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Livermore, California 94550

SAB200087590000

To: A. Lucero, 7141

SPECIAL ACCESS REQUIRED

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 2-28-96	DETERMINATION (CIRCLE NUMBER(S))
AUTHORITY: ☐ AOC ☐ ADC ☒ ADD	1. CLASSIFICATION RETAINED
NAME: RH Smiley	2. CLASSIFICATION CHANGED TO:
2ND REVIEW-DATE: 4/13/05	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH:
NAME: Nancy Connelly	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY): 78pp Excl

[illegible] 5/8/05

* DOD concurs with DOE brackets per 2/1/05 ltr and added some.

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~~THIS DOCUMENT CONSISTS OF 78 PAGES~~
COPY 3 OF 7, SERIES A

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DOE TRI-LAB EPW COUNTERMEASURES WORKING GROUP

Contributors: Sandia National Laboratories
Los Alamos National Laboratory
Lawrence Livermore National Laboratory

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Classified by K. D. Nokes Org. 5161
Title Supv. Phase 1 & 2 Div. Date 8/4/87

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EPW COUNTERMEASURES WORKING GROUP

* SCOPE:

- PROVIDE A VEHICLE FOR THE COORDINATION OF DOE ANALYTICAL AND EXPERIMENTAL INVESTIGATIONS OF EPW COUNTERMEASURES
- PROVIDE AN INDEPENDENT FORUM TO CRITICALLY REVIEW ANALYSIS AND/OR EXPERIMENTS OF COUNTERMEASURES
- INDEPENDENTLY SUPPORT EPW DEVELOPMENT STUDIES
- RED TEAM ACTIVITIES

* DURATION:

- ONGOING STUDY
- THROUGH PHASE 3

EPW COUNTERMEASURES WORKING GROUP

* MEMBERSHIP:

- REPRESENTATIVES FROM EACH DOE ORANIZATION WHO DON'T HAVE A VESTED INTEREST IN EPW
- DOE REPRESENTATIVES FROM THE HTK/EPW STUDY GROUP

EPW COUNTERMEASURES

EPW COUNTERMEASURES: DEFINITION OF TERMS

TYPE:

Passive: Countermeasures that require no active detection of or response to an EPW penetration.

Active: Countermeasures that require an active response upon detection of an EPW penetration.

Non-specific: Countermeasures not specifically aimed at EPWs, but serve a more general role in tactical and strategic defense.

STATUS:

Current: Currently being investigated by the EPW Countermeasures Working Group.

Open: Not currently being investigated by the EPW Countermeasures Working Group.

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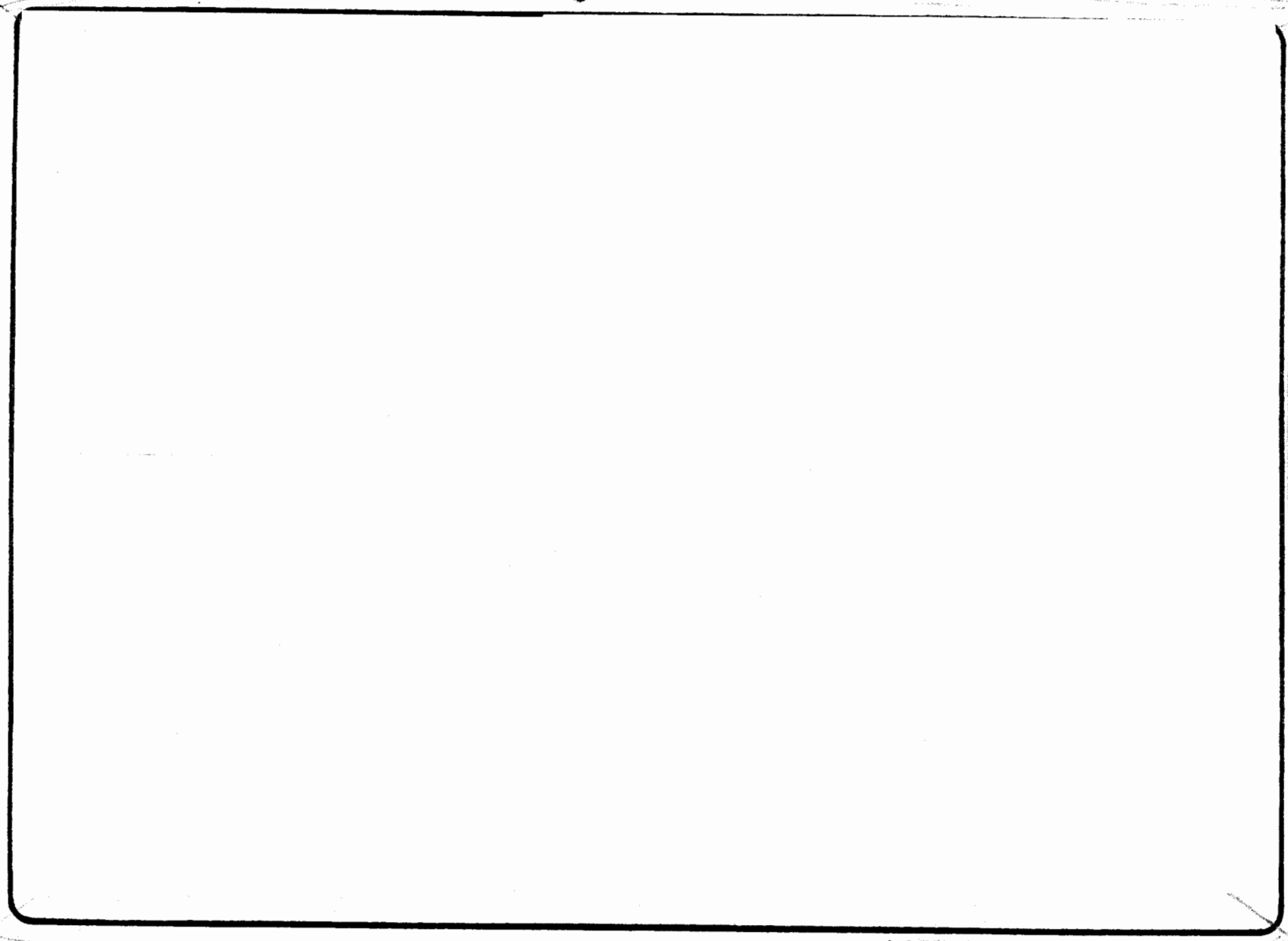

