

It is time to send you the news from the front lines. I arrived at Eniwetok on Saturday the 20th after the usual 16 hours in bucket seats, preceded by two full days in Honolulu. It then accend that if I were to see all the instrumentation, I should head for Bikini before the next shot got the area all hot again, so there I went. Even at that, the radiation level at George was 500-800 mr/hr on March 25 with spots over 1000.

The story on contamination is in some respects worse than the public ¹ announcement by the AEC would imply. My source (Col. Cilbert) says that matives at Rongelap got doses somewhere in the range 70-200 R, that same have beta ray burns and lesions and are losing hair, but that their blood counts have leveled off. He believed that there would be at least one death, of an old person already dying of half the tropical diseases in the book. I gather that the command was fooled by the large yield (14-15 MT) combined with wind ahears and shifts not expected. As a result there has been postponement after postponement of Romeo, which only Saturday went off. There are also changes in schedule of which you should know.

As to schedule: Col. Gilbert said yesterday that plans are to have a shot ready at all times at each atoll, and to fire either as weather permits. Noon is practically ready nor on hminman Island. Echo will be gotten ready to go not earlier than April 100 The following Bikini shot would be Union, at its originally desinated spot in the lagoon off George, not in the Brave crater. Nothing was said about Yankee. Winds have been generally strong and from the east; such wind would favor the Lniwetok shots. I also understand that in any case this show will close by June 10 /

For special word for various people. For Tom Cook: I have seen no figure on contamination that anywhere near compares with the figure from IVY Mike of 100 L/hr at 1 hour 10 miles upwind. Where was this measured and when? I am enclosing the pre-Romeo rad safe map for your information.

For Bill Perret: I have had a chance to fly around the Bravo crater. The islands marrby are of course stripped clean except for a bunker on Charlie. The reaf has been thoroughly secured to where instead of being the normal dark color of coral rock it is a bright orange. The crater breeched the reaf into the lapoon. Vaile took soundings from a DONN at plus 8 days and thus has three profiles of the area. Each profile starts down at the edge but shows a flat bottom

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HEADQUARTERS TASK GROUP 7.1 JOINT TABK FORCE BEVEN APO 187 (HOW), % POSTMASTER BAN FRANCISCO, CALIFORNIA



100 feet deep all across the floor of the orater. Hear the edge of this flat there was a double return, the second return being a continuation downward of the rises. Projecting these profiles down to the center and back out to the surface we get a diameter of 6000 ft. and a depth of 180 ft. I ended up with doubt whether the flat bottom was real or just the distance to which fine suspended particles had settled, for Hr. Curran, the Hold chief surveyor commented that load line soundings in the center had your down below 200 feet.

For Jim Shreve and Luke Vortman: With Larry Swift I have been over to see the 3.1 oubiole on Uncle. It looks good; the gauges are well mounted and fortunctely on the Jandward end of the cubicle. Free air measurements include q necessaries as well as ground baffle gauges and the two ten foot tower arrays of baffled gauges. The ground in front of the oubicle is as smooth as can be expected, but behind is not as good as I would have liked to see it. The edge of the island cuts across diagonally in front of the structure with a 2-3 ft. declivity to high tide level... Because it now looks as if Union will be burst at Eniwetok, Swift and I considered the proposition of instrumenting the S.1.1. building after all, but decided against it, at least between ourselves.

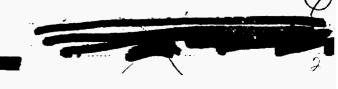
General comments for anyone: On Brave the gauges on Fox-George were activated. Pressures were about 3 psi, clean waves slightly rounded at the peaks. Trees and junche on the Log-George string suffered severe damage. On Log just a few bedreggled palms are left. On Fox the underbrush is all blackened and gone, the trees much the worse for wear. On Uncle trees not scorched, but a considerable amount of wind throw. Carps on Fox-George flattened and burnt to the ground, very probably from secondary fires. Camp on Tare damaged, many tents collepsed, some tornt, mers hall caved in, but more rugged buildings still standing. Three pressure reported 1.6 psi. Two simplants were in delivery position, a B-36 and a B-47. The 5-17 escaped clean, but the B-35 was damaged, slthough not so bad but what it flew back to Sniwetok and Landed. The B-36 was at 50,000 ft. altitude, range I don't kawa, tail-on position. Little thermal damage, rubber scorched inside blisters just forward of the tail, and blisters on the trailing edges of the wings. Considerable blast damage, in particular to the boak bay doors. I understand the same plane was to be run in closer on todays shot.

East instrumentation has worked fairly well, so that I have a variety of preliminary data to send you:

Proi. 1.2b (ERL) Shot Bravo

Station	Range	Pos Pressure	% Gauge Rating	
	f t.	psi		
122.06	6260	235	157	
122.07	7100	185	123	
122.08	7517	116	230	
123.02	12871	30	120	
123.03	1592-	18.5	74	
123.09	40531	4.5	90	

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TASK GROUP 7.1 JOINT TASK FORCE SEVEN APO 187 (HOW), % POSTMASTER SAN FRANCISCO, CALIFORNIA

Prof. 1.2a (SC) Shot Bravo

leland	Station	Fante	Pos.Press.	heg.Press	Time Arrival	Pos. Phase	Tog. Pileo
Fox	120.01	47720	3.35	•75	26.16	9.50	51
ior	120.02	49595	5.35	.50	28.81	11.50	30
Fox	120.03	50415	3.10	.70	30.40	9,60	51
Fox	120.04	52610	2.86	. 69	52.07	9.83	32
George	120.05	54970	2.89	.61	84.03	10.05	81
George	120.23	54175	3.05	.40	33.36	11.64	30

Microbarograph from Bravo you have.

Proj. 1.28 (SC) Shot Komeo

Station	Range	Pos. Press.	Time. Arrival	
120.01	47788	2.81	29.38	-
120.02	45595	2.80	30.04	
120.03	50414	2.53	31.65	
120.04	52611	2.49	33.85	
120.05	54972	2.21	85.33	
120.23	54174	2.33	54.64	
FP	54196	2.55	₹- 1 +63	

Proj. 17.1 (Microberogreph) Shot Romeo

Station	Rango	Pos. Press.ib	Arr.Time(250)	FosLur(SLC)	LegDur(sec)
Curties .	195,000 ft	16.6-21.1	154	17	S1+5
Perry	172 rile	4			52
Glenn		\$			63
					41.8
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That is all the gossip for today. If there are any particular things that someone wants looked into, lot them send the word. In the meantime I would like to be kept posted on affairs at Sandia and in the city, particularly the results of the elections and in the political maneuverings prior to the elections.

Lest minute works long of the islands in Eikini are any hotter now than before homeo and they already have sent working parties in. Practically no fallout on however, hajor damage to bomb bays on 5-36; h-47 again unscathed.

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