BY THE MANA, DAW 3/3/11

CONFIDENTIAL

2. Attack on Shizuoka Aircraft Engine Plant 12 April 1945

Reported Weapons:

Arthur D. Little, Inc.

66 M66 2000 lb. fused 0.025 N 0.025 T

11 attacking air planes

Photo cover: (none attached)
Pre: 3 PR/5M58 3L

5-7

143-144 4-6 5 Post:

3 PR/5M174 4L 3 PR/5M140 2V 3 PR/5M149 3V

Strike: 21BC/5M63 26V 1-8

Damage Analysis: (Photostat attached)

Revised Damage Analysis:

Damage Plan: (Photostat attached) This plan is of a revised damage analysis.

Building Construction Analysis: (photostat attached)

General:

In this attack the bombs can be followed all the way down in the strike photos so that the bomb plot is considered quite accurate.

Arthur D. Little, Inc.

BY THE MARA, Date 3/3/11

3. Attack on Aichi Aircraft Engine Works and Aichi Ordnance Plant, 9 June 1945

Reported Weapons:

70 4000 lb. LC fused inst. N, N.D.T. 23 2000 lb. GP fused inst. N, N.D.T. 12 1000 lb. GP fused 0.01 N N.D.T.

Photo cover:

Pre: 3PR/5M79 3L 31-32 3PR/5M222 2V 37-39

Post: 3PR/5M277 136-138

Strike: 21BC/5M 193

Damage Analysis: (Photostat attached)
Three analyses have been made of this attack,
one by the Operations Analysis Section of the
21st Bomber Command, one by the PI section and
one by the AN-23 group. The first and last
analyses are in reasonable agreement. A photostat of the AN-23 analysis is attached.

Damage Plan: (Photostat attached)
AN-23's damage plan is attached.

Building Construction Analysis: (none attached) See file in economic section.

This attack with 4000 lb. bombs was the first controlled attack. As such it has been subjected to careful analysis. See Weapon Analysis Report No. WA-1 by the OAS of the 21st Bomber Command.

CONFIDENTIAL

Arthur D. Little, Inc.

by ______ NAMA, Date 2/2/11

22 June 1945 4. Attack on Kawasaki Aircraft Works.

Reported Weapons: 50 - 4000 lb L.C. 16 - 2000 lb G.P.

Photo cover:

43-45 3R 106V 3PR/4M17 21BC/5M218 Pre:

27-28 3PR/5M291 3L 3R Post: 27-29

> 5-7 21BC/5M228 305₹

Strike:

21BC/5M 218

Damage Analysis: (photostat attached) Revised analysis by AN 23.

Damage plan: (photostat attached)

Rough revised plan by AN-23 is attached.

Building Construction Analysis: (photostat attached)

General: Nearby plants were hit by 500 lb. bombs. Check to see no spillover occurred.

BY MAKA, UNID 2/3/11

CONFIDENTIAL

Arthur D. Little, Inc.

5. Attack on Sumitomo Duralumin Mill, 9 June 1945

Reported Weapons:

(This plant was hit in the attack on plant 90.20-2010 and 198 hit on 9 June)

4000 lb LC fused inst. N N.D.T. 2000 lb GP fused inst. N N.D.T. 1000 lb GP fused 0.01N N.D.T.

Photo cover:

Pre: 3PR/5M 222 2V 38-39

Post: 3PR/5M 279 3L 63-64

Strike: 21 BC/5M 193

Damage Analysis: (Photostat attached)
Analysis by PI section is attached.

Damage Plan: (Photostat attached)
Plan by PI section is attached.