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Results of Sandia Penetrator Tests

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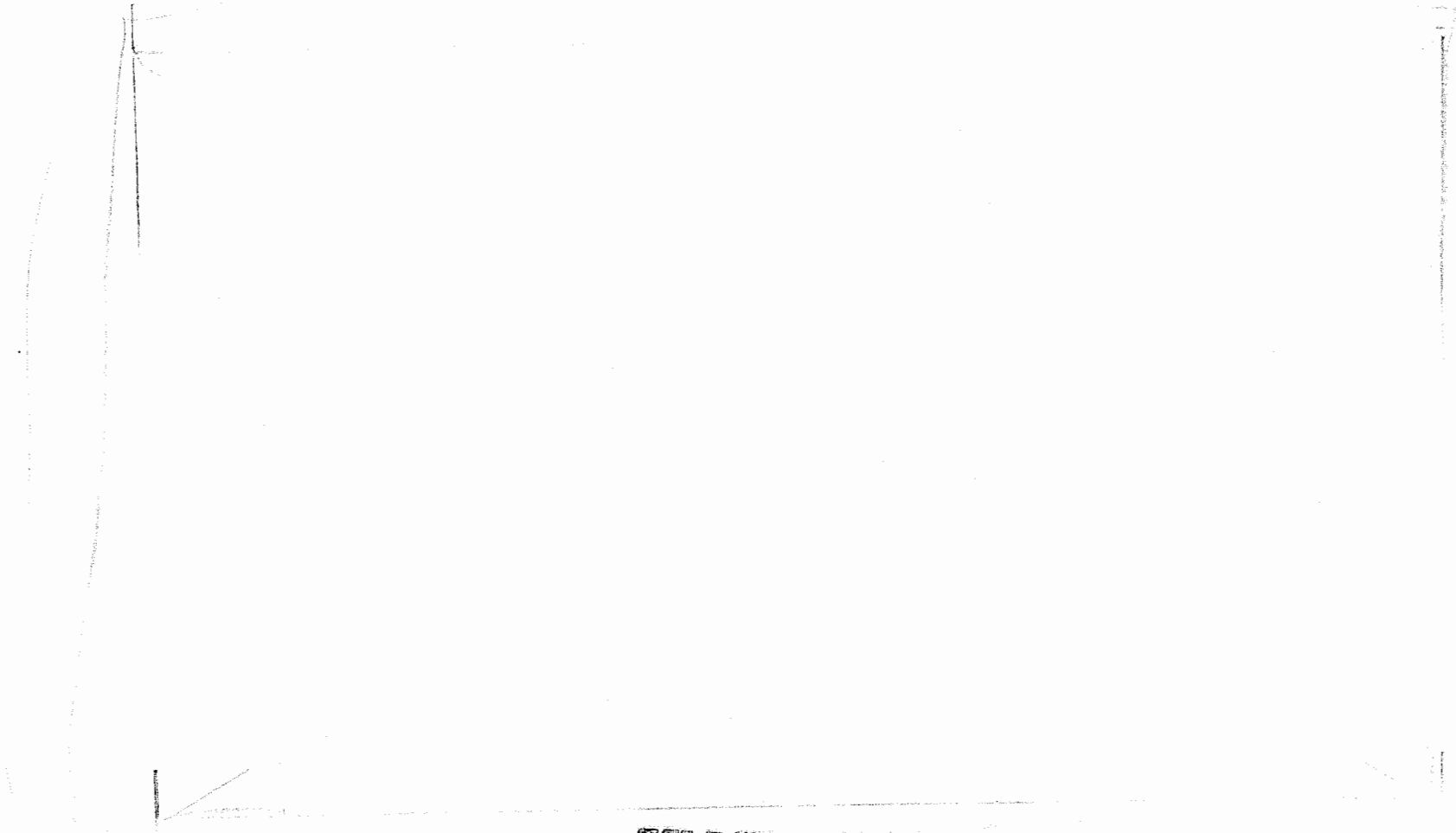

