini William A. Gordon	49-1 106-1 49-1 105-1 49-3 105-1	5570 5532 5562 5533 5522 55013

# SPEAKERS LIST (CONTINUED)

### STOP 8 - THE IMPACT OF WEAR

William A. Brainard Lavern D. Wedeven Robert C. Bill Robert L. Fusaro Stephen V. Pepper William R. Jones, Jr.	23-2 23-2 23-2 23-2 23-2 23-2 23-2	2613 2612 0300 2612 2613 2612
STOP 9 - SERVANTS IN SPACE		
Charles A. Raquet Ronald J. Schertler	301-1 301-1	5422 5422
Dr. Nicholas Short, GSFC Dr. Paul Lowman, GSFC Mr. Leon Ballinger, JSC Mr. J. Kaltenbach, JSC		



REPLY TO ATTN OF:

INSP

August 21, 1973

MEMORANDUM

TO: DISTRIBUTION

FROM: Chairman, 1973 Lewis Inspection

SUBJECT: Inspection Rehearsals

This is a reminder of an invitation to attend the formal rehearsals of the 1973 Inspection Stops. Rehearsals at tour stops are scheduled as follows:

Tuesday, September 4

9:30 a.m.	- Stop 1 - Quieting the Fleet	- 10X10 Shop
11:00 a.m.	- Stop 2 - Cleaner Skies	- PSL 3 & 4
1:30 p.m.	- Stop 3 - Powered Lift	- 9X15
3:00 p.m.	- Stop 4 - Big Boost from Rockets	- Zero-G

#### Wednesday, September 5

9:30 a.m. - Stop 5 - Space Electronics Technology - EPL 11:00 a.m. - Stop 6 - Clean Energy for a Better Life - ERB, Center 1:30 p.m. - Stop 7 - Materials for Man - MPL 3:00 p.m. - Stop 8 - The Impact of Wear - ERB, West

Thursday, September 6

9:30 a.m. - Stop 9 - Servants in Space - Ad. Bldg. Auditorium Automobiles will be available behind the Administration Building.

Stop Organizers are being invited for purposes of coordinating remarks.

Please notify the Inspection Office, PAX 8673, PBX 6873, if you plan to attend.

Olson

DISTRIBUTION: 0100/B. T. Lundin 0100/B. Lubarsky 0100/H. C. Barnett 0110/E. J. Manganiello 3000/J. H. Childs 5000/G. M. Ault 6000/H. Johnson 7000/J. F. Connors 8000/R. R. Godman 9000/E. R. Jonash Inspection Team: 1010/W. T. 01son 1003/E. A. Richley 1900/J. J. Modarelli 1960/J. M. Powell 1920/R. Schulke 1000/A. R. Wycoff 1013/H. Harriss 7013/D. Prok 7221/D. R. Thoennes 1921/M. Henderson Stop Organizers: 2530/E. W. Conrad 2132/R. E. Jones 2520/R. W. Luidens 9500/H. W. Douglass 3300/E. W. Otto 5100/L. Rosenblum 5500/J. C. Freche 2610/R. L. Johnson (9) 5420/Herman Mark

Stops (2) (3) (4) 5) (8)

2



REPLY TO ATTN OF:

September 10, 1973

### MEMORANDUM

INSP

TO: DISTRIBUTION

FROM: Chairman, 1973 Lewis Inspection

SUBJECT: Second Inspection Rehearsal Schedule

Wednesday, September 12

10:00	a.m.	-	Stop	4	-	Big Boost	from Rockets	-	Zero-G
						Impact of		-	ERB, West
2:00	p.m.	-	Stop	7	-	Materials	for Man	-	MPL

#### Thursday, September 13

1:30 p.m. - Stop 2 - Cleaner Skies 2:30 p.m. - Stop 6 - Clean Energy - PSL 3 & 4 - ERB, Center

Friday, September 14	
9:00 a.m Stop 1 - Quieting the Fleet	- 10X10 Shop
10:00 a.m Stop 3 - Powered Lift	- 9X15
11:00 a.m Stop 5 - Space Electronics Technology	- EPL

#### Attention Stop Organizers:

- 1. Please have presentations made by different speakers than used for the first rehearsal.
- A full dress rehearsal will be held on Tuesday, September 18. Information regarding schedule details will be issued later this week.

