

TABLE 10: MORTALITY EXPERIENCE OF 632 NYC INSULATION WORKERS, BY AGE AT ONSET OF EXPOSURE

	Age at Onset of Exposure			Total
	≤20	21-30	30+	
Cancer of Lung . . . . .	14 (5.7%)	52 (17.3%)	6 (7.1%)	72
Pleural Mesothelioma . . . . .	3 } (5.2%)	3 } (2.7%)	0 } (1.2%)	6
Peritoneal Mesothelioma . . . . .	10 } (5.2%)	5 } (2.7%)	1 } (1.2%)	16
Gastrointestinal Cancer . . . . .	12 (4.9%)	17 (5.7%)	8 (9.4%)	37
All other neoplasms . . . . .	6	15	7	28
Asbestosis . . . . .	11 (4.5%)	15 (5.0%)	4 (4.7%)	30
All other causes . . . . .	45	92	54	191
Deceased 12.31.68	101	199	80	380
Alive 12.31.68	145	102	5	252
Total	246	301	85	632

TABLE 11: ESTIMATED U.S. ASBESTOS FIBER CONSUMPTION

Year	Crocidolite	Amosite	Canadian Chrysotile	Other	Total
1920	No data	No data	152,000	4,000	156,000
1925	No data	No data	200,700	4,100	204,800
1930		1,907	198,200	8,500	208,407
1935		501	154,200	20,500	175,201
1940		8,068	225,900	36,300	270,268
1945	8,700	4,500	265,800	9,000	378,000
1950	8,500	5,400	687,400	27,400	728,700
1955	11,700	18,000	699,100	11,600	740,400
1960	19,600	19,500	605,800	24,600	669,580
1965	17,100	21,400	661,100	20,100	719,700

## Total Amosite and Crocidolite\*

1930 . . . . .	1,907
1931 . . . . .	823
1932 . . . . .	212
1933 . . . . .	233
1934 . . . . .	152
1935 . . . . .	501
1936 . . . . .	1,432
1937 . . . . .	2,928
1938 . . . . .	3,282
1939 . . . . .	6,129

\*Source: U.S. Department of Commerce.

Very little crocidolite entered this country until World War II (Table 11). Asbestos used here was almost entirely chrysotile. The largest asbestos manufacturer in the United States first used crocidolite in 1929 (for sheet packing, not insulation). This company never used crocidolite for the manufacture of insulation at any time (1929-1968), employing it only in two product lines (asbestos cement pipe, and packings).<sup>5</sup> These data are consistent with an analysis of insulation materials used in past decades on the United States west

coast, where only chrysotile and amosite were found.<sup>5</sup> During these same years, 1920-1940, more than 267,000 tons of chrysotile were used for insulation purposes.

This is not to say that it can be proven that crocidolite was never used before 1930 for insulation in the United States. Rather, if any was so utilized, it could only have been in very small amounts. Therefore, crocidolite exposure of United States insulation workers before 1930 and probably before 1940 is unlikely to have occurred to any significant