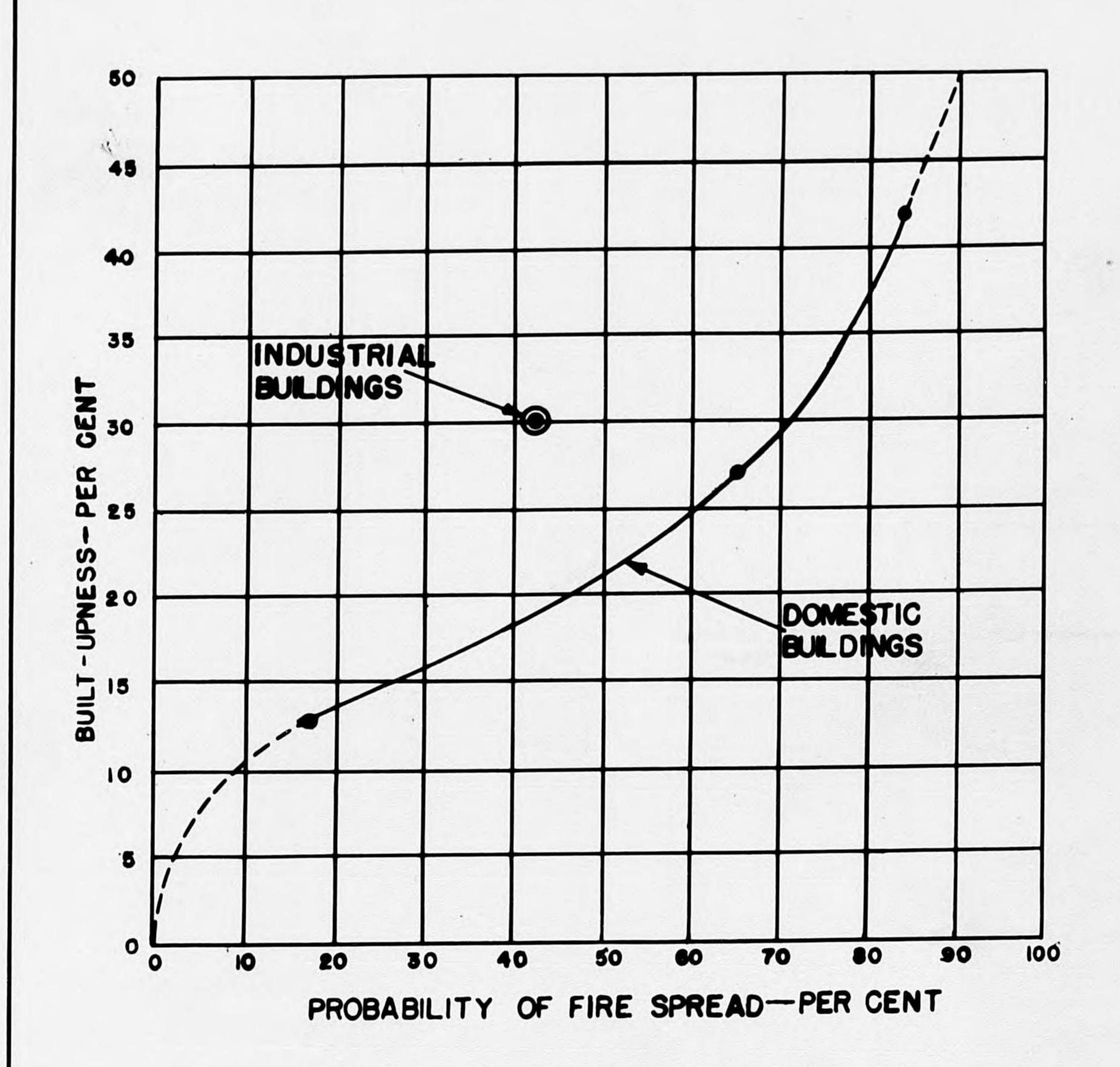
Building Construction Analysis: (none attached)
No BCA made yet. Lt. Paul Speake is
preparing one.

General:

This plant was hit by spill over from the made attack on the Aichi plants. It was also hit by 500 lb. bombs on 22 June at the other end of the plant.

