CONTENTS

British Tradition in Industrial Health. E. R. A. Merewether ................................................. 175
Early Scottish Essays in Industrial Health. T. Ferguson ........................................................... 180
Victuals and Ventilation and the Health and Efficiency of Seamen. F. P. Ellis .......................... 185
Dust Sampling in a Hematite Mine with the P.R.U. Hand Pump. H. H. Watson ...................... 198
Evaluation of Skin Cleansers and Protective Creams for Workmen Exposed to Mineral Oil. C. N. D. Cruickshank ................................................................. 204
Book Reviews .......................................................................................................................... 213
British and Foreign Official Publications ..................................................................................... 215
Abstracts ....................................................................................................................................... 217
Proceedings of the Association of Industrial Medical Officers ......................................................... 231
Obituary ......................................................................................................................................... 236
Index for 1948 ............................................................................................................................... 237

LONDON

BRITISH MEDICAL ASSOCIATION
TAVISTOCK SQUARE, W.C.1
GENERAL ADVISORY BOARD

SIR HENRY BASHFORD

G. P. CROWDEN
MILLAIS CULPIN
SIR ARTHUR HALL
P. D’ARCY HART
SIR WILSON JAMIESON
J. M. MACKINTOSH

E. R. A. MEREWETHER
SIR DAVID MUNRO
G. S. PARKINSON
R. S. F. SCHILLING
E. H. STRANGE
H. M. VERNON

APPOINTED BY THE
BRITISH MEDICAL ASSOCIATION AND THE ASSOCIATION OF INDUSTRIAL MEDICAL OFFICERS

NOTICE TO CONTRIBUTORS

The British Journal of Industrial Medicine is primarily intended for the publication of original work in industrial medicine. It also provides a review and abstract section, and publishes the Proceedings of the Association of Industrial Medical Officers.

All papers submitted for publication and all other editorial matters should be referred to Dr. Donald Hunter, The London Hospital, London, E.I.

Adequate reference should be made to previous work on the subject of the paper. A summary of observations and conclusions must be given. A paper describing a single case will not be accepted unless the case is sufficiently rare, or shows important features which have not been previously described, or has been made the subject of special observation or experiment.

Papers sent for publication must be typewritten on one side of the paper only, with double spacing, and with a margin of at least 1½". Where half-tone reproduction of x-ray illustrations is required, authors should send in the original film and not prints. Photographs and photomicrographs should be printed on glossy paper, should be larger than the size desired for reproduction, and if transmitted through the post in a tube should be rolled with the picture outside. Charts and graphs accompanying papers should be carefully drawn in black ink on tracing linen or Bristol board or stout, smooth, white paper. Any lettering on these drawings should be lightly inserted in pencil.

References should be arranged according to the Harvard system. When a book is referred to, the place and year of publication, edition, and page should be given. In the text the year of publication must follow the author’s name, more than one paper in any one year being indicated by a small letter (a, b, c) after the date. No numbering of references is necessary. At the end of the contribution references are arranged in the alphabetical order of the authors’ names. The reference details are given as follows: Author’s name, initials, year of publication (in parentheses), title of periodical (in italics, abbreviated according to the World List of Scientific Periodicals), volume number (bold type, Arabic numerals), and first page number (ordinary type, Arabic numerals), thus:


Contributors will receive one proof in page, but it is assumed that all but verbal corrections have been made in the original manuscript; an allowance at the rate of ten shillings per sheet of sixteen pages is made for alterations in the proof (printer’s errors excepted), and contributors will be responsible for any excess.

Fifty free reprints of articles will, if desired, be given to contributors. A limited number of additional reprints at cost price can be supplied if application is made when returning proofs. An estimate of costs will be given on application to the Publishing Manager, British Medical Association.

Papers which have been published become the property of the British Journal of Industrial Medicine and permission to republish must be obtained from the Editor.

Application for advertisement space should be addressed to the Advertisement Manager, British Medical Association, Tavistock Square, London, W.C.I.

NOTICE TO SUBSCRIBERS

Subscriptions are payable to the British Medical Association. Address: British Medical Association House, Tavistock Square, London, W.C.I.
INDEX TO VOLUME 5, 1948

Subjects dealt with under various headings in the Journal are set out both in the main Index and under their respective headings—for example: 'Abstracts,' Book Reviews.' Names of authors of original articles are included in the Index. There is a separate Index to Abstracts. Names of authors of articles abstracted are separately listed.

Original Articles are indicated by the letter (O); Abstracts by the letter (A); and Book Reviews and British and Foreign Official Publications by the letter (R).

No. 1. January Pages 1–50
No. 2. April 51–106
No. 3. July Pages 107–174
No. 4. October 175–244

A

Adrenal cortex and stressful activity, 222 (A)

*Aedes aegypti*, control in British Guiana, D.D.T. and, 104 (A)

—— control in absence of piped water supply, 229 (A)

—— feeding on rabbits receiving "gammmexane," 229 (A)

Aerosols, device for sampling, 102 (A)

African coal miners, physiological observations on (W. S. S. LADELL), 16 (O)

Age and wastage in industrial populations, 171 (A)

AHLMARK, AXEL: Poisoning by methyl mercury compounds, 117 (O)

Air, disinfecting, in premises where food is manufactured, 103 (A)

Airborne particulates, penetration through the human nose, 102 (A)

Aircraft workers, occupational dermatoses in, 46 (A)

Alcohol and capacity for work, 223 (A)

Alkylidinitrophenols, toxicity of, 221 (A)

Alkyl polyphosphates, physiological effects, 167 (A)

Altitude, oxygen and blood in work at, 222 (A)

