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	Finally, in 1915, the Japanese workers	due to x-rays, both of which occurred against
	Yamagiwa and Ichikawa (1918) produced	a background of severely damaged tissue.
	cancer on a rabbit's ear by painting it with	provided irresistible evidence of cause and
,	tar and 18 years later Cook et al. (1933)	effect, but the suggestion that other cancers
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	benzo(a)pvrene.	exposure to specific agents was strongly
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TABLE II

	TABLE II			
	Occupational Hazards Discovered Since 1915			
	Occupation	Agent	Site	
·	(Makers of coal gas)	Polycyclic hydrocarbons	Bronchus	
·	Makers of mustard gas Chemical workers	Mustard gas 4-amino-diphenvl	Bronchus, larynx nasal sinuses Bladder	
			<u> </u>	
<u>.</u>	Manufactuerrs of PVC	Vinvl chloride	Liver (angiosarcoma)	
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Ja. VAII				
#AIA				
	(Vineyard workers)			
÷	(Cobalt smelters) (Rhodesian gold miners)			
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received a pension for the effects of mustard to decide whether it includes any of the more common tumours.

and that at least 6 of the growths appeared to have arisen from sidero-silicotic masses.

seemed very unlikely at first as the occupation of the patients included housewife,

Necropsy data of this type are, however, peculiarly difficult to interpret because men whose widows may get compensation if their

domestic servant, cattle herder, farmer, water bailiff, insurance agent and accountant. Detailed enquiry. however, revealed that all

husbands had silicosis are more likely to had lived near an open asbestos mine in

other men for whom this possibility does not miners and the relationship was rapidly

exist. Subsequent examination of the causes of death of all haematite miners over a 20-year period confirmed the existence of a

proved (Wagner, Sleggs and Marchand, 1960; Gilson, 1966).

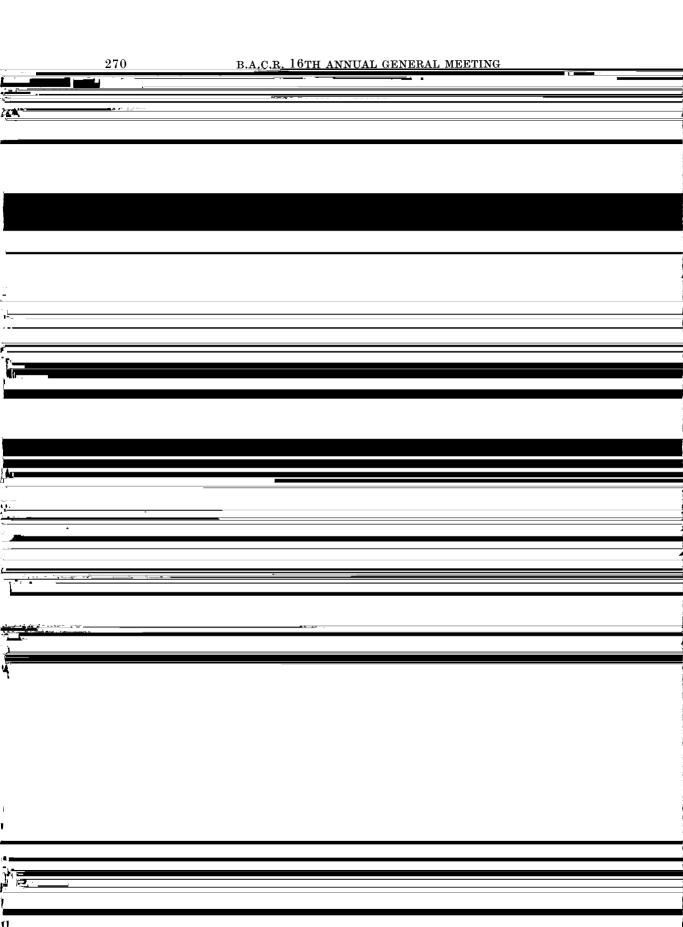
Seven hazards—lung cancer from chrome

carbonvl process, while it has arisen in 1951) and the men had to be followed up 6 nickel refineries in Canada and Norway years before any worthwhile information crude nickel ore containing substantial Indeed, the role of the epidemiologists has amounts of copper. largely limited to this somewhat The risk of nasal cancer from dust mundane task of proving what other more arising in the manufacture of hardwood imaginative investigators have suspected, furniture was suspected by two ear, nose and often, admittedly, on rather tenuous grounds. throat surgeons in the Oxford region and the Only 4 hazards can be said to have been discovered directly by epidemiological mode of its discovery provides a nice example of the superiority of two minds over one. methods. One was discovered by Henry. The train of events was started when Ronald Kennaway and Kennaway in 1931, by

Macbeth noticed that a large proportion of his patients with ethmoid sinus cancer, a

examination of the death certificates of

nearly 6000 men who had died of bladder



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GILSON, J. C. (1966) Health Hazards of Asbestos: Incidence of Respiratory Cancer in Nickel Research Studies on its Biological Effects.

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