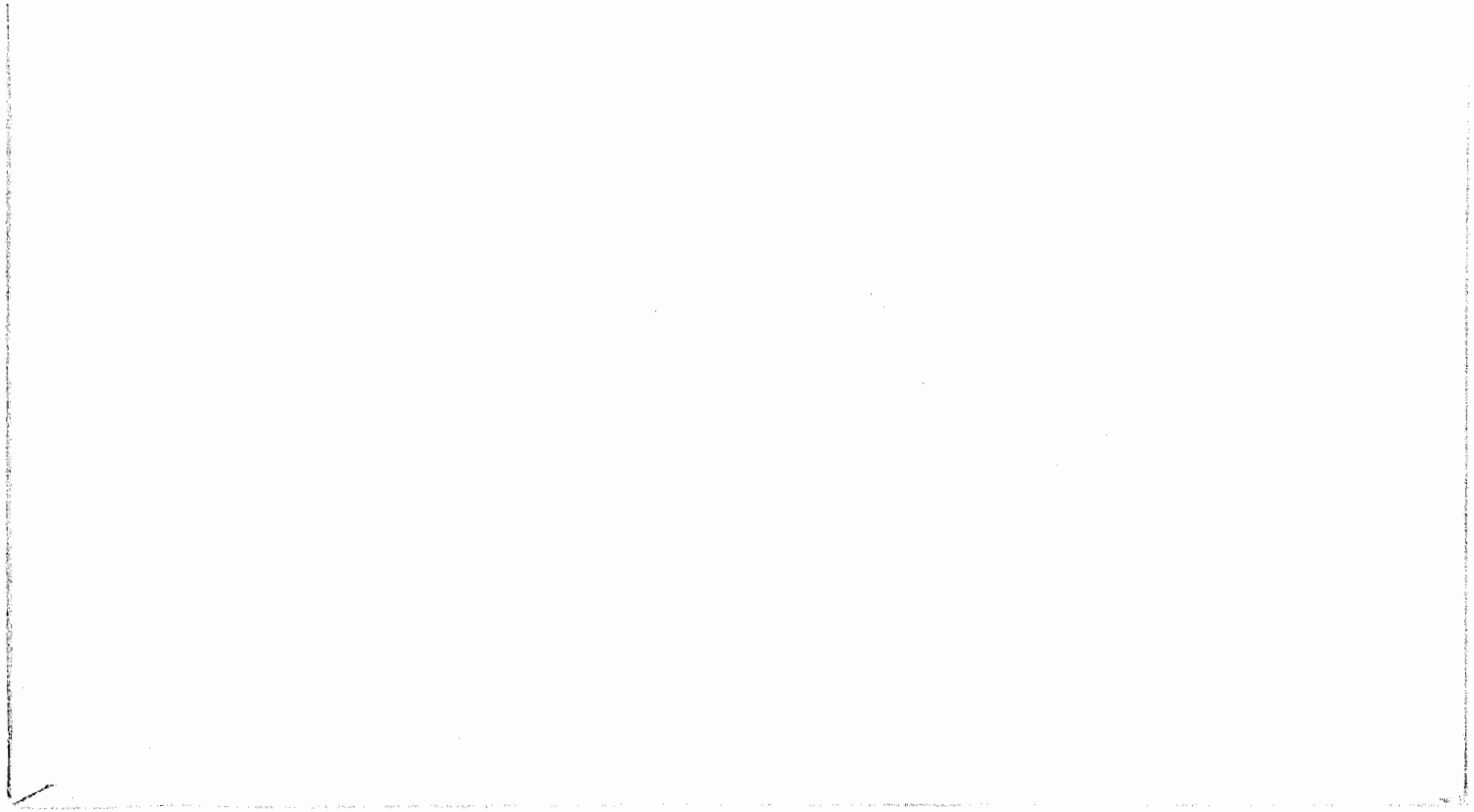

