235 not related to the appearance of bronchitic symptoms. Prospective studies wever, to confirm the situation regarding these lung-function studies.

## action of TDI

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·problem in any study of the effects of human exposure to TDI is the separaunt from its potentially sensitizing properties. Some indication of an immunoe has been obtained in animals (Cited in F.C.T. 1965, 3, 645) but attempts to wich a response in apparently sensitized workers have failed, although comwith human serum albumin stimulated the lymphocytes in these sensitized 3d 1970, 8, 235). Further attempts to demonstrate circulating antibodies in have been made in 55 workers all with symptoms suggesting TDI sensitivity R. Soc. Med. 1970, 63, 379). In this study, a complement fixation method, a I antiglobulin technique and a modified passive cutaneous anaphylaxis test were used. Although 23 of the patients reacted positively in at least one test, results between the tests was poor, indicating that they detected antibodies tly different specificity or of different immunoglobulin class. Until suitable ignostic tests for TDI sensitization are devised, the aetiological relationship ating antibody and symptoms of clinical sensitization will remain obscure. scal studies in monkeys and guinea-pigs failed to show whether the effects piration in man are likely to involve an immune mechanism (Stevens & Palmer, 380). Although exposure of the respiratory system to TDI rendered it more subsequent exposure to low levels of the compound, the inadequacy of current d techniques prevented the drawing of any conclusion as to whether this vity involved an allergic mechanism.

mation is clearly needed on the chronic and immunological responses of man essibly also to other diisocyanates. Doubts must remain about the adequacy of seed in 1961 in the USA from 0.1 ppm to the current value of 0.02 ppm. anction and other studies will be assisted by a more reliable technique for DI in the atmosphere, and here the developments described by Parkes (ibid are of interest.

## ASBESTOS: QUESTIONS STILL UNANSWERED

exposure to asbestos may lead to the formation of asbestos bodies in the development of asbestosis and tumours (mesotheliomas) of the pleura and ted in F.C.T. 1970, 8, 207). The aetiological relationships between asbestos is and lung tumours are poorly understood and the presence of asbestos gs of the general population complicates the issue still further. Moreoever, studies are still in their infancy and the importance of the nature, severity bestos exposure in tumour development needs to be more clearly defined. the working environment introduced relatively recently should reduce health hazard significantly, although the full benefits to be gained may be by the experience of past exposure.