By HR-M NAHA, Date 3/3/11

PROBABILITY OF FIRE SPREAD IN VARIOUS AMOUNTS OF BUILT-UPNESS



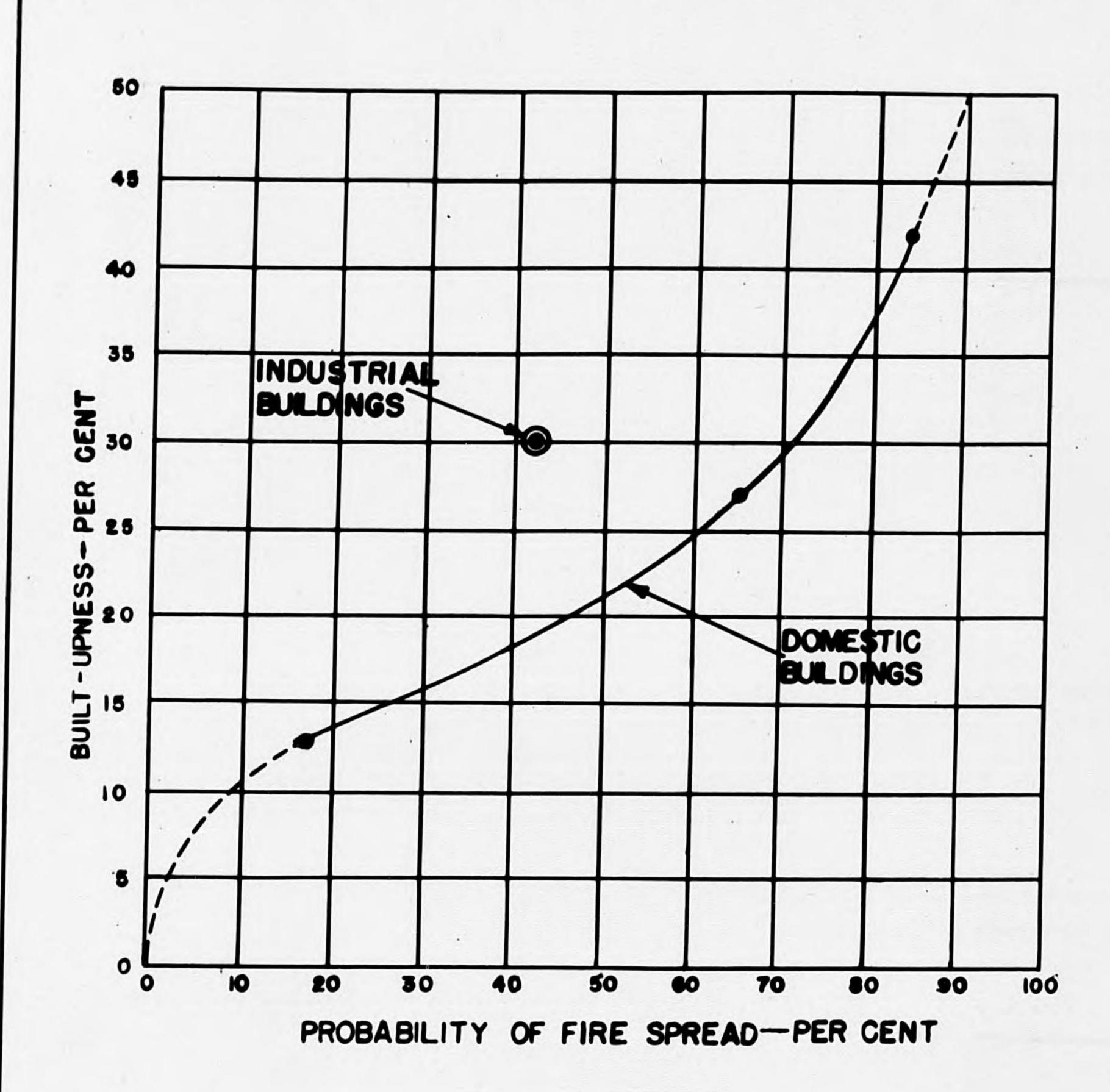
U.S. STRATEGIC BOMBING SURVEY

PHYSICAL DAMAGE

FIGURE 22