Walter T. Olson

DISTRIBUTION: 0100/B. T. Lundin 0100/B. Lubarsky 0100/H. C. Barnett 0110/E. J. Manganiello 3000/J. H. Childs 5000/G. M. Ault 6000/H. Johnson 7000/J. F. Connors 8000/R. R. Godman 9000/E. R. Jonash 0150/F. E. Belles 0170/W. F. Dankhoff Inspection Team: 1010/W. T. 01son 1003/E. A. Richley 1900/J. Modarelli 1920/R. Schulke 1000/A. R. Wycoff 1013/H. Harris 7013/D. Prok 7221/D. R. Thoennes 1921/M. Henderson 7510/H. Wharton 1961/J. Sheehan Stops Stop Organizers: 2530/E. W. Conrad 2132/R. E. Jones (2) (3)2520/R. Luidens 9500/H. Douglass 3300/E. W. Otto (4) (5) (6) 5100/L. Rosenblum (7) 5500/J. C. Freche 2610/R. L. Johnson (8)(9) 5420/H. Mark

2



REPLY TO ATTN OF: INSP

September 12, 1973

#### MEMORANDUM

TO: Distribution

FROM: Vice-Chairman, 1973 Lewis Inspection

SUBJECT: Full Dress Rehearsal for "Technology in the Service of Man"

A full dress rehearsal will be held on Tuesday, September 18, 1973 of the program. It will begin at 9:00 a.m. in the DEB Auditorium and one bus following the schedule of the "silver" group will be used. The tour group will consist of the Group Leaders, Assistant Group Leaders, Bus Guides, and Inspection Team. Group Leaders, Assistant Group Leaders, and Bus Guides should report to the DEB Auditorium and be in their seats by 9:00 a.m. The scheduled time from 9:00-9:25 a.m. will be used to review procedures and answer questions. Stop Organizers, speakers and other participants are invited to this part of the program and may accompany the tour group on a <u>space available basis</u> on the bus. Enclosed are two copies of the "Daily Schedule - 1973 Inspection of Lewis Research Center - September 19, 20 & 21" for your information.

If you have any questions on this full dress rehearsal, please contact my office at PAX 3155 or 3254 or PBX 456 or 775.

Edward a. Kickey

Edward A. Richley

Enclosure

Distribution: 0100/B. T. Lundin 0100/B. Lubarsky 0100/H. C. Barnett 0110/E. J. Manganiello 3000/J. H. Childs 5000/G. M. Ault 6000/H. Johnson 7000/J. F. Connors 8000/R. R. Godman 9000/E. R. Jonash 0150/F. E. Belles 0170/W. F. Dankhoff

Inspection Team: 1010/W. T. Olson 1003/E. A. Richley 1900/J. Modarelli 1920/R. Schulke 1000/A. R. Wycoff 1013/H. Harris 7013/D. Prok 7221/D. R. Thoennes 1921/M. Henderson 7510/H. Wharton 1961/J. Sheehan

Stop Organizers:	Stops
2530/E. W. Conrad	(1)
2132/R. E. Jones	(2)
2520/R. Luidens	(3)
9500/H. Douglass	(4)
3300/E. W. Otto	(5)
5100/L. Rosenblum	(6)
5500/J. C. Freche	(7)
2610/R. L. Johnson	(8)
5420/H. Mark	(9)

DAILY SCHEDULE - 1973 INSPECTION OF LE

- Start Guest pickup at Motels and Airport 7:30
- REGISTRATION. Baggage Checking; . . . . . . Development Engineering Bldg. Cafeteria 8:00

9:00

9:10 OPENING ADDRESS by NASA Administrator

9:25 START TOUR. Board bus marked with same color as your badge.