Aluminium, lung changes associated with manufacture of, 44 (A)

—— experimental lung changes due to, 225 (A)

—— dissolution of particles, by pulmonary phagocytes, 170 (A)

Alzo granite quarries, silicosis in workmen in, 100 (A)

Ammonia, toxicity to mice, 219 (A)

Amphetamine sulphate, effect on normal and fatigued subjects, 97 (A)

Anemia, anti-epineurics, in lead poisoning, 96 (A)

Aniline in animal tissue, 95 (A)

Arc welders in steel ship construction, health of, 216 (R)

Arsenic, studies in the incidence of cancer in a factory handling inorganic compounds of—1. Mortality experience in the factory (A. BRADFORD HILL and E. LEWIS FANNING); II. Clinical and environmental investigations (K. PERRY, R. G. BOWLER, H. M. BUCKELL, H. A. DRIETT, and R. S. F. SCHILLING), 1 (O)

Arsenical intoxications, BAL in, 163 (A)

—— keratitis, 33 (A)

Arsine poisoning, 33 (A)

Asbestosis, 44 (A)

—— in Quebec, 100 (A)

Association of Industrial Medical Officers: Nottingham group, 50; Forty-ninth meeting, 105; Tee-side group, 106; London group, 106; North-western group, 106; Fifteenth meeting, 172; London group, 173; Scottish group, 173; Nottingham group, 174; South Wales and West group, 174; Tee-side group, 174; Fifty-first meeting, 231; London group, 232; Birmingham group, 232; North-wester group, 234; Nottingham group, 234; Tee-side group, 235; Scottish group, 235

Atmospheres, breathing in irrespirable, 93 (R)

Atmospheric samples, lead and zinc in, 29 (A)

Atomic energy in industry and medicine, 31 (A)

Audiometers, bearing aids and, 94 (R)

Aviation, high-altitude, investigations, 97 (A)

B

Backache, chronic structural low, 93 (R)

Bagasse, of sugar, 222 (A)

—— pathogenicity of, 170 (A)

BAL, in arsenical intoxications, 163 (A)

—— for exposure to tellurium, 35 (A)

—— liver injury in the dog after exposure to, 217 (A)

BAL, skin sensitization to, 226 (A)

Bauxite workers’ lung, 170 (A)

Bedding, oil treatment of, 223 (A)

Benett, A. J. (and T. B. R. COURTNIE): Uremia in methyl bromide poisoning, 21 (O)

Benzene poisoning, 34 (A)

—— benzene vapour, and carbon monoxide, problem of combined action, 95 (A)

Benzol poisoning, acute gastritis due to, 34 (A)

Beryllium compounds, pneumonitis in workers exposed to, 35, 99, 225 (A)

Beverages, dangers of cadmium-plated receptacles for, 96 (A)

Binocular vision in miners, 228 (A)

Blood constituents etc. after isocaloric meals of varying carbohydrate content; 41 (A)

Boils and infected hands: an epidemiological investigation (G. P. B. Whitwell and Ian Sutherland), 88 (O)

Book Reviews:

—— Advanced industrial first aid, 1947 (TREVETHICK, R. A.), 27

—— Diseases of the joints and rheumatism (STONE, K.), 27

—— Proceedings of a Conference on Industrial Ophthalmology, 92

—— Chronic structural low backache (ROBERTS, R. A.), 93

—— Treatise on silicosis hazard of rocks etc. in German mines (LANDWEHR, W.), 93

—— Breathing in irrespirable atmospheres (DAVIS, SIR ROBERT H.), 93

—— Psychology in industry (MAIER, NORMAN R. F.), 93

—— Psychology, the fundamentals of human adjustment (MUNN, NORMAN L.), 161

—— Natural history of disease (RYLE, JOHN A.), 161

—— Principles of medical statistics (HILL, A. BRADFORD), 161

—— Introduction to medical statistics (WOODS, H. M., and RUSSELL, W. T.), 162

—— Practice of industrial medicine (T. A. LLOYD DAVIES), 213

—— Tuberculosis in young adults (MARC DANIELS and others), 213

—— Safety rules for use in chemical works; Part I—model rules (ASSOCIATION of British Chemical Manufacturers), 214

—— Physiology of man in the desert (E. F. ADOLPH and others), 214

—— Demonstrations of physical signs in clinical surgery (HAMILTON BAILEY), 214

—— Catalogue of medical films, 214

—— BOWLER, R. G. (and others); Studies in the incidence of cancer in a factory handling inorganic compounds of arsenic, 1 (O)

—— Brain abscesses, metallic foreign bodies in, 226 (A)

—— Brass foundries, controlling a lead hazard in, 29, 220 (A)

—— Breathing in irrespirable atmospheres, 93 (R)

—— British and Foreign Official Publications:

—— Study of individual children’s diets (WIDOWSON, E. M.), 28

—— Incidence of neurosis among factory workers (FRASER, R., and others), 28

—— Hearing aids and audiometers, report of Committee on Electrophysiology, 28

—— Medical Research in War (M.R.C. Report), 215

—— Affections of the respiratory tract in individuals exposed to cotton dust (U.S. Public Health Bulletin), 216

—— Health of arc welders in steel ship construction (U.S. Public Health Bulletin), 216

British Guiana, *Aedes aegypti* control in, 104 (A)

British tradition in industrial health (E. R. A. MEREWETHER), 175 (O)
BRITISH JOURNAL OF INDUSTRIAL MEDICINE

Bromide, in blood, urine, and brain, 219 (A)
Brooklyn, chlorine accident in, 223 (A)
BUCKELL, H. M. (and others); Studies in the incidence of cancer in a factory handling inorganic compounds of arsenic, 1 (O)
Burnt coal-gas, sensitivity to, 45 (A)

