PLAINTIFF'S EXHIBIT

IHF-290

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1929 - 1939

PLAINTIFF'S EXHIBIT

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PITTSBURGH, PA.
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FORM 77 1934

AUTHOR. V. Dhers

TITLE. Asbestos and pulmonary asbestosis.

ORIG. REPT.	VOL.	PP.	DATE	ABSTR. REPT.	VOL.	PP.	DATE
(Fr.) M.T.Lav.	2	147-72, 187-209	'30	J I H	13	49	'31

ABSTRACT. A history of the use of asbestos and its properties is given in this article as well as its chemical properties and composition. The lungs of workers become affected in the direct proportion to the length of time they have been exposed to it, until after 20 years of work 80% are affected. Exposing animals to the dust showed that the lung condition is characterized by dyspnea, cough and the presence of asbestos bodies possibly in the sputum but more certainly in the lungs. The fibrosis caused is generally throughout the lungs, which are so damaged as to lead to a fatal issue without any secondary infection necessarily occurring. Such fibrosed lungs may be detected by radiography, but the shadows shown are not so coarse as those of silicosis. This article is accompanied by a full bibliography containing 56 references.

CONT'D.

DATE EXAMINED: BY: F. PURPOSE OF SEARCH:

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MELLON INSTITUTE OF INDUSTRIAL RESEARCH
PITTSBURGH, PA.

CLASSIFIED SUBJECT: 75 ✓ ✓ | FELLOWSHIP NUMBER | FILE NUMBER: Gen. 152

AUTHOR: Dr. Kenneth M. Lynch & W. Atmar Smith, M.D.,
AUTHOR'S POSITION AND ADDRESS: Charleston, S.C. Med. Coll. of State of So. Carolina.

TITLE: Asbestosis Bodies in Sputum and Lung.

ORIG. REFS. PERIODICAL	VOL.	NO.	PP.	DATE	ABSTR. REFS. PERIODICAL	VOL.	PP.	DATE
J.Am.Med. Assoc.	95		659-661	'30				

PAGES:	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
REFERENCES:	COST DATA:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:
CONCLUSIONS:	AUTHOR INDEX:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:
TABLES:	SUBJECT INDEX:				
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ABSTRACT:					

ORIGINAL AVAILABLE AT: Reprint on file
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DATE EXAMINED: BY: PURPOSE OF SEARCH:

ABSTRACT BLANK FOR ALL PERIODICALS AND REGULARLY ISSUED PROCEEDINGS.

MELLON INSTITUTE OF INDUSTRIAL RESEARCH
PITTSBURGH, PA.

AUTHOR: E. R. A. Merewether,

AUTHOR'S POSITION AND ADDRESS: Medical Inspector of Factories, England.

TITLE: The Occurrence of Pulmonary Fibrosis and other Pulmonary Affections in Asbestos Workers.

	PERIODICAL	VOL.	NO.	PP.	DATE
ORIG. REPT.:	J I H	12		198-222 239-57	'30
ABSTR. REPT.:	B H	6		134-8	

PAGES	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
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CONCLUSIONS:	AUTHOR INDEX:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:
TABLES:	SUBJECT INDEX:	ORIGINAL AVAILABLE AT:			
GRAPHS:		CALL NUMBER:			

ABSTRACT: The X-Ray appearance in cases of asbestosis resembles that of silicosis only superficially. It is characterized by fine mottling, rather than nodular formations, and appears less severe than it is in comparison with silicosis. The characteristic feature of asbestosis is its uniformity. Very slight modulation sometimes occurs after long exposure.

"The essential lesion is a chronic interstitial fibrosis of the lung". In the earlier stages, fibrosis takes place in the alveolar walls. The peculiar yellow "asbestosis bodies" or "curious bodies then begin to be formed in the alveolar spaces and walls. In the later stages fibrosis is complete. CONT'D

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Examination of the lungs shows the various particles found in asbestos dust and also the "curious bodies", which seem to consist of a nucleus which is a fine asbestos spicule with a colloidal aggregate of proteins.

The relation of asbestosis to working conditions was also surveyed. No cases of diffuse fibrosis was found with less than five years' exposure.

The Owens counter was used in taking samples and showed 12 to 150 million particles per cubic foot. Asbestosis dust is an occupational risk, which becomes more pronounced as the dustiness increases. The disease may develop in 7 to 9 years and may cause death in 13 years.

CLASSIFIED SUBJECT: 75.7 NUMBER: 752

DSD-220

AUTHOR: E. Seintker

AUTHOR'S POSITION AND ADDRESS:

TITLE: Pulmonary Asbestosis.

	PERIODICAL	VOL.	NO.	PP.	DATE	ABSTR. REPS	PERIODICAL	VOL.	NO.	PP.	DATE
ORIG REPS	(Ger.) A O O	2		345-58	'31		B H J I H	6 14	12	862-3 120	'31 '32

PAGES:	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
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CONCLUSIONS:	AUTHOR INDEX:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:
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ABSTRACT: Formationof asbestosis is discussed; the view that asbestosis bodies are formed from asbestos fibre in the body tissues, probably by result of a biochemical action with silica contained in the raw material, is confirmed. Asbestos loses its magnesium portion in the tissue and pure SiO_2 remains, which stimulates formation of connecting tissue. Differences of asbestosis and silicosis in X-Ray pictures and other symptoms are pointed out.—

CONT'D

DATE EXAMINED: BY: Ha. PURPOSE OF SEARCH:

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MELLON INSTITUTE OF INDUSTRIAL RESEARCH PITTSBURGH, PA.

FORM 70 1000 5-36

MELLON INSTITUTE OF INDUSTRIAL RESEARCH, PITTSBURGH, PA.

FORM No. 1 (REVISED)

CLASSIFIED SUBJECT: 75 ✓

FELLOWSHIP NUMBER:

FILE NUMBER: 13,753

AUTHOR: A. Feil

AUTHOR'S POSITION AND ADDRESS:

TITLE: Pneumoconiosis in Asboutos Workers.

	PERIODICAL	VOL.	NO.	PP.	DATE		PERIODICAL	VOL.	PP.	DATE
ORIG. REFS.	(Fr.) P M	39		1872-4	1931 Dec.	ABSTR. REFS.				

PAGES:	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
BIBLIOGRAPHY:	COST DATA:	SPECIFIC:	EXPERIMENTAL:	PROPAGANDA:	FAIR:
SUMMARY:	METHOD (WITH)	ENGINEERING:	STATISTICAL:		USE FOR PURPOSE
TABLES:	SUBJECT INDEX:	ORIGINAL AVAILABLE AT: PAM.			
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ABSTRACT: The author speaks of 'ifferences between tuberculosis an' asbestosis, giving excerpts from various British an' French experts' opinion on the subject. He makes a 'ifference between the chemically prepare' asbestos an' amianthus- which he calls, "amiantosis". He explains the beginning symptoms of all pneu- coniosis, silicosis in particular an' their progression. He shows the similar- ity of an' the 'ifferences between silicosis an' asbestosis an' points out that asbestosis (amiantosis) has no free silica, but silicates in its 'ust.

See also Heim de Balzac (while silicosis is suppose' to be cause' through in- halation of free silica 'usts.

CONT'D: ✓

DATE EXAMINED: BY: N K R PURPOSE OF SEARCH:

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I.M.

MELLON INSTITUTE OF INDUSTRIAL RESEARCH
PITTSBURGH, PA.

CLASSIFIED SUBJECT	FELLOWSHIP NUMBER	FILE NUMBER
15 V		22 152

DSR ~~A-012~~
PSO ~~1 — 63~~

AUTHOR: H. E. Seiler and M. D. Gilmour

AUTHOR'S POSITION AND ADDRESS:

TITLE: A Case of Pulmonary Asbestosis.

	PERIODICAL	VOL.	NO.	PP.	DATE
ORIG. REFS.	B M J	1		1112-14	1931 June
ABSTR. REFS.	J I H	13		241	1931

PAGES:	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
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MELLON INSTITUTE OF INDUSTRIAL RESEARCH
PITTSBURGH, PA.

FORM 70 1000 2-36

CLASSIFIED SUBJECT		FELLOWSHIP NUMBER	FILE NUMBER
75 V			41 : 752

AUTHOR: N. H. Schuster
AUTHOR'S POSITION AND ADDRESS:

TITLE: Asbestosis in Dog.

	PERIODICAL	VOL.	NO.	PP.	DATE		PERIODICAL	VOL.	NO.	PP.	DATE
ORIG REFS.	J P B	34		751-7	'31	ABSTR. REFS.					

PAGES:	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
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CONCLUSIONS:	AUTHOR INDEX:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:
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ABSTRACT. The dog, a rough-haired terrier, kept for ratting, has lived in asbestos factory for 10 years. Has access to all parts of the building. White, blue and brown asbestos were used in the factory. For two years the animal suffered from cough and dyspnoea - and for six months progressive wasting. Dyspnoea became so distressing, he was destroyed. Examination showed, no pneumonia, no hemorrhage, no tuberculosis. There was a diffuse fibrosis under the pleura. Carbon was scattered throughout the whole lung, more apparent than in an ordinary London dweller, not more than is found in railway workers. Asbestos fibres

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MELLON INSTITUTE OF INDUSTRIAL RESEARCH
PITTSBURGH, PA.

AUTHOR: W. E. Cooke
AUTHOR'S POSITION AND ADDRESS:

TITLE: Asbestos Dist and Asbestosis Bodies from Lungs of Asbestos Workers.

	PERIODICAL	VOL.	NO.	PP.	DATE		PERIODICAL	VOL.	PP.
ORIG. REF'S:	J. State Med.	39		544-0	1931	ABSTR. REF'S:	J I H	14	66

PAGES:	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
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TABLES:	SUBJECT INDEX:	ORIGINAL AVAILABLE AT: No reprints			
GRAPHS:		CALL NUMBER:			

ABSTRACT:

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CLASSIFIED SUBJECT: 47-1

FELLOWSHIP NUMBER: FILE NO.:

present in large numbers in all parts of the lung. A fibre that happens to project from the surface just after cutting a slice looks like a tiny single thread of cotton wool and under the microscope corresponds with the fluffy portions of a sample of crude asbestos. Some coarse particles, black angular bodies, considered to be the iron-containing portion of asbestos were in the connective tissue. The lungs of this dog provide a good specimen of uncomplicated asbestosis, apart from experimental cases, as will ever be seen. His illness was due to loss of respiratory surface from alveolar fibrosis and collapse. He must have been cyanosed, during the last few months at least.

The conclusion is drawn that presence of a soluble substance stimulates development of fibrosis. The combined action of asbestos dust and tubercle bacilli in the lung produced more fibrosis than did either agent acting independently. Details of symptoms, clinical findings, theoretical considerations must be seen in the original.

Guinea pigs do not show same effects as to other dusts. Not much dust is found in the lymphatic system, even after long exposure; the effects are local. In rabbits the dust migrates into lymphatic tissue, but no asbestos bodies were found. Attempts to produce asbestos bodies by injection were largely unsuccessful. Addition of iron has no effect.

MELLON INSTITUTE OF INDUSTRIAL RESEARCH
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FORM 70 10M 8-36

CLASSIFICO SUBJECT: 75-✓ | FELLOWSHIP NUMBER: | FILE NUMBER: 752 507

AUTHOR: Leroy U. Gardner and Donald E. Cummings,

AUTHOR'S POSITION AND ADDRESS: Saranac Laboratory for the Study of Tuberculosis, Saranac Lake, N.Y.

TITLE: Studies on Experimental Pneumokoniosis. VI. Inhalation of Asbestos Dust; Its Effect upon Primary Tuberculosis Infection.

	PERIODICAL	VOL.	NO.	PP.	DATE		PERIODICAL	VOL.	NO.	PP.	DATE
ORIG REPT.	J I H	13	2 3	65-81 97-114	'31 "	ADDTL REPT.	B H	6		602-3	'31

PAGES	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:	
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TABLES:	SUBJECT INDEX:	ORIGINAL AVAILABLE AT: Reprint on file				
GRAPHS:		CALL NUMBER:				

ABSTRACT: An exhaustive investigation into the reaction to inhaled asbestos dust. Composition and dust concentration were controlled. It was found that fibers as long as 100 and even 200 microns can be inhaled and ultimately reach the finer branches of the bronchial tree. Changes in the inhaled material were found to be of truly chemical nature, iron playing an important part. Long-continued inhalation of asbestos dust is responsible for development of pulmonary fibrosis. Asbestos dust seems to act even faster than granite dust. Quartz dust produced extensive fibrosis more rapidly than asbestos in the experimental animals. Carborundum dust did not produce fibrosis even after 4 years' experience. CONT'D.