STOP NO.	SUBJECT (Location)	SILVER	GOLD	GREEN	BLUE	YELLOW	PINK	WHITE	BUFF	SALMON
1	QUIETING THE FLEET	9:40	3:55	3:20	2:30	1:55	12:15	11:40	11:05	10:15
	(10x10 Shop)	10:05	4:20	3:45	2:55	2:20	12:40	12:05	11:30	10:40
2	CLEANER SKIES	3:20	2:30	1:55	12:15	11:40	11:05	10:15	9:40	3:55
	(PSL 3 & 4)	3:45	2:55	2:20	12:40	12:05	11:30	10:40	10:05	4:20
3	POWERED LIFT	11:05	10:15	9:40	3:55	3:20	2:30	1:55	12:15	11:40
	(9x15)	11:30	10:40	10:05	4:20	3:45	2:55	2:20	12:40	12:05
4	BIG BOOST FROM ROCKETS	2:30	1:55	12:15	11:40	11:05	10:15	9:40	3:55	3:20
	(Zero-G)	2:55	2:20	12:40	12:05	11:30	10:40	10:05	4:20	. 3:45
5	SPACE ELECTRONICS TECHNOLOGY	10:15	9:40	3:55	3:20	2:30	1:55	12:15	11:40	11:05
	(EPL)	10:40	10:05	4:20	3:45	2:55	2:20	12:40	12:05	11:30
6	CLEAN ENERGY FOR A BETTER LIFE	12:15	11:40	11:05	10:15	9:40	3:55	3:20	2:30	1:55
	(ERB - Center)	12:40	12:05	11:30	10:40	10:05	4:20	3:45	2:55	2:20
7	MATERIALS FOR MAN	3:55	3:20	2:30	1:55	12:15	11:40	11:05	10:15	9:40
	(MPL)	4:20	3:45	2:55	2:20	12:40	12:05	11:30	10:40	10:05
8	THE IMPACT OF WEAR	11:40	11:05	10:15	9:40	3:55	3:20	2:30	1:55	12:15
	(ERB - West Wing)	12:05	11:30	10:40 -	10:05	4:20	· 3:45	2:55	2:20	12:40
9	SERVANTS IN SPACE	1:55	12:15	11:40	11:05	10:15	9:40	3:55	3:20	2:30
	(Ad. Bldg. Aud.)	2:20	12:40	12:05	11:30	10:40	10:05	4:20	3:45	2:55
	MORNING COFFEE BREAK (15 Minutes)	10:40 - 10:55 (EPL)	10:50 - 11:05 (ERB - West)	10:40 - 10:55 (ERB - West)	10:50 - 11:05 (Ad. Bldg.)	10:40 - 10:55 (Ad. Bldg.)	10:50 - 11:05 (PSL)	10:40 - 10:55 (PSL)	10:50 - 11:05 (10x10)	10:40 - 10:55 (1 <b>0x</b> 10)
	AFTERNOON COFFEE BREAK (15 Minutes)	3:05 - 3:20 (PSL)	2:55 - 3:10 (PSL)	3:05 - 3:20 (10x10)	2:55 - 3:10 (10x10)	2:55 - 3:10 (EPL)	3:05 - 3:20 (ERB - West)	2:55 - 3:10 (ERB - West)	3:05 - 3:20 (Ad. Bldg.)	2:55 - 3:10 (Ad. Bldg.)
	LUNCHEON (50 Minutes)	12:50	12:50	12:50	12:50	12:50	12:50	12:50	12:50	12:50
	(DEB Cafeteria)	1:40	1:40	1:40	1:40	1:40	1:40	1:40	1:40	1:40

4:30 SOCIAL - Hangar (Stop 10) - Special Exhibits

Buses begin to leave for visitor parking, airport, and motels via DEB for baggage pickup. 5:00

5:15. Last bus and NASA cars depart Hangar.

#### Notes:

1. A group will contain a maximum of 50 persons.

Luncheon will be served in the DEB Cafeteria. 2.

3. Coffee stops will accommodate two groups at:

a) 10x10 Shop Area c) ERB West Wing

- b) Ad. Bldg. Aud.
- d) PSL3&4

- 4. A coffee stop will accommodate only one group at EPL.
- Times at each stop indicate beginning and end of presentation. 5.

6. Each presentation is 25 minutes.

7. Moving time between presentations is 10 minutes.

DAILY SCHEDULE - 1973 INSPECTION OF LE

.

- 7:30 Start Guest pickup at Motels and Airport
- 8:00 REGISTRATION. Baggage Checking; . . . . . . Development Engineering Bldg. Cafeteria

9:00 WELCOMING REMARKS by Director . . . . . . . . . . . . . . . . DEB Auditorium

9:10 OPENING ADDRESS by NASA Administrator

9:25 START TOUR. Board bus marked with same color as your badge.

