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This document consists of 165 Pages.
Cy. 1 of 12 Series A

AN AERIAL SURVEY OF RADIOACTIVITY ASSOCIATED WITH ATOMIC ENERGY PLANTS

BY

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Chronology of Project Flights

Date	Duration Hours/Min	Purpose*	Limit of Return
		OAK RIDGE	
Nov. 17	2:30	a	0
20	1:30	a, b	0
30	3:00	b, c	0
Dec. 1	1:30	b, c	2 mi.
2	1:20	c	5 mi.
8	2:50	b, c, d	1.5 mi.
17	1:35	c, d	1.0 mi.
31	2:50	b, d	2.5 mi.
Jan. 6	4:00	c, d	3.0 mi.
7	4:00	c, d	
11	3:00	c, d	15.0 mi.
14	2:25	c, d, f	8.3 mi.
15	1:15	c, d	8.0 mi.
20	2:45	e	- - -
27	1:10	e	- - -
Feb. 1	2:00	e	- - -
2	1:40	e	- - -
3	1:55	e	- - -

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Date		Duration Hours/Min	Purpose*	Limit of Return
Feb.	7	2:00	e	- - -
	8	3:00	e	- - -
			HANFORD	
Mar.	2	2:00	d	- - -
	3	7:30	d, f	- - -
	4	2:30	d	2.0 mi.

a. Initial check of instruments to determine response in the undeveloped form in which the instruments were installed.

b. Check on progress of instrument development as performed from day to day in laboratory.

c. Comparison of limit (linear and vertical) of detection of instruments.

d. Measurement of dimensions of radioactive cloud. Determination of shape of cloud.

e. Obtain air samples and expose filters for filter efficiency research.

f. Expose filters for possible particulate contamination.

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Project Begun:	17 November 1948 at Oak Ridge, Tennessee
Project Completed:	16 March 1949 with conclusion of work at Hanford Works, Richland, Washington
Total Flight Time For Project Data:	58 hours

Here in outline form are some items of historical interest in connection with this project:

Personnel who regularly participated in project flights:

Technical Advisors:	Dr. Francis J. Davis and Paul W. Reinhardt of the Oak Ridge National Laboratory
Meteorological Research:	Paul A. Humphrey of the U.S. Weather Bureau
Air Force Flight Crew:	Jesse M. Walker, Capt., Aircraft Commander Robert L. Kane, 1st Lt., Co-pilot and Weather Officer William E. Harlan, 1st Lt., Project Officer Ned B. Walker, M/Sgt., Crew Chief All Air Force Personnel assigned to 2078th Air Weather Sq. (Spec) Fairfield Suisun AFB, California
[redacted] The Aircraft:	C-47 Ser. No. 44-77263

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