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The references cited below have not been checked by the publisher.

1. Historical, legislative and general
   No entries

2. Organization of medical and nursing services and education
   No entries

3. Physiological, psychological, and organizational aspects of work and rehabilitation
   An industrial experiment in organized rest pauses. (English) Bhatia, N., Murrell, K. F. Hum. Factors, 11, 167-74, Apr. 69. [Efficiency, Fatigue, Female, Human, Rest, Time Factors]

4. Traumatic conditions, accidents and accident prevention
   No entries

5. Effects of inorganic substances and minerals
Electrokymographic study in siderosilicosis and pneumoconiosis in electric arc welders. (Russian) Brodskii, O. B. Fract Delo, 8, 109-11, Aug. 67. [Electrokymography, Human, Pneumoconiosis Pathology, Pulmonary Circulation, Siderosis, Welding]
The risk of siderosis in electric arc welding. (Italian) Lamanna, P., Cascini, F., Pesaresi, C., Brancaccio, A. Folia med. (Napoli), 51, 681-9, Sep. 68. [Human, Siderosis, Welding]
The cytomorphological aspect of the sputum of silicotics. (Italian) Pennarola, R., Fati, S., Di, Paolo. Folia med. (Napoli), 51, 690-703, Sep. 68. [Bronchitis Diagnosis, Chronic Disease, Diagnosis Differential, Human, Prognosis, Silicosis, Sputum Cytology]
Evaluation of lead poisoning through coproporphyrin analysis. I (German) Weichardt, H., Bardodej, Z., Schlegel, H., Zorn. H. Zbl. Arbeitshmed., 18, 65-9, Mar. 68. [Comparative Study, Fluorometry, Human, Lead Poisoning Urine, Methods, Photometry, Porphyrins Urine]


Scleroderma in silicotics. (French) Brun, J., Perrin-Fayolle, M., Cassan, G., Kofman, J. Lyon méd., 220, 1597-615, 15 Dec. 68. [Human, Male, Scleroderma, Silicosis]


Egg-shell calcifications in silicosis: findings observed in 52 cases. (Italian) Chiesura, P., Terrible, P. M., Bardellini, G. Minerva med., 59, 5960-8, 29 Dec. 68. [Calciosis, Human, Lymph Nodes, Silicosis Complications]


Relationship between carbon monoxide exhalation in the breath and occupational exposure. (German) Ciuhandu, G., Diaconovici, M., Kiss, L., Rusu, V. Zbl. Arbeitsmed., 18, 172-6, Jun. 68. [Carbon Monoxide Metabolism, Environmental Exposure, Human, Methods, Respiration, Time Factors]


Problems of industrial hygiene and toxicology in the production of tungsten, molybdenum and zirconium chlorides. (Russian) Spiridonova, V. S. Gig. Tr. prof. Zabol., 11, 45-6, Mar. 67. [Animal Experiments, Rabbits, Human, Molybdenum Tungsten Zirconium, Chlorides]


Welders siderosis, a clinical, roentgenographic, and physiological study. (English) Kleinfeild, M., Messite, J., Kooyman, O., Shapiro, J. Arch. environm. Hlth, 19, 70-3, Jul. 69. [Adult, Aerosols, Dust, Human, Iron Analysis, Oxides, Respiratory Function Tests, Siderosis, Welding]


Chromome damage in experimental lead poisoning. (English) Muro, L. A Goyer, R. A. Arch. Path., 87, 660-3, Jun. 69. [Animal Experiments, Mice, Bone Marrow Cells Cytology, Chromatids, Chromosome Aberrations, Deoxyribonucleic acid, Lead Poisoning, Leukocytes Cytology, Mitosis, Tissue Culture]

Recognition and classification of the radiological aspects of supposed silicosis: experiment with multiple readings (Italian) Moreschi, N., Rezzonico, A. Med. d. Lavoro, 60, 5-10, Jan. 69. [Human, Silicosis Radiography]


