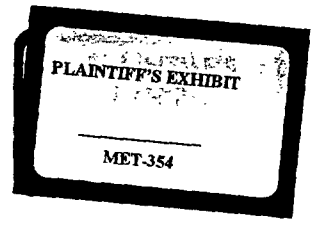


admitted
W.U.



AFFIDAVIT

WASHINGTON)
DISTRICT OF COLUMBIA) ss.

BEFORE ME, the undersigned Notary Public, personally came and appeared MICHAEL RHODE, a person of the full age of majority, being of sound mind and body, who, after being first duly sworn by me, did depose and say:

I, MICHAEL RHODE, am an employee of the Armed Forces Institute of Pathology, Washington, D.C. I am custodian of the original archives of Dr. Arthur J. Vorwald.

Pages 1 through 42 attached hereto are true, correct and authentic copies of documents from Dr. Arthur Vorwald's archives. The pages attached are Revised version of ASBESTOSIS - Experimental Studies by The Saranac Laboratory, Report to the Johns-Manville Corporation, dated January 31, 1949

Dr. Vorwald was the Director of the Saranac Laboratory of the Trudeau Institute. Upon his death, Dr. Vorwald's archives were donated to the Armed Forces Institute of pathology by his widow.

Dr. Vorwald's archives are in such condition as to raise no suspicion concerning their authenticity; they were received by the Armed Forces Institute of Pathology from Dr. Vorwald's widow after

Dr. Vorwald's death; they are presently on file as authorized by law in the National Museum of Health & Medicine, Armed Forces Institute of Pathology, Building 54, Walter Reed Army Medical Center, Washington, D.C. 20306-6000; and the archives have been in existence for 20 (twenty) or more years.

Michael Rhode
MICHAEL RHODE, AFFIANT

SWORN TO AND SUBSCRIBED before me, the undersigned Notary Public, on this the 24th day of April, 1992.

Bernice E. Williams
NOTARY PUBLIC

Printed Name: Bernice Williams

My Commission Expires:
2-14-95

CONFIDENTIAL

VORWALD COLL
BOX

CERTIFIED TRUE COPY FROM
OTIS HISTORICAL ARCHIVE
NATIONAL MUSEUM OF HEALTH AND MEDICINE
ARMED FORCES INSTITUTE OF PATHOLOGY
ARCHIVIST

A S B E S T O S I S

Experimental Studies

by

THE SARANAC LABORATORY
SARANAC LAKE, NEW YORK

Report to the

JOHNS-MANVILLE CORPORATION
NEW YORK, NEW YORK

~~September 30, 1948~~

January 31, 1949

See Jan. 31, 1949

See attached 2nd

1-1-49 VORWALD, MD

Thurston

CONTENTS

	<u>Page</u>
<i>I</i> I. ABSTRACT <i>space the</i>	1
2. Introduction	2
3. Asbestos Minerals	2
<i>IV</i> IV. EXPERIMENTAL ASBESTOSIS <i>space the</i>	3
5. Experimental Methods	4
6. Species Susceptibility	5
7. Peculiar Characteristics of Asbestos	5
8. Rate of Tissue Reaction to Asbestos Fibers	6
9. Asbestosis Bodies	7
<i>X</i> X. INHALATION EXPERIMENTS <i>space the</i>	7
<i>II</i> King's Floats Asbestos Dust KING'S FLOATS ASBESTOS DUST	8
12. Dusting Material	8
13. Dust Composition	8
14. Dust Concentration	8
15. Reaction in Animals	9
16. Guinea Pigs	9
17. Rate and Type of Reaction	9
18. Progression	10
19. Infection Coincident with Dust Inhalation	10
20. Infection after Dust Inhalation	11
21. Asbestosis Bodies	12
22. Rabbits	12
23. Rats	12
24. Summary and Interpretation	13