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E.O. 12958, Sec. 3.6

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NU 972006A  
By DM/LR Date 7/22/05

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UNIVERSITY OF CALIFORNIA

Radiation Laboratory  
P. O. Box 808  
Livermore, California  
7 July 1955

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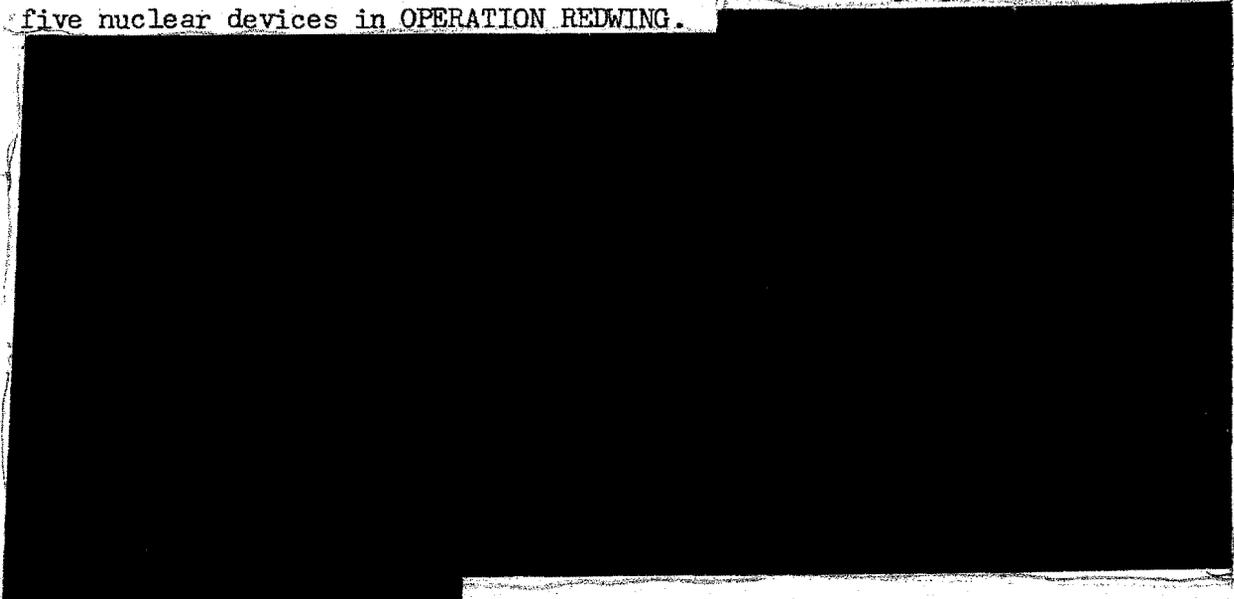
Col. Alfred D. Starbird, Director  
Division of Military Application  
U. S. Atomic Energy Commission  
1901 Constitution Avenue  
Washington 25, D.C.

THROUGH: H. A. Fidler, Manager  
San Francisco Operations Office, AEC

Dear Colonel Starbird:

You will find below a preliminary discussion of the University of California Radiation Laboratory plans for Operation Redwing. The general outline of these plans is firm, but some changes in detail must be expected. No summary of special nuclear material requirements is possible at this time.

The UNIVERSITY OF CALIFORNIA RADIATION LABORATORY proposes to detonate five nuclear devices in OPERATION REDWING.