6. Effects of organic substances

On a lethal chloroformic acid methylester intoxication and 13 additional cases with damage to health following the effect of chloroformic acid methylester. (German)
[Accidents Industrial, Esters, Formic Acids, Human]

Is phosgene poisoning still an industrial medicine problem (experiences with 109 phosgene intoxications in the Badische Anilin- and Soda-Fabrik AG within the last 12 years) (German)
[Adult, Chemical Industry, Germany West, Human]

Study of the external secretory function of the pancreas in people working in conditions of combined effect of divinyl and styrol. (Russian)
Bashirov, A. A. Vrach Delo, 2, 125-6, Feb 69.
[Environmental Exposure, Human, Pancreas, Rubber, Styrenes, U.S S.R.]

Accidents and health hazards caused by anti-koink agents consisting of organic lead compounds. (German)
Schwanecke, R. Zbl. Arbeitsmed., 18, 69-78, Mar. 68.
[Accidents Industrial, Automobile Driving, Chemical Industry, Human, Lead Poisoning, Petroleum]

On the symptomatology of the most frequent halogenated hydrocarbon poisonings. (German)
[Human, Hydrocarbons, Halogenate Poisoning, Methyl Chloride, Trichloroethylene]

Industrial medical problems in connexion with dimethylsulfate poisoning. Observations over 30 years in the BASF. (German)
[Accidents Industrial, Germany West, Human]

Observations and experiences in industry concerning the toxicity (physiopathologic effect) of chlorated benzene vapours (mono- to hexachlorobenzene). (German)
Ehrlicher, H. Zbl. Arbeitsmed., 18, 204-5, Jul. 68.
[Benzene Derivatives Poisoning, Chemical Industry, Human]

Cataract in persons working with trinitrotoluene. (German)
[Adult, Cataract Chemically Induced, Human, Trinitrotoluene Poisoning]

Data on the toxicologic assessment of 3, 3-methylchloromethylhexacyclobutane (MOCB). (Russian)
Stankevich, V. V., Rappoport, M. Brach Delo, 8, 105-9, Aug. 67.
[Animal Experiments, Rats, Hydrocarbons, Halogenate Toxicity, Polymers Toxicity]

Several problems of chronic poisoning with croton aldehyde (Russian)

On the industrial hygienic-toxicologic evaluation of chemical substances important to the political economy. 2. Brief communication: technical 2-ethylbutylacetate (primary hexylacetate) (German)
[Animal Experiments, Rats, Environmental Exposure, Human, Solvents Toxicity]

Turpentine oil poisoning in workers of a shoe polish factory caused by D-alpha-pinene. (German)
[Human, Male, Polishes, Turpentine Poisoning, Urologic Diseases Chemically Induced]

Rapidly developing proliferative myelosis. Possible etiologic role of chlorine derivatives of benzene. (French)
[Benzene Derivatives Poisoning, Bone Marrow Diseases, Dyes Poisoning, English Abstract, Human, Myeloproliferative Disorders Chemically Induced]

Severe hemopathy and exposure to chlorine derivatives of benzene (apropos of 7 cases). (French)
[Benzene Derivatives Poisoning, Bone Marrow Diseases, Dyes Poisoning, Human]

Problems in the prevention of the risk of benzene poisoning apropo of 4 toxic disorders, one fatal, occurring in a perfume products factory. (French)
Rigat, H., Vincent, V., Girard, R. J. Méd. Lyon, 50, 775-7, 5 May 69.
[Benzene Poisoning, Bone Marrow Diseases, Human, Kidney Failure, Acute, Perfume]

On the functional status of the liver and stomach in persons subjected to the effects of chloro-organic poisons. (Russian)
[Agricultural Workers, Benzene Hexachloride, DDT, English Abstract, Environmental Exposure, Hepatitis Toxic, Human, Pesticides. Stomach Diseases Chemically Induced, Sulfonic Acids]