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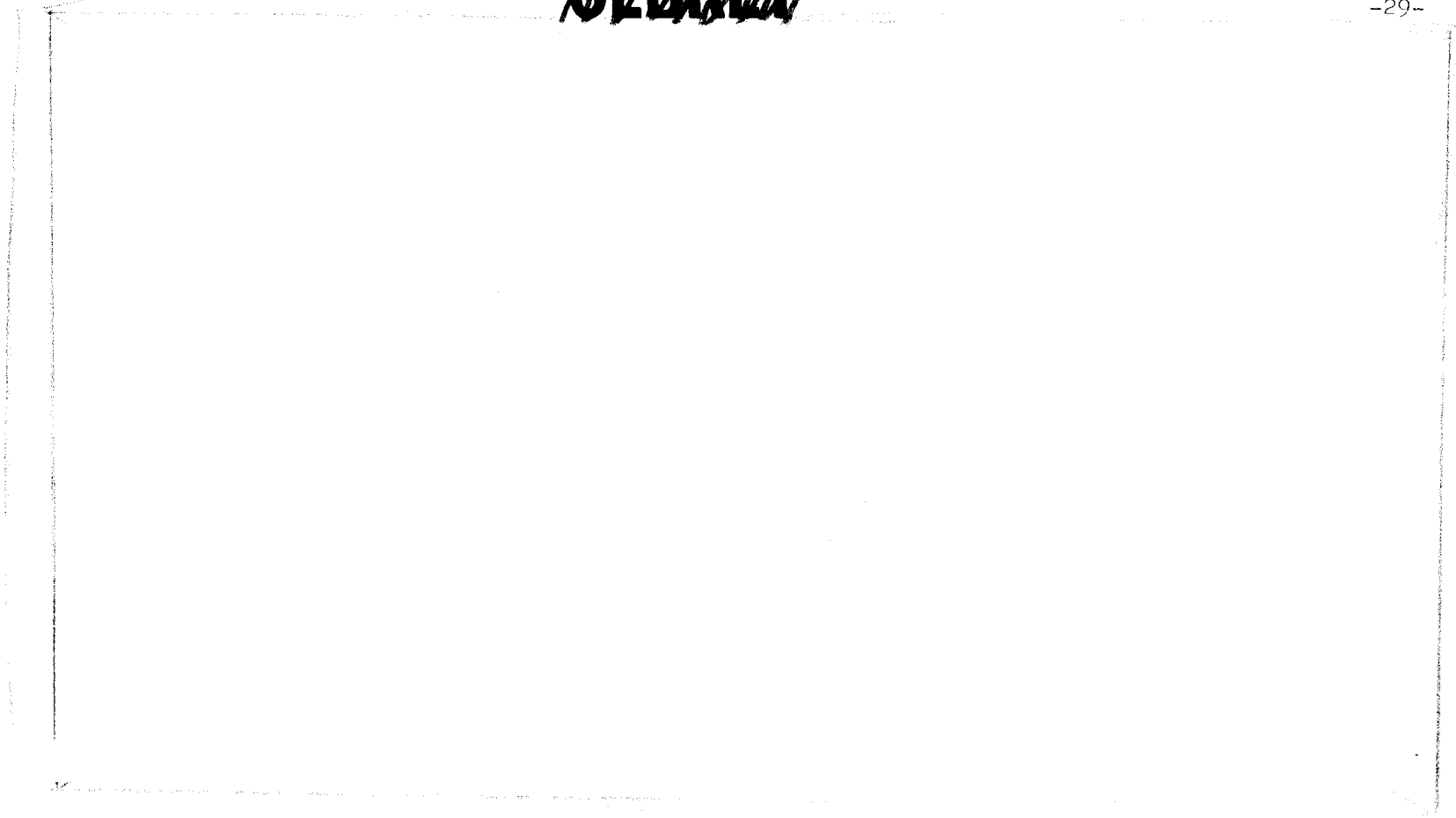