CLASSIFICATION CANCELLED  
OR CHANGED TO S/AD  
BY AUTHORITY OF Class. Executive 4-2-73  
BY WChubert 9-26-73

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DOE ORDER 5650-2B

WChubert  
05/25/95

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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW DATE: <u>12/04/02</u>	DETERMINATION (CIRCLE NUMBER(S))
AUTHORITY: <u>DAOC (A) DC (A) DD</u>	<input checked="" type="radio"/> 1 CLASSIFICATION RETAINED
NAME: <u>Billy A. Dennis</u>	<input type="radio"/> 2 CLASSIFICATION CHANGED TO
2ND REVIEW DATE: <u>10/24/02</u>	<input type="radio"/> 3 CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: <u>ADD</u>	<input type="radio"/> 4 COORDINATE WITH:
NAME: <u>[Signature]</u>	<input type="radio"/> 5 CLASSIFICATION CANCELLED
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	<input type="radio"/> 7 OTHER (SPECIFY)

Robert W. Hughes  
J24-10A  
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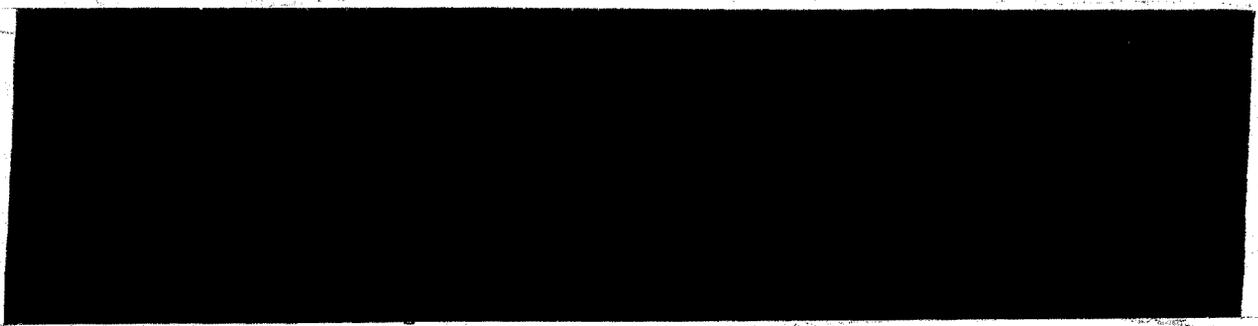
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Page two  
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2. Operation.



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3. Dimensions.