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CLASSIFIED SUBJECT			FELLOWSHIP NUMBER	FILE NUMBER
	757			752

AUTHOR: S. Krueger, C. Rostoski and E. Saupe

TITLE: Asbestosis.

ORIG. REFS.	VOL.	PP.	DATE	ABSTR. REFS.	VOL.	PP.	DATE
A C G	2	558-90	'31	J I H	14	144-5	'32
				B H	6	861-2	'31

ABSTRACT: After an exhaustive study of the work, the authors give an account of the work done in Germany, under their own observation in Dresden. The first record in Germany was a demonstration by Fahr to the Medical Society of Hamburg in 1914, of specimens and photomicrographs of a case of pneumoconiosis in an asbestos worker. Fahr noticed a large number of crystals in the lung but did not describe them closely. Marchand and Riesel had seen them in 1906, they speculated as to whether they were due to the inhalation of asbestos dust or were a hemoglobin derivative. In 1931 Buettner-Joust and Trillitzsch described 9 cases occurring in 2 asbestos factories near Dresden. The present authors examined 52 workers (18 male and 34 females), of whom 30 showed definite lung changes. The longest exposure to the dust was 31 years in a worker aged 60. X-rays showed various stages of tuberculosis and pneumoconiosis. Four short statistical tables are given showing the relationship of the asbestosis to the period of exposure, type of work, etc. The general conclusion is that moderately severe asbestosis takes about 5 years to develop. The 4 most advanced cases were found in the spinning and twining sections. A summary of 15 cases classified into stages, 1, 2 and 3 of the disease is given (see x-ray findings); several radiograms are reproduced.

CONT'D.

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CLASSIFIED SUBJECT: 15 V

FELLOWSHIP NUMBER:

FILE NUMBER: IE 752

Det. 10

11-7-40

AUTHOR: S. R. Gloyne

AUTHOR'S POSITION AND ADDRESS:

TITLE: Formation of asbestosis body.

ORIG. REFS.	VOL.	PP.	DATE	ABSTR. REFS.	VOL.	PP.	DATE
Tubercle	12	399-401	'31	J I H	13	241	'31

PAGES:	GRAPHS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
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CONCLUSIONS:	COST DATA:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:
TABLES:	INDEX (AUTH.) (SUBJ.):	ORIGINAL AVAILABLE AT: J I H at Carnegie.			CALL NO.:

ABSTRACT: Pictorial presentation is given in this short note of the formation of asbestosis bodies. They appear to be formed by the deposition of some organic material around an asbestos fiber. This material then fissures or cracks, giving rise to the appearance of segments; finally, fragmentation from the asbestos body may separate portions. There is evidence that iron is a component of the material deposited on the inhaled fiber. During the reaction which takes place, solution of a fraction of asbestos occurs; but evidence is lacking as to how the long asbestos particles which are far longer than the diameter of a dust cell, are introduced into the pulmonary tissues.

CONT'D.

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FORM 78 (REV. 6-37)

MELLON INSTITUTE OF INDUSTRIAL RESEARCH
PITTSBURGH, PA.

FORM 70 1000 8-36

AUTHOR: W. E. Cooke

AUTHOR'S POSITION AND ADDRESS: M.D., Director of Pathology, Wigan Royal Infirmary, Wigan, Lancas.

TITLE: Asbestos Dust and the Curious Bodies Found in Pulmonary Asbestosis.

	PERIODICAL	VOL.	NO.	PP.	DATE
ORIG REFS.	B M J	2		578-80	'29
ABSTR. REFS.	J A M A J I H	95 12			

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DISCUSSION (PP.):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
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ABSTRACT:					

See also Hill

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MELLON INSTITUTE OF INDUSTRIAL RESEARCH
PITTSBURGH, PA.

FORM 79 1000 5-30

CLASSIFIED SUBJECT		FELLOWSHIP NUMBER	FILE NUMBER
72-V			62 : 752

AUTHOR: W. E. Cooke and C. F. Hill
AUTHOR'S POSITION AND ADDRESS:

TITLE: Further Observations on Pulmonary Asbestosis, with special Reference to Asbestos Dust and the Curious Bodies Found in the Lungs.

	PERIODICAL	VOL.	NO.	PP.	DATE		PERIODICAL	VOL.	NO.	PP.	DATE
ORIG REPT.	J. Royal Micro.Soc.	50		15-19	'30	ABST.	J I H	6 13	2	139 122	'31 '31

PAGES:	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
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CONCLUSIONS:	AUTHOR INDEX:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:
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ABSTRACT: Three elements are found in the lungs of asbestos workers; 1. fine black granular dust, much of which is carbonaceous; 2. large fragments, black, blue, brown and translucent which are strictly comparable with fragments in the original dust; 3. the so-called curious bodies. After close examination of the latter after separation from the other elements it was found that their composition was largely of non-mineral origin and it is suggested that these curious bodies are formed in the lung by fine spicules of the asbestos in a manner which is discussed more in detail.

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DATE EXAMINED: ..... BY: Ha. PURPOSE OF RESEARCH: .....

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MELLON INSTITUTE OF INDUSTRIAL RESEARCH, PITTSBURGH, PA.

FORM 70-1000-6-28

752 NUMBER 1 92 - 752

DSB 8033
46-26

AUTHOR: Kenneth V. Lynch & Wm. Atmar Smith

AUTHOR'S POSITION AND ADDRESS:

TITLE: Pulmonary Asbestosis II *

	PERIODICAL	VOL.	NO.	PP.	DATE
ORIG. REFS.:	Am. Rev. Tuber.	23	6	643-660	1931
ABSTR. REFS.:	J I H	13		241	'31

PAGES:	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
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GRAPHS:		CALL NUMBER:			

ABSTRACT: *Including the Report of a Pure Case.

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FORM 70 - REV. 6-37

CLASSIFICATION SUBJECT: 1 | 76d | PATENT APP. NUMBER: | FILE NUMBER: 2175-2

AUTHOR: S. R. Gloyne

AUTHOR'S POSITION AND ADDRESS:

TITLE: Presence of asbestosis bodies in faeces of case of pulmonary asbestosis.

ORIG. REFS.	VOL.	PP.	DATE	ABSTR. REFS.	VOL.	PP.	DATE
Tubercle	12	53-61	'31	J I H	13	207-8	'31

PAGES:	GRAPHS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	ILLUSTRATIONS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
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CONCLUSIONS:	COST DATA:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:
TABLES:	INDEX (AUTH., SUBJ.)	ORIGINAL AVAILABLE AT: J I H at Carnegie			CALL NO.:

ABSTRACT: This short note describes how asbestos bodies in cases of pulmonary asbestosis may be found by emulsifying the faeces in four to five times their volume of 15 per cent formalin in saline and then centrifuging the product, which will be found to contain a scanty number. The bodies which have probably been swallowed in sputum, show less than usual of the typical deep-yellow coloring matter, as though the pigment were partially destroyed by intestinal juices. I°ue

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MELLON INSTITUTE OF INDUSTRIAL RESEARCH, PITTSBURGH, PA.

FORM 7A-1M-4-37

CLASSIFIED SUBJECT: 75 V

FELLOWSHIP NUMBER:

FILE NUMBER: 121-752

DD: 11.06

AUTHOR: S. R. Cloyne

AUTHOR'S POSITION AND ADDRESS:

TITLE: The Asbestosis Body.

	PERIODICAL	VOL.	NO.	PP.	DATE		PERIODICAL	VOL.	PP.	DATE
ORIG. REFS.	Lancet	222		1351-55	'32 June	ABSTR. REFS.	J I H	14	225	'32

PAGES:	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:	
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TABLES:	SUBJECT INDEX:	ORIGINAL AVAILABLE AT:				
GRAPHS:		CATL. NUMBER:				

ABSTRACT: A good review of the subject, including the author's work. The bodies are formed by the deposit of organic matter upon fine asbestos fibrils. (However, see F. E. Cooke)

See also Wood

CONT'D. ✓

DATE EXAMINED: BY: PURPOSE OF SEARCH: I.M.

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MELLON INSTITUTE OF INDUSTRIAL RESEARCH, PITTSBURGH, PA.

FORM 70-10M-8-32

CLASSIFIED SUBJECT	FELLOWSHIP NUMBER	FILE NUMBER
15 V		23 752

AUTHOR: J. V. Sparks

AUTHOR'S POSITION AND ADDRESS:

TITLE: Pneumoconiosis in Asbestos Workers.

	PERIODICAL	VOL.	NO.	PP.	DATE
ORIG. REFS.:					
ABSTR. REFS.:	B M J 1932, II J I H (mention) 14			563 225	1932 "

PAGES:	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
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REFERENCES:	COST DATA:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:
CONCLUSIONS:	AUTHOR INDEX:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:
TABLES:	SUBJECT INDEX:	ORIGINAL AVAILABLE AT:			
GRAPHS:		CALL NUMBER:			

ABSTRACT: Centenary Meeting, British Medical Assoc., London, July, 1932.

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DATE EXAMINED: BY: PURPOSE OF SEARCH:

ABSTRACT BLANK FOR ALL PERIODICALS AND REGULARLY ISSUED PROCEEDINGS.

losis. The patients generally had poor conditions. X-ray shows no silicosis. One patient had nodules near the asbestotic change of diagnostic importance was the finding of asbestosis bodies in sputum, in lung puncture fluid, or post mortem in material from the cut surface of the lung, or in sections of the tissue. It is possible that in asbestosis the silicic acid acts as a chemical irritant which leads to fibrosis. It has been demonstrated that connective tissue is sensitive to the action of silicic acid, and it is suggested that when the silicates of the asbestos are dissolved in the lung tissue, silicic acid is liberated and the latter is then taken up by the connective tissues and stimulates increased growth. The authors think that the statement that asbestos is formed on the soil of a tuberculosis infection is contradicted by the facts. They state that asbestosis is a serious specific occupational disease which is well differentiated from other illnesses and which is easily diagnosable by consideration of the occupational history.

MELLON INSTITUTE OF INDUSTRIAL RESEARCH
PITTSBURGH, PA.

FORM 761-R-A-5

CLASSIFIED SUBJECT: 737 | FELLOWSHIP NUMBER: | FILE NUMBER: CK 752 364

AUTHOR: Gerbis and Usko

AUTHOR'S POSITION AND ADDRESS:

TITLE: Asbestosis.

	PERIODICAL	VOL.	NO.	PP.	DATE		PERIODICAL	VOL.	PP.	DATE
ORIG. REPT.:	(Ger.) D M W	58		265-07	1932 Feb.	ABSTR. REPT.:	B H	7	341	1932

PAGES:	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
REFERENCES:	COST DATA:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:
CONCLUSIONS:	AUTHOR INDEX:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:
TABLES:	SUBJECT INDEX:	ORIGINAL AVAILABLE AT:			
GRAPHS:		CALL NUMBER:			

ABSTRACT: The authors have examined 33 asbestos workers in the Deutschen Asbestwerken, A. G. - 18 females, 15 males, ages 20-65, one woman employed for 17 years and a man for 32. Nearly all patients showed symptoms, e.g., cough and sputum, dyspnoea; 16 complained of lack of appetite, 10 loss of weight, 5 pain in breathing, 5 palpitations - faintness and increasing pallor. In only one family history was there any tuberculosis and the authors state that they can trace no close connection between asbestosis and tubercu-

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DATE EXAMINED: BY: PURPOSE OF SEARCH: I.M.

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PITTSBURGH, PA.

FORM 7A-1M-8-28

CLASSIFIED SUBJECT: 75 Y

FELLOWSHIP NUMBER:

FILE NUMBER: 52 - 752
DSF-2274

AUTHOR: M.J. Stewart, N. Tattersall and A. C. Haddow

AUTHOR'S POSITION AND ADDRESS:

TITLE: Occurrence of Clumps of Asbestos Bodies in Sputum of Asbestos Workers.

	PERIODICAL	VOL.	NO.	PP.	DATE
ORIG. REFS.	J P B	55		737-41	'32 SEPt.
ABSTR. REFS.	J I H B H	15 8		78 27	'33 '33

PAGES:	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
REFERENCES:	COST DATA:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:
CONCLUSIONS:	AUTHOR INDEX:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSES:
TABLES:	SUBJECT INDEX:	ORIGINAL AVAILABLE AT:			
GRAPHS:		CALL NUMBER:			

ABSTRACT: In two cases the authors found clumps of asbestosis bodies, in addition to single bodies. They suggest that the presence of clumps indicates disintegration of lung tissue.