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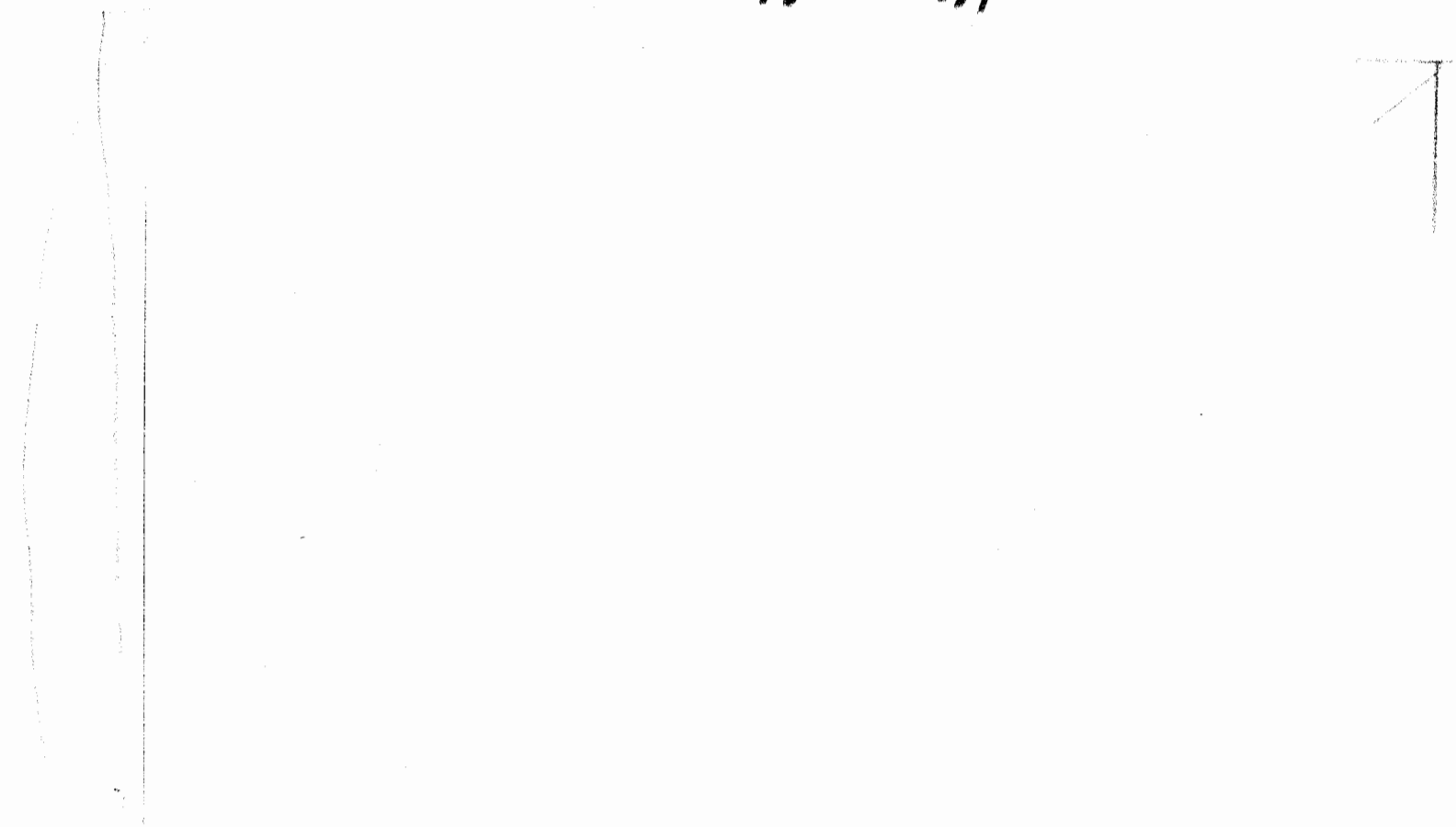

