

FILE NAME: Union Carbide (UC)

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DEPOSITION EXHIBITS

NEWTON KETCHAM

DECEMBER 8, 9, 1992

TRC 10424

Revised as

INDUSTRIAL HYGIENE 1c, 1d, and 472

February 7 -- May 6, 1949

February 7 ✓	2:00	Drinker	Administration, reports
	3:00	Hardy, Dr. Harriet	State control
9 ✓	2:00	Williams	Insurance Company control
	3:00	Wilkins; Dr. Geo.F. N.E.Tel. & Tel.	The Function of an Industrial Medical Department
11 ✓	2:00	Lindberg, B.A., Asst. Prof. Sch.Bus.Admin.	Management, structure, personnel
	3:00	Goldmann, F.	Prepayments plan for medical care in industry
14 ✓	2:00	Healy, J.J. Asst. Prof., Ind'l.Rela. Sch.Bus.Admin.	Labor Problems
	3:00	Wilkins	Cont'd. from February 9
16 ✓		FIELD TRIP	Physicians to N.E.Tel. & Tel. Engineers to Loss Prevention Dept. of Liberty Mutual Ins. Co., Berkeley Street
18 ✓	2:00	Healy	Cont'd. from February 14
	3:00	Drinker	Non-ferrous metals
21 ✓	2:00	Lisco, Dr. Herman Atomic Energy Com'n.	Toxicological problems in atomic energy
	3:00	Seeler	Metal poisoning
23 ✓		FIELD TRIP	Perrine Quality Products Corp. Waltham, Mass.
25 ✓	2:00	Price, Dr. Leo, Dir. Union Health Center Garment Workers Union New York	Overall medical care of the worker
	3:00	McFarland	Human factors in design of equipment and the control of accidents
28 ✓	2:00	McFarland	Cont'd. from February 25
	3:00	Chapman, A.M. Safety Supvr. Pratt & Whitney Co. Hartford, Conn.	Safety Engineering & Industrial Health
March 2 ✓		FIELD TRIP	Lever Bros., Cambridge, Mass.

1949
Howard
IH
Course

In a certain sense you might find 35% asbestos, many to get down to 25% difference to get down 25%

Anticancer agents during 20 years - on the whole, very little

difficult to get down to 25% in the whole of lung

Test for asbestos potential - difficult and expensive to do in many

things - due to small size of the experimental animals

Can do for asbestos - can do by injecting animals with asbestos

or intravenously with (1) Pure SiO₂ (2) in rubber (3) asbestos

and (3) with unknown - determine relative effectiveness lymph

nodes

Asbestosis - only about 1/10 as many potential exposures as to silica

Asbestosis is a general term for fibrous rock - largely ^{the} delicate

May be due to irritation of 70-400 fibers in terminal bronchioles

Fibrosis is lower 1/2 to 1/3 of lung - fibers become coated with mucus

and no further irritation - coated fibers are "curious bodies" - their

appearance in sputum confusing but do not disguise asbestosis

Incubation 4-6 years following heavy exposure - course rapidly

Downhill as diffuse fibrosis interferes with respiratory exchange

minimizes therapy (for silicosis)

Value not established for man - there is subjective improvement

from breathing any dust - SiO₂ solubility and fibrotic changes are

reduced in animals. Gardner says Al may predispose to T.B.

Dust Explosions: - primary followed by secondary. Don't get with hard

coal - do get with soft coal, flour, starch, cocoa, aluminum powder,

soap dust, wood flour. Dolomite, calcite, gypsum, limestone,

inhibit dust explosions (dilution effect) - and don't cause

silicosis

Toxic Dusts - usually manifested more by inhalation than ingestion

Allergies - pollens, fungus (i.e. fungus under bark of maple logs) -

fungus may give chest & Ray similar to silicosis

Compensation: Prior to workman's compensation employers had

three defenses under code of Napoleon

"Bismarck 1880" developed concept of accident as a cost of production

U.S. Federal Compensation, 1908

Present "Twilight Zone" - may come under federal or State Jurisdiction