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4. Discussion

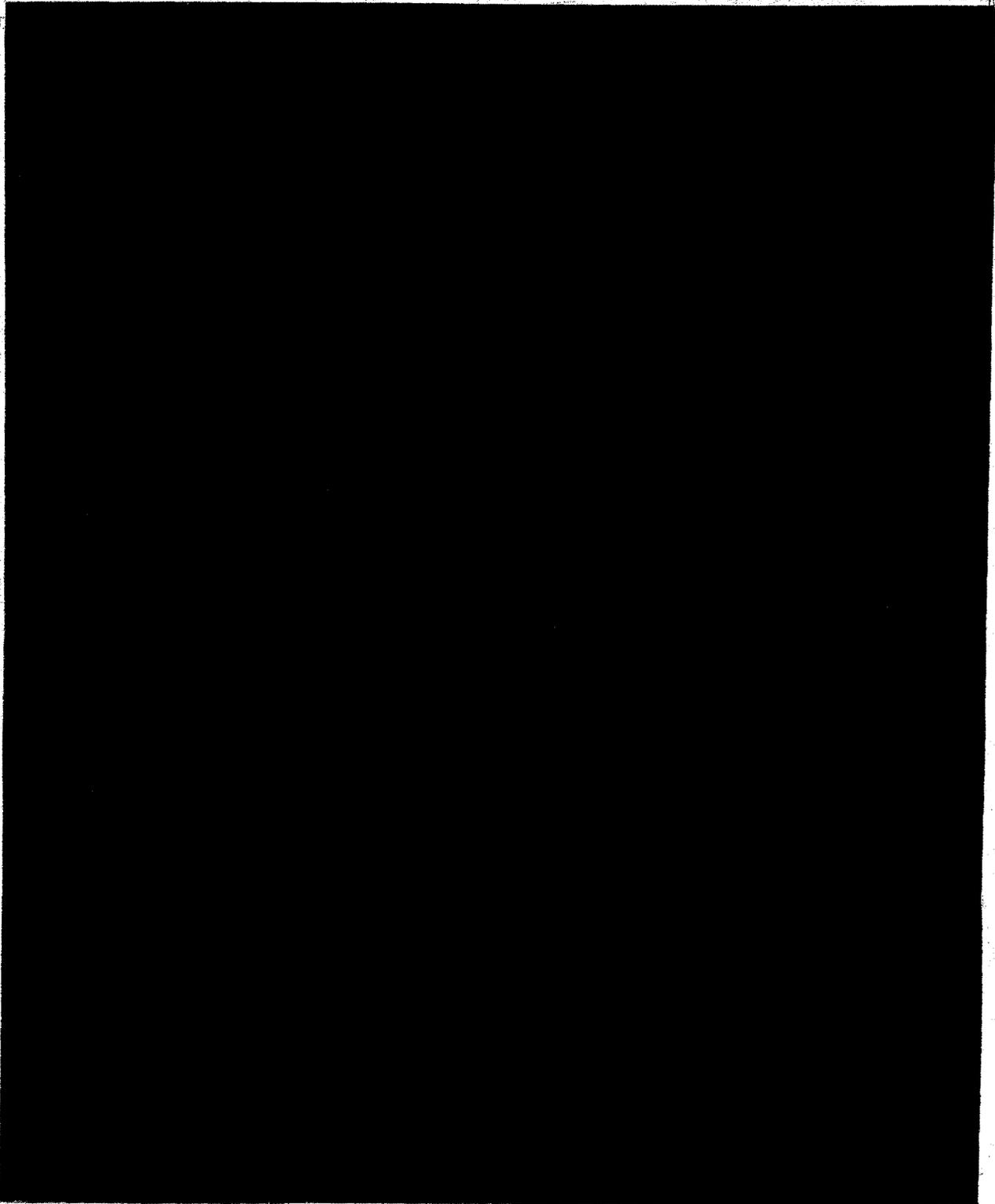


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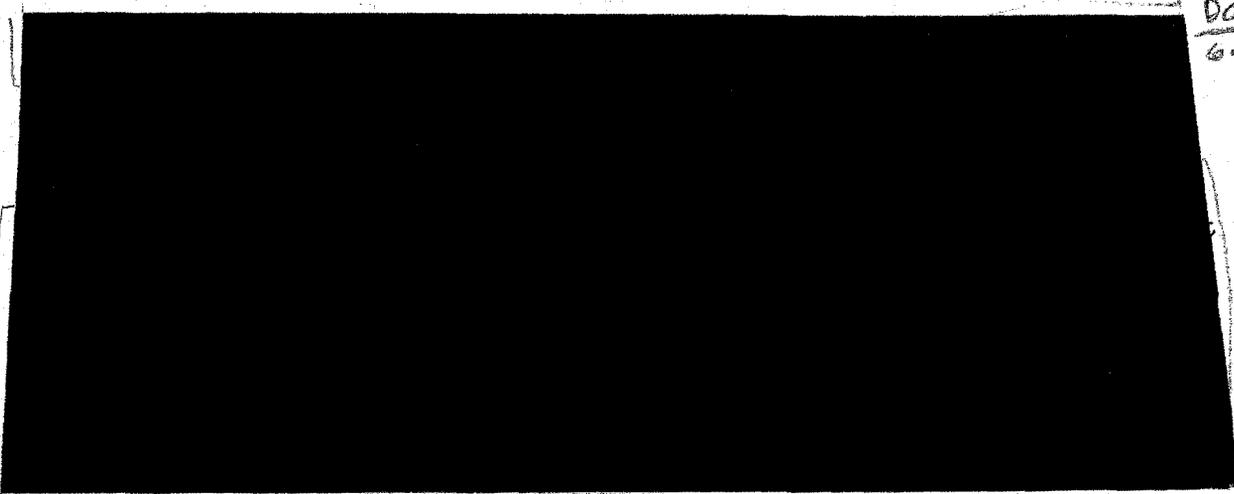
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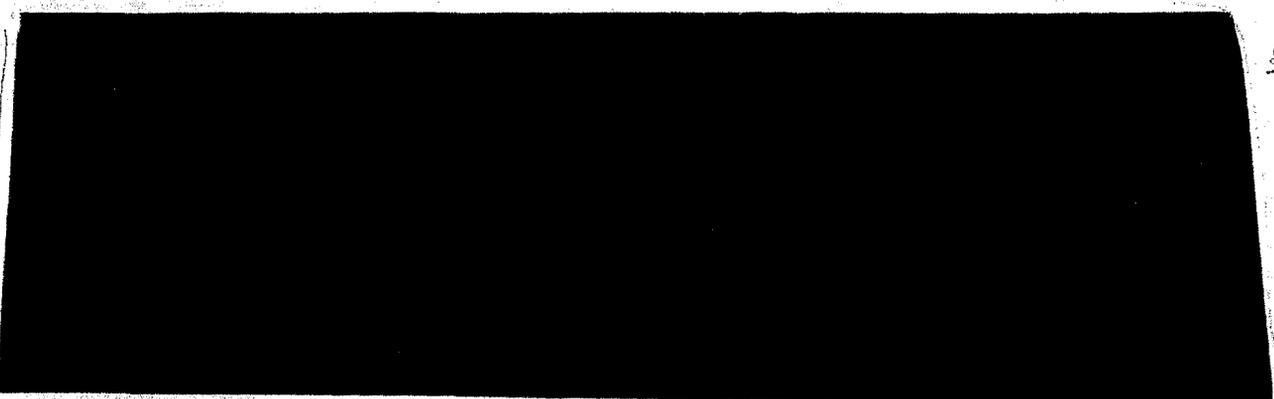
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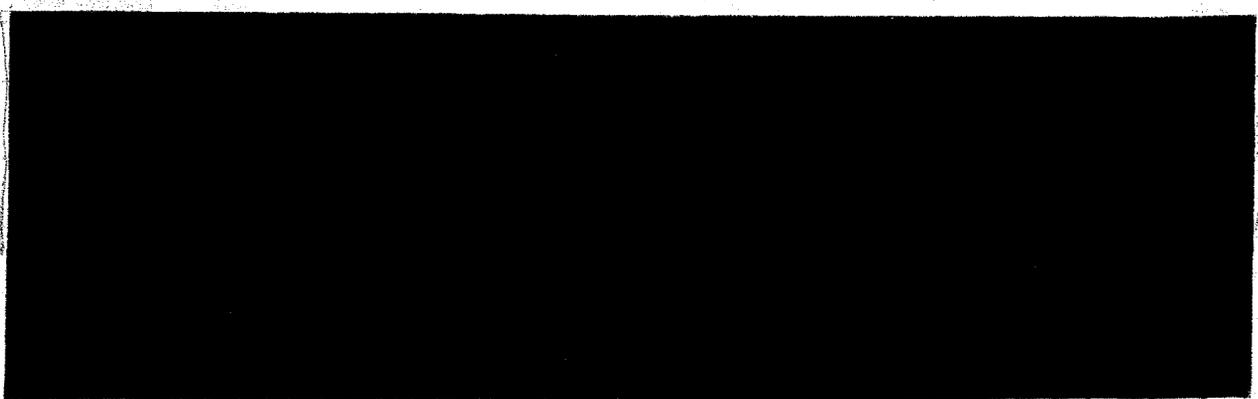
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7. Test Alternates.



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8. Difficulties.



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[REDACTED]

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9. Shot Plans.

[REDACTED]

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[REDACTED]

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1. Components and Operation.