STOP NO.	SUBJECT (Location)	SILVER	GOLD	GREEN	BLUE	YELLOW	PINK	WHITE	BUFF	SALMON
1	QUIETING THE FLEET	9:40	3:55	3:20	2:30	1:55	12:15	11:40	11:05	10:15
	(10x10 Shop)	10:05	4:20	3:45	2:55	2:20	12:40	12:05	11:30	10:40
2	CLEANER SKIES	3:20	2:30	1:55	12:15	11:40	11:05	10:15	9:40	3:55
	(PSL 3 & 4)	3:45	2:55	2:20	12:40	12:05	11:30	10:40	10:05	4:20
3	POWERED LIFT	11:05	10:15	9:40	3:55	3:20	2:30	1:55	12:15	11:40
	(9x15)	11:30	10:40	10:05	4:20	3:45	2:55	2:20	12:40	12:05
4	BIG BOOST FROM ROCKETS	2:30	1:55	12:15	11:40	11:05	10:15	9:40	3:55	3:20
	(Zero-G)	2:55	2:20	12:40	12:05	11:30	10:40	10:05	4:20	3:45
5	SPACE ELECTRONICS TECHNOLOGY	10:15	9:40	3:55	3:20	2:30	1:55	12:15	11:40	11:05
	(EPL)	10:40	10:05	4:20	3:45	2:55	2:20	12:40	12:05	11:30
6	CLEAN ENERGY FOR A BETTER LIFE	12:15	11:40	11:05	10:15	9:40	3:55	3:20	2:30	1:55
	(ERB - Center)	12:40	12:05	11:30	10:40	10:05	4:20	3:45	2:55	2:20
7	MATERIALS FOR MAN	3:55	3:20	2:30	1:55	12:15	11:40	11:05	10:15	9:40
	(MPL)	4:20	3:45	2:55	2:20	12:40	12:05	11:30	10:40	10:05
8	THE IMPACT OF WEAR	11:40	11:05	10:15	9:40	3:55	3:20	2:30	1:55	12:15
	(ERB - West Wing)	12:05	11:30	10:40 -	10:05	4:20	3:45	2:55	2:20	12:40
9	SERVANTS IN SPACE	1:55	12:15	11:40	11:05	10:15	9:40	3:55	3:20	2:30
	(Ad. Bldg. Aud.)	2:20	12:40	12:05	11:30	10:40	10:05	4:20	3:45	2:55
	MORNING COFFEE BREAK (15 Minutes)	10:40 - 10:55 (EPL)	10:50 - 11:05 (ERB - West)	10:40 - 10:55 (ERB - West)	10:50 - 11:05 (Ad. Bldg.)	10:40 - 10:55 (Ad. Bldg.)	10:50 - 11:05 (PSL)	10:40 - 10:55 (PSL)	10:50 - 11:05 (10x10)	10:40 - 10:55 (10 <b>x</b> 10)
	AFTERNOON COFFEE BREAK (15 Minutes)	3:05 - 3:20 (PSL)	2:55 - 3:10 (PSL)	3:05 - 3:20 (10x10)	2:55 - 3:10 (10x10)	2:55 - 3:10 (EPL)	3:05 - 3:20 (ERB - West)	2:55 - 3:10 (ERB - West)	3:05 - 3:20 (Ad. Bldg.)	2:55 - 3:10 (Ad. Bldg.)
	LUNCHEON (50 Minutes)	12:50	12:50	12:50	12:50	12:50	12:50	12:50	12:50	12:50
	(DEB Cafeteria)	1:40	1:40	1:40	1:40	1:40	1:40	1:40	1:40	1:40

4:30 SOCIAL - Hangar (Stop 10) - Special Exhibits

5:00 Buses begin to leave for visitor parking, airport, and motels via DEB for baggage pickup.

5:15. Last bus and NASA cars depart Hangar.

#### Notes:

1. A group will contain a maximum of 50 persons.

2. Luncheon will be served in the DEB Cafeteria.

3. Coffee stops will accommodate two groups at:

- a) 10x10 Shop Area c) ERB West Wing
- b) Ad. Bldg. Aud.
- d) PSL 3 & 4

- 4. A coffee stop will accommodate only one group at EPL.
- 5. Times at each stop indicate beginning and end of presentation.

6. Each presentation is 25 minutes.

7. Moving time between presentations is 10 minutes.



REPLY TO ATTN OF:

May 15, 1973

Shi.

