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OCCUPATIONAL CANCER

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TABLE 1

LIST OF SOME SUBSTANCES CAUSING CANCER, INDUSTRY CONCERNED, AND SITE OF CANCER

Substance	Industry	Site of Cancer	Proof	
			Industrial	Experimental
Minerals				
Arsenic	Sheepdip manufacture and usage	Skin, lung	Doubtful	0
Chromium (ore)	Electroplating, tanning, dyeing	Respiratory, usually lung	Doubtful	0
Nickel	Chemical manufacturers	Respiratory	Doubtful	0
Silica	Stone blasting	Lung	Doubtful	0
Asbestos	Miners and users	Lung	+	0
Iron (hematite)	Miners	Lung	+	0
Beryllium	Fluorescent lamps	Lung, bones	0	+
Unknown	Pitchblende miners	Lung	+	0
Oils				
Lubricating	Mule spinners	Skin	+	+
Petroleum	Refiners	Skin	+	+
Pitches				
Soot	Chimney sweeps	Skin	+	+
Tar	Road workers	Skin	+	+
Rays				
Actinic	Farmers, sailors	Skin, exposed sites	+	+
Roentgen	Scientific personnel	Skin, exposed sites	+	+
Luminous paint (radium)	Dial painters	Skin, exposed sites	+	+
Organic chemicals				
Dye intermediates	Chemical manufacturers, and users	Bladder	+	+

A very significant fact has been observed by many workers and has been emphasized by Kennaway (1950).⁴ The "amount" or incidence of cancer in any given population does not vary greatly, as regards either sex or race, but the proportions of the different "forms" or sites of cancer may vary greatly. For example, there is a high rate of carcinoma in organs peculiar to the female, in contrast with the high rates in lung and stomach in the male. Similarly, primary carcinoma of the liver is high in the Javanese in Sumatra, but insignificant in European populations. "There appears to be a general law that when in a given population the incidence of cancer in one particular organ is markedly increased compared with another population, there is then a compensating decrease in the

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