

FILE NAME: State of the Art Literature (SAL)

DATE: 1939-1941

DOC#: SAL082

DOCUMENT DESCRIPTION: CA Dept of Industrial Safety Reports of Occupational Illnesses - Asbestosis

State of The Art

Barry Castleman's ~~Etter File~~

CD-ROM Document # ~~Etter~~

w/c = with cover memo

BB

DATE 1939-

0 = undated

82

1941

article from ☐ medical journal ☐ trade magazine

☐ article from English newspaper

☐ article from Brazilian newspaper ☐ w/translation

☐ book excerpt

☐ company listing in business directory

government ☐ report ☐ regulation ☐ inspection

☐ unpublished internal report ☐ consultant report

☐ company warning information

company product ☐ catalog OR ☐ specifications

meeting ☐ agenda ☐ minutes ☐ attendee list

☐ unpublished OR ☐ published conference presentation

☐ conference report

☐ memo ☐ letter ☐ letters of support for Fernanda

☐ Legal: _____

☐ BC notes ☐ BC correspondence

☐ Other

✓ CA Dept of Industrial Safety

asbestosis

Reports of Occupational Illnesses

= 2 in 1939, 6 in 1941, 3 in 1942

F3743:104

INDUSTRIAL RELATIONS

Division of Industrial Safety. Accident
Investigation Reports, Drowning Miscel-
laneous, Occupational Diseases.

1929-49

Copy sent Mr. Nelson

NUMBER OF OCCUPATIONAL DISEASE CASES REPORTED IN CALIFORNIA
DURING 1939

<u>Material Exposure</u>	<u>Number of</u>	<u>% of Total</u>
<u>DUSTS</u>	<u>Cases</u>	
Asbestos-----	2 -----	.04
Coal (bituminous)-----	1 -----	.02
Nonsiliceous-----	14 -----	.25
Organic-----	268 -----	4.74
Silica-----	27 -----	.48
Silicates & carborundum-----	127 -----	2.25
<u>GASES</u>		
Carbon monoxide-----	60 -----	1.06
Oxides of nitrogen-----	1 -----	.02
Fluorides-----	4 -----	.07
Chlorine-----	8 -----	.14
Gas - not specified-----	60 -----	1.06
Gases - other-----	77 -----	1.36
Ammonia-----	21 -----	.37
Hydrogen sulfide-----	6 -----	.11
Sulfur dioxide-----	26 -----	.46
<u>METALS</u>		
Arsenic-----	51 -----	.90
Chromium-----	23 -----	.41
Lead-----	80 -----	1.42
Manganese-----	1 -----	.02
Mercury-----	18 -----	.32
Other metals-----	107 -----	1.89

Number of Occupational Disease Cases Reported in California During 1939

<u>Material Exposure</u>	<u>Number of</u> <u>Cases</u>	<u>% of Total</u>
<u>MISCELLANEOUS</u>		
Acids - mineral-----	165 -----	2.92
Acids - organic-----	22 -----	.39
Alcohols, ethers, & esters--	4 -----	.07
Aldehydes-----	20 -----	.35
Alkaline compounds-----	596 -----	10.53
Aniline & its compounds-----	2 -----	.04
Chemicals-----	249 -----	4.40
Coal tar products-----	79 -----	1.40
Cyanides-----	39 -----	.69
Defective illumination-----	5 -----	.09
Dermatitis producers-----	1558 -----	27.53
Dyes-----	21 -----	.37
Excessive dampness-----	48 -----	.85
Excessive noise-----	3 -----	.05
Halogenated hydrocarbons---	22 -----	.39
Hides-----	14 -----	.25
Infections-----	137 -----	2.42
Inks-----	6 -----	.11
Lacquer & varnishes-----	31 -----	.55
Medicinals-----	2 -----	.04
Oils, fats, and waxes-----	18 -----	.32
Other organic solvents-----	245 -----	4.34
Paints and enamels-----	114 -----	2.01
Petroleum products (except solvents) -	42 -----	.74

Number of Occupational Disease Cases Reported in California During 1949

<u>Material Exposure</u> <u>MISCELLANEOUS (CONT.)</u>	<u>Number of</u> <u>Cases</u>	<u>% of Total</u>
Radiant energy-----	746	13.19
Repeated motion, pressure, shock-----	147	2.60
Salts, inorganic (technical & analytical)-----	27	.47
Sulfur and alkaline sulfides---	56	.99
Temperature change-----	233	4.12
Miscellaneous (insect bites, rat poison, etc.)-----	20	.35
	5653	

By Mr. Kuhl

Calif. State Industrial Accident Commission

During the fiscal year ending June 30, 1942, a total of 8508 occupational disease cases have been reported to the State Industrial Accident Commission.