PROBABILITY OF FIRE SPREAD
IN
VARIOUS AMOUNTS OF BUILT-UPNESS

BY THE MANA, Date 3/3/11



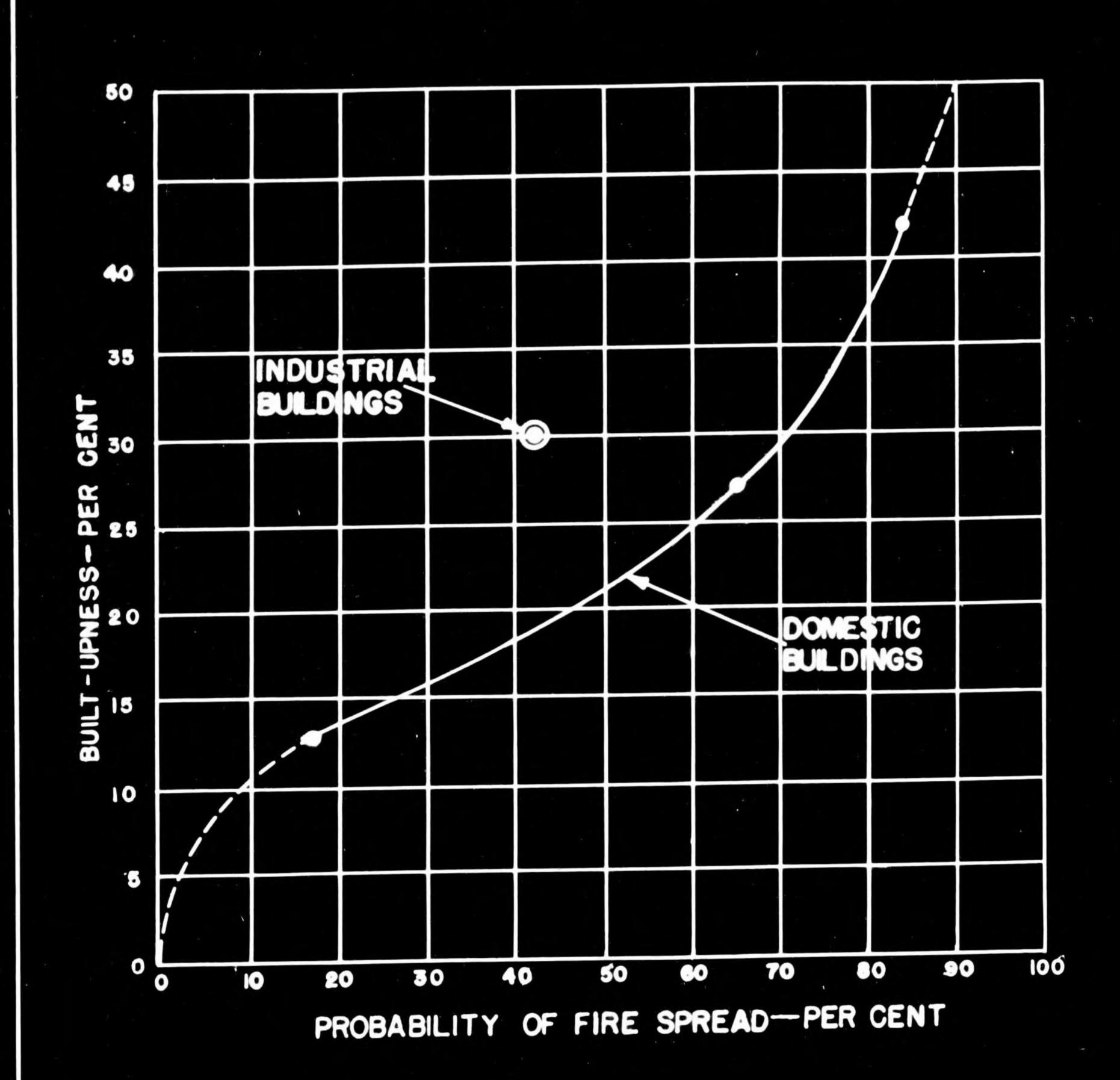
U.S. STRATEGIC DOMBING SURVEY

PHYSICAL DAMAGE

FIGURE 22