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DATE EXAMINED: BY: PURPOSE OF SEARCH: I.M.

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PITTSBURGH, PA.

FORM 76 10M 8-38

CLASSIFIED SUBJECT: 75 V

FELLOWSHIP NUMBER:

FILE NUMBER: [illegible] 75.2

AUTHOR: B. Gordon, Jr.,

AUTHOR'S POSITION AND ADDRESS: M.D. Jefferson Medical College, Philadelphia, Pa.

TITLE: Pulmonary Asbestosis.

	PERIODICAL	VOL.	NO.	PP.	DATE
ORIG. REFS.	Penn. Med. J.	35	39	637-39	'32
ABSTR. REFS.					

PAGES:	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
REFERENCES:	COST DATA:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:
CONCLUSIONS:	AUTHOR INDEX:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:
TABLES:	SUBJECT INDEX:	ORIGINAL AVAILABLE AT:			
GRAPHS:		CALL NUMBER:			

ABSTRACT: The author shows that although asbestos mining has been in production for a very long time, the appreciation that this occupation is an industrial hazard has only recently been recognized. The chest complaints of asbestos workers were usually diagnosed as tuberculosis. In the case quoted of a worker who has spent many years as a janitor in various factories, who complains of cough and pain in the chest, the case was diagnosed, clinically, as tuberculosis. The necropsy diagnosis shows asbestosis and an atypical tuberculosis. I.M.

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MELLON INSTITUTE OF INDUSTRIAL RESEARCH
PITTSBURGH, PA.

FORM 76-1000-5-30

CLASSIFIED SUBJECT	FELLOWSHIP NUMBER	FILE NUMBER
75 Y		752

AUTHOR: P. Heffernan
AUTHOR'S POSITION AND ADDRESS:

TITLE: Pneumoconiosis with Special Reference to Stonemasons.

	PERIODICAL	VOL.	NO.	PP.	DATE
ORIG. REFS.:	Tubercle	13		193-99	1932 Feb.
ABSTR. REFS.:	J I H	14		146	1932

PAGES:	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
REFERENCES:	COST DATA:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:
CONCLUSIONS:	AUTHOR INDEX:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:
TABLES:	SUBJECT INDEX:	ORIGINAL AVAILABLE AT:			
GRAPHS:		CALL NUMBER:			

ABSTRACT: Asbestos is composed of magnesia contained in minute pores of silica matrix, which forms the asbestos fiber. The magnesia can be dissolved, leaving a fiber of pure silica; this physical form may contain the toxic properties of asbestos. In the case of shales, quarts particles are protected by argillaceous material.

This physico-chemical study is supplemented by general considerations of silicosis.

I.M. CONT'D:

DATE EXAMINED: BY: PURPOSE OF SEARCH:

ABSTRACT BLANK FOR ALL PERIODICALS AND REGULARLY ISSUED PROCEEDINGS.

Asbestosis has not been suspected before death, which shows the importance of the occupational history in the study of pulmonary disease.

MELLON INSTITUTE OF INDUSTRIAL RESEARCH
PITTSBURGH, PA.

FORM 78 10M 8-36

CLASSIFIED SUBJECT: 75 r

FELLOWSHIP NUMBER:

FILE NUMBER: 22752

DOB 40-1

AUTHOR: O. A. Stock

AUTHOR'S POSITION AND ADDRESS:

TITLE: Pulmonary Asbestosis.

	PERIODICAL	VOL.	NO.	PP.	DATE		PERIODICAL	VOL.	NO.	PP.	DATE
ORIG REPT:	Med. Bull. Vet's. Admin.	10		126-9	1933	ABSTR. REPT:	J I H	16		103	'34

PAGES:	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
REFERENCES:	COST DATA:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:
CONCLUSIONS:	AUTHOR INDEX:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:
TABLES:	SUBJECT INDEX:	ORIGINAL AVAILABLE AT:			
GRAPHS:		CALL NUMBER:			

ABSTRACT: Case report.

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FORM 70 REV 9-56

	CLASSIFIED SUBJECT		FELLOWSHIP NUMBER	FILE NUMBER
✓	15 ✓			58752. DSR-6528

AUTHOR: S. R. Gloyne

AUTHOR'S POSITION AND ADDRESS:

TITLE: The Morbid Anatomy and Histology of Asbestosis.

	PERIODICAL	VOL.	NO.	PP.	DATE
ORIG REFS:	Tubercle	14	J1	495-51, 493,550-8	1933
ABSTR. REFS:	B H J I H	8	16	311-2 127	'33 '33

PAGES:	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
REFERENCES:	COST DATA:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:
CONCLUSIONS:	AUTHOR INDEX:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:
TABLES:	SUBJECT INDEX:	ORIGINAL AVAILABLE AT:			
GRAPHS:		CALL NUMBER:			

ABSTRACT: Kinds of asbestos are discussed and conditions in asbestos industry. Symptoms, chemical findings and pathological changes due to asbestosis, are described.

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dusts belong to the group of active dusts, producing active lesions in the subcutaneous tissues as well as serious pulmonary fibrosis, and assisting the growth of tubercle bacilli.

MELLON INSTITUTE OF INDUSTRIAL RESEARCH
PITTSBURGH, PA.

FORM 79 10M 8-36

CLASSIFIED SUBJECT: 737

FELLOWSHIP NUMBER:

FILE NUMBER: A 752

DECLASS

AUTHOR: F. Ellman

AUTHOR'S POSITION AND ADDRESS: Tuberculosis Officer, East Ham Tuberculosis Dispensary (London)

TITLE: Pulmonary Asbestosis.

	PERIODICAL	VOL.	NO.	PP.	DATE
ORIG REPT.	Lancet	224	b A	252-5	'33
	J I H	15		13	'33
ABSTR. REPT.	Morgagni (DSE 7)	76		16-8	'34

PAGES:	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
REFERENCES:	COST DATA?	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:
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TABLES:	SUBJECT INDEX:	ORIGINAL AVAILABLE AT:			
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ABSTRACT: Read before London Tuberculosis Soc.

The reference DSE 7 is credited to Amendola in DSE.

Clinical, radiological and pathological features of the condition and the risks of tuberculosis are discussed. Asbestosis is recognized as distinct from silicosis, depending on the presence of free silica, and from the silicatoses arising from inhalation of various dusts of fibrous minerals of the silicate group including asbestos. The pulmonary asbestosis, the degree of respiratory embarrassment was usually greater than that of an equally advanced case of silicosis and the former is in fact a severer disease. Silica and asbestos cont'd.

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FORM 70 10M 8-36

CLASSIFIED SUBJECT: 7 2

FELLOWSHIP NUMBER:

FILE NUMBER: 43. 752

D99-635

AUTHOR: W. B. Wood

AUTHOR'S POSITION AND ADDRESS:

TITLE: Pneumoconiosis, Part II.- Pulmonary Asbestosis.

	PERIODICAL	VOL.	NO.	PP.	DATE
ORIG REFS.	Brit. J. Radiol.	7		277-80	1934
ABSTR. REFS.	J I H B H	16 9		1C2 598	'34 '34

PAGES:	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
REFERENCES:	COST DATA:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:
CONCLUSIONS:	AUTHOR INDEX:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:
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FORM 78 10M 9-38

CLASSIFIED SUBJECT	FELLOWSHIP NUMBER	FILE NUMBER
75 V.		01 · 752

133-1620

AUTHOR: S. T. Goodhouse

AUTHOR'S POSITION AND ADDRESS:

TITLE: The Morbid Anatomy and Histology of Asbestosis.

	PERIODICAL	VOL.	NO.	PP.	DATE		PERIODICAL	VOL.	NO.	PP.	DATE
ORIG REPT:	Tubercle	14		451,493	'33	ABSTR. REPT:					

PAGES:	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
REFERENCES:	COST DATA:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:
CONCLUSIONS:	AUTHOR INDEX:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:
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MELLON INSTITUTE OF INDUSTRIAL RESEARCH
PITTSBURGH, PA.

FORM 70 1M 8-36

CLASSIFIED SUBJECT: 7.2

FELLOWSHIP NUMBER:

FILE NUMBER: CR. 7.52
DS-406

AUTHOR: W. D. Wood and S. R. Cloyne

AUTHOR'S POSITION AND ADDRESS:

TITLE: Pulmonary Asbestosis. A Review of One Hundred Cases.

	PERIODICAL	VOL.	NO.	PP.	DATE
ORIG REFS.	Lancet	227		1303-5	'34
ABSTR REFS.	B M J	10 17		219-20 33	'35 "

PAGES:	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:	
DISCUSSION (PP.):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:	
REFERENCES:	COST DATA:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:	
CONCLUSIONS:	AUTHOR INDEX:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:	
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ABSTRACT: The differentiation of the cases and their clinical symptoms are described.

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MELLON INSTITUTE OF INDUSTRIAL RESEARCH
PITTSBURGH, PA.

FORM 79 REV 9-38

NUMBER 41.752

AUTHOR: P. Ellmann
AUTHOR'S POSITION AND ADDRESS:

TITLE: Pneumoconiosis. Part III - Pulmonary Asbestosis.

	PERIODICAL	VOL.	NO.	PP.	DATE		PERIODICAL	VOL.	NO.	PP.	DATE
ORIG REFS:	Brit. J. Radiol.	7		201-95	1934	ABSTR. REFS:	J I H B H	16 9		103 538	'34 '34

PAGES:	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:	
DISCUSSION (PP):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:	
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CONCLUSIONS:	AUTHOR INDEX:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:	
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ABSTRACT:

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MELLON INSTITUTE OF INDUSTRIAL RESEARCH
PITTSBURGH, PA.

CLASSIFIED SUBJECT: 75 ✓ | FELLOWSHIP NUMBER: | FILE NUMBER: 10,752

AUTHOR: P. I. Jaeger
AUTHOR'S POSITION AND ADDRESS:

TITLE: More on Asbestosis Bodies.

	PERIODICAL	VOL.	NO.	PP.	DATE
ORIG. REPT.:	Virchow's Arch.	293		530-9	'34
ABSTR. REPT.:	J. Ind. Hyg.	17		32	'35

PAGES:	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
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CONCLUSIONS:	AUTHOR INDEX:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:
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ABSTRACT:

The mechanical irritation of the lung through breathing asbestos dust does not seem to be important, for the symptoms of the disease appear after the irritating effect has diminished or completely stopped. The harm in the case of asbestosis as in ordinary Silicosis is caused by the solution of the silica lattice of the asbestos fibres. From there the asbestosis follows a more rapid and more severe than ordinary CONT'D

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"Silicosis". The reduction of the silica dust in the preliminary condition for the development of the bodies "fibrosis" that becomes significant after the deduction of the asbestos bodies from the lungs. During the reduction of the silica, a process called retardation stops the formation of the bodies, the decomposition of some dust is sufficient to bring out the symptoms of the disease. At this stage the asbestos is seen and is normal "Silicosis".

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PITTSBURGH, PA.

CLASSIFIED SUBJECT		FELLOWSHIP NUMBER	FILE NUMBER
7 5 7			[illegible] 752

AUTHOR: F. J. Dyer
AUTHOR'S POSITION AND ADDRESS:

TITLE: The Noxious Constituent in Asbestosis and Silicosis.

	PERIODICAL	VOL.	NO.	PP.	DATE
ORIG. REF'S:	Medizin. Klinik	30		1222-7 1258-61	'34
ABSTR. REF'S:	B H J I H	10 17		145-6 32	35 35

PAGES:	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
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CONCLUSIONS:	AUTHOR INDEX:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE
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GRAPHS:		CALL NUMBER:			

ABSTRACT: The article is a discussion from the point of view of the chemist as to whether the sole causative factor of silicosis is SiO_2 or whether silicates also must be held responsible. Asbestos is considered as occupying a critical position. The biochemical reactions of asbestos fibre in the lung are described; the fibre loses its rigidity and an electrolytic reaction is reproduced, especially at the poles of the fibre which results in the absorption of protein and the formation of the clubshaped asbestosis body. Then the fibre breaks up and is reabsorbed in the tissue fluids. The irritating effects of the asbestos fibre on the lung tissue is discussed at length. The author believes, CONT'D

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however, that not the mechanical irritation of the fibre determines the fibrosis but the solution and subsequent absorption of the silicic acid. A certain fibre concentration in the lung must be present to liberate sufficient silicic acid for the production of detectable fibrosis, no numerical limits, however, have been established. Other silicates, sericite, etc. probably act in a similar way.