An organophosphorus round-up. II. (English)
[Animal Experiments, Dogs, Guinea Pigs, Mice, Rabbits, Rats, Brain Metabolism, Cholineesterase Inhibitor, Human, Liver Drug Effects, Nitrophenols Urine, Oximes Therapeutic Use, Pesticides, Phosphates Metabolism, Pyridinium Compounds Therapeutic Use, Review]

Acute erythremeylosis due to benzene. (French)
[Benzene Poisoning, Erythremic Myelosys, Erythro-leukemia, Human, Time Factors]

Some peculiarities of the clinical aspects of trinitrotoluene cataract. (Russian)
[Cataract, Human, Sex Factors, Trinitrotoluene Poisoning]

Oil and carcinoma of the scrotum. (English)
[Human, Male, Mineral Oil, Scrotum, Urogenital Neoplasms Occurrence]

Clinical and experimental observations on so-called polyneuritis caused by tricresylphosphates. (Italian)

On vinyl chloride occupational poisoning. (Russian)
[Pollution, Ethylene Poisoning, Human, Hydrocarbons Halogenate Poisoning, Plastics]

Frequency of unknown benzene exposure associated with severe hemopathy (apropos of a survey of 200 hospitalized patients). (French)
Revol, L., Girard, R. J. Méd. Lyon, 50, 791-795, May 69
[Benzene Poisoning, Bone Marrow Diseases, English Abstract, Human]

On the toxicity of sarcosyl in various paths of entry into the organism. (Russian)
Kranig, E. Gig. Tr. prof. Zabol., 11, 28-33, Mar. 67.
[Animal Experiments, Rats, English Abstract, Melphalan Toxicity, Skin Absorption, Time Factors]

The clinical aspects and diagnostic value of changes in the morphological composition of the peripheral blood in acute methylmercaptophos poisoning. (Russian)
Tarashchuk, V. V. Gig. Tr. prof. Zabol., 11, 37-41, Feb. 67.
[Agricultural Workers’ Diseases Blood, Blood Cell Count, English Abstract, Human, Insecticides Poisoning]

On substantiation of the maximum permissible concentration of diketene in the air (experimental data). (Russian)
Feldman, I. U. G. Gig. i. Sanit. 32, 11-4, Jan. 67.
[Air Pollution, Chemical Industry, English Abstract, Human, Lactones]

On the methemoglobin-forming ability of isopropyl nitrate, metaxylidine and aniline. (Russian)
[Aniline Compounds, Animal Experiments, Chemical Industry, Dyes, Methemoglobinemia Chemically Induced, Nitrates]

Immunological investigations of individuals with toluene diisocyanate asthma. (English)
[Antigens, Gel Diffusion Tests, Guinea Pigs, Hagemmglutination Tests, Histamine Liberation, Human, In Vitro, Lymphocytes, Passive Cutaneous Anaphylaxis, Rabbits, Serum Albumin, Tissue Culture]

On the toxicity of isobutyronitrile and alpha-hydroxyisobutyronitrile (acetone cyanoxydrid). Demonstration on 2 cases of poisoning. (German)
[Accidents, Chemical Industry, English Abstract, Human, Male, Masks, Nitriles Toxicity]

Clinical and statistical studies in employees of chemical cleaning plants exposed to perchlorethylene. (German)
Franke, W., Eggeling, F. Med. Welt 9, 453-60, 1 Mar. 69.
[Blood Protein Electrophoresis Environmental Exposure, Human, Liver Function Tests, Mathematics, Methods, Tetrachloroethylene Poisoning, Time Factors]

On the evaluation of the damage from organo-phosphoric pesticides in a group of agricultural workers in the Campania region. (Italian)
[Agricultural Workers, Cholinesterase Blood, Human, Organometallic Compounds, Pesticides, Phosphoranes Poisoning]

The clinical study of acute percutaneous ethylene chlorohydrin intoxication. (German)
[Acute Disease, Alcohol Ethyl, Brain Diseases, Extrapyramidal Tracts, Human]