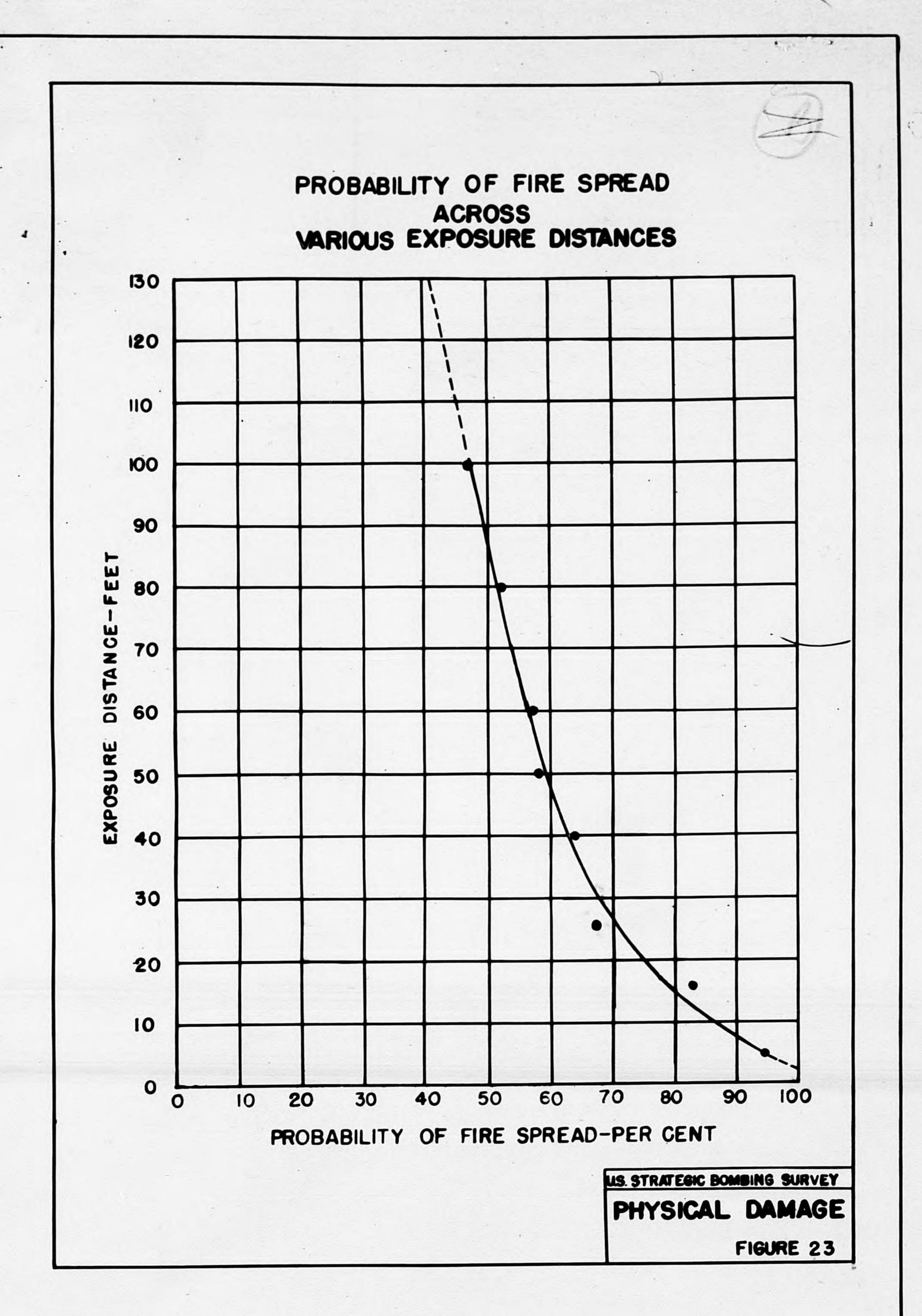
By HR-M NARA, Date 3/5/9

PROBABILITY OF FIRE SPREAD IN VARIOUS AMOUNTS OF BUILT-UPNESS



U.S. STRATEGIC BOMBING SURVEY
PHYSICAL DAMAGE

FIGURE 22