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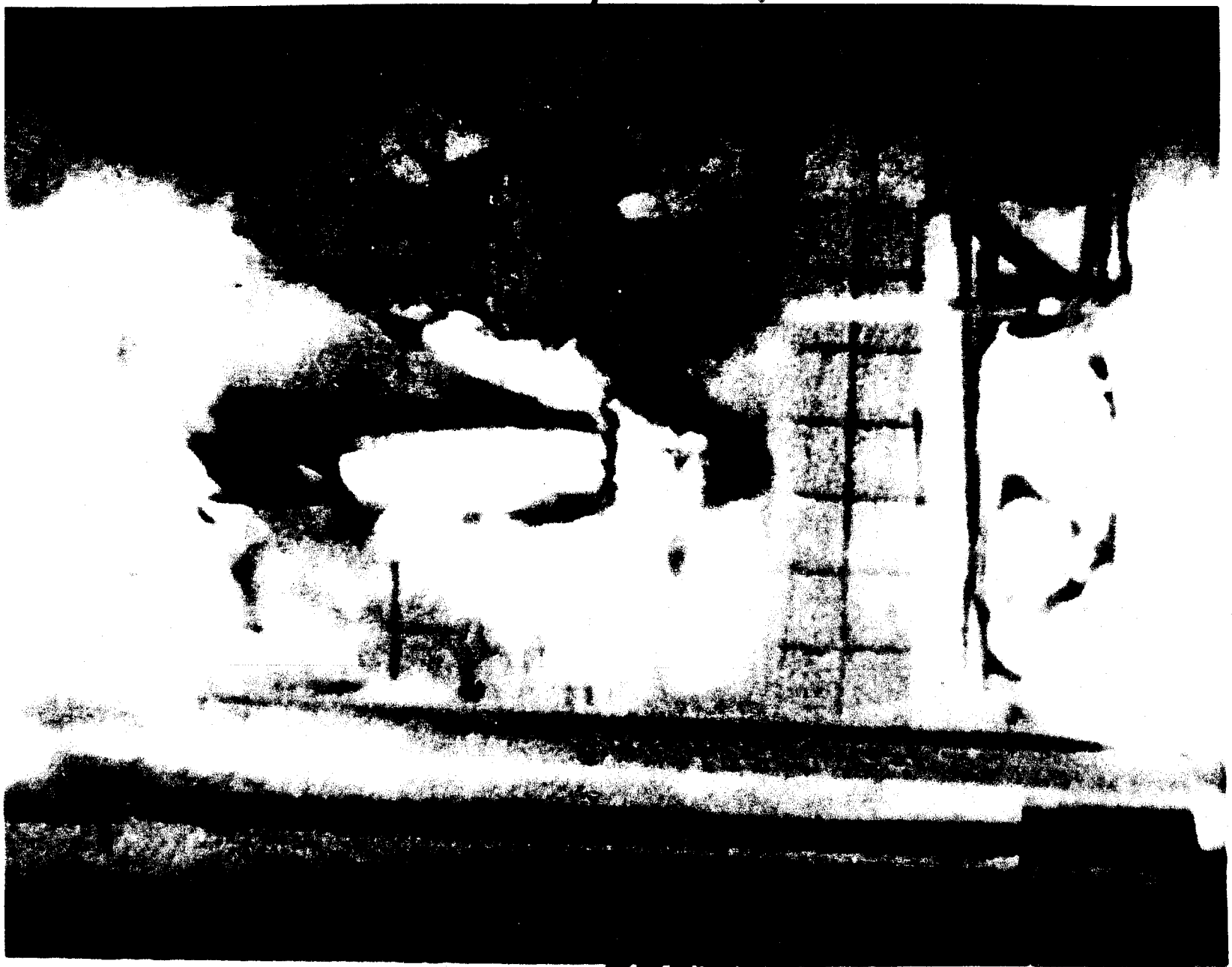