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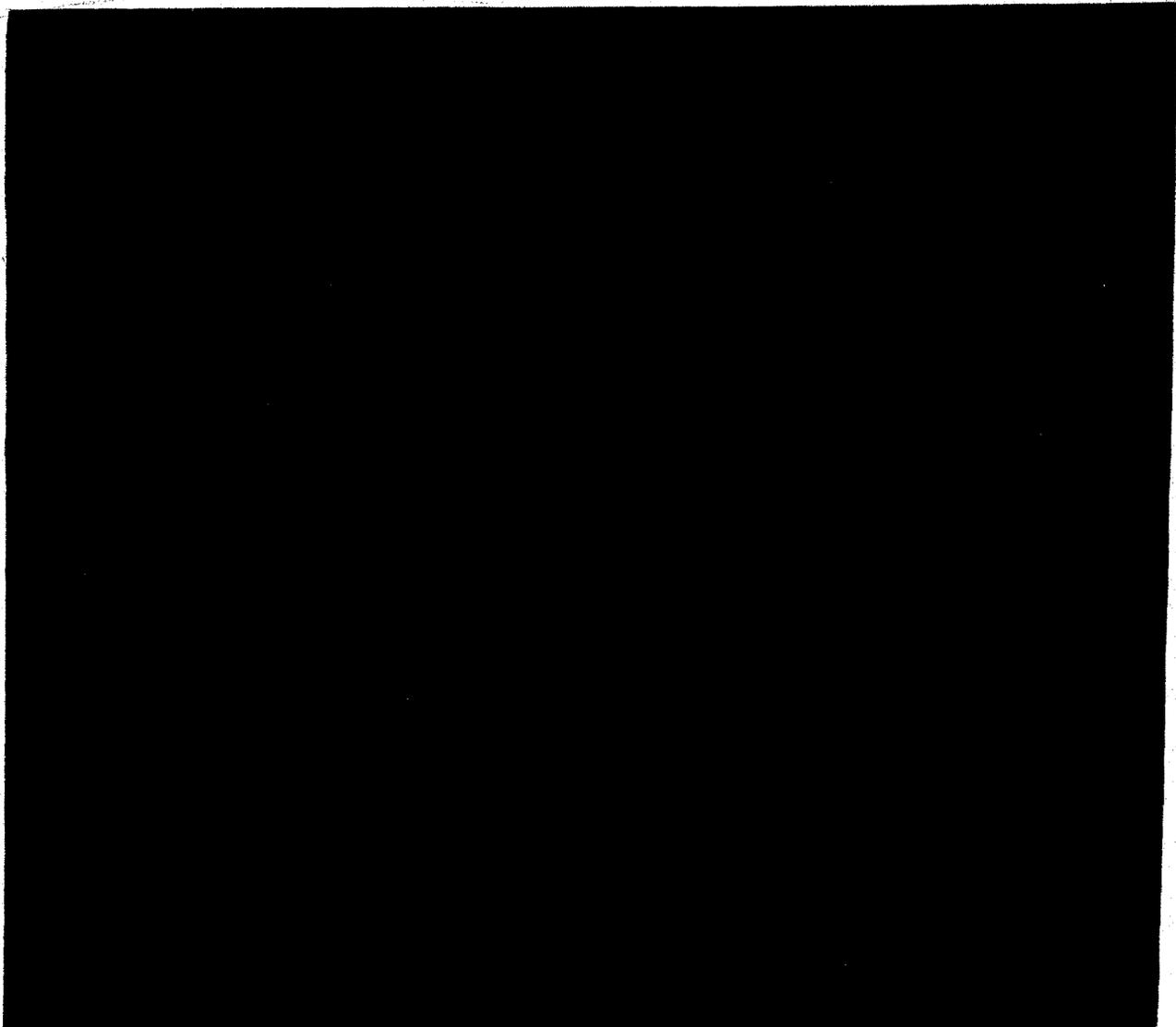
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2. Discussion.

This bomb represents the first effort on the part of UCRL to carry through weapon design to the stockpile. Although this is a conventional activity, it is new to the Radiation Laboratory. In this connection, the Sandia Corporation has been very generous and extended substantial and extremely welcome help to the Laboratory. This development carries number one priority in the large weapons effort of the Laboratory.