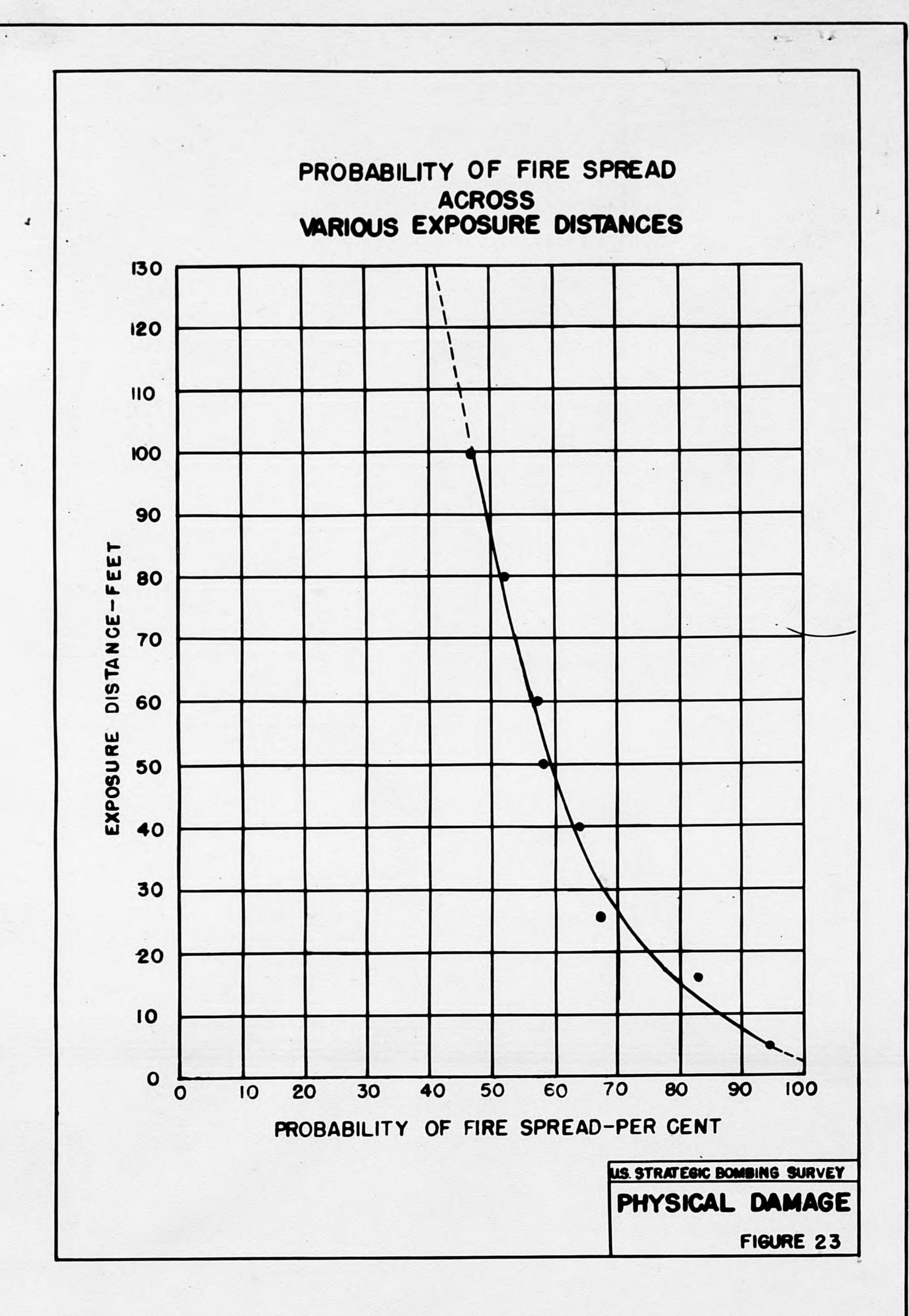


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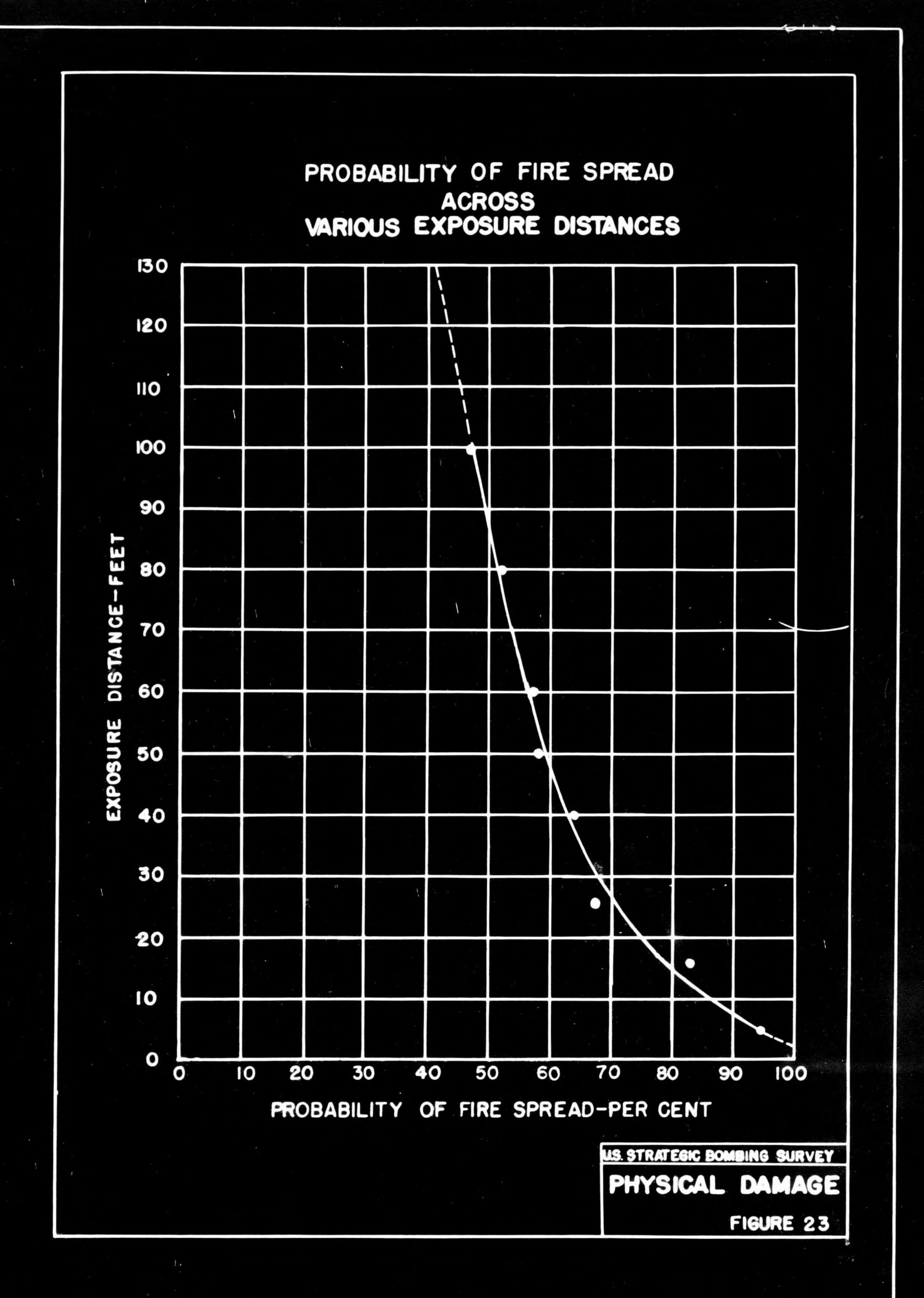
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BY AR-M NANA, UNITE 2/3/11