MELLON INSTITUTE OF INDUSTRIAL RESEARCH
PITTSBURGH, PA.

FORM 73-1514-5

1 / 87 1 752

AUTHOR: J. Donnelly, M.D.,
AUTHOR'S POSITION AND ADDRESS: Mecklenburg Sanatorium, Huntersville, N.C.

TITLE: Pulmonary Asbestosis.

ORIG. REFS.:	PERIODICAL	VOL.	NO.	PP.	DATE	ABSTR. REFS.:	PERIODICAL	VOL.	PP.	DATE
	A J P H	23	12	1275-81	'33					

PAGES:	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
REFERENCES:	COST DATA:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:
CONCLUSIONS:	AUTHOR INDEX:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSES:
TABLES:	SUBJECT INDEX:	ORIGINAL AVAILABLE AT: Reprint on file			
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ABSTRACT: The harmful dusts in asbestos mining and manufacturing are described, symptoms and physical signs of asbestosis are explained. Desirability of including this disease in compensation laws is discussed.

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MELLON INSTITUTE OF INDUSTRIAL RESEARCH
PITTSBURGH, PA.

CLASSIFIED SUBJECT: 757

FELLOWSHIP NUMBER:

FILE NUMBER: 28..752

DSH 2-14

AUTHOR: E. R. A. Merewether

AUTHOR'S POSITION AND ADDRESS:

TITLE: Memorandum on Asbestosis.

	PERIODICAL	VOL.	NO.	PP.	DATE
ORIG REPT.	Tubercle	15	[68-81] 109-10, 152-59		1934
ABSTR. REPT.	J I H	16		56	·34
	B H	9		230	·34

PAGES:
DISCUSSION (PP.)
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CONCLUSIONS:
TABLES
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ABSTRACT

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THEORETICAL:
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MELLON INSTITUTE OF INDUSTRIAL RESEARCH
PITTSBURGH, PA.

FORM 78 REV. 7-38

CLASSIFIED SUBJECT	FELLOWSHIP NUMBER	FILE NUMBER
75		54 752

Dec. 6, 1940

AUTHOR: A. J. Lanza, Wm. J. McConnell and J. W. Fehnel

AUTHOR'S POSITION AND ADDRESS:

TITLE: Effects of the Inhalation of Asbestos Dust on the Lungs of Asbestos Workers.

	PERIODICAL	VOL.	NO.	PP.	DATE
ORIG. REFS.	P H R	50		1-12	Ja. '35
ABSTR. REFS.	J I H	17	2	33	F '35
	B H	10		554	'35
	S E	59		98	'35

PAGES:	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
REFERENCES:	COST DATA:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:
CONCLUSIONS:	AUTHOR INDEX:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:
TABLES:	SUBJECT INDEX:	ORIGINAL AVAILABLE AT: Reprint on file			
GRAPHS:		CALL NUMBER:			

ABSTRACT: A preliminary report on the health hazards in asbestos mines and fabricating plants is given. The findings of this study are well summarized by the authors conclusions and recommendations. 1- prolonged exposure to asbestos dust caused a pulmonary fibrosis of a type different from "Silicosis" and demonstrable on X-Ray films. Clinically it appears to be of a type milder than "Silicosis".

2 - Cases of definite cardiac enlargement were frequently found to be associated with asbestosis.

3 - A predisposition to tuberculosis due to asbestos dust was not indicated in this study.

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4 - Asbestosis as observed in this series of cases had not resulted in marked disability of the case.

5 - It is not known how much asbestosis may add to the mortality of pneumonia and acute nontuberculosis pulmonary infections.

6 - It is not practicable as yet to establish standards for the asbestos dust content of the air.

7 - The amount of dust in the air in the asbestos plant studies can be substantially reduced.

It is recommended :-

1 - That the industry seriously face the problem of dust control in asbestos plants.

2. - That new employees be examined physically, inc. X-Ray examinations of the chest, and rejected for employment if they show tuberculosis or pneumoconiosis.

3 - That employees be examined physically, preferably every 2 years, this examination to include an X-Ray examination of the chest.

4 - That the industry sponsors studies on known cases of asbestosis.

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PITTSBURGH, PA.

FORM 70-1000-A-5

		FELLOWSHIP NUMBER	FILE NUMBER
	752		52-752

AUTHOR: T. Oliver,
AUTHOR'S POSITION AND ADDRESS:

TITLE: Pulmonary Asbestosis

	PERIODICAL	VOL.	NO.	PP.	DATE		PERIODICAL	VOL.	PP.	DATE
ORIG. REPT.	Bull. mém. soc. méd. hôp. Paris	423			June '35	ABSTR. REPT.	J. Ind. Hyg.	17	128	'35

PAGES:	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
REFERENCES:	COST DATA:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:
CONCLUSIONS:	AUTHOR INDEX:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:
TABLES:	SUBJECT INDEX:	ORIGINAL AVAILABLE AT:			
GRAPHS:		CALL NUMBER:			

ABSTRACT: Pulmonary asbestosis is an occupational dust disease of slow development during the progress of which the spongy portions of the lung become gradually replaced by unyielding fibro-connective tissues, and like silicosis its pathology has been variously interpreted. The author describes a few cases and refers to the Bulletin de l'Inspection du Travail calling attention to the high mortality of workers in an asbestos factory. Symptoms of Asbestosis. Worker has a susceptibility cont'd. OVER

DATE EXAMINED: BY: PURPOSE OF SEARCH:

ABSTRACT BLANK FOR ALL PERIODICALS AND REGULARLY ISSUED PROCEEDINGS.

...ic acid on the skin, becomes thinner and rich
of breath on exertion, cough is frequent. There is also
complaint of progressive weakness, loss of appetite etc
the heart is usually normal
X-ray examination shows indication of infiltration
of the lung below a line joining the 3rd rib posteriorly
with the 4th rib anteriorly.
Autopsy reveals asbestosis bodies in the lower lungs,
and a fibrosis of the lower lobes. Opinions vary as
to whether these bodies are characteristic of asbestosis.
In a recent paper E. Williams details several instances
of similar foreign bodies in the lungs of coal miners
with no history of asbestos exposure. The foreign bodies
were also found in cases of coal miners treated at
the Royal Infirmary at Cardiff.

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FORM 77 — 1948

CLASSIFIED SUBJECT			FELLOWSHIP NUMBER	FILE NUMBER
	75 v			88 752

~~D38-5, 111~~

AUTHOR: L. Harts

TITLE: Asbestosis and tuberculosis of the lungs.

ORIG. REFS.	VOL.	PP.	DATE	ABSTR. REFS.	VOL.	PP.	DATE
Ztschr. Tuberk.	72	11-15	'35	J I H	17	60	May '35

ABSTRACT: A women was employed in an asbestos factory from 1920 to 1925 and again from Nov. 1931 to Sept. 1932. In Nov. 1932, she showed the first signs of illness, and in 1934 was shown to have asbestosis, and tuberculous cavities in the lungs.

CONT'D.: ✓

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PITTSBURGH, PA.

FORM TO 1000 8-36

	CLASSIFIED SUBJECT		FELLOWSHIP NUMBER	FILE NUMBER
	152			13 752

AUTHOR: S. R. Cloyne
AUTHOR'S POSITION AND ADDRESS:

TITLE: Two Cases of Squamous Carcinoma of the Lung Occurring in Asbestosis.

	PERIODICAL	VOL.	NO.	PP.	DATE
ORIG REFS.	Tubercle	17		5-10	Oct. '35
ABBR. REFS.	J I H B H	18 11	3	8 183	'36 '36

PAGES:	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:	
DISCUSSION (PP.):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:	
REFERENCES:	COST DATA:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:	
CONCLUSIONS:	AUTHOR INDEX:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:	
TABLES:	SUBJECT INDEX:	ORIGINAL AVAILABLE AT:				
GRAPHS:		CALL NUMBER:				

ABSTRACT: The combination of asbestosis with carcinoma was fatal in two cases, where neither alone would have caused death.

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FORM TO 4004 6-37

CLASSIFIED SUBJECT: 757 | FELLOWSHIP NUMBER: | FILE NUMBER: 21 753

AUTHOR: Robert C. Page

AUTHOR'S POSITION AND ADDRESS: M. D. 120 N. Oak Park Ave., Oak Park, Ill. See also 71.

TITLE: A study of the sputum in pulmonary asbestosis.

ORIG. REFS.	VOL.	PP.	DATE	ABSTR. REFS.	VOL.	PP.	DATE
Am. J of Med. Sciences	189	44-55	'35	J I H	17	59	May '35
				A R T	33	80	'36

PAGES:	GRAPHS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	ILLUSTRATIONS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
REFERENCES:	MAPS:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:
CONCLUSIONS:	COST DATA:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:
TABLES:	INDEX: AUTH.: SUBJ.:	ORIGINAL AVAILABLE AT: Reprint on file.			CALL NO.:

ABSTRACT: A brief resume of pulmonary asbestosis is presented, with particular emphasis on the role played by asbestosis bodies and clumps. A series of 33 cases of asbestos workers have been studied and kept under observation for a period of the last five years. In the 11 cases that died, the diagnosis of asbestosis was verified by autopsy findings. The incidence of tuberculosis in this series of cases was 21% which is in accord with other workers.

CONT'D.

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FORM 78 1044 8-36

AUTHOR Carl G. Egbert
AUTHOR'S POSITION AND ADDRESS

TITLE Pulmonary Asbestosis.

	PERIODICAL	VOL.	NO.	PP.	DATE		PERIODICAL	VOL.	NO.	PP.	DATE
ORIG REPT.	A R T	31		25-34	'35	ABSTR REPT.	A J R J I H	36 17	1g. 5y	235 59	'36 '35

PAGES	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:	
DISCUSSION (PP.)	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:	
REFERENCES	COST DATA:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:	
CONCLUSIONS:	AUTHOR INDEX:	ENGINEERING	STATISTICAL:		USELESS FOR PURPOSE	
TABLES:	SUBJECT INDEX:	ORIGINAL AVAILABLE AT: Reprint on file				
GRAPHS:		CALL NUMBER:				

ABSTRACT: Necropsy findings on a case of asbestosis with 13 years exposure in the carding room of an asbestos factory. A clinical diagnosis of this case was reported by Soper (these abst's 1931, vol. 13, p. 49). Death occurred suddenly from heart failure 4 years after the onset of symptoms and 3 1/2 years after discontinuing work. Asbestosis bodies, described in some detail, were numerous throughout the areas of fibrosis.

The discussion of this case report contains a table summarizing the anatomical findings from 28 cases of asbestosis collected from the literature.

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CLASSIFIED SUBJECT: 75 ✓ | FELLOWSHIP NUMBER: | FILE NUMBER: GP 752. DF [illegible] 196

AUTHOR: Dan S. Egbert and Arthur J. Geiger,

AUTHOR'S POSITION AND ADDRESS: Dept. of Pathology and the Dept. of Inter. Med., Yale Univ. School of Med., New Haven, Conn. M.D.

TITLE: Pulmonary Asbestosis and Carcinoma. (Report of a Case with Necropsy Findings).

	PERIODICAL	VOL.	NO.	PP.	DATE
ORIG REPT:	A R T	34	1	143-60	Jl. '58
ABSTR. REPT:					

	PERIODICAL	VOL.	NO.	PP.	DATE

PAGES:	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT: ✓
DISCUSSION (PP.):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
REFERENCES:	COST DATA:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:
CONCLUSIONS:	AUTHOR INDEX:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:
TABLES:	SUBJECT INDEX:	ORIGINAL AVAILABLE AT: Reprint on file.			
GRAPHS:		CALL NUMBER:			

ABSTRACT:

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MELLON INSTITUTE OF INDUSTRIAL RESEARCH
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FORM 70-1C-M-53

CLASSIFIED SUBJECT	FELLOWSHIP NUMBER	FILE NUMBER
15 Y		35 E 752 DS Dup 32

AUTHOR: J. Donnelly, M.D.,

AUTHOR'S POSITION AND ADDRESS: Mecklenburg Sanatorium, Huntersville, N. C.

TITLE: Pulmonary Asbestosis - Incidence and Prognosis.

