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To: J. G. Hoffman

From: Arthur Breslow

Subject: Radiation Monitoring and Itinerary

Enclosure: (A) Personal notes

1. On 16 July 1945 the radiation was noted for the purpose of the safety of the searchlight crew operating position L 7. ★

2. From 0530 until 0730 there were no readings on the Victoreen meter at L 7. However, by 0730 there were occasional kicks of the needle indicating falling particles from the cloud which had passed over head. The readings did not exceed .008 r/hr. }

3. At about 0730 I was asked to review all the data I had transmitted on the position of the cloud. After about five readings my radio failed. In order to complete their review without delay, I sped to the nearest radio at position L 8 using the carryall vehicle and leaving R. White and E. Rehn at the L 7 position. Up until that time there were no indications of any danger from radiation. Should I fail to make radio contact from L 8 I would have to proceed to the base camp. Therefore, I left the radiation meter with White and Rehn. In my haste I overlooked the possible need of my respirator. }

4. While proceeding to L 8 with all haste, I discovered on topping the mountain pass on highway 380, 10.4 miles East of Bingham, the valley below was covered with a strata of sand-like dust. The dust formed clouds below my position and in the direction of the highway and also to the Southwest. I immediately closed all the windows of the carryall and continued to L 8 breathing through a slice of bread when I failed to find my respirator. ★

5. On arriving at L 8, I completed transmission to our headquarters going via Post #2. The personnel at L 8 informed me that there was a danger of an immediate evacuation and the count was rising rapidly. Because of

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Classification changed to
by authority of the U.S. ERDA

Per DORIS H. BISHOP
(Person authorizing change in classification and date)

By [Signature] 3/5/77
(Signature of person making the change and date)

To: J. Grotzoffman

From: [unclear]

Subject: Radiation monitoring and timing

Enclosure: (a) Personal notes

1. On 16 July 1945 the radiation was noted for the purpose of the safety of the searchlight crew operating position L7.
2. From 0530 until 0730 there were readings on the Victoreen meter at L7. However by 0730 there were occasional spikes of the needle indicating falling particles from the cloud which had passed over head. The readings did not exceed

0.008 R/hr

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3. at about 0730 I was asked to repeat all the data I had transmitted on the position of the cloud. After about five readings my radio failed. In order to complete

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I asked to [unclear]

nearest radio at position L8 using the Comy all
vehicle and leaving " " and " " with at
the L7 position. Up until this time there were
no indications of any danger from radiation.
Should I fail to make radio contact from
L8 I would have to proceed to the base
camp. Therefore I left the radiation meter
with " " and " ". In my haste I
overlooked the possible need of a respirator.
4. In proceeding to L8 with all haste, I
discovered on tapping the mountain peak on
discovered on tapping the mountain peak on
Highway 380, 10.4 miles East of Bergham, that
the valley below was covered with
a strata of sand. The dust formed
clouds below my position and in the direction
of the highway, and also to the South West.
I immediately closed all the windows of the Comy. All
ed. Continued to L8 breathing through a
slice of bread.
slice of bread when I failed to find my
respirator.

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5. On arriving at L8, I completed my transmission to our headquarters relayed via Post #2. The personnel at L8 informed me that there was a danger of an immediate evacuation and the count was rising rapidly. Because of the rapid appearance of the radiation danger, I departed for the L7 position with all possible speed after advising headquarters that I was going to evacuate the L7 position. This seemed advisable as we were without communication.

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6. On arriving at L7 ~~the~~ preparations were made to evacuate the position. The equipment was secured and covered. The Victoreen meter was used all the way back to camp. The maximum reading was 2.0 R/hr at White Star Camp east of Bingham between 1030 and 1130 ~~about~~ hours. This information was given to the sergeant in charge of a small convoy at Bingham. It was later given to Lt. Hamplum near Post 2. No further monitoring was done for the 16th.

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7. On 17 July 1945 we departed to bring in the ^{trailer} ~~searchlight~~ ~~trailer~~ and ~~equipment~~ from ~~17 to Base Camp~~. Taking advantage of the trip, I monitored the highway from the junction of Broadway and Highway 380 to the top of the mountain pass on 380. All readings were made in the car and an experiment showed that the readings were the same in the car and off the road. The instrument used was a Wattle meter.

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Time 0945 to 1045 hrs

Reading in R/hr

July 17
 Distance from Broadway and Hwy 380 East
 0 - 17 miles
 17 - 20 " (Binghorn)
 20 - 22.5 "
 22.5 - 23.8 "
 23.8 - 26 " (Whitaker Stone)
 26 - 28.5 "
 28.5 - 30.4 "

.06 - .08
 .08 - .10
 .10 - .095
 .095 - .090 - .10
 .10 - .22
 .22 - .10
 .10 - .03

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On the return trip the following readings were taken

Place	Time	Reading in R/hr
White Star	1330	.15 R/hr
Bingham	1345	.092 R/hr

Richard B. Baker

Enclosure (4) *with original*
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cc BAB

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