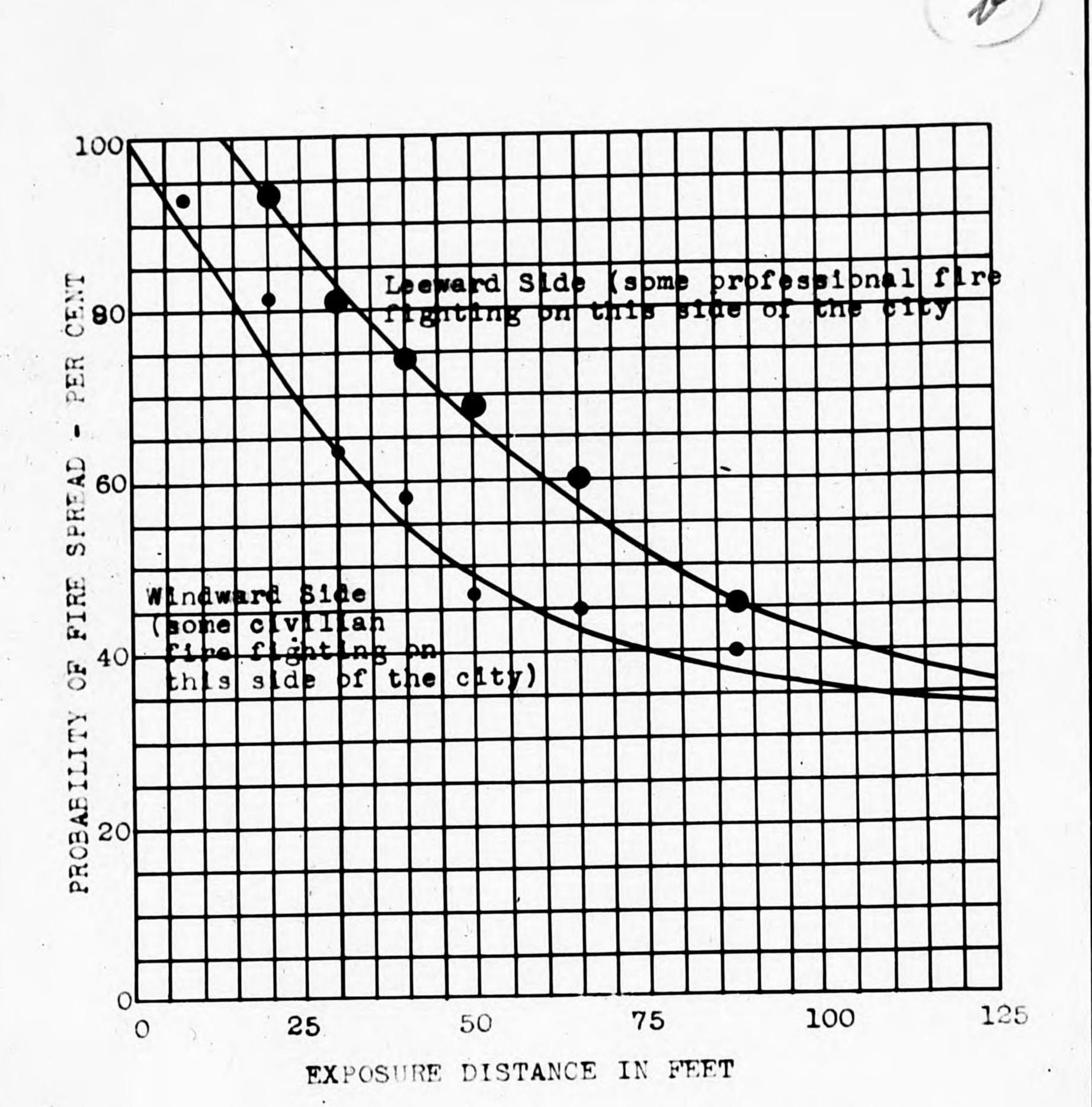


FIGURE 24 - SHOWING THE RELATIONSHIP BETWEEN FIRE SPREAD WITH AND AGAINST A LIGHT BREEZE AND THE PROBABILITY OF FIRE SPREAD ACROSS OPEN SPACES TO INVOLVE OTHER COMBUSTIBLE BUILDINGS.