	PERIODICAL	VOL.	NO.	PP.	DATE
ORIG. REFS.	J I H V 3 5 1 A	18	4	222-8	'36
ABSTR. REFS.	B H L P H J Gould. U A J	38 39 38	249 258 Apr. 223,	'35 '35 '36

PAGES:	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
REFERENCES:	COST DATA:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:
CONCLUSION:	AUTHOR INDEX:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:
TABLES:	SUBJECT INDEX:	ORIGINAL AVAILABLE AT:			
GRAPHS:		CALL NUMBER:			

ABSTRACT: Asbestosis has increased greatly in recent years, with the corresponding growth in the asbestos industry. Complete protection from asbestos dust is probably impossible, but all possible precautions must be taken. X-ray and other methods of diagnosis are necessary. Some cases are described in detail.

Used cit: BH 11.604 'c ... Colo. D.A. v. U.S.

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DATE EXAMINED: BY: F. R. 4-18-56 PURPOSE OF SEARCH:

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FORM 76

CLASSIFIED SUBJECT: Abs. 304 | 75 ✓ | FELLOWSHIP NUMBER: | FILE NUMBER: 752

AUTHOR: R. R. Sayers

AUTHOR'S POSITION AND ADDRESS:

TITLE: Relationship of asbestosis and silicosis to disability.

PUB. DESIGNATION AND SERIAL NO.: U.S.Div.Labor Stands. Bull. #4 ✓	REVIEWED IN:	VOL.	PP.	DATE
PLACE PUBLISHED AND PUBLISHER: I.A.I.A.B.C.	J I H	19	131	June '37
EDITION: DATE: 1936 VOL.: LIST PRICE:				

PAGES: 70-5	GRAPHS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	ILLUSTRATIONS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
REFERENCES:	MAPS:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:
CONCLUSIONS:	COST DATA:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:
TABLES:	INDEX (AUTH.) (SUBJ.)	ORIGINAL AVAILABLE AT: See Bulletin #4 - bookcase.			CALL NO.:

ABSTRACT: See Abstract Bulletin.

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FORM 77

AUTHOR: Windel

TITLE: Asbestosis and its prevention.

ORIG. REFS.	VOL.	PP.	DATE	ABSTR. REFS.	VOL.	PP.	DATE
				J I H	19	112	May '37

ABSTRACT:

ASBESTOSIS AND ITS PREVENTION. *Windel. Arbeitsschutz, pp. 9-16 (1937).*

On behalf of the North German Textile Association, a survey was made of 11 asbestos factories employing 331 workers. An incomplete table (as the author points out) shows 22 cases of asbestosis and 13 deaths. After a short description of the clinical and x-ray picture there follows a careful description with many illustrations of the exhaust systems needed for certain processes and machines.—*L. Telcky.*

CONT'D.

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FORM 20 REV. 1937

CLASSIFIED SUBJECT: Abs. 004 | 754 | FELLOWSHIP NUMBER: | FILE NUMBER: 52 452

AUTHOR: W. C. Dreessen, J. M. Dallavalle, T. I. Edwards, J. W. Miller and R.R. Sayers

AUTHOR'S POSITION AND ADDRESS:

TITLE: A study of asbestosis in the asbestos textile industry.

PUB DESIGNATION AND SERIAL NO.: Public Health Bulletin No. 241

PLACE PUBLISHED AND PUBLISHER: Government Printing Office.

REVIEWED IN: | VOL. | PP. | DATE

EDITION: DATE: Aug '38 VOL.: LIST PRICE: 20 cents

PAGES: 125	GRAPHS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	ILLUSTRATIONS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
REFERENCES:	MAPS:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:
CONCLUSIONS:	COST DATA:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:
TABLES:	INDEX: AUTH.: SUBJ.:	ORIGINAL AVAILABLE AT: In library M I			CALL NO.:

ABSTRACT: See November bulletin. Copy in file

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FORM 77 (JAN 1938)

Abs. 644 | 75 | | NUMBER 752

AUTHOR: F. Prockat

TITLE: The prevention of asbestosis in industry.

ORIG. REFS.	VOL.	PP.	DATE	ABSTR. REFS.	VOL.	PP.	DATE
Staub	5	133-62	'37	B H	13	272	Apr'38
				J I H	20	161	Sept'38

ABSTRACT:

PREVENTION OF ASBESTOSIS IN INDUSTRY. *F. Prockat. Staub, no. 5, pp. 133-162 (1937).*

Description of asbestos, the various kinds, its uses and the way it is worked for various purposes. Many illustrations show how in certain processes dust can be decreased by proper installation of exhaust systems and practical planning.—*L. Telsky.*

CONT'D.

DATE EXAMINED: BY: PURPOSE OF SEARCH:

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H. LOY INSTITUTE OF INDUSTRIAL RESEARCH
PITTSBURGH, PA.

CLASSIFIED SUBJECT: Abs.360 | 752 | FELLOWSHIP NUMBER: | FILE NUMBER: CR 752

AUTHOR: T. Windel

TITLE: Asbestosis and its prevention.

ORIG. REPS.	VOL.	PP.	DATE	ABSTR. REPS.	VOL.	PP.	DATE
Arbeitsschutz		26-32	'38	J I H	20	107	May '38

ABSTRACT:

ASBESTOSIS AND ITS PREVENTION. *T. Windel. Arbeitsschutz. pp. 26-32 (1938).*

Continuing his earlier work (see these abstracts, vol. 19, p. 112, 1937), the author first presents more material on asbestosis in the textile industry. The number of asbestos workers has increased and now there are about 1300 in Germany, of whom about 1000 are considered to be dangerously exposed, including the weavers. Up to March 31, 1937 there have been 27 cases of asbestosis, of which 16 have been fatal. Since April 1, 1937, asbestosis has been legally rated as an industrial disease on an equal basis with accidents and since then (in 6 months) 10 cases have been indemnified. The earliest observed symptom of the disease is seen after 3 or 4 yrs.' work. An x-ray should be taken of each new employee and each should be examined after 3 yrs. and then at intervals to be determined by the doctor. Above all, observers must prove whether or not a light case will inevitably progress in spite of removal from exposure.

With the help of many illustrations, the author shows obsolete and new, satisfactory protective measures and describes the technical improvements that are necessary.
—*L. Teleky.*

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FORM 77 (REV. 1938)

CLASSIFIED SUBJECT: Abs 109, 1939 | 75-V | FELLOWSHIP NUMBER: | FILE NUMBER: 152

AUTHOR: J. V. Sparks

TITLE: Asbestosis

ORIG. REFS.	VOL.	PP.	DATE	ABSTR. REFS.	VOL.	PP.	DATE
Brit. J. Radiol.	11	371-7	June 1938				

ABSTRACT: The paper describes the clinical and radiological signs of asbestosis. The chief complications are (1) purulent bronchitis, (2) broncho-pneumonia, (3) pulmonary tuberculosis, and (4) carcinoma.

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CLASSIFIED SUBJECT: Abs. 643 / I 757 /

FELLOWSHIP NUMBER:

FILE NUMBER: 97 752

AUTHOR: J. R. Glover and E. R. L. Meriwether

AUTHOR'S POSITION AND ADDRESS:

TITLE: Asbestos.

PUB. DESIGNATION AND SERIAL NO.	PLACE PUBLISHED AND PUBLISHER	REVIEWED IN:	VOL.	PP.	DATE
Occupation and Health, Supplement	I. L. O., Geneva	J. I. H.	20	150	Sept'38

EDITION: DATE: 1938 VOL.: LIST PRICE:

PAGES: 15	GRAPHS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	ILLUSTRATIONS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
REFERENCES:	MAPS:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:
CONCLUSIONS:	COST DATA:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:
TABLES:	INDEX: AUTH.: SUBJ.:	ORIGINAL AVAILABLE AT: On file.		CALL NO.:	

ABSTRACT: See September bulletin.

CONT'D:

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MELLON INSTITUTE OF INDUSTRIAL RESEARCH
PITTSBURGH, PA.

CLASSIFIED SUBJECT: 72

FELLOWSHIP NUMBER:

M 752

D95-0039

AUTHOR: W. B. Wood and S. R. Cloyne

AUTHOR'S POSITION AND ADDRESS:

TITLE: Pulmonary Asbestosis Complicated by Pulmonary Tuberculosis.

	PERIODICAL	VOL.	NO.	PP.	DATE
ORIG. REPT.	Lancet	2	Oc31	954-6	'31
ABSTR. REPT.	B H J I H	7	3.	157 66	'32 '32

PAGED:	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
REFERENCES	COST DATA:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:
CONCLUSIONS:	AUTHOR INDEX:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:
TABLES:	SUBJECT INDEX:	ORIGINAL AVAILABLE AT: P A M			
GRAPHS:		CALL NUMBER:			

ABSTRACT: Asbestos dust is considered most dangerous for young female workers as asbestosis leads mostly to tuberculosis. English legislation therefore forbids the employment of young persons under 18 years.

CONT'D.

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PITTSBURGH, PA.

FORM 76 10M 8-36

CLASSIFIED SUBJECT	FELLOWSHIP NUMBER	FILE NUMBER
75 V		3,752

AUTHOR: A. P. DeNirta
AUTHOR'S POSITION AND ADDRESS:

TITLE: Asbestos Warts.

	PERIODICAL	VOL.	NO.	PP.	DATE
ORIG REFS.	Arch. Derm. Syph.	161		1-5	'50
ABSTR. REFS.	B H	6	2	139-40	'31

PAGES:	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
REFERENCES:	COST DATA:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:
CONCLUSIONS:	AUTHOR INDEX:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:
TABLES:	SUBJECT INDEX:	ORIGINAL AVAILABLE AT:			
GRAPHS:		CALL NUMBER:			

ABSTRACT: Warts or corns of irregular shape occur in asbestos workers in places where asbestos fibres penetrate the skin; particularly in muscular joints of fingers and the palm of the hand or sole of the foot (of barefoot workers). They occur more in asbestos mines than in other divisions of asbestos industry.

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MELLON INSTITUTE OF INDUSTRIAL RESEARCH
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FORM 70-10M-4-39

CLASSIFIED SUBJECT: 75

FELLOWSHIP NUMBER:

FILE NUMBER: 752

DSIR 2048

AUTHOR: F. E. Tylecote and J. S. Dunn

AUTHOR'S POSITION AND ADDRESS:

TITLE: Asbestos-Like Bodies in Lungs of Coal Miner who had Never Worked in Asbestos.

	PERIODICAL	VOL.	NO.	PP.	DATE		PERIODICAL	VOL.	PP.	DATE
ORIG. REPT.:	Lancet	2		632-3	1931	ABSTR. REPT.:	B M	7	21	1932

PAGES:	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
REFERENCES:	COST DATA:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:
CONCLUSIONS:	AUTHOR INDEX:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:
TABLES:	SUBJECT INDEX:	ORIGINAL AVAILABLE AT:			
GRAPHS:		CALL NUMBER:			

ABSTRACT: The case of a man who has worked only in the Alabama and Lancashire coal-mines, but whose lungs after post-mortem examination showed little tuberculosis but that asbestos-shaped bodies were there in fair number all through the lungs. While these bodies resembled those found in the lungs of asbestos workers, in size, general shape, rounded swelling at the ends, in colour, or in their content of free iron, they differed from the familiar asbestos body in being coarser and less regular, in possessing a black core of opaque material and in the absence of any appearance of segmentation. They did not appear to have caused a very serious fibrous reaction in the lungs.

CONT'D.

DATE EXAMINED: BY: NKP PURPOSE OF SEARCH:

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MELLON INSTITUTE OF INDUSTRIAL RESEARCH
PITTSBURGH, PA.

FORM 70-1614-A

1 75 V 1 1 1 752
DSE-9AC4

AUTHOR: K. M. Lynch and W. A. Smith.
AUTHOR'S POSITION AND ADDRESS:

TITLE: Asbestosis, including Report of Pure Case. I,

	PERIODICAL	VOL.	NO.	PP.	DATE		PERIODICAL	VOL.	PP.	DATE
ORIG. REFS.:	A R T	22		571	'31	ABSTR. REFS.:				

PAGES:	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
REFERENCES:	COST DATA:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:
CONCLUSIONS:	AUTHOR INDEX:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSES:
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MELLON INSTITUTE OF INDUSTRIAL RESEARCH
PITTSBURGH, PA.

FORM 75-1M-4-35

752

AUTHOR: F. W. Simson and A. Sutherland-Strachan

AUTHOR'S POSITION AND ADDRESS:

TITLE: Asbestosis Bodies in Sputum; Specimens from Workers in Asbestos Mill.