C
Cadmium poisoning by inhalation, 30, 163, 164 (A)

- workmen exposed to, 221 (A)
- oxide particles in lung tissue, microscopic determination of, 45 (A)
Cadmium-plated receptacles for preservation of food and beverages, dangers of, 96 (A)
Calcium carbonate, influence of settling silica dust, 102 (A)
Chromate, a factory handling inorganic compounds of arsenic-
I. Mortality experience in the factory (A. BRADFORD HILL and E. LEWIS FANNING); II. Clinical and environmental investigations (K. PER, P. L. G. BOWLER, H. M. BUCKELL, H. A. DRUITT, and R. S. F. SCHILLING), 1 (O)
Chromate, in Ceylon, 223 (A)
Chemical works, safety practice of, 214 (A)
Chemical analysis of blood in, 34 (A)
Chemical analysis of blood of workers in, 225 (A)
Chemical analysis of lung in, 37 (A)
Chromic acid, in a factory handling inorganic compounds of arsenic, 1 (O)

D
Dark adaptation and miners' nystagmus, 227 (A)
DASSANYAKE, W. L. P.: Health of plumbago workers in Ceylon, 14 (13)
DAVIES, IDRIS (and others); Pneumococcosis of coal-miners, 120 (O)
D.D.T. and Anopheles gambiae control in British Guiana, 104 (A)
- insecticidal activities of, etc., 47, 48 (A)
- in oil as mosquito larvicide, 104 (A)
- surface deposits on mud, 229 (A)
- "Dead hand" from electrically driven cutting tools, 42 (A)
Decompression sickness, treatment of, 168 (A)
Dermatology, coal tar in, 226 (A)
Dermatoses, occupational, in aircraft workers, 46 (A)
Desert, physiology of man in, the 214 (R)
Diatomaceous earth, silicosis (ENRICO C. VIGLIANI and GIACOMO MOTTURA), 148 (O)
Dichloethane poisoning, 37 (A)

Diet, a study of individual children's, 28 (R)
Digital foreign bodies in spot-welders, 46 (A)
Disabled Persons (Employment) Act, 1944; some medical implications (W. TAYLOR), 107 (O)
Disease, natural history of, 161 (R)
Diving, problems of shallow-water, 41 (A)
DOWSETT, LYNETTE (and others); Pneumococcosis of coal-miners, 120 (O)
DRUITT, H. A. (and others); Studies in the incidence of cancer in a factory handling inorganic compounds of arsenic, 1 (O)
Dry-battery manufacture, mortality in, 220 (A)
Dry cleaning of clothes, hygienic drawbacks of trichlorethylene in, 40 (A)
Dust, carbonic, following exposure to carbon tetrachloride, 38 (A)
Dust, electrostatic precipitation of industrial, 47 (A)
inhalation, 102 (A)
- (and see under specific types of dust)
sampling in a hematite mine with the P.R.U. hand pump 229 (A)
Dye workers, papilloma of renal pelvis in, 166 (A)
Dynamite, headaches arising from contact with, 36 (A)

E
Effort, dyspnoea of, in underground workers in coal miner, 101 (A)
Electrical accidents, thermal injuries due to, 46 (A)
Electrical hazards, protective tools, the "dead hand" from, 42 (A)
Electro-acoustics, report of Committee on, 94 (R)
Electrocardiograms of silicotics (A)
Electrostatic precipitation of industrial dust, fumes, and vapours for hygienic purposes, 47 (A)
- "Dead hand" precipitator, improvement of, 171 (A)
ELLIS, F. P.: Vicuina and ventilation and the health and efficiency of shepherds, 187 (O)
Emphysema, surgical, due to compressed air, 46 (A)
Environment and fatal heat stroke, 47 (A)
Exposure of tuberculous patients in Lancashire, 99 (A)
Ethyleneimine, acute toxicity to small animals, 219 (A)
Eye hazards in Westside shipyards (A. KEPFALAS), 51 (O)
- hazards and safety practice; a review of 14,722 eye accidents in the Westside shipyards (A. KEPFALAS), 51 (O)
- injury due to sulphur dioxide, 226, 227 (A)
- due to quinone vapours, 37, 38 (A)

F
Factory workers, neurosis among, 28 (R)
Fainting and flying, 168 (A)
Fanning, E. LEWIS (and A. BRADFORD HILL); Studies in the incidence of cancer in a factory handling inorganic compounds of arsenic, 1 (O)
Fatigue, effect of amphetamine sulphate on, 97 (A)
- circulatory, 98 (A)
FERGUSON, T.; Scottish essays in industrial health, 180 (O)
Fibrositis in the lungs of a silver finisher (H. E. HARDING), 70 (O)
First-aid, advanced, 27 (R)
Flight physiology, characteristics of, 222 (A)
Floors, oil treatment of, 223 (A)
Food and beverages, dangers of cadmium-plated receptacles for, 96 (A)
- disinfecting air in places of manufacture, 103 (A)
Foreign bodies, digital, in spot-welders, 46 (A)
- metallic, in brain abscess, 226 (A)
Foundry workers, nodulations in, 170 (A)
Fruit, control of infected, 102 (A)
Fumes, electrostatic precipitation of industrial, 47 (A)

G
Gamemone, Aedes aegypti and, 229 (A)
- for malaria control in Sierra Leone, 104 (A)
Gas workers, injuries in, 103 (A)
German mines, silicosis hazards of, 93 (R)
Glass-blowers, respiratory function of, 42 (A)
Glass fibre, industrial disease due to filaments of, 102 (A)
Granite industry, silicosis in, 169 (A)
Granite quarries, silicosis in workers in, 100 (A)
Granular basophilia during exposure to lead poisoning, 30 (A)