PHYSICAL DAMAGE
FIGURE 24

TUVW

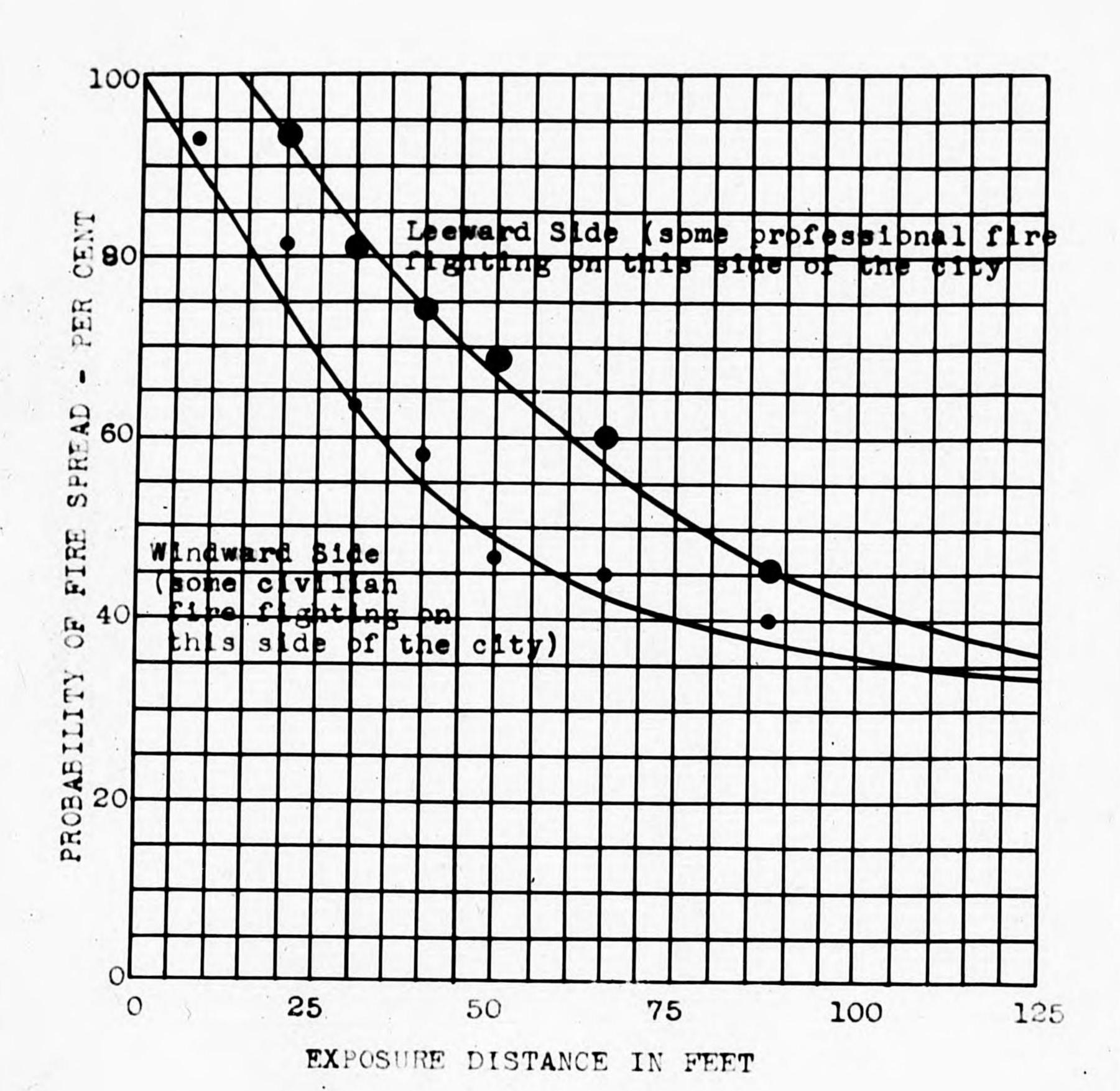


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PHYSICAL DAMAGE
FIGURE 24

TUVW

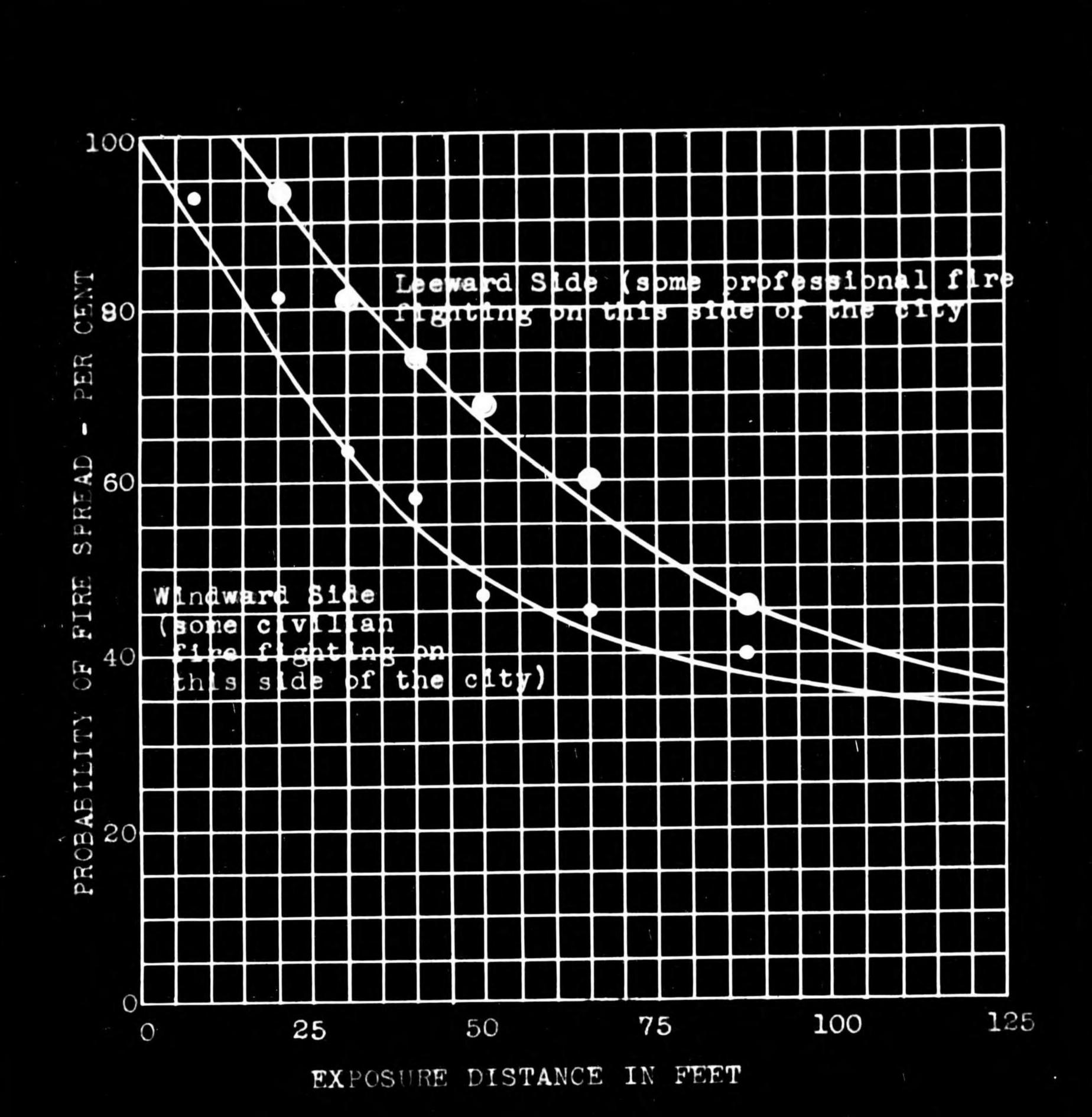


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PHYSICAL DAMAGE
FIGURE 24