MEMORANDUM

1003

TO: 1973 Inspection Stop Organizers

FROM: Vice Chairman, 1973 Lewis Inspection

SUBJECT: Status Report on Outline and Text Preparations

This is to advise you that at this writing, outlines and preliminary sketches have been approved for Stops 1 through 8. In addition, Herman Mark has been designated as the coordinator of Stop 9, Servants in Space, and points of contact have been identified at the Goddard Space Flight Center and at the Johnson Space Center to work with Dr. Mark in preparing this Stop. Stop 10 planning is well underway and contacts have been established at each of the NASA Centers to work with Jim Modarelli.

For your information, attached is a copy of the latest Stop title, location, organizer etc.

The next major milestone associated with text preparation is the submission of a draft copy of the text and revised figures due in Inspection Headquarters by May 15. The reason for this seemingly early date is associated with plans to prepare and print a rather detailed brochure describing the Inspection. It is the intention that this brochure will be mailed out with all confirmed acceptances to invitations to the Inspection. At the same time it is recognized that it is a bit ambitious to expect a final polished text to be submitted on such short notice. Therefore, Hugh Harris, who is in charge of publicity has indicated he will make every effort to work with material that has been submitted to date, however, after reviewing it he has advised that in many instances he will need more input. Therefore, with this memorandum I am making the following request and change in schedule.

- That fairly complete drafts be submitted as soon as possible 1. from Stops 2 and 6.
- That all Stops submit first drafts of their texts no later than 2. June 1, 1973. (This date formerly was May 15.)

Please make every effort to satisfy these new requirements and contact me at once if you have any questions concerning them.

E.a. Richley Edward A. Richley

Enclosure

cc: All Stop Organizers 1973 Inspection Team

1003:EARichley:jms 5/15/73

2



ATTN OF: 7212

June 21, 1973

#### MEMORANDUM

TO: September Inspection On-Site Committee, TID On-Site Building Managers and Fabrication Division

FROM: Manager/Technical Services On-Site Committee

SUBJECT: Status Report of All Inspection Stop Areas

There will be a meeting Tuesday June 26th at 1:00 p.m. in the Conference Room of Bldg. #15 (Utilities Bldg.). I will expect everyone to give a short status report on the area he is responsible for. There will be time before Tuesday's meeting for the on-site building managers to consult with the stop coordinators to make sure all areas of concern are being cared for. If you are unable to attend, please send an alternate.

Donald J. Thoesnes

Donald L. Thoennes

Distribution: 1920/R. Schulke 7011/R. Billy 7013/D. Prok 7110/G. Mahnke 7111/E. Botos 71133/R. Fenderbosh 7211/H. Maslach 7213/N. Ricciardi 7222/B. Kluchnik 72301/J. Maclean 7231/L. Herman

7241/H. Wine 7242/R. Kravanya 7243/F. Dunn 7320/G. Speer 7322/J. Krudy 7430/T. Guzik 7430/F. Sejhar 7450/F. Kuchta 7461/C. Skony 7514/J. Sikora

cc: 7000/J. F. Connors 7011/R. A. Maurer 7100/J. C. Everett

7100/J. C. Everett 7200/B. R. Harrison

7212/DLThoennes:sh:6-21-73 🔅

7300/A. B. Szuhai 7400/F. VanHoff 7500/L. R. Howe 7212/Official File Copy



ATTN OF: 7221

#### August 9, 1973

#### MEMORANDUM

TO: September Inspection On-Site Committee, TID On-Site Building Managers and Fabrication Division

FROM: Manager/Technical Services On-Site Committee

SUBJECT: Final Status Report of All Inspection Stop Areas

There will be a meeting Tuesday, August 14th at 1:00 P.M., in the Conference Room of Building no. 15 (Utilities Building). I will expect everyone to give a short status report on the area he is responsible for. There will be time before Tuesday's meeting for the on-site building managers to consult with the stop coordinators to make sure all areas of concern are being cared for. If you are unable to attend, please send an alternate.