The most frequent causes of occupational disease in California, with the number of cases reported, and percentage of the total cases due to each, are as follows:

Table I

Occupational Diseases Listed as the Most Frequent Cases

<u>Causes of Illness</u>	<u>Number of Cases</u>	<u>Percentage of Cases</u>
Radiant Energy -----	2781	32.68
Dermatitis Producers -----	1539	18.08
Repeated Motion, Pressure, and Shock -----	709	8.21
Alkaline Compounds -----	488	5.73
Infections -----	395	4.64
Organic Solvents -----	395	4.64
Chemicals -----	277	3.26
Temperature Extremes -----	228	2.68
Other Metals -----	204	2.39
Organic Dusts -----	144	1.67

While dermatitis producers are listed as accounting for only 18.08 % of all cases, skin diseases due to other specified materials, brings the total of occupational dermatoses to 41.1% of all the cases reported.

It will be noted that 395 cases of infection comprising 4.64% of all the cases reported is listed. About half of these are keratoconjunctivitis cases, an epidemic of which developed in many of the large California industries during the last fiscal year.

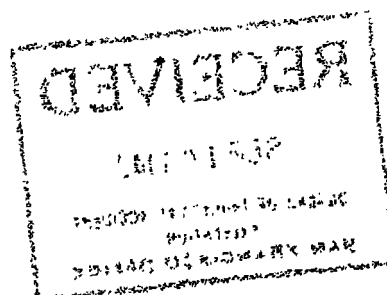
Table II gives a complete tabulation, and classification by causative material and environmental conditions of the occupational disease cases reported during the year:

Table II

<u>Cause of Illness</u>	<u>Number of Cases</u>
<u>DUSTS</u>	
Asbestos -----	
Organic -----	3
Silica -----	144
Silicates and carborundum -----	21
Coal (bituminous) -----	23
<u>GASES</u>	3
Ammonia -----	
Carbon Monoxide -----	33
Carbon Dioxide -----	32
Chlorine -----	4
Fluorides -----	66
Gases - not specified -----	3
Hydrogen Sulfide -----	53
Other Gases -----	68
Oxides of Nitrogen -----	101
Sulfur Dioxide -----	8
	8
<u>METALS</u>	
Antimony -----	
Arsenic -----	9
Chromium -----	36
Lead -----	31
Manganese -----	73
Mercury -----	3
Other Metals -----	45
	204
<u>MISCELLANEOUS</u>	
Acids - mineral -----	
Acids - organic -----	85
Alcohols, ethers, and esters -----	7
Aldehydes -----	5
Alkaline compounds -----	3
Amines -----	488
Accelerators -----	1
Chemicals -----	11
Coal Tar Products -----	277
Cyanides -----	96
Defective illumination -----	27
Dermatitis producers -----	6
Dyes -----	1539
Excessive dampness -----	27
Excessive noise -----	52
Halogenated hydrocarbons -----	7
Hides -----	20
Infections -----	18
	395

Table II - continued

<u>Cause of Illness</u>	<u>Number of Cases</u>
Inks -----	11
Lacquer and varnishes -----	15
Medicinals -----	6
Oils, fats, and waxes -----	38
Other organic solvents -----	395
Paints and enamels -----	103
Petroleum products (except solvents) -----	73
Radiant energy -----	2781
Radium -----	1
Sulfur & alkaline sulfides -----	45
Salts, inorganic (technical & analytical) -----	28
Temperature change -----	228
Miscellaneous (insect bites and fatigue) etc. -----	18
Repeated Motion, Pressure, shock -----	709
Dust nonsiliceous -----	22
Total -----	8508



GEORGE E. KIDWELL
CHAIRMAN

T. A. REARDON

~~REARDON~~ HAROLD B. JEFFERY
MEMBERS

Clifford L. Olson
Governor of California

Occupational Disease

FRANK J. BURKE, SECRETARY



STATE OF CALIFORNIA
DEPARTMENT OF INDUSTRIAL RELATIONS

Industrial Accident Commission

STATE BUILDING
SAN FRANCISCO

October 7, 1941

Mr. C. H. Fry
2714 Garber Street
Berkeley, California

Dear Mr. Fry:

We are sending you herewith, a statistical summary of occupational disease cases which have been listed in our files for the fiscal year ending June 30, 1941.

Very truly yours,

J. P. Russell, M.D.
Chief, Industrial Hygiene Service

JPR:R
Enc.

cc Miss Stritzinger, Industrial Accident Commission, S. F.

During the fiscal year ending June 30, 1941, a total of 5831 occupational disease cases have been reported to the State Industrial Accident Commission.

The most frequent causes of occupational disease in California, with the number of cases reported, and percentage of the total cases due to each, are as follows:

Table I

Occupational Diseases Listed as the Most Frequent Cases

<u>Causes of Illness</u>	<u>Number of Cases</u>	<u>Percentage of Cases</u>
Dermatitis Producers - - - - -	1503 - - - - -	25.8
Radiant Energy - - - - -	1395 - - - - -	23.9
Alkaline Compounds - - - - -	497 - - - - -	8.5
Hydrogen Sulfide - - - - -	434 - - - - -	7.4
Repeated Motion, Pressure, and Shock - - - - -	270 - - - - -	4.6
Organic Solvents - - - - -	244 - - - - -	4.2
Temperature Extremes - - - - -	182 - - - - -	3.1
Chemicals - - - - -	174 - - - - -	3.0
Organic Dusts - - - - -	111 - - - - -	1.9

While dermatitis producers are listed as accounting for only 25.8% of all cases, skin diseases due to other specified materials such as alkaline compounds, organic solvents, acids, chemicals, and infections, bring the total of occupational dermatoses to well above half of all the cases reported.