H
Hematite mine, dust sampling in, with the P.R.U. hand pump (H. H. WATSON), 198 (O)
Halogenated organic vapours in air, determination of, 39 (A)
Hands, boils and infected; an epidemiological investigation (G. P. B.
WHITWELL and IAN SUTHERLAND), 88 (O)
HARDING, H. E.: Fibrosis in the lungs of a silver finisher, 70 (O)
Heating, toxinology of zinc, 75 (O)
Headache from contact with dynamite, 36 (A)
Hearing aids and audiometers, 94 (R)
INDEX TO VOLUME FIVE

239

Heat, clothing for work in tropical, 47 (A)  
--- creatine losses in sweat in, 98 (A)  
--- salt tablets for use in, 97 (A)  
--- stress, environment and, 47 (A)  
High-altitude flight, investigations in, 97 (A)  
High-tension current accidents with muscle injuries and myoglobinuria, 46 (A)  
Hill, A. Bradford (and E. Lewis Fanning) : Studies in the incidence of cancer in a factory handling inorganic compounds of arsenic, 1 (O)  
Human adjustment, fundamentals of, 161 (R)  
Hydrocarbons, determination in blood, 166 (A)  

I  
Industrial health, British tradition in (E. R. A. Merewether), 175 (O)  
--- medicine, practice of, 213 (R)  
--- toxicology laboratory, range-finding test in, 217 (A)  
Infected tracheobronchials (and G. P. B. Whitwell and Ian Sutherland), 88 (O)  
Influenza, immunization against, 49, 103 (A)  
Injuries, in gas workers, 103 (A)  
Insecticides, 47, 48 (A)  
Interphalangeal joint, breathing in, 93 (R)  
Isocaloric meals of varying carbohydrate content, work, performance, etc., after, 41 (A)  

J  
Joints, diseases of, and rheumatism, 27 (R)  

K  
Kefalas, A. : Eye hazards and safety practice : a review of 14,722 eye accidents in the Wearside shipyard, 51 (O)  
Kitchen workers, cardiovascular changes in, 41 (A)  
Kleinungen gas works, injuries in, 103 (A)  

L  
Ladell, W. S. S. : Physiological observations on West African coal miners, 16 (O)  
Lancashire, survey of tuberculosis in, 98, 99 (A)  
Lead absorption and poisoning, hematological changes in, 30 (A)  
--- arsenate, cysteine as detoxifying agent for, 40 (A)  
--- content of street dirt in New York, 29 (A)  
--- determination in atmospheric samples, 29 (A)  
--- exposure to, 30 (A)  
--- exposure to, 30 (A)  
--- exposure to, in storage battery manufacture, 166 (A)  
--- hazard in brassy foundries, control of, 29, 220 (A)  
--- poisoning, anti-pernicious anaemia factor in, 96 (A)  
--- production of agglutinins in relation to recent knowledge of S. typhi antigens, 96 (A)  
"Lethane" insecticide, fatal poisoning, 40 (A)  
Lettuce, control of infected, 102 (A)  
Lewisle, disturbance of function induced by, 33 (A)  
Lung, asbestosis and cancer of, 100 (A)  
--- bauxite workers', 170 (A)  
--- changes associated with manufacture of alumina abrasives, 44 (A)  
--- nodulation in, in foundry grinders, 170 (A)  
--- Portland cement dust and, 99 (A)  
--- retention of quartz dust, 100 (A)  
--- illness, microscopic detection of cadmium oxide particles in, 45 (A)  
Lungs of a silver finisher, fibrosis in (H. E. Harding), 70 (O)  

M  
Machine construction plant, carbon monoxide in, 171 (A)  
Malaria control by "gammexane," 104 (A)  
Manganese dioxide as antidote to mercury, 165 (A)  
m-Dinitrobenzene poisoning, 34 (A)  
Medical films, catalogue of, 214 (R)  
--- research in war, 215 (R)  
Mercurialism, neurological observations on chronic industrial, 39 (A)  
Mercury exposures in dry battery manufacture, 220 (A)  
--- manganese dioxide as antidote to, 165 (A)  
Merewether, E. R. A. : British tradition in industrial health, 175 (O)  
Methamoglobinemia, treatment with ascorbic acid, 96 (A)  
Methanol poisoning, 218 (A)  
Methyl alcohol poisoning treated with pectins, 35 (A)  
--- bromide poisoning, uræmia in (A. J. Benatt and T. R. B. Courtneidge), 21 (O)  
--- chloride, toxicity of, 40 (A)  
--- mercury compounds, poisoning by (Axel Ahlmark), 117 (O)  
--- microscopic detection of cadmium oxide particles in, 45 (A)  
--- miners' hands, physiopathology of, 41 (A)  
--- mill workers, pathology of, 45 (A)  
Mineral oil, evaluation of skin cleansers and protective creams for workmen exposed to (C. N. D. Cruckshank), 204 (O)  
Miners' nystagmus, 227, 228 (A)  
Mite silicosis hazards of Griman, 93 (R)  
Mono-chloro mono-bromo methane, toxicity and narcotic action of, 220 (A)  
Morbidity, studies in occupational (Ian Sutherland and G. P. B. Whitwell), 77 (O)  
Morrell, F. H. (and others) : Pneumoconiosis of coal-miners, 120 (O)  
Mottura, Giacomo (and Enrico C. Violani) : Diatomaceous earth silicosis, 148 (O)  

