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INTER-OFFICE MEMORANDUM

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A-85-012

5-7

DATE September 23, 1947

TO: E. R. Jette
FROM: I. B. Venable
SUBJECT: Supplemental Monthly Report of Production Data from D. P. West for Period August 20, 1947 through September 20, 1947.
Symbol: LAB CMR-11

1. Material Control

II-1

	<u>Hanford Lots</u>	<u>Empty Containers</u>
	Received August 20 - 62	Returned August 26 - 89
	Uncut lots OH - 5	
	Due September 26 - 76	OH September 20 - 92
	Uncut lots OH	Will return Oct. 2 - 120
	September 20 - 10	

2. Bomb Decontamination

	<u>Number Cleaned</u>	<u>Number Monitored</u>	<u>Number Cold</u>	<u>Percent Cold</u>
Plugs	256	232	186	80
Bombs	215	209	129	62

3. Recovery

Approximately 1590 liters of oxalate supernatant were received from Purification. This was concentrated to four liters containing 22.5 grams of plutonium and stored. One simulated Hanford batch containing 163.75 grams of plutonium recovered from a supernatant storage tank was sent to purification.

4. Purification

Fifty-seven Hanford lots were processed.
Six skull recovery lots were processed.

5. Dry Chemistry

Fifty-eight oxalate lots* were processed with an average conversion to fluoride of 94.4%.

PUBLICLY RELEASABLE
LANL Classification Group
AR 6/25/96

* This includes six skull recovery batches.

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Classification changed to:
By authority of: *LA-4027, Nov 7*
By: *J. M. Bopp TSM 155-16, 1/25/96*
Verified by: *E. M. Caldwell, G4 P35-16, 6/25/96*
Form (Signatures) (date)

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6. Reduction

<u>Reduction Series</u>	<u>Number of Reductions</u>	<u>Charge (Gms)</u>	<u>Metal (Gms.)</u>	<u>Average Yield</u>
A	5	2386.96	2306.64	96.63
X	<u>19</u>	<u>8478.33</u>	<u>8258.01</u>	<u>97.45</u>
	24	10,865.29	10,564.65	97.28

7. Metal Fabrication

1. Gallium Inventory ** (In grams)

<u>OH Aug. 20</u>	<u>Rec'd</u>	<u>Used</u>	<u>OH Sept. 20</u>
19,904	E + A - 1073	2	29504
	G E - 8529		

2. See attached table.

IBV/db

I. B. Venable
I. B. Venable

** Warehouse inventory (Does not include "In Process" quantities)

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Summary of Fabrication Operation

August 20th to Sept. 20th

	Type	Castings	Parts Machined	Parts Pressed	Parts Cleaned	Parts Coated	Parts Given Final Inspection	Finished Cores Given Final Inspection
On Hand	M III	0	0	0	0	0	0	0
	M IV	1	1	1	0	1	0	0
First	R	4	1	2	1	3	0	-
of Period	Spec	0	0	0	0	0	0	-
<hr/>								
Number of	M III	0	0	0	0	0	0	0
New Parts	M IV	6	4	4	4	4	6	3
Worked	R	0	4	4	4	4	3	-
on	Spec	0	0	1-a	1-a,1-b	1-a,1-b	0	-
During Period								
<hr/>								
Number of	M III	0	0	0	0	0	0	0
Parts on	M IV	2	0	1	1	0	0	0
Hand at	R	0	0	0	0	8	0	-
End of Period	Spec	0	0	0	0	1-a,1-b	0	-

- (a) Returned Mark IV Hemisphere from M Division that was repressed, recleaned and recoated
- (b) Returned Mark IV hemisphere from M Division that was stripped, recoated, and sanded flat.

Summary:

- 1) Three Mark IV gadgets sent out.
- 2) Two hemispheres cast, but not machined
- 3) One hemisphere, pressed, but not cleaned.
- 4) One hemisphere cleaned, but not coated.

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