Table II gives a complete tabulation, and classification by causative material and environmental conditions, of the occupational disease cases reported during the year:

Table II

<u>Cause of Illness</u>	<u>Number of Cases</u>
<u>DUSTS</u>	
Asbestos - - - - -	1
Organic - - - - -	111
Silica - - - - -	12
Silicates and carborundum - - - - -	27

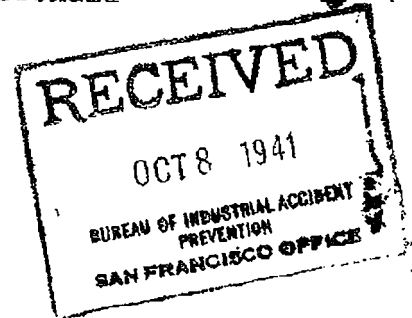
Table II - continued

<u>Cause of Illness</u>	<u>Number of Cases</u>
<u>GASES</u>	
Ammonia - - - - -	19
Carbon Monoxide - - - - -	23
Carbon Dioxide - - - - -	11
Chlorine - - - - -	35
Fluorides - - - - -	3
Gases - not specified - - - - -	12
Hydrogen Sulfide - - - - -	434
Other Gases - - - - -	38
Oxides of Nitrogen - - - - -	5
Sulfur Dioxide - - - - -	15
<u>METALS</u>	
Antimony - - - - -	5
Arsenic - - - - -	40
Chromium - - - - -	45
Lead - - - - -	68
Manganese - - - - -	2
Mercury - - - - -	42
Other Metals - - - - -	77
<u>MISCELLANEOUS</u>	
Acids - mineral - - - - -	54
Acids - organic - - - - -	5
Alcohols, ethers, and esters - - - - -	4
Aldehydes - - - - -	7
Alkaline Compounds - - - - -	497
Amines - - - - -	1
Chemicals - - - - -	174
Coal tar products - - - - -	46
Cyanides - - - - -	22
Defective illumination - - - - -	8
Dermatitis producers - - - - -	1503
Dyes - - - - -	22
Excessive dampness - - - - -	23
Excessive noise - - - - -	6
Halogenated hydrocarbons - - - - -	9
Hides - - - - -	9
Infections - - - - -	87
Inks - - - - -	5
Lacquer and varnishes - - - - -	19
Medicinals - - - - -	4
Oils, fats, and waxes - - - - -	5
Other organic solvents - - - - -	244

Table II - continued

<u>Cause of Illness</u>	<u>Number of Cases</u>
Paints and enamels - - - - -	88
Petroleum products (except solvents) - - - - -	59
Radiant energy - - - - -	1395
Repeated motion, pressure, shock - - - - -	270
Salts, inorganic (technical & analytical)- - - - -	22
Sulfur and alkaline sulfides - - - - -	29
Temperature change - - - - -	182
Miscellaneous (insect bites, rat poison, etc.)- -	3
TOTAL	5831

10-27-41 Copy sent Mr. Gebb
" " Mr. Chas. Macdonald



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Alkaline Compounds -----	497	8.5
Hydrogen Sulfide -----	434	7.4
Repeated Motion, Pressure, and Shock -----	270	4.6
Organic Solvents -----	244	4.2
Temperature Extremes -----	182	3.1
Chemicals -----	174	3.0
Organic Dusts -----	111	1.9

While dermatitis producers are listed as accounting for only 25.8% of all cases, skin diseases due to other specified materials such as alkaline compounds, organic solvents, acids, chemicals, and infections, bring the total of occupational dermatoses to well above half of all the cases reported.

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Silica -----	12
Silicates and carborundum -----	27

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NUMBER OF OCCUPATIONAL DISEASE CASES REPORTED IN CALIFORNIA
DURING 1939

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<u>MISCELLANEOUS (CONT.)</u>		
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Sulfur and alkaline sulfides----	56	.99
Temperature change-----	233	4.12
Miscellaneous (insect bites, rat poison, etc.)-----	20	.35

 5653



State of California Secretary of State

I, DEBRA BOWEN, Secretary of State of the State of California,
hereby certify: Selected Pages, Department of Industrial Relations Accident Investigation Reports,
1929-1949

That the attached transcript of 18 page(s) is a full, true and
correct copy of the original record in the custody of this office.



IN WITNESS WHEREOF, I execute this
certificate and affix the Great Seal of the State
of California this day of

April 7, 2012

A handwritten signature in cursive script that reads "Debra Bowen".

DEBRA BOWEN
Secretary of State

SECRETARY OF STATE, DEBRA BOWEN
The Original of This Document is in
CALIFORNIA STATE ARCHIVES
1020 "O" STREET
SACRAMENTO, CA 95814