N  
Natural history of disease, 161 (O)  
Nephritis in textile workers, 167 (A)  
Neurosis among factory workers, 28 (R)  
New York, lead content of street dirt in, 29 (A)  
Nickel poisoning, 165, 221 (A)  
Nitric acid gas poisoning, 39 (A)  
Nitropropylurethane, toxicity of (F. Wrigley), 26 (O)  
Nodule penetration of air-born particulates through the human, 102 (A)  
Nutritional state and miners' nystagmus, 227 (A)  

O  
Obituary, Thomas Gwynne Maitland, 236  
Occupational morbidity, studies in (Ian Sutherland and G. P. B. Whitwell), 77 (O)  
Ocular tasks, transfer of decrement in, 98 (A)  
Oil treatment of floors and bedding, 223 (A)  
Onion dehydrating plant, survey of, 36 (A)  
Ophthalmology, industrial, proceedings of conference on, 92 (R)  
Oxygen poisoning in man, 97 (A)  
--- pressures, effects on man of carbon dioxide at various, 222 (A)  

P  
Papilloma of renal pelvis in dye workers, 166 (A)  
Para-aminobenzene acid, sunburn-protecting effect of, 226 (A)  
Pectins, methyl alcohol poisoning treated with, 35 (A)  
Perry, Kenneth (and others) : Studies in the incidence of cancer in a factory handling inorganic compounds of arsenic, 1 (O)  
Phosgene poisoning, hemodynamics in, 35 (A)  
--- studies on experimental, 218 (A)  
--- pulmonary changes following exposure to, 225 (A)  
--- Phosphate and metabolism of working and resting subjects, 223 (A)  
Pierce, J. W. (and others) : Pneumoconiosis of coal-miners, 120 (O)  
Pilots, fainting in, 168 (A)  
Piperonyl butoxide, as insecticide, 48 (A)  
Pitch, skin cancer from, 37 (A)  
Plastic chips in control of chronic acid mist, 167 (A)  
Plumbago workers in Ceylon, health of (W. L. P. Dissanayake), 141 (O)  
Pneumoconiosis, architectural characteristics of, studied by plastic models, 43 (A)  
--- of coal-miners (Alice Stewart and others), 120 (O)  
--- in coal workers in Wales, 170 (A)  
--- histological basis for reticulation of, 100 (A)  
--- in industry, 93 (R)  
--- in shipyard workers, 42, 43 (A)  
--- Pneumonitis, chemical, from beryllium compounds, 35, 99, 225 (A)  
--- Poland, carbon disulphide poisoning in roving staple fibre plants in, 218 (A)  
--- Portland cement dust; effect on lungs, 99 (A)  
--- premature labour, influence of profession on, 230 (A)  
--- Protective creams and skin cleansers for workmen exposed to mineral oil, evaluation of (C. N. D. Cruckshank), 204 (O)  
--- Psychiatric aspect of miners' nystagmus, 228 (A)  
--- Psychology, the fundamentals of human adjustment, 161 (R)  
--- Pulmonary tuberculosis (see under tuberculosis)  
--- Pyridine in air, estimation of, 166 (A)  
Pyridoxine hydrochloride for radiation sickness, 32 (A)  

Q  
Quartz, lung retention of dust, 100 (A)  
--- silicosis in a quartz mine, 224 (A)  
--- Quebec, asbestos in, 100 (A)  
--- Quinine vapours, corneal and conjunctival injuries from, 37, 38 (A)  
--- Radiation sickness, treatment of, 32 (A)  
--- Radioactive eminations, 32 (A)  
--- Radium dial painting, 33 (A)  
--- Rats, sodium fluoracetate against, 48 (A)  
--- Rayon staple fibre plants in Poland, carbon disulphide poisoning in, 218 (A)  

R  
...
Respiratory exchange etc., after isocaloric meals of varying carbohydrate content, 41 (A)
Respiratory functions of glass-blowers, 42 (A)
Respiratory-tract infections, control in industry, 49 (A)
in individuals exposed to cotton dust, 216 (R)
— treatment of floors and bedding in control of, 223 (A)
Rheumatism, diseases of the joints and, 27 (R)