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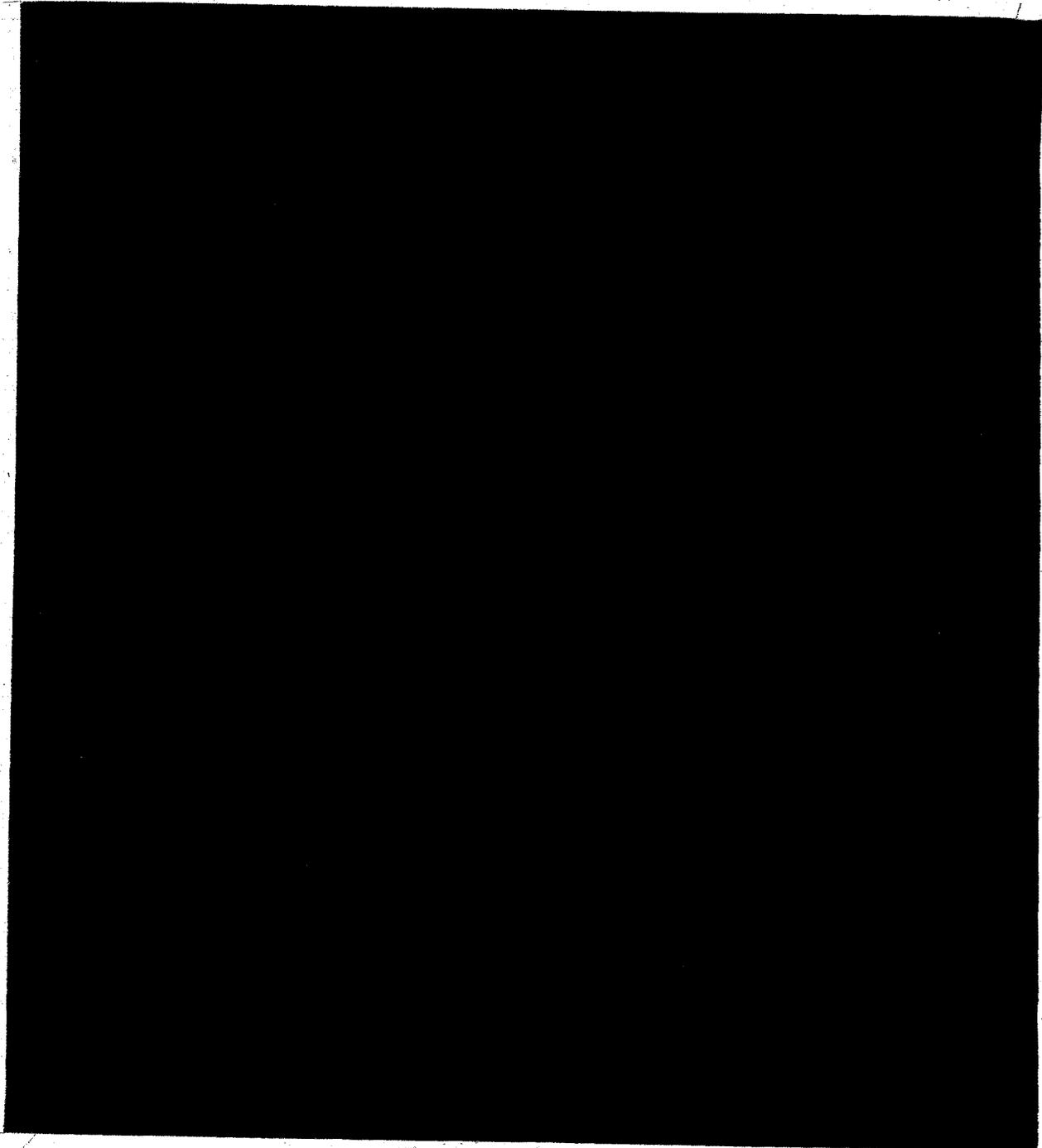
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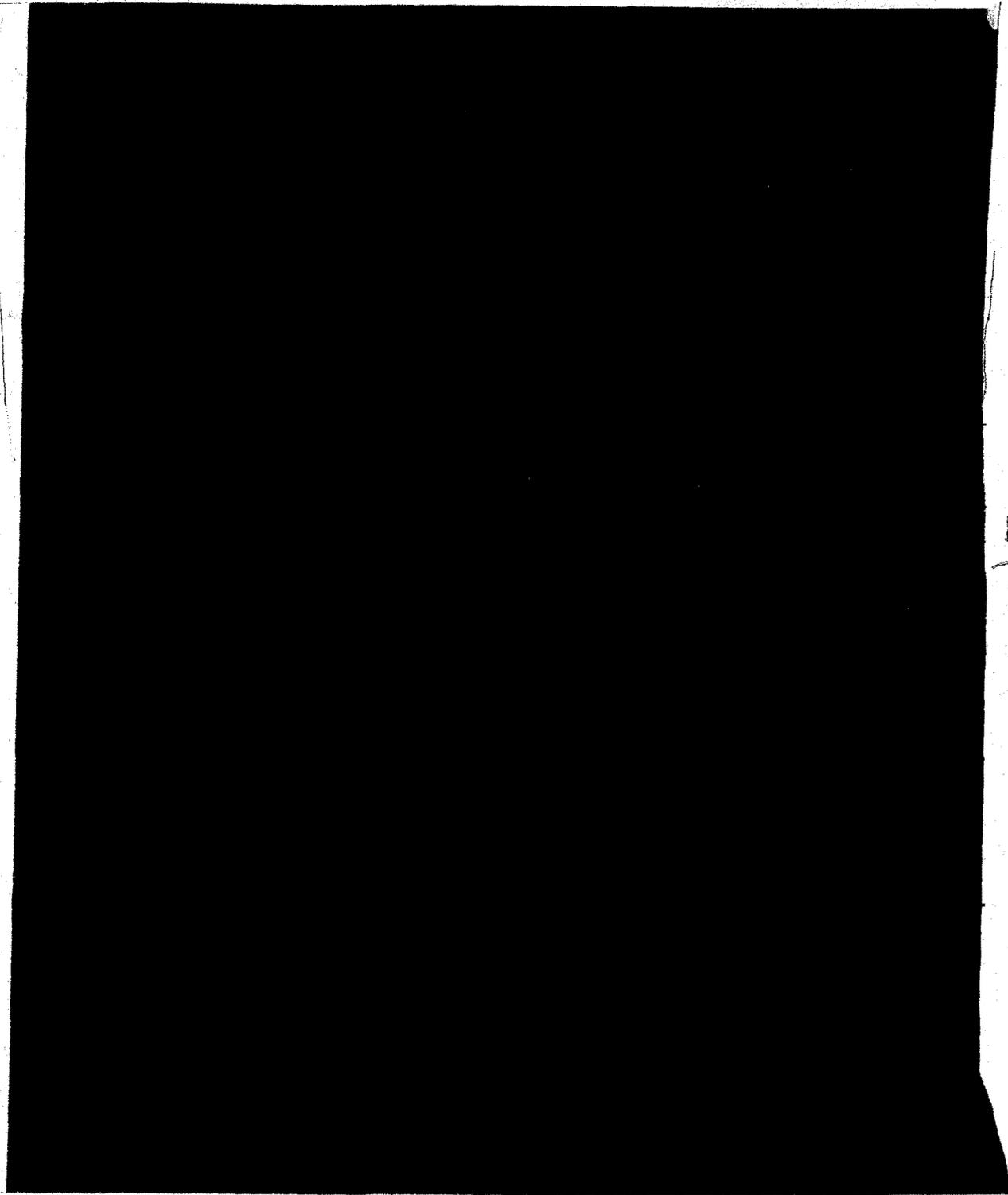
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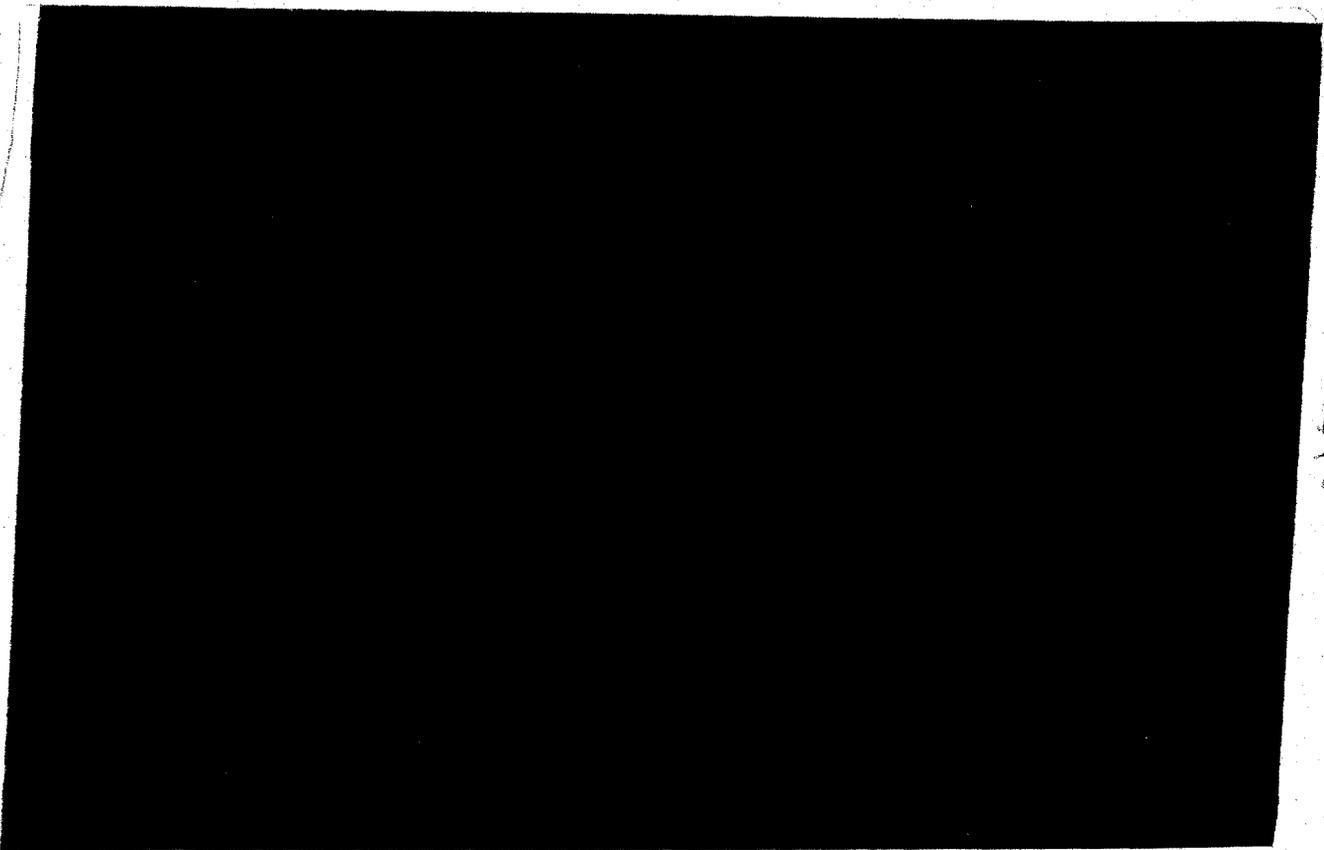


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Sincerely,

*Mark M. Mills*

MARK M. MILLS  
Acting Director  
UCRL-Livermore

Distribution:

- Cys. 1 to 15 - Col. A. D. Starbird
- 16 - Col. D. J. Leehey
- 17 - Dr. A. C. Graves
- 18 - Dr. N. E. Bradbury
- 19 - Dr. H. A. Fidler
- 20 - Dr. E. O. Lawrence - Info. W.B. Reynolds
- 21 - Dr. H. F. York

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By *DM LTR* Date *7/22/05*

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