	PERIODICAL	VOL.	NO.	PP.	DATE		PERIODICAL	VOL.	PP.	DATE
ORIG. REFD.	J P B	34		1-4	'31	ABSTR. REFD.	J I H B H	13 8	122 405	'31 '31

PAGES:	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
REFERENCES:	COST DATA:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:
CONCLUSIONS:	AUTHOR INDEX:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:
TABLES:	SUBJECT INDEX:	ORIGINAL AVAILABLE AT: P. A. M.			
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MELLON INSTITUTE OF INDUSTRIAL RESEARCH
PITTSBURGH, PA.

FORM 70-1000-5-30

AUTHOR: W. E. Cooke

AUTHOR'S POSITION AND ADDRESS:

TITLE: Silico-anthracosis Presenting Curious Bodies Similar to Those in Asbestosis.

	PERIODICAL	VOL.	NO.	PP.	DATE
ORIG. REFS.:	B M J	1		656-57	1932 Apr.
ABSTR. REFS.:	J I H	14		225	1932

PAGES:	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
REFERENCES:	COST DATA:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:
CONCLUSIONS:	AUTHOR INDEX:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:
TABLES:	SUBJECT INDEX:	ORIGINAL AVAILABLE AT: Reprint on file			
GRAPHS:		CALL NUMBER:			
ABSTRACT:					

I.M. CONT'D.

DATE EXAMINED: BY: PURPOSE OF SEARCH:

ABSTRACT BLANK FOR ALL PERIODICALS AND REGULARLY ISSUED PROCEEDINGS.

years, and in the third group exposures varied between 1 and 30 years with an average of 8.7 years (9.1 years if one short exposure of 1½ years is omitted).

Tuberculosis was not common; it was diagnosed in some degree, type not stated, in the following frequency: slightly advanced group 20%; moderately advanced, 11.1%; markedly advanced, 50%. The author does not believe that the operation played a significant rôle in the development or prognosis of asbestosis. Twenty-one of the group were re-examined 15 months after discharge from the industry. In the first group there was little tendency to progression, in the second, there was some in 2 of 7 cases re-examined; in the third group, 4 of 5 cases showed no improvement.

The author tabulates the radiographic findings characteristic of asbestosis as follows:

1. Emphysematous type of chest.
2. Flaring of lower ribs.
3. Trachea not displaced.
4. Diffuse fine to coarse fibrosis reaching the periphery, interstitial in character, differentiating from the roentgenologic appearance of silicosis.
5. Hazy ground-glass appearance of lung fields.
6. Increased density of all pleural markings.
7. Shaggy appearance of the cardiac outline.
8. Tendency toward right-sided cardiac enlargement.
9. Disproportionate rise of left diaphragm.
10. Degree of cardiac involvement is not consistent with that of pulmonary involvement.

In his conclusions he states that "while the roentgenogram is the most reliable diagnostic aid, the interpretation and correlation with clinical signs and symptoms is often difficult. Without the history of exposure a certain number of slightly advanced cases will not be recognized," that "a fair percentage of the slightly advanced and moderately advanced cases do tend to improve and the attendant disabilities to become lessened when removed from asbestos dust," that "asbestosis does not predispose to tuberculosis" and that from his observations asbestosis is not a progressive disease.—*Leroy U. Gardner.*

MELLON INSTITUTE OF INDUSTRIAL RESEARCH
PITTSBURGH, PA.

FORM 70 10M 6-36

CLASSIFIED SUBJECT: 15 ✓

FELLOWSHIP NUMBER:

FILE NUMBER: 62,752

D: 647

AUTHOR: S. R. Cloyne

AUTHOR'S POSITION AND ADDRESS:

TITLE: Infra-red Photomicrographs of Asbestosis Lung.

	PERIODICAL	VOL.	NO.	PP.	DATE		PERIODICAL	VOL.	NO.	PP.	DATE
ORIG REPT.	Tubercle	14	5	208-9	'33	ABSTR REPT.	J I H	15		44	'33

PAGES	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
REFERENCES:	COST DATA:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:
CONCLUSIONS:	AUTHOR INDEX:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:
TABLES:	SUBJECT INDEX:	ORIGINAL AVAILABLE AT:			
GRAPHS:		CALL NUMBER:			

ABSTRACT: Infra-red photography shows asbestosis bodies in finer detail than ordinary photomicrographs.

CONT'D: ✓

DATE EXAMINED: BY: PURPOSE OF SEARCH:

ABSTRACT BLANK FOR ALL PERIODICALS

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FORM 70 (10M 6-37)

CLASSIFIED SUBJECT: 75 ✓ | FELLOWSHIP NUMBER: | dd 7/52

AUTHOR: Timothy Leary ✓

AUTHOR'S POSITION AND ADDRESS: M.D., Medical Examiner, Suffolk County, 43 Bay State Rd., Boston, Mass.

TITLE: Variation in lung lesions produced by silica and the silicates.

ORIG. REFS.:	VOL.	PP.	DATE	ABSTR. REFS.:	VOL.	PP.	DATE
Safety Eng.	68	41-42	July '34				

PAGES:	GRAPHS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	ILLUSTRATIONS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
REFERENCES:	MAPS:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR: USELESS FOR PURPOSE:
CONCLUSIONS:	COST DATA:	ENGINEERING:	STATISTICAL:		
TABLES:	INDEX AUTH.: SUBJ.:	ORIGINAL AVAILABLE AT: No reprints.		CALL NO.:	

ABSTRACT: A study of several cases of silicosis and asbestosis.

CONT'D.: ✓

DATE EXAMINED: BY: FI PURPOSE OF SEARCH:

ABSTRACT BLANK FOR PERIODICALS AND REGULARLY ISSUED PROCEEDINGS.

MELLON INSTITUTE OF INDUSTRIAL RESEARCH
PITTSBURGH, PA.

FORM 7-1-1-1-1-1

FELLOWSHIP NUMBER	FILE NUMBER
	42. 752

AUTHOR: E. Williams

AUTHOR'S POSITION AND ADDRESS:

TITLE: "Curious Bodies" found in the Lungs of Coal Workers.

	PERIODICAL	VOL.	NO.	PP.	DATE		PERIODICAL	VOL.	PP.	DATE
ORIG. REFS.:	Lancet (2)	227		541-2	1934	ABSTR. REFS.:	J I H B H	16 9	132 799	'34 '34

PAGES:	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
REFERENCES:	COST DATA:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:
CONCLUSIONS:	AUTHOR INDEX:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:
TABLES:	SUBJECT INDEX:	ORIGINAL AVAILABLE AT:			
GRAPHS:		CALL NUMBER:			
ABSTRACT:					

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737 | NUMBER | 0.753
DSE

MELLON INSTITUTE OF INDUSTRIAL RESEARCH
PITTSBURGH, PA.

FORM 76 1000 6-36

AUTHOR: F. J. Jäger
AUTHOR'S POSITION AND ADDRESS:

TITLE: Asbestosis; Particle-Construction.

PERIODICAL	VOL.	NO.	PP.	DATE	PERIODICAL	VOL.	NO	PP.
OPID REFS (Ger.) D M W	60		231	1934	ABSTR. REFS:			

PAGES:	ILLUSTRATIONS:	GENERAL:	THEORETICAL: ✓	ECONOMIC:	EXCELLENT:	
DISCUSSION (PP):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:	
REFERENCES:	COST DATA:	POPULAR:	EXPERIMENTAL:	PROPAGANDA.	FAIR:	
CONCLUSIONS:	AUTHOR INDEX:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:	
TABLES:	SUBJECT INDEX:	ORIGINAL AVAILABLE AT:				
GRAPHS:		CALL NUMBER:				

ABSTRACT: The material is largely the same as amplified later in 54 ~~0 11~~ and ~~3 2~~.

See DSE.

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ABSTRACT BLANK FOR ALL PERIODICALS AND REGULARLY ISSUED PROCEEDINGS.

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FORM 70 1000 8-36

CLASSIFIED SUBJECT: 73 ✓ | NUMBER: 752 ~~D&H-660~~

AUTHOR: V. J. Stewart

AUTHOR'S POSITION AND ADDRESS:

TITLE: Concentration Method for the Demonstration of Asbestos Bodies in the Sputum.

	PERIODICAL	VOL.	NO.	PP.	DATE
ORIG REFS:	J. Tech. Methods	13		70-71	1934
ABSTR. REFS:					

PAGES:	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
REFERENCES:	COST DATA:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:
CONCLUSIONS:	AUTHOR INDEX:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:
TABLES:	SUBJECT INDEX:	ORIGINAL AVAILABLE AT:			
GRAPHS:		CALL NUMBER:			

ABSTRACT:

I.M. CONT'D.

DATE EXAMINED: BY: PURPOSE OF SEARCH:

ABSTRACT BLANK FOR ALL PERIODICALS AND REGULARLY ISSUED PROCEEDINGS.

CLASSIFIED SUBJECT: 75 V

41: 752

DES-884

AUTHOR: G. Guarelli and A. Velicogna

AUTHOR'S POSITION AND ADDRESS:

TITLE: Trachitis from Asbestos.

	PERIODICAL	VOL.	NO.	PP.	DATE		PERIODICAL	VOL.	NO.	PP.	DATE
ORIG REPS:	(It.) M L	25		218-23	1934	ABSTR. REPS:					

PAGES:	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
REFERENCES:	COST DATA:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:
CONCLUSIONS:	AUTHOR INDEX:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:
TABLES:	SUBJECT INDEX:	ORIGINAL AVAILABLE AT:			
GRAPHS:		CALL NUMBER:			

ABSTRACT:

CONT'D.

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FORM 79 10M 9-36

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FORM 78 (REV. 6-37)

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FORM 79 10M 1947

CLASSIFIED SUBJECT: 757

REFERENCE NUMBER: 752

AUTHOR: William D. Fulton, M.D., Robert L. Boutz, Allen Dooley & Julia L. Matthews

AUTHOR'S POSITION AND ADDRESS: Chief, Ind. Hyg. Div.,

TITLE: Asbestosis: Part I. The collection and counting of dust encountered in asbestos fabricating plants.

PUB. DESIGNATION AND SERIAL NO.: #37 Penna. Dept. Labor & Ind. Spec. Bull. REVIEWED IN: VOL. PP. DATE

PLACE PUBLISHED AND PUBLISHER:

EDITION: DATE: 1951 VOL.: LIST PRICE:

PAGES: 9	GRAPHS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	ILLUSTRATIONS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
REFERENCES:	MAPS:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:
CONCLUSIONS:	COST DATA:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:
TABLES:	INDEX: AUTH.: SUBJ.:	ORIGINAL AVAILABLE AT: Reprint on file.		CALL NO.:	

ABSTRACT:

CONT'D

DATE EXAMINED: BY: PURPOSE OF SEARCH:

ABSTRACT BLANK FOR BOOKS, BULLETINS, ADVERTISING BOOKLETS, ETC.

MELLON INSTITUTE OF INDUSTRIAL RESEARCH
PITTSBURGH, PA.

FORM 70 1000 5-36

CLASSIFIED SUBJECT: 70 ~

FELLOWSHIP NUMBER:

FILE NUMBER: 702

AUTHOR: C. W. Chamberlain

AUTHOR'S POSITION AND ADDRESS:

TITLE: Asbestosis as an Industrial Disease. (1934)

	PERIODICAL	VOL.	NO.	PP.	DATE
ORIG REFS:					
ABSTR. REFS:					

PAGES:	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
REFERENCES:	COST DATA:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:
CONCLUSIONS:	AUTHOR INDEX:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:
TABLES:	SUBJECT INDEX:	ORIGINAL AVAILABLE AT:			
GRAPHS:		CALL NUMBER:			

ABSTRACT: Radio Talk No. 209. Mar. 2, '34. Ill. State Dept. Public Health.

CONT'D

DATE EXAMINED: BY PURPOSE OF SEARCH:

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MELLON INSTITUTE OF INDUSTRIAL RESEARCH
PITTSBURGH, PA.

FORM 76-1000-8

AUTHOR: Oliver Bowles and B. H. Stoddard

AUTHOR'S POSITION AND ADDRESS:

TITLE: Asbestos.

	PERIODICAL	VOL.	NO.	PP.	DATE
ORIG. REFS.	Minerals Yrbk. '35	Pt. III		1115-23	'35
ABSTR. REFS.					

