Greene have shown that on average the blood lead concentration of their sample rose post partum, but a more appropriate question to have asked would be, how many out of that group showed the reverse? This figure would be an indication of how many women today in the United States are experiencing increased blood lead concentrations during pregnancy.

WI MANTON
Mass Spectrometry Laboratory, University of Texas at Dallas, Richardson, Texas 75080, USA


An industrial disease

Sir,—The Industrial Injuries Advisory Council is again considering whether chronic bronchitis and emphysema in coal miners should be prescribed as industrial diseases for which benefit may be paid. This is welcome news, but any benefit miners might receive will be too little and too late.

Coal miners in the past who experienced excessive exposure to nitrous fumes from shotfiring activities underground have been eligible for benefit and should have qualified for prescribed disease “poisoning by nitrous fumes” (PD C15 now termed PD C15). The poisoning may be acute or chronic but occasionally acute and chronic poisoning may affect the same man. Miners claiming benefit for chronic poisoning have invariably been turned down by medical boards, however, unless there was also evidence of a dramatic episode of acute poisoning! The requirement of previous acute poisoning to qualify for acceptance as a case of chronic poisoning is absurd. Surely no case of chronic lead or chronic carbon monoxide poisoning would be rejected for benefit in the absence of acute disease?

At the 1936 conference in Cardiff on “lung trouble in the anthracite collieries” many medical experts noted the relation between chronic fume exposure and chronic bronchitis and emphysema. John Craw who attended the conference was so convinced of the relation for both south Wales coal miners and in his Cumbrian haematite ore miners that he organised the near elimination of the fume hazard in the Cumbrian mines. Some 40 years later he was able to report the virtual eradication of chronic bronchitis and emphysema and his concomitant programme of dust suppression also resulted in the elimination of pneumoconiosis. This surely must be a classic example of industrial medicine, with the identification of the causes (fume and dust) of the diseases (emphysema and pneumoconiosis) and their elimination by preventive measures.

In considering claims for PD C15 the medical boards have obviously been influenced by the strong relation between cigarette smoking and chronic bronchitis and emphysema. I wonder whether the cumulative effect of nitrous fumes from both industry and tobacco smoke and the importance of coal and carbon dusts as carriers of fume have been fully appreciated. The reasons and evidence for my views have been published previously. The clinical picture of nitrous fume poisoning as described in the DSS pamphlet (NI 226 September 1990) notes on the diagnosis and claims for industrial scheme benefits is ambiguous and needs rewriting.

MCS KENNEDY
Blackwood Hall, Endon, Stoke on Trent

1 Jones TD. Silicosis in the south Wales Coalfield—Part 1. Lung trouble in the anthracite collieries. Proc South Wales Institute of Engineers 1936; 52:157–244.

NOTICE

First announcement: International Symposium on Health Hazards of Butadiene and Styrene, Hanasari Cultural Centre, Espoo, Finland, 18–21 April 1993

Organisers: Finnish Institute of Occupational Health, Finland (FIOH); International Agency for Research on Cancer (IARC); Commission of the European Communities (CEC).

Both butadiene and styrene are important industrial compounds, but also frequent contaminants in the environment. They share similar toxicologically interesting properties, and both are metabolically converted to biologically active intermediates. New research data on their potential carcinogenic and genotoxic characteristics highlight the concern for the control of the potential toxic hazards involved.

The purpose of this Symposium is to serve as a scientific state of the art meeting, enabling improved prevention strategies for occupational as well as environmental exposures to these important chemicals.

The scientific programme will consist of invited lectures, free communications, workshops and poster sessions. Ample time will be reserved for discussions. The working language of the Symposium is English.

Topics will include occupational and environmental exposure, metabolism and technology, monitoring, preclinical workers, cancer and carcinogenesis, genetic toxicology, reproductive health hazards, neurotoxicology, and risk assessment. Selected papers will be published in the IARC scientific publications series.

For further information contact: Symposium secretariat, International Symposium on Health Hazards of Butadiene and Styrene, Finnish Institute of Occupational Health, Topeliuksenkatu 41 A, SF-00250 Helsinki, Finland. Telephone 358-0-47471; fax 358-0-4747548; telex 121394 occuphealth sf.