Frequency of diabetes mellitus in workers exposed to the risk of carbon disulfide poisoning. (Italian)
[Carbon Disulfide Poisoning, Diabetes Mellitus, Human, Textile Industry]

On 3 cases of chronic carbon disulfide poisoning with glomerulonephrotic syndrome. (Italian)
[Arteriosclerosis Etiology, Carbon Disulfide Poisoning, Human, Kidney Diseases, Kimmelstiel-Wilson Syndrome, Textile Industry]

Clinico-statistical contribution to the study of carbonic disulfide vasculopathy: analysis of 75 cases. (Italian)
[Carbon Disulfide Poisoning, Cerebrovascular Disorders, Coronary Disease, Human, Hypertension Renal, Italy, Textile Industry, Vascular Diseases]

Allergic reactions of the lungs to enzymes of Bacillus subtilis. (English)
[Bacillus Subtilis, Detergents, Human, Lung Diseases, Masks, Peptide Hydrolases, Precipitin Tests, Skin Tests, Spirometry]

Data on substantiation of the maximum permissible concentration of trimethylolpropane (etiol) in the air of industrial sites. (Russian)
Stankevich, V. V. Gig. i. Sanit., 32, 107-8, May 67.
[Air Pollution, Alcohols, Animal Experiments, Rats, Chemical Industry, Hydrocarbons]

Chromosome aberration in a benzol leukemia. (German)
[Benzene Poisoning, Chromosome Aberrations, Environmental Exposure, Human, Karyotyping, Leukemia Myeloblastic, Time Factors, Toluene Poisoning, Xylen Poisoning]

Percutaneous intoxication by fungicides based on mercury. (English)
[Antifungal Agents, Blister, Human, Mercury Poisoning, Organometallic Compounds, Skin Absorption]

A simple flow-volume device for measuring ventilatory function in the field. Results on workers exposed to low levels of toluene disocyanate. (English)
[Comparative Study, Isocyanates, Environmental Exposure, Human, Sampling Studies, Spirometry]

Effects of trichloroethylene on visual-motor performance. (English)
[Depth Perception, Environmental Exposure, Flicker Form Perception, Human, Motor Skills, Trichloroethylene Toxicity, Visual Perception]

On standardization of toluene in the air of work premises. (Russian)
Faustov, A. S. Gig. i. Sanit., 32, 105-7, Sep. 67.
[Air Pollution, Animal Experiments, Rabbits, Rats, Toluene Toxicity]

7. Effects of animal and vegetable substances

Observations on the Monday syndrome in a Sicilian textile industry complex. (Italian)
[Cotton, Dust, Human, Italy, Pneumoniosis, Textile Industry]

Exposure to dust in the cottonseed oil extraction industry. (English) Nowicki, M. H., El-Sadek, Y., El-Dakhakhny, A. A. Arch. environm. Hlth, 19, 99-103, Jul. 69. [Apnea Etiology, Cottonseed Analysis, Dust, Environmental Exposure, Thoracic Diseases, Time Factors]

Malignant ethmoid bone tumors in woodworkers. (French) Gignoux, M., Bernard, P. J. Méd. Lyon, 50, 731-6, 5 May 67. [Bone Neoplasms, Carcinoma Epidermoid, Cylindroma, Dust, English Abstract, Ethmoid Bone, Human, Lymphosarcoma]


8. Effects of physical agents

On the clinical aspects of severe forms of vibration disease in drill operators. (Russian) Dubinskaya, T. M. Gig. Tr. prof. Zabol., 11, 49-50, May 67. [Environmental Exposure, Human, Iron, Male, Mining, Russian Federation (Europe), Vibration]


Dupuytren’s contracture in vibration disease. (Russian) Zakharov, A. V. Vrach Delo, 8, 113-5, Aug. 67. [Dupuytren’s Contracture Etiology, Human, Male, Middle Age, Vibration]