PAGES:	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
REFERENCES:	COST DATA:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:
CONCLUSIONS:	AUTHOR INDEX:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:
TABLES:	SUBJECT INDEX:	ORIGINAL AVAILABLE AT: Reprint on file			
GRAPHS:		CALL NUMBER:			
ABSTRACT:					

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CLASSIFIED SUBJECT: 237 752 | FELLOWSHIP NUMBER: | FILE NUMBER: CA 752

AUTHOR: Oliver Bowles

AUTHOR'S POSITION AND ADDRESS:

TITLE: Asbestos -- milling, marketing and fabrication.

PUB. DESIGNATION AND SERIAL NO.: U.S. Bu. Mines, Inf. Circ. 6969 | REVIEWED IN: | VOL. | PP. | DATE

PLACE PUBLISHED AND PUBLISHER:

EDITION: | DATE: 1938 | VOL.: | LIST PRICE:

PAGES: 1-26	GRAPHS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	ILLUSTRATIONS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
REFERENCES:	MAPS:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:
CONCLUSIONS:	COST DATA:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:
TABLES:	INDEX (AUTH.) (SUBJ.)	ORIGINAL AVAILABLE AT: Reprint on file.		CALL NO.:	

ABSTRACT:

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PITTSBURGH, PA.

FORM 70 1000 8-35

1 757 1 1 1 of 762

AUTHOR: P. J. Beger
AUTHOR'S POSITION AND ADDRESS:

TITLE: Observations on Asbestosis Bodies.

	PERIODICAL	VOL.	NO.	PP.	DATE		PERIODICAL	VOL.	NO.	PP.	DA
ORIG REFS:	(Ger.) A G G	6		349-92	'35	ABSTR. REFS:	B H C A	11 30	J1.	524 7665	

PAGES:	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:	
DISCUSSION (PP):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:	
REFERENCES:	COST DATA:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:	
CONCLUSIONS:	AUTHOR INDEX:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:	
TABLES:	SUBJECT INDEX:	ORIGINAL AVAILABLE AT:				
GRAPHS:		CALL NUMBER:				

ABSTRACT: Same is essentially given as Beger in CA.

CONT'D:

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FORM 79 10M 10-37

NUMBER 757

AUTHOR: William S. Fulton, Allen Dooley, Julia L. Matthews, Robert A. Kehoe

AUTHOR'S POSITION AND ADDRESS:

TITLE: Asbestosis: Part II. The nature and amount of dust encountered in asbestos fabricating plants. Parts III. (below) pp

PUB. DESIGNATION AND SERIAL NO.: Pa. Dept. Labor & Ind., Spec. Bull. REVIEWED IN:

	VOL.	PP.	DATE
Nat. Safety News	33	1,5	Jan. 36
Heat. Vent.	33	1,12	1936

PLACE PUBLISHED AND PUBLISHER:

EDITION: DATE: 1935 VOL.: LIST PRICE:

PAGES: 35	GRAPHS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	ILLUSTRATIONS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
REFERENCES:	MAPS:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:
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TABLES:	INDEX: AUTH.: SUBJ.:	ORIGINAL AVAILABLE AT: Reprint on file.			CALL NO.:

ABSTRACT: Part III. The effects or exposure to dust encountered in asbestos fabricating plants on the health of a group of workers.

Add'l. abst. ref.: J. Ind. Hyg., 18, 26-7 (1936).

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MELLON INSTITUTE OF INDUSTRIAL RESEARCH
PITTSBURGH, PA.

FORM 78 10M 8-36

CLASSIFIED SUBJECT	FELLOWSHIP NUMBER	FILE NUMBER
757		752

AUTHOR: C. S. Hurlbut, Jr. and Chas. R. Williams,

AUTHOR'S POSITION AND ADDRESS: Liberty Mutual Insurance Co., Boston.

TITLE: The Mineralogy of Asbestos Dust.

	PERIODICAL	VOL.	NO.	PP.	DATE
ORIG REFS:	J I H	17	6	289-93	Nov. '35
ABSTR. REFS:	B H (Fr.) C & I.	11 36	5 Sp	357 513	Nov. '36

DNE 136

PAGES:	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
REFERENCES:	COST DATA:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:
CONCLUSIONS:	AUTHOR INDEX:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:
TABLES:	SUBJECT INDEX:	ORIGINAL AVAILABLE AT: Reprint on file (2)			
GRAPHS:		CALL NUMBER:			

ABSTRACT: Petrographic analyses of raftor dust from six asbestos processing plants, including molding and weaving of asbestos, disclosed that in the respirable sizes, asbestos is a relatively unimportant constituent. Talc, serpentine, carbonates and magnetite predominate in all of the dusts examined. The question arises as to the importance of the part played by these minerals in lung damage resulting from dust exposures in the asbestos industries.

CONT'D.

DATE EXAMINED: BY: PURPOSE OF SEARCH:

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MELLON INSTITUTE OF INDUSTRIAL RESEARCH
PITTSBURGH, PA.

FORM 70-1500-5-35

CLASSIFIED SUBJECT	FELLOWSHIP NUMBER	FILE NUMBER
75 Y		57 152

AUTHOR: A. J. Lanza, M.D.,

AUTHOR'S POSITION AND ADDRESS: Asst. Med. Dir. Metropolitan Life Ins. Co., New York.

TITLE: Asbestosis.

	PERIODICAL	VOL.	NO.	PP.	DATE
ORIG. REFS.:	J. Am. Med. Assoc.	106	5	368-9	'36 Feb. 1
ABSTR. REFS.:					

PAGED:	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
REFERENCES:	COST DATA:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:
CONCLUSIONS:	AUTHOR INDEX:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:
TABLES:	SUBJECT INDEX:	ORIGINAL AVAILABLE AT: Reprint on file			
GRAPHS:		CALL NUMBER:			

ABSTRACT: Session of the Am. Med. Assoc., Atlantic City, N.J., June 13, '35. ~~(35 A 17)~~

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DATE EXAMINED: BY: PURPOSE OF SEARCH:

ABSTRACT BLANK FOR ALL PERIODICALS AND REGULARLY ISSUED PROCEEDINGS.

CLASSIFIED SUBJECT: 75 ✓

FELLOWSHIP NUMBER: 83.75

~~[illegible]-59~~

AUTHOR: Prof. A. Bohne

AUTHOR'S POSITION AND ADDRESS:

TITLE: Asbestosis.

	PERIODICAL	VOL.	NO.	PP.	DATE
ORIG REPT.	(Ger.) D M W	62	23	928-30	'36
ABSTR. REPT.	J I H	18	0.	133	'36

PAGES:	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
REFERENCES:	COST DATA:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:
CONCLUSIONS:	AUTHOR INDEX:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:
TABLES:	SUBJECT INDEX:	ORIGINAL AVAILABLE AT:			
GRAPHS:		CALL NUMBER:			

ABSTRACT: (With illustrations)

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MELLON INSTITUTE OF INDUSTRIAL RESEARCH
PITTSBURGH, PA.

FORM 70 MM 5-36

MELLON INSTITUTE OF INDUSTRIAL RESEARCH
PITTSBURGH, PA.

FORM 26 (REV. 2-52)

AUTHOR: W. Aowons (F. Alwons in D3B)
AUTHOR'S POSITION AND ADDRESS:

TITLE: Asbestosis.

PERIODICAL	VOL.	NO.	PP.	DATE	PERIODICAL	VOL.	NO.	PP.	DATE
ORIG REPT. (Ger.) Z G U	13		1-6	1936	ABSTR. REPT. J I H	18		85	'36
Munch. Med. Wchnschr.	82		1797-800	1'35					

PAGES	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
REFERENCES:	COST DATA:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:
CONCLUSIONS	AUTHOR INDEX:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:
TABLES:	SUBJECT INDEX:	ORIGINAL AVAILABLE AT: J I H on file			
GRAPHS:		CALL NUMBER:			

ABSTRACT: The author reports on the lung examination of 35 employees of an asbestos plant. Thirteen workers gave negative X-Ray results, 12 were doubtful first degree asbestosis, 7 showed first and second degree asbestosis, and 3 third degree: these last had worked in asbestos for 21-24 years; one of them, who had worked also with kieselguhr showed silicosis as well.

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CLASSIFIED SUBJECT: Ibs. 30 | 73 V | FELLOWSHIP NUMBER: | FILE NUMBER: 54 452

AUTHOR: J. H. Shull
AUTHOR'S POSITION AND ADDRESS: MD, 403 N. Tryon St., Charlotte, N. Car.

TITLE: Asbestosis: a roentgenologic review of 71 cases.

ORIG. REFS.	VOL.	PP.	DATE	ABSTR. REFS.	VOL.	PP.	DATE
Radiol.	27	279-92	Sep'36	J A M A	107	1841	11/28/36
Abs.- Int. Med. Dig.	29	310-50	Dec'36	J I H	19	41	Feb'37

PAGES:	GRAPHS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	ILLUSTRATIONS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
REFERENCES:	MAPS:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:
CONCLUSIONS:	COST DATA:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:
TABLES:	INDEX (AUTH.: SUBJ.):	ORIGINAL AVAILABLE AT: Reprint on file,		CALL NO.:	

ABSTRACT:

Abst.- J A M A 12, 756 (Nov'37).

Over.

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DATE EXAMINED: BY: PURPOSE OF SEARCH:

ABSTRACT BLANK FOR PERIODICALS

MELLON INSTITUTE OF INDUSTRIAL RESEARCH, PITTSBURGH, PA.

CLASSIFIED SUBJECT	FELLOWSHIP NUMBER	FILE NUMBER
757		11.752

AUTHOR: S. B. McPheeters,

AUTHOR'S POSITION AND ADDRESS: M. D. Charlotte, N. Car. (North Carolina State Board of Health).

TITLE: A Survey of a Group of Employees Exposed to Asbestos Dust.

	PERIODICAL	VOL.	NO.	PP.	DATE
ORIG. REF'S.:	J I H	18	4	224-39	'36
ABSTR. REF'S.:	Can. M A J	35		AS. 224 605	'36

PAGES:	ILLUSTRATIONS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	MAPS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
REFERENCES:	COST DATA:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:
CONCLUSIONS:	AUTHOR INDEX:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSES:
TABLES:	SUBJECT INDEX:	ORIGINAL AVAILABLE AT: On file (1)			
GRAPHS:		CALL NUMBER:			

ABSTRACT: Asbestosis differs from silicosis in that the phagocytes which surround the asbestos particles are caught on the walls of the bronchioles and then stimulate growth of connective tissue cells, and are not transported into the lymphatic stream.

A survey of 218 persons exposed to asbestos dust was made, and the results are presented in several tables. Individual response is an important factor. Usually 5 years' exposure is required. The author believes that with sufficient protection, asbestosis can be reduced almost to the vanishing point.

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No aggravating effect of asbestos dust or asbestosis on tuberculosis was observed.

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FORM 77 12-38

CLASSIFIED SUBJECT: Abs. 615 | 757 | FELLOWSHIP NUMBER: | FILE NUMBER: 97.153

AUTHOR: N. Sundius and A. Hygren

TITLE: Dust content of an asbestosis lung; and the nature of asbestosis bodies.

ORIG. REFS.	VOL.	PP.	DATE	ABSTR. REFS.	VOL.	PP.	DATE
				J I H	19	227	Dec'37
				Cer. Abs.	18	63	Feb'39

ABSTRACT:

DUST CONTENT OF AN ASBESTOSIS LUNG AND THE NATURE OF ASBESTOSIS BODIES. *N. Sundius and A. Hygren. Arch. f. Gewerbepathol. u. Gewerbehyg., vol. 8, pp. 26-70 (1937).*

Very careful chemical experiments on the asbestos in the lungs and asbestosis bodies. Only the following points can be mentioned here: although in industry much more serpentine asbestosis is used than hornblende, the latter was found exclusively in the lungs examined. The asbestosis body sheaths are formed not only around asbestos but about rutile needles and also around a silica-free oxide with a similar type of crystal. No support has been made available to show that asbestos causes a chemical decomposition in the lung. The gel substance of the sheath consists of iron oxide (average 40%) phosphoric acid and an organic nitrogen and sulfur-containing substance (31%) which must be considered as a protein (Heger). This gel substance originates entirely from the body fluids and since the iron content is high; the most plausible suggestion is the blood. The cause of the sheath formation is not related to the chemical nature but to the rigid and sharp needle form. The authors also believe that the fibrosis can be blamed to this.—*L. Teleky.*

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CLASSIFIED SUBJECT: Abs. Sil. — 757 — PHOTOSTAT NUMBER — FILE NUMBER 28 752

AUTHOR: J. di Stasi

TITLE: Pathological and anatomical questions in cases of pneumoconiosis: severe asbestosis.