NOA

Donald L. Thoennes

Distribution:

1920/R. Schulke 7011/R. Billy 7013/D. Prok 7110/G. Mahnke 7111/E. Botos 71133/R. Fenderbosh 7211/H. Maslach 7212/N.Ricciardi 7222/B. Kluchnik 72301/J. MacLean 7231/L. Herman

cc: 7000/J. F. Connors 7011/R. A. Maurer 7100/J. C. Everett 7200/B. R. Harrison 1003/E. A. Richley 7221/DLThoennes:pk:8/9/73 7243/F. Zubricky 7241/H. Wine 7242/R. Kravanya 7243/F. Dunn 7320/G. Speer 7322/J. Krudy 7430/T. Guzik 7430/C. Blaze 7450/F. Kuchta 7461/C. Skony 7514/J. Sikora

7300/A. B. Szuhai 7400/F. VanHoff 7500/L. R. Howe 7221/Official File Copy 1010/W. T. Olson



REPLY TO ATTN OF 7221

#### August 15, 1973

#### MEMORANDUM

TO: TID On-Site Building Managers and On-Site Committee Members

FROM: Manager/Technical Services On-Site Committee

SUBJECT: Status Report to Vice Chairman of the September Inspection Committee

There will be a meeting Thursday, at 1:30 P.M., in room 225 of the Administration Building. We would like to review all the inspection stops to determine if there are any problem areas. If you are unable to attend, please send an alternate.

Soneld L. Thurmer/rel

Donald L. Thoennes

Distribution:

7013/D. Prok 7110/G. Mahnke 7111/E. Botos 7211/H. Maslach 7212/N. Ricciardi 7222/B. Kluchnik 72301/J. MacLean 7231/L. Herman

cc: 7000/J. F. Connors 7100/J. C. Everett 7200/B. R. Harrison 1003/E. A. Richley

7221/DI/Thoennes:pk:8/15/73

8511/J. Jira 7243/F. Zubricky 7241/H. Wine 7242/R. Kravanya 7243/F. Dunn 7320/G. Speer 7514/J. Sikora

7300/A. B. Szuhai 7400/F. VanHoff 7500/L. R. Howe 7221/Official File Copy



August 16, 1973

REPLY TO ATTN OF: 1010

MEMORANDUM

TO: Organizers, Stops 1, 2, 5, 6, 8, 1973 Lewis Inspection
FROM: 1010/Director, Technology Utilization and Public Affairs
SUBJECT: Presentation on October 2, 1973

Please hold in abeyance for a possible presentation on October 2 between 2:30 - 4:30 p.m., all props and visual aids, etc. for your presentation :

- Stop 1 Quieting the Fleet 10 x 10 E. W. Conrad
- Stop 2 Cleaner Skies PSL 3 & 4 Robert E. Jones
- Stop 5 Space Electronics Technology EPL Edward Otto
- Stop 6 Energy for a Better Life ERB, Center Section Louis Rosenblum
- Stop 8 The Impact of Wear ERB, West Wing R. L. Johnson

Please have speakers on standby for presentation on that date. On October 3 and 4, the Lewis Research Center is hosting a Conference called, "International Conference on Solar Energy". About 100 scientists and managers, mostly from the United States and Canada are expected to attend. General Chairman is Frank Rom. Lewis coordinator is George M. Kaplan. Conference managers have invited "Early Birds" to tour Lewis on October 2, 2:30-4:30 p.m. If enough Early Birds want this tour, we will use Stops 1, 2, 5, 6, and 8. The writer will give the introductory remarks. Transportation will be provided by the Conference. Lewis will provide bus guides.

time to be to be the same ways

for a porsibly presentation on Detoint

, all proof and viguel sits, each the

Series 1 Million

the start of the and pring and the same the second of the there were the

and a terrar to reach the destablished to the second Martin Barran - Constant " ATV Birda" in the I wall and the

I was a subscription of all side with parts the parts

Land K. Too Tak a Research Course of the soundar's Contentions in Struct Court of the structure of a Structure Provide 102 of a structure of the Structure of Structure Courses and the structure of the struct

6.6

Walter T. Olson

2

cc: Stop 1 - E. W. Conrad Stop 2 - Robert E. Jones Stop 5 - Edward Otto Stop 6 - Louis Rosenblum Stop 8 - R. L. Johnson an Car Coldenar 2, 1973 1002/Mary Ruth Osgood V 1003/Edward Richley 1960/Jack Powell 5214/George M. Kaplan

1010:WT01son:kmb 8-16-73

.

Street and Lating the disectory

a sheet was a set

Ribert E. Jones

それらいたい日本でのテレン

READ 7 - LIND OF SHIES

E. W. Conreg

iter 5 - Tonor Electronits Technolicy

- and the for a batter bills

Least to Manual Land. 

HUD, TRACK WITH ST

1 Alebhanker

CONTRACTOR STOREST STOREST

ERS, Content Starlan