S
Salmonella typhi antigens, lead poisoning and, 96 (A)
Salt tablet for use in hot environments, 97 (A)
Schilling, R. S. F. (and others) : Studies in the incidence of cancer in a factory handling inorganic compounds of arsenic, 1 (O)
Scotland, tuberculosis in Larimershire, 98, 99 (A)
Scottish essays in industrial health (T. Ferguson), 180 (O)
Scouring, vitruals and ventilation and the health and efficiency of (F. P. Ellis), 187 (O)
Selenium poisoning, 165 (A)
Shallow-water diving, problems of, 41 (A)
Shipyard workers, pneumonia in, 42, 43 (A)
Sierra Leone, "gammexane" for malaria control in, 104 (A)
Silica, conversion of, during ignition, possible source of error in analysis of powdered samples, 4 (A)
dust, 101, 102 (A)
Silicosis, pulmonary vascular lesions in, 169 (A)
appraising exposure, 101 (A)
diagnosis of, 169 (A)
diastematosus earth (Enrico Vigliani and Giacomo Mottura), 148 (O)
experiment in study, 224 (A)
electrocardiogram in, 44 (A)
in glass industry, 169 (A)
hazard in German mines, 93 (R)
— hemotological observations in, 44 (A)
— lesions in workers removed from dust, 224 (A)
in a quartz mine, 224 (A)
solubility theory of, 168 (A)
— workers in Algo granite quarries, 100 (A)
Silicotic coal miners, hemotological and humoral changes, 44 (A)
Silver finisher, fibrosis in lungs of (H. E. Harding), 70 (O)
Skin cancer from pitch and tar, 47 (A)
——, social and occupational factors in etiology of, 50 (A)
——, scavenger cancer for workers exposed to mineral oil, evaluation of (C. N. D. Crucbsheke), 204 (O)
sensitization to BAL, 226 (A)
Smallpox vaccination against, 49 (A)
Smoke and public health, 171 (A)
Social factors influence on incidence of extrapulmonary tuberculous infection, 99 (A)
Sodium fluoride against rats, 48 (A)
Solvent vapours, sensory response to, 35 (A)
Spot-welders, digital foreign bodies in, 46 (A)
Statistics, introduction to medical, 162 (R)
——, principles of medical, 161 (R)
Steel industry, vitamin supplement administered to workers in, 103 (A)
Steel ship construction, health of age welders in, 216 (R)
Stewart, Alice (and others), Pneumoconiosis of coal miners, 120 (O)
Storage battery manufacture, control of lead exposure in, 166 (A)
Street dust in New York, lead content of, 29 (A)
Stressful activities, human adrenal cortex and, 222 (A)
Sulphur dioxide, eye injury due to, 226, 227 (A)
Sunburn-protecting effect of para-aminobenzoic acid, 226 (A)
Surgery, physical signs in, 214 (R)
Surgical emphysema due to compressed air, 46 (A)
Sutherland, Iain (and G. P. B. Whitwell) : Boils and infected hands : an epidemiological investigation, 88 (O)
— — (and G. P. B. Whitwell) : Studies in occupational morbidity, 77 (O)
Swineherd’s disease, observations on, 230 (A)

T
Talc mining, dust hazard in tremolite, 101 (A)
Tal, skin cancer from, 37 (A)

INDEX TO ABSTRACTS

A
Adrenal cortex and stressful activity, 222
Aedes aegypti, control in British Guiana, D.D.T. and, 104
— in absence of piped water supply, 229
— feeding on rabbits receiving "gammexane," 229

Taylott, W. : Disabled Persons (Employment) Act, 1944 : some medical implications, 107 (O)
Tellurium, effect of ascorbic acid on tellurium breath, 219 (A)
— toxicity of ingested, 219 (A)
Tetraethyl-lead, mass poisoning by, 221 (A)
Tetranitromethane, toxic effects of, 33 (A)
Textile workers, nephritis in, 167 (A)
Thermal injuries due to electrical accidents, 46 (A)
Thymoxoethylidine, treatment of phosgene poisoning with, 218 (A)
Tobacco industry, health hazards of, 230 (A)
Trasenine etc. for radiation sickness, 32 (A)
Trichloroethylene in dry cleaning of clothes, hygienic drawbacks of, 40 (A)
Tropical diseases for work in, 47 (A)
Tuberculosis, asbestosis and pulmonary, 100 (A)
in young adults, 213 (R)
survey in Larimershire, 98, 99 (A)

U
Ultra-violet irradiation to disinfect air in food-manufacturing premises, 103 (A)
Under-nutrition, effect on choline esterase activity of serum, 223 (A)
Urea in methyl bromide poisoning (A. J. Benett and T. R. B. Courtney), 21 (O)

V
Vaccination, influenza, in an industrial plant, 49 (A)
— smallpox, of industrial workers, 49 (A)
Vapour, electrosatatic precipitation of industrial, 47 (A)
samples in air, methods of obtaining, 167 (A)
Varnishers, industrial pathology in, 38, 96 (A)
Vegetables, control of infected, 102 (A)
Vituals and ventilation and the health and efficiency of seamen (F. P. Ellis), 187 (O)
Vigliani, Enrico C. (and Giacomo Mottura) : Diatomaceous earth silicosis, 148 (O)
Visual reaction-time as a function of variations in the stimulus-figure, 98 (A)

W
Vitamin B1 for radiation sickness, 32 (A)
Vitamin C, for methamoglobinemia, 96 (A)
— C content of tissues of experimental animals after benzol poisoning, 32 (A)
— C and tellurium, 219 (A)
supplement, effect of administering, in the steel industry, 103 (A)
Volatile hydrides, 37 (A)

Wales, pneumoconiosis in coal-miners in, 170 (A)
War, medical research in, 215 (R)
Wasson, H. H. : Dust sampling in a hematite mine with the P.R.U. hand pump, 198 (O)
Wearside shipyards, review of 14,722 eye accidents in (A. Kefalas), 51 (O)
Welders, pneumonia in shipyard workers, with special reference to, 42 (A)
West African coal miners, physiological observations on (W. S. Ladell), 16 (O)
Welders, arc, health of, in steel ship construction, 216 (R)
Whitwell, G. P. B. (and Iain Sutherland) : Boils and infected hands : an epidemiological investigation, 88 (O)
— Studies in occupational morbidity, 77 (O)
Work performance etc., alcohol etc. and, 223 (A)
— after isocaloric meals of low and high carbohydrate content, 41 (A)
— phosphate administration and, 223 (A)
Wrigley, F. : Toxic effects of nitroso-methyl urethane, 26 (O)

X
X-rays, professional injury due to, 226 (A)

Z
Zinc determination in atmospheric samples, 29 (A)
Zircon, toxicology of (H. E. Hardinge), 70 (O)
INDEX TO ABSTRACTS