Significance of gas microuceli in the etiology of decompression sickness. (English) Evans, A., Walder, D. N. Nature (Lond.), 222, 251-2, 19 Apr. 69. [Animal Experiments, Crustacea, Decompression Sickness, Gases, Pressure, Seawater]


Occupational myelopathy, amyotrophic lateral sclerosis type, in pneumatic drill operators. (Italian) Magri, R., La Maida, G. C. Acta neurol. (Napoli), 24, 29-37, Jan-Feb. 69. [Amyotrophic Lateral Sclerosis Etiology, Human, Male, Vibration Adverse Effects]


Respiratory diseases in farming. (English) Gilson, J. C. Ann. occup. Hyl., 12, 121-7, Apr. 69. [Agricultural Workers’ Diseases, Farmer’s Lung, Great Britain, Human, Lung Diseases, Fungal, Silo Filler’s Disease]


Change in certain indices of peripheral circulation under the effect of vibration of various intensities. (Russian) Malinskaia, N. N., Pozdnikova, R. Z., Podgornaia, T. G. Gig. Tr. prof. Zabol., 12, 12-6, Mar. 68. [Cardiovascular Diseases, English Abstract, Hand Blood Supply, Human, Male, Pulse, Vibration]

The effect of vibration of various high frequency ranges on certain physiological functions of the organism in laborers. (Russian) Mikulinskii, A. M. Gig. Tr. prof. Zabol., 11, 48-50, Oct. 67. [Adult Arm, Cardiovascular Diseases, Human, Movement, Skin, Time Factors, Touch, Vibration]


Advances in decompression research. (English) Schreiner, H. R. J. occup. Med., 11, 229-37, May 69. [Decompression Sickness, Diving, Gases Blood, Human, Inert Gas Narcosis]


New approaches to medical aspects of work in compressed air. (English) Behnke, A. R. J. occup. Med., 11, 259-72, May 69. [Accident Prevention, Decompression Sickness, Human, Personal Health Services]
Safe exit from the hyperbaric environment. Medical experience withissorized tunnel operations. (English) Sealey, J. L. J. occup. med., 11, 273-5, May 69. [Accident Prevention, Decompression Sickness, Human]


Computations of continuous decompression schedules for deep sea divers, BNL-50104. (English) Robertson, J. S., Moeller G. U.S. AEC Brookhaven Nat. Lab., 1-37, Mar. 68.

9. Methods of investigation of body function


10. Environmental measurement, control, and protection of the subject

The proposed ACGIH mass limits for quartz: review and evaluation. (English) Ayer, H. E. Amer. industr. Hyg. Ass. J., 30, 117-25, Mar.-Apr. 69. [Dust, Electronics, Human, Methods, Silica]

Device for measuring lead and cadmium in air. (English) Amer. industr. Hyg. Ass. J., 30, 197-8, Mar.-Apr. 69. [Air Pollution, Cadmium Analysis, Lead Analysis]

11. Miscellaneous


Significance of lymphoblast transformation in allergic contact eczema. (German) Jung, E. G. Ther. Umsch., 26, 94-6, Feb. 69. [Antibody Formation, Chromates, Dermatitis Contact, Human, Hypersensitivity, Lymphocytes Metabolism, Models Biologic]

Bronchitis in foundry workers. (English) De Haller, R., Suter, F. Respiration, 26, 223-4, 1969. [Age Factors, Bronchitis Occurrence, Environmental Exposure, Human, Metallurgy, Pulmonary, Emphysema, Smoking]

Eczema by occupational contact (study of 600 cases). (Spanish) Ocana, Sierra, J., Gimenez Camarasa, J. M. Act. dermat. fíligr. (Madr.), 59, 383-401, May-Jun. 68. [Dermatitis Contact Etiology, Eczema, Arm Facial, Hand Dermatoses Etiology, Human, Nurses Occupational Dermatitis, Seasons, Skin Tests, Spain]