ORIG. REPR.	VOL.	PP.	DATE	ABSTR. REPR.	VOL.	PP.	DATE
Med. Welt	11	1234-7	'37	J I H	19	227	Dec '37

ABSTRACT: The author gives a clear discussion of pathological and anatomical changes in the development of a case of pneumoconiosis (silicosis) and emphasizes the fact that up to now real pneumoconiotic changes—nodule and scar tissue formation have been seen only after exposure to quartz. In many hundreds of cases (the author lives in the Ruhr coal district) he has never found connective tissue growth in lungs completely blackened by coal dust unless rock dust was also present. Of the cases where coal dust or soot is said to have caused scar tissue formation (Lochtkemper, Hollmann), no autopsy findings have hitherto been shown. Sometimes in judging the degree of silicosis, one finds a macroscopic examination at autopsy is inadequate—only a microscopic examination of the lungs will suffice.—*L. Teleky.*

In asbestosis the growth of diffuse connective tissue is greater in the upper part of the lung than in the upper. This growth, according to the author is caused by the mechanical action of asbestos

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FORM 77 — 12-37

CLASSIFIED SUBJECT: Abs. 117 ✓ 752 ✓ | FELLOWSHIP NUMBER: | FILE NUMBER: 432 752

AUTHOR: W. di Biasi

TITLE: Pathological anatomy of asbestosis.

ORIG. REFS.	VOL.	PP.	DATE	ABSTR. REFS.	VOL.	PP	DATE
A G G	8	139-55	'37	J I H	20	50	Feb '38

ABSTRACT:

The author gives an exhaustive description of the macroscopic and microscopic findings in a fatal case of pulmonary asbestosis. There was a diffuse fibrosis spreading from the top toward the bottom.

It is emphasized that whereas in silicosis there is a striking contrast between severe x-ray changes and the slight physical lung findings, in asbestosis this contrast is reversed. The anatomical and histological findings of silicosis and asbestosis differ throughout. In the latter, the microscopic pathological-anatomical ones may be explained by the mechanical action of the asbestos needles. Asbestosis cannot be used as a support for the existence of a silicatosis. *L. Teleky.*

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CLASSIFIED SUBJECT			FELLOWSHIP NUMBER	FILE NUMBER
Abs. 714	75 ✓			61 752

AUTHOR: K. Nordmann

TITLE: The industrial cancer of workers in asbestos.

ORIG. REFS.	VOL.	PP.	DATE	ABSTR. REFS.	VOL.	PP.	DATE
Ztschr. Krebsforsch.	47	288-302	'38	C A	32	7111	9/20'38
				J I H	20	184	Oct'38

ABSTRACT: The author describes 6 cases of asbestosis with lung carcinoma, of which 5 were squamous carcinoma with hornification and the other an adenocarcinoma. Most of the cases were younger than the average case of lung cancer. The exposure to asbestos had lasted 7 to 21 years, and had begun 15 to 20 years before observation of the carcinoma, with the exception of an elderly woman who had only an exposure of 19 months, 17 years before observation, and who had a high degree of asbestosis. What property of asbestosis is responsible for the cancer developing on the groundwork of asbestosis is not yet known, but there may be in asbestos so-called carcinogenic substances.

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CLASSIFIED SUBJECT		FELLOWSHIP NUMBER	FILE NUMBER
	75 V		03.752

AUTHOR. K. Akkermann

TITLE. Technical Health Protection in Asbestos Working Plants.

ORIG. REF'S.	VOL.	PP.	DATE	ABSTR. REF'S.	VOL.	PP.	DATE
Gesundheits-Ing.	61	713-14	1938	JIH	21		4/39

ABSTRACT: Description, with many illustrations of protective installations used in asbestos working plants. The need of medical preemployment examinations, medical supervision and regular alternation of work are mentioned.

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CLASSIFIED SUBJECT: 4-47, 1939 | 752 | FELLOWSHIP NUMBER: | FILE NUMBER: 752

AUTHOR: E. Williams.

TITLE: The Presence of "Curious Bodies" in the Lungs of South African Gold Miners.

ORIG. REFS.	VOL.	PP.	DATE	ABSTR. REFS.	VOL.	PP.	DATE
J. Path. & Bacteriol	48	475-7	March 1939	JIH	21		6-39

ABSTRACT: "Curious bodies" is the name often applied to the peculiar structures found in asbestotic lungs. They are light colored, but similar dark ones have been found in the lungs of coal miners. The author reports briefly on such bodies seen in the lungs of 32 South African gold miner she has examined. Both light and dark colored bodies were found and in some lungs both types were present simultaneously. There was no constant relation, however, between the presence of bodies and silicotic findings, and Dr. Williams is sure that the bodies are not significant in the development of anthraco-silicosis in the coal miners and trimmers she has examined. They are probably the result of chance inhalation of fibers or spicules. These black cored bodies evidently cannot be produced experimentally although the pale asbestotic ones can be.

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FORM 77 (Rev. 12-15)

CLASSIFIED SUBJECT			FELLOWSHIP NUMBER	FILE NUMBER
Abs. 713	753			81 753

AUTHOR: P. Hornig

TITLE: Clinical considerations on the question of industrial cancer of asbestos workers.

ORIG. REPT.	VOL.	PP.	DATE	ABSTR. REPT.	VOL.	PP.	DATE
Ztschr.f.Krebsforsch.	47	281-7	'38	J I H	20	184	Oct'38

ABSTRACT: A 35 year old woman who worked in an asbestos factory from 1919 to 1928 fell ill of asbestosis. In 1937 a sharply defined shadow was seen roentgenographically in the upper left lobe. This shadow was considered by the author to be a carcinoma and in the decision on the case, a causal relation between the presence of asbestosis and the development of carcinoma was accepted. The correct diagnosis of carcinoma was confirmed on autopsy.

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FORM 77 10M 12-36

AUTHOR: R. R. Sayers and W. C. Dreessen

TITLE: Asbestosis

ORIG. REFS.	VOL.	PP.	DATE	ABSTR. REFS.	VOL.	PP.	DATE
Am. J. Pub. H.	29	205-14	Mar '39				

ABSTRACT: Read before the Industrial Hygiene Section at the Am. Pub. Health Assoc. Meeting, Kansas City, Mo., October 28, 1938.

See April Abstracts.

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10+21,131 | 27 | 1752

AUTHOR: K. M. Lynch and W. A. Smith

TITLE: Pulmonary Asbestosis V. A Report of Bronchial Carcinoma and Epithelial Metaplasia.

ORIG. REFS.:	VOL.	PP.	DATE	ABSTR. REFS.:	VOL.	PP.	DATE
Am. J. Cancer	36	567-73	Aug.1939	J. I. H.	22	18	Jan'40

ABSTRACT: The authors present the case history of a patient with pulmonary asbestosis and carcinoma and, in addition, make a contribution to the statistics on the incidence of carcinoma and asbestosis. During the past 12 years in 2343 consecutive necropsies (35 cases of asbestosis among them) the incidence of carcinoma was 0.30%. Omitting the asbestosis cases the incidence was 0.21%. Among the asbestosis cases (35 in number) the incidence was approximately 6% (2 cases), but the statistical value of these figures is questionable because of the small numbers. The authors also note the observation that advanced asbestosis may lead to bronchial epithelial metaplasia of a type encountered in other locations where cylindrical epithelium may give rise to squamous-cell carcinoma.

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FORM 77 12M 12-38

AUTHOR E. Sauge

TITLE: Further Contributions to the Roentgenological Diagnosis of Asbestosis

ORIG. REFS.	VOL.	PP.	DATE	ABBR. REFS.	VOL.	PP.	DATE
Arch f Gewerbehyg	9	391-406	1939	JIH	21	197	10/39

ABSTRACT: The author, whoe recent (1938) atlas of asbestosis was based on the examination of 200 patients, has now examined an additional 420 asbestosis workers and in this paper presents interesting material on the diagnosis of the disease. The complaints and pulmonary changes noticeable by x x-ray after only a few months work are caused by a bronchitis. The first signs of asbestosis may appear, however, after 9-10 months exposure. Tuberculosis is rare among German asbestosis workers and the author has encountered no case of lung cancer among those examined.

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TITLE: Protection Against Asbestosis

ORIG. REFS.	VOL.	PP.	DATE	ABBR. REFS.	VOL.	PP.	DATE
Staub	10	264-28[illegible]	Nov. 1939	Bull. Hyg.	15	346-347	June 1940

PAGES:	GRAPHS:	GENERAL:	THEORETICAL:	ECONOMIC:	EXCELLENT:
DISCUSSION (PP.):	ILLUSTRATIONS:	REVIEW:	MATHEMATICAL:	ADMINISTRATIVE:	GOOD:
REFERENCES:	MAPS:	POPULAR:	EXPERIMENTAL:	PROPAGANDA:	FAIR:
CONCLUSIONS:	COST DATA:	ENGINEERING:	STATISTICAL:		USELESS FOR PURPOSE:
TABLES:	INDEX AUTH. SUBJ.	ORIGINAL AVAILABLE AT:		CALL NO.:	

ABSTRACT: From findings of the extreme fineness of asbestos fibers found in the lungs, the authors take the view that chemical and colloidal reactions must play a greater part in the genesis of asbestosis than some investigators hold to be the case. Investigations in Germany have led to the conclusion that almost every operation with an exposure to asbestos dust can be rendered safe. The main points in the recommendations to achieve this purpose are given in great detail.

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FORM 7A—4M—6-37

CLASSIFIED SUBJECT

Abs. J.I.H. Apr'40 | 757 | NUMBER | 757

AUTHOR(S) L. H. Pearce and E. D. Leonard

TITLE An x-ray study of the lungs of workers in the asbestos industry. Study of a period of ten years.

CONT. REFS.	VOL.	PP.	DATE	ABSTR. REFS.	VOL.	PP.	DATE
Radiol.	33	196-202	'39	J I H	22	83	Apr'40

ABSTRACT. A discussion of the exposure to asbestos in the manufacture of brake linings. In 1928 and 1929, 12 workers with symptoms of asbestosis were retired on compensation and were followed for 7 years. In 1933, 800 employes from the same plant were x-rayed and three found to have advanced asbestosis. When the plant closed, 90 men sued for compensation and the authors give a discussion of the trial of 30 cases. During the trial, the 12 men retired 6 or 9 years before were produced. All but the women were performing laborious work, and no progress of the lung condition was apparent. There is a description of the x-ray appearance of asbestosis and the action of the dust on the lung. The authors consider that "the fiber is innocent of producing any pathologic disturbance except an impedance to the air in this region of the lung". Pleuritic changes are also seen -- adhesions and obliteration of the costophrenic angles. Emphysema and changes in the heart contour are other signs. No cases complicated by tuberculosis were found. X-ray will show asbestos in the lungs when there is enough to cause symptoms.

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Abi 30, 939 | 75 | | | | 82 752

AUTHOR. A. W. George and R. D. Leonard

TITLE. An X-Ray Study of the Lungs of Workmen in the Asbestos Industry Covering a Period of Ten Years.

ORIG. REFS.:	VOL.	PP.	DATE	ABSTR. REFS.:	VOL.	PP.	DATE
Radiology	33	196-202	Aug. 1939				

ABSTRACT. The authors discuss some of the conclusions they have reached after an extensive experience examining asbestos workers. Each industry or occupation should be studied by itself because the hazards of each vary greatly. The most important variable with occupation is the percentage of free silica in the dust which can cause the development of a silicotic condition in addition to the asbestotic one. The authors are of the opinion that asbestosis is not a progressive disease after the individual has been removed from the dust hazard. They found also that the disease has no causal relation to tuberculosis. Unlike silicosis, x-ray appearance of tuberculosis and asbestosis are quite different. They found no clinical findings pathognomonic of asbestosis and state that diagnosis of asbestosis must depend alone on X-ray evidence.

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Feb 22, 1939 | 75 | | NUMBER | 752

AUTHOR: S. J. Gaador

TITLE: Asbestosis.

ORIG. REPS.	VOL.	PP.	DATE	ABSTR. REPS.	VOL.	PP.	DATE
Deutsch. med. Wchnschr	65	107-08	'39	J I H			

ABSTRACT: A short but excellent description of the origin, clinical aspects and diagnosis of pulmonary asbestosis. Asbestos warts and lung cancer of asbestos workers are discussed. It is comparatively rare to find asbestosis complicated by pulmonary tuberculosis in Germany.

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