Alkyl polyphosphates, physiological effects, 167
Altitude, oxygen and blood in work at, 222
Aluminium, lung changes associated with manufacture of, 44
Aluminium, lung changes associated with manufacture of, 44
Ambient experimental lung changes due to, dissolution of particles by pulmonary phagocytes, 170
Also granite particles, silicosis in workers in, 100
Ammonia, toxicity to mice, 219
Amphetamines, effect on normal and fatigued subjects, 97
Aneurysm, anti-aminon, in lead poisoning, 96
Aniline poisoning, 33
Arsenic intoxications, 44
Arsine in BAL, 220
Asbestosis, in Quebec, 100
Atmospheric samples, skin sensitization to, 226
Electrically--for exposure to
Coal miners, receptacles for preservation of, 96
Calcium carbonate, influence on settling silica dust, 102
Cadmium, patency of, 170
Cadmium-plated receptacles for preservation of food and beverages, dangers of, 96
Calcium carbonate, influence on settling silica dust, 102
Cancer of the lung, asbestosis and, 100
--- of skin from pitch and tar, 37
--- social and occupational factors, 50
Carbolic, 160
--- acute toxicity and general systemic actions of, 39
Carbonate content, isocoric meals of high and low, 41
Carbon dioxide, effects on man of high concentrations of, 222
--- poisoning, chronic, 219
--- diulphide poisoning in rayon staple fibre plants in Poland, 218
--- monoxide and benzene vapour, problem of combined action of, 95
--- in hot rooms in machine construction plant, 171
--- tetrachloride, colorimetric determination of, 38
--- duodenal ulcer from exposure to, 38
--- poisoning, report of a case, 95
Carcinogenic activities of coal tar, 226
Cardiovascular changes in kitchen workers, 41
Chlorine accident in Brooklyn, 225
Choline esterase activity of serum, effect of under-nutrition on, 223
Chromate dermatitis, 46
Chromic acid mist, plastic chips in control of, 167
Clothing for work in tropical heat, 47
Coal mines, 49
--- haematological and humoral changes in silicotic, 44
--- pneumoniosis in, in Wales, 170
Coal mines, dyspnea of effort in workers in, 101
Coal tar, carcinogenic constituents of, 226
--- in dermatology, 226
Compressed air, surgical emphysema due to, 46
--- disease, skeletal changes in, 96
Copper fever, 31
Creatine losses in sweat during work in hot humid environments, 98
Cryolite as detoxicifying agent for lead arsenate, 34
Cutting tools, "dead hand " from electrically driven, 42

D
Dark adaptation and miners' nystagmus, 227
D.D.T. and Aedes aegypti control in British Guiana, 104
--- insecticidal activities of, etc., 47, 48
--- in oil as mosquito larvicide, 104
--- surface deposits on mud, 229
--- "dead hand " from electrically driven, 42
Decompression sickness, treatment of, 168
Dermatology, coal tar in, 226
Dermatoses, occupational, in aircraft workers, 46
Dichlorethane poisoning, 37
Digital foreign bodies in, 225
Diving, problems of shallow-water, 41
Dry battery manufacture, mercury exposure in, 220
Dry cleaning of clothes, hygienic drawbacks of trichloroethylene, 40
Duodenal ulcer following exposure to carbon tetracloride, 38
Dust, electrostatic precipitation of industrial, 47
--- (and see under specific types of dust)
Dye workers, papilloma of renal pelvis in, 166
Dynamite, headaches arising from contact with, 36

E
Effort, dyspnea of, in underground workers in coal mines, 101
Electrical accidents, thermal injuries due to, 46
Electrococcardiogram in silicosis, 37
-- electrostatic precipitation of industrial dust, fumes, and vapours for hygienic purposes, 47
--- precipitator, improvement of, 171
Emphysema, surgical, due to compressed air, 46
Environment and fatal heat stroke, 47
--- of tuberculosis patients in Lanarkshire, 99
Ethylene imine, acute toxicity to small animals, 219
Eye injury due to sulphur dioxide, 227
--- due to quinone vapors, 37, 38

F
Fainting and flying, 168
Fatigue, effect of amphetamine sulphate on, 97
--- oculac, 98
Flight personnel, physiological characteristics of, 222
Floors, oil treatment of, 223
Food and beverages, dangers of cadmium-plated receptacles for, 96
--- disinfecting air in places of manufacture, 103
Foreign bodies, oil, in spot-welders, 46
--- metallic, in brain abscess, 226
Foundry workers, nodulations in, 170
Fruit, control of infected, 103
Fumes, electrostatic precipitation of industrial, 47

G
Gammexane, Aedes aegypti and, 229
Gas workers, injuries in, 103
--- glass-blowers, respiratory function of, 42
--- glass fibre, industrial disease due to filaments of, 102
--- industry, silicosis in, 169
Granite quaryes, silicosis in workers in, 104
Granular basophilia during, 225

H
Halogenated organic vapours in air, determination of, 39
Headache from contact with dynamite, 36
Heat, clothing for work in tropical, 47
--- salt tablets for use in, 97
--- stroke, environment and fatal, 47
High-altitude flight, investigations in, 97
--- transient current accidents with muscle injuries and myoglobinuria, 46
Hydrocarbons, determination in blood, 166

I
Industrial toxicology laboratory, range-finding test in, 217
Influenza, immunization against, 49, 103
Injuries, in gas workers, 103
Insecticides, 47, 48
--- isocoric meals of varying carbohydrate content, work, performance, etc. after, 41
BRITISH JOURNAL OF INDUSTRIAL MEDICINE

