W. H. Hunter
4/3/53

LANGLEY LABORATORY INSPECTION

May 5, 7, 8, and 13, 1953

Aircraft Crash Fire Research

Order of Presentation

Sequence	Time sec	Item	Subject	Details
1		Talk	Introduction	
1a		Display	Instrumentation	Instrument box
2	16	Movie	Crash procedure	Y-2, release of airplane and run down
3	15	Movie	Crash procedure	High speed - thru barrier
4	20	Movie	Crash procedure	Front view of airplane during slide
5		Talk	Research approach	
6		Slide	Methods of fuel spillage	Broken fuel tanks
7		Slide	Methods of fuel spillage	Broken fuel lines
8		Slide	Methods of fuel spillage	Broken supercharger case
9	16	Movie	Fuel mist formation	Crash Y-6
10	19	Movie	Fuel mist formation	Crash Y-7
11	(35)	C-82 model	Mist movement to ignition source	
12	30	Movie	Mist movement to ignition source	Crash 10, left side
13		Demonstration	LVF story	Low volatility fuel (a) liquid state (b) mist form
14	(25)	C-82 model	LVF story	
15	52	Movie	LVF story	Crash 7
16	41	Movie	Duration of mist hazard	Rear view of crash
17		Talk	Liquid fuel spillage	
18	35	Movie	Liquid fuel spillage	Crash showing liquid spillage
19	(21)	C-82 model	Liquid fuel spillage	
20	36	Movie	Liquid fuel spillage	Crash 6

Sequence	Time	Item	Subject	Details
21		Talk	Wetting conduction spillage	
22	(15)	Demonstration	Wetting conduction spillage	
23	55	Movie	Wetting conduction spillage	Crash Y-8
24	(16)	Demonstration	Wetting conduction spillage	Wetting conduction interception
25		Talk	Lquid spillage open air	
26	36	Movie	Liquid spillage open air	Crash Y-5
27	39	Movie	Liquid spillage open air	Pan test
28		Talk	Liquid spillage open air	
29	46	Movie	Static elec. ignition	Crash Y-7
29a	50	Movie	Static elec. ignition	Ground test
30		Talk	Fuel vapor spillage	
31	(18)	C-82 model	Fuel vapor spillage	
32	20	Movie	Fuel vapor spillage	Crash X-2
33		Talk	Inerting system	
34		Slide	Inerting system	Inerting chart
35	30	Movie	Inerting system	Inerting tests
36	70	Movie	Inerting system	Crash Y-8
37		Talk	Jet crash fire problem	
37a		Movie	Jet crash fire problem	Pit tests
38	75	Movie	Jet crash fire problem	Crash T-1
39		Talk	Jet crash fire problem	
40	50 to 117	Movie	Jet crash fire problem	Crash T-2

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Mr Hunter
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April 9, 1953

Estimate for travel to Langley Inspection

		Transportation	Per Diem & Other exp	Total
April 22-23	Dress Rehearsal I. Pinkel M. Preston W. H. Hunter	$168.00	75.00	$243.00
May 3-9	1st week of show I. Pinkel M.Preston R. Loomis	$168.00	190.00	358.00
May 12-14	2nd week of show D. Black M. Preston R. Loomis	$168.00	90.00	258.00
			Total	859.00