

TABLE IV
Personal Samples—Truck Brake Service

Operation	Concentration (fibers/ml)
Beveling new linings	31.7
Beveling new linings	23.7
Beveling new linings	32.7
Beveling new linings	72.0
Beveling new linings	26.3

Background Samples—Truck Brake Service

Operation	Distance	Concentration (fibers/ml)
Background to beveling linings	8 ft	0.6
Background to beveling linings	12 ft	0.5
Background to beveling linings	12 ft	0.3
Background to beveling linings	30 ft	0.3

TABLE V
Automobile Brake Lining Service

Operation	Comparison of Optical and E. M. Fiber Counts	
	Optical Microscopy	Electron Microscopy
	(fibers/ml)	$\mu\text{g}/\text{m}^3$
Light grinding of new linings before installation	4.8	53.0
Grinding new linings before installation	2.7	66.0
Blowing dust off drum with air jet	0.4	1.1
Cleaning brake drum with hand brush	3.6	6.5
Background to blowing out brake drum (10 feet away)	0.3	0.2
Background to blowing out brake drum (20 feet away)	0.8	0.1
Background to blowing out brake drum (65 feet away)	1	0.2

x ray, and pulmonary studies. Three men were excluded from analysis because they had worked in a shop for less than 10 years. Also excluded from analysis were nine men whose occupational history raised the possibility of other asbestos exposure. Two men were excluded because of known chest disease. The remaining 90 believed themselves to be healthy; all either were currently working (84) or had retired because of age (6).

Occupational Categories

General mechanics	67
Body workers	7
Undercoaters	5
Lubrication	4
Painters	2
Miscellaneous other crafts	5
	<u>90</u>