K

Pitch, 4

Kleinungen gas works, injuries in, 103

L

Lanarkshire, survey of tuberculosis in, 98, 99

Lead absorption and poisoning, haematological changes in, 30

arsenate, cryolite as detoxifying agent for, 40

content of street dirt in New York, 29

determination in atmospheric samples, 29

exposure to, 30

exposure to, in storage battery manufacture, 166

hazard in brass foundries, control of, 29, 220

in urine, 220

poisoning, anti-penicillous anaemia factor in, 96

granular basophilia in, 30

and production of agglutinins in relation to recent knowledge of S. typhi antigens, 96

‘Lethane’ insecticide, fatal poisoning, 40

Lettuce, control of infected, 102

Lewisite, disturbance of function induced by, 33

Lung, asbestosis and cancer of, 100

— bauxite workers’, 170

— changes associated with manufacture of alumina abrasives, 44

nodulation in, in foundry grinders, 170

Portland cement dust and, 99

— retention of quartz dust, 100

— tissue, microscopic detection of cadmium oxide particles in, 45

M

Machine construction plant, carbon monoxide in, 171

Malaria control by ‘gamexane’, 104

Manganese dioxide as antidote to mercury, 165

m-Dinitrobenzene poisoning, 34

Mercurialism, neurological observations on chronic industrial, 39

Mercury contamination in dry battery manufacture, 220

— manganese dioxide as antidote to, 165

Methaemoglobinemia, treatment with ascorbic acid, 96

Methyl alcohol poisoning, 218

Methyl alcohol poisoning treated with pectins, 35

— chloroform, toxicity of, 40

Microscopic detection of cadmium oxide particles in, 45

Millers’ hands, physiopathology of, 41

Mill workers, pathology of, 45

Miners’ nystagmus, 227, 228

Mino-chloro-mono-bromo-methane, toxicity and narcotic action of, 220

Mosquitoes, D.D.T. for, 48, 104

N

Nephritis in textile workers, 167

New York, lead content of street dirt in, 29

Nickel poisoning, 165, 221

Nitric acid gas poisoning, 39

2-Nitropropane, toxicity of, 95

Noise, penetration of air-borne particulates through the human, 102

Nutritional state and miners’ nystagmus, 227

O

Ocular tasks, transfer of decrement in, 98

Onion dehydrating plant, survey of, 36

Oxygen poisoning in man, 97

— pressures, effects on man of carbon dioxide at various, 222

P

Papilloma of renal pelvis in dye workers, 166

Para-aminobenzoic acid, sunburn-protecting effect of, 226

Pectins, methyl alcohol poisoning treated with, 35

Phosgene poisoning, haemodynamics in, 35

— studies on experimental, 218

— pulmonary changes following exposure to, 225

Phosphate and metabolism of working and resting subjects, 223

Pilots, fatigue in, 168

Piperonyl butoxide, as insecticide, 48

Pitch, skin cancer from, 37

Plastic chips in control of chromic acid mist, 167

Pneumoconiosis, architectural characteristics of, studied by plastic models, 43

— in coal-workers in Wales, 170

— histological basis for reticulation of, 100

Pneumonia, lobair, Portland cement dust and, 99

wokers, in shipyard workers, 42, 43

Pneumonitis, chemical, from beryllium compounds, 35, 99

Poland, carbon disulphide poisoning in rayon staple fibre plants in, 218

Portland cement dust, effect on lungs, 99

Premature labour, influence of profession on, 230

Psychiatric aspect of miners’ nystagmus, 228

Pyridine in air, estimation of, 166

Pyridoxine hydrochloride for radiation sickness, 32

Q

Quartz, lung retention of dust, 100

— silicosis in a quartz mine, 224

Quebec, asbestosis in, 100

Quinine vapours, corneal and conjunctival injuries from, 37, 38

control of, 223

oil treatment of floors and bedding in

R

Radiation sickness, treatment of, 32

Radioactive emanations, 32

Radium dial painting, 33

Rats, sodium fluoracetate against, 48

Rayon staple fibre plants in Poland, carbon disulphide poisoning in, 218

Respiratory exchange etc. after isocaloric meals of varying carbohydrate content, 41

— function of glass-blowers, 42

Respiratory-tract infections, control in industry, 49

Silicosis, pulmonary vascular lesions in, 169

— appraising exposure, 101

— diagnosis of, 169

— experimental study, 224

— electrocardiogram in, 44

— in glass industry, 169

— haematological observations in, 44

— lesions in workers removed from dust, 224

— in a quartz mine, 224

— solubility theory of, 168

— in workers in Alzo granite quarries, 100

Silicotic coal miners, haematological and humoral changes, 44

Skin cancer from pitch and tar, 37

— social and occupational factors in aetiology of, 50

Small-pox, vaccination against, 49

Smoke and public health, 171

Social factors, influence on incidence of extrapulmonary tuberculous infection, 99

Sodium fluoracetate against rats, 48

— nitrate poisoning, 40

Solvent vapours, sensory response to, 35

Spot-welders, digital foreign bodies in, 46

Steel industry, vitamin supplement administered to workers in, 103

Storage battery manufacture, control of lead exposure in, 166

Street dirt in New York, lead content of, 29

Stressful activities, human adrenal cortex and, 222

Sulphur dioxide, eye injury due to, 226, 227

Sunburn-protecting effect of para-aminobenzoic acid, 226

Surgical emphysema due to compressed air, 46

Swineherd’s disease, observations on, 230

T

Talc mining, dust hazard in tremolite, 101

Tar, skin cancer from, 37

Tellurium, effect of ascrobic acid on tellurium breath, 219

— exposure and treatment with BAL, 35

— toxicity of ingested, 219

Tetraethyl lead, mass poisoning by, 221

Tetranitromethane, toxic effect of, 33

Textile workers, nephritis in, 167

Thermal injuries due to electrical accidents, 46