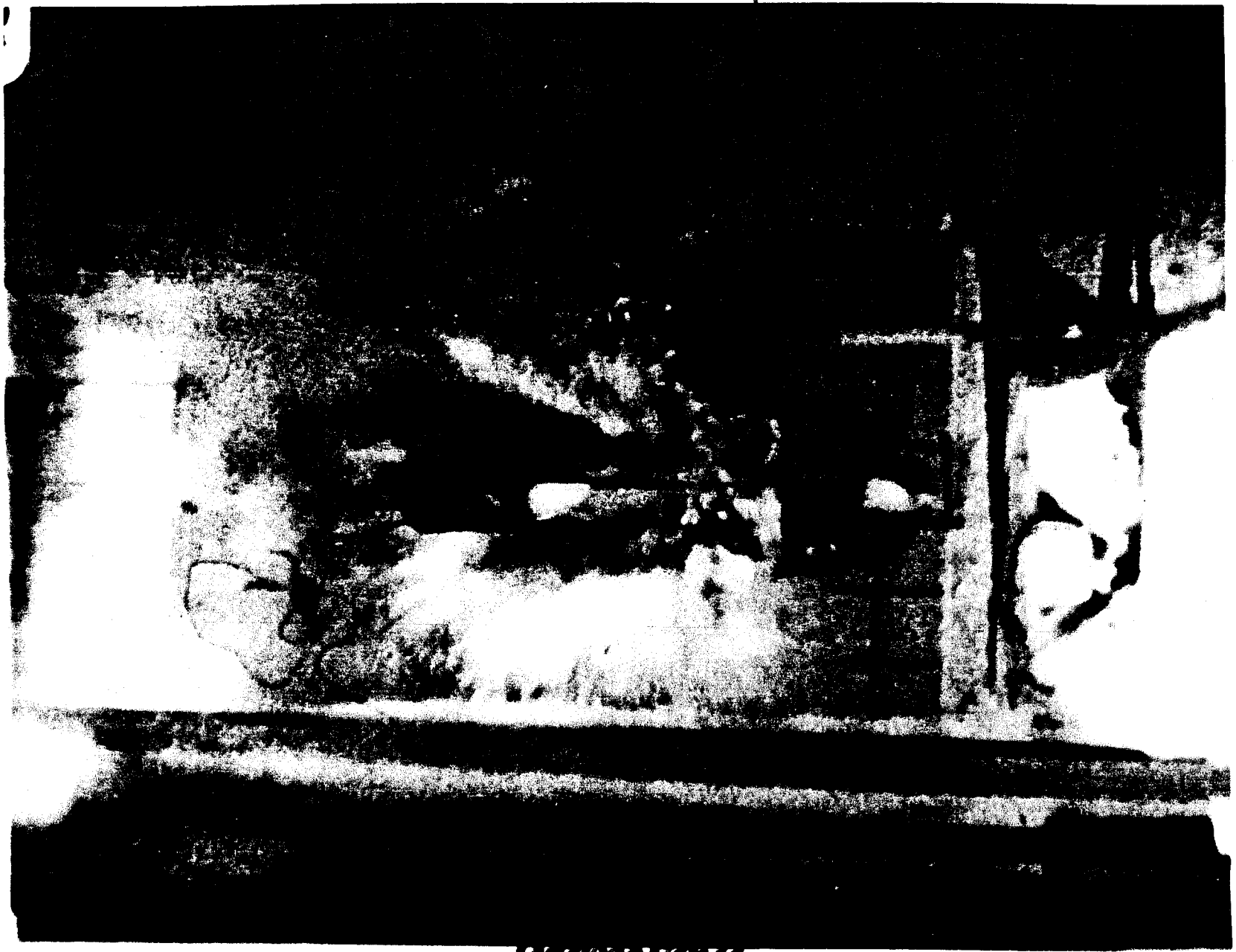

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DYNA-3D MODEL SIMULATION

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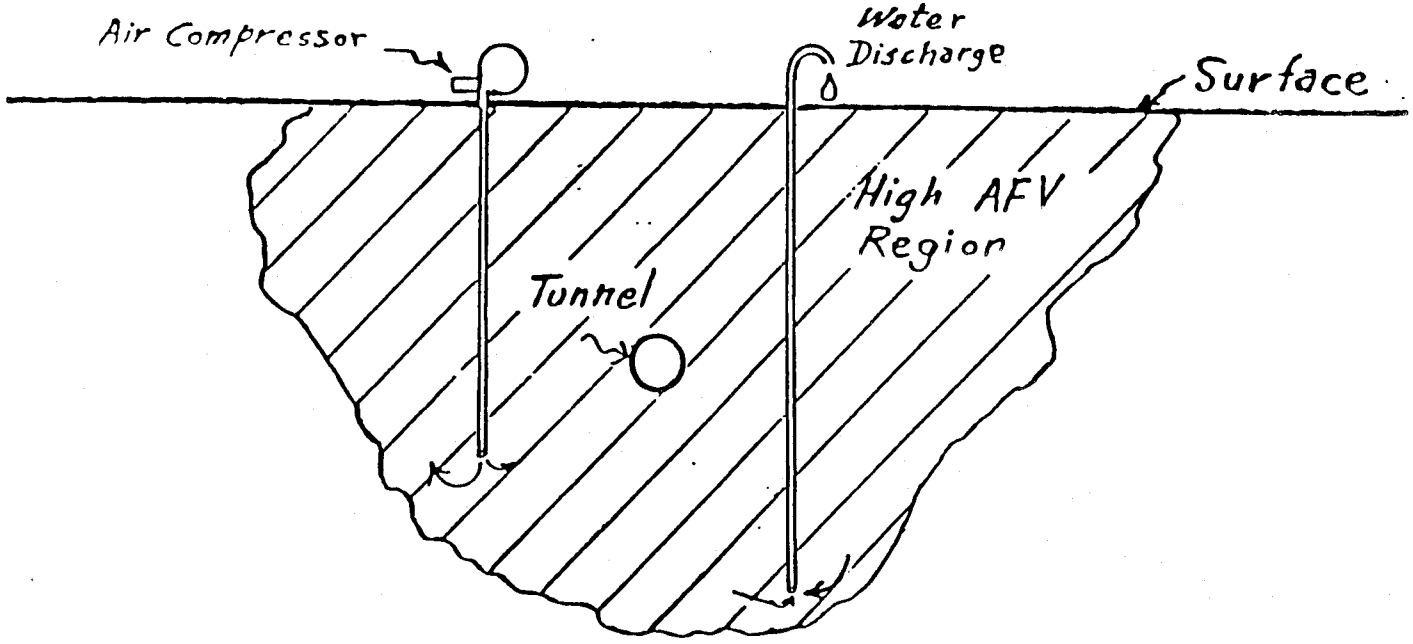
Air Compressor
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Surface
High AFV Region
Tunnel

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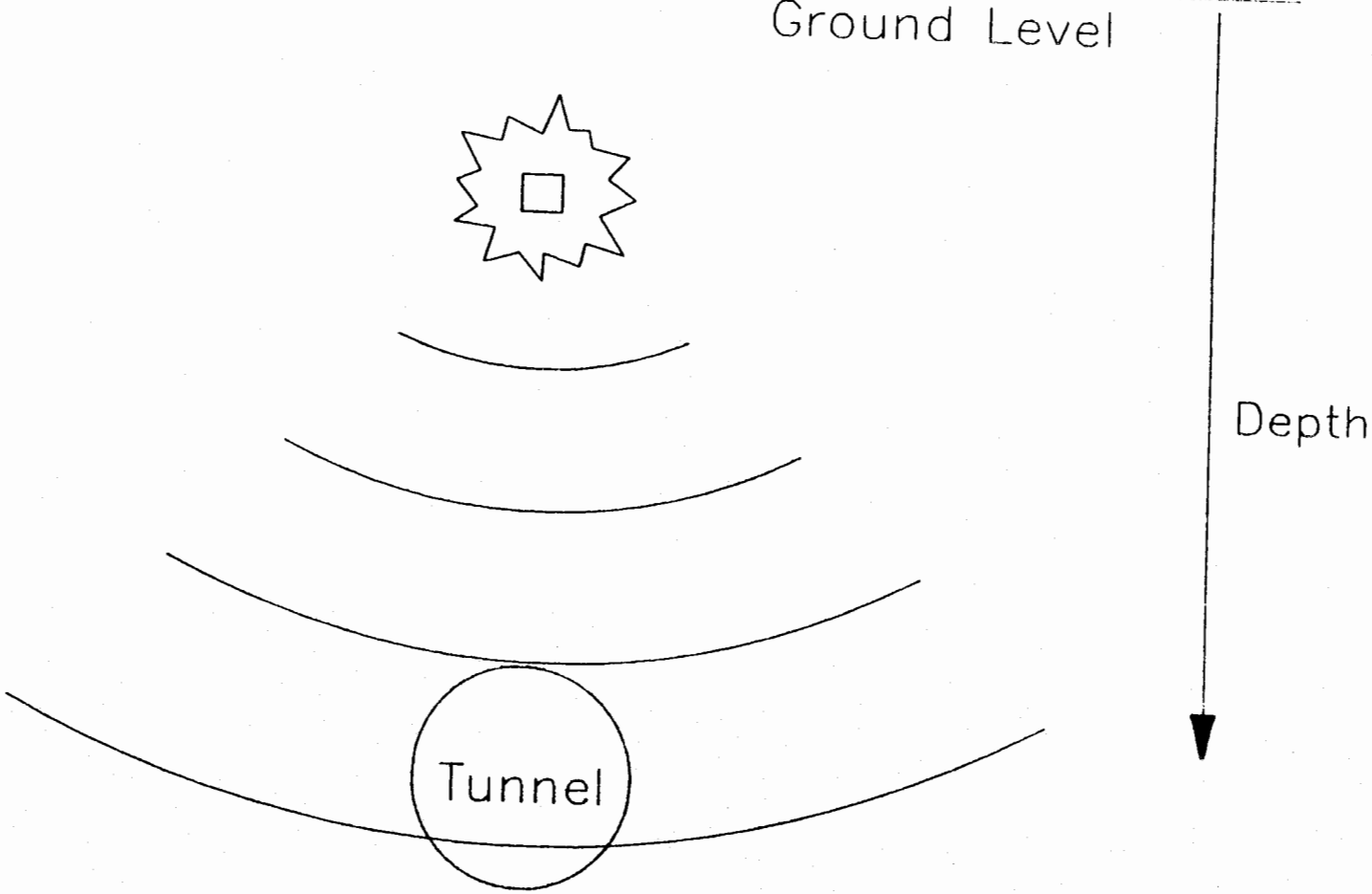
EFFECTS OF COUNTERMEASURE ON BURIED FACILITIES



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