

January, 1943

Industrial Hygiene Foundation,
4400 Fifth Avenue,
Pittsburgh, Pa.



INDEX

INDUSTRIAL HYGIENE DIGEST
1942

Absenteeism		Air analysis (cont'd)	
490-491-1133-1135		organic compounds	102
reduction of	823	pyridine	106
statistics	1047	radon	669
Acrylic plastics		standard methods	767
manufacture	784	sulfur dioxide	294
Acrylonitrile		sulfur monochloride	1157
181		thoron	774
Air analysis		toluene	205
acrolein	1159	ultraviolet light instrument	1154
acetylene	401-1024	unsaturated hydrocarbons	463
APHA methods	548	x-ray diffraction	912
arsine & phosphine	783	Air borne infection	
bacteriological	100-107	control of	938
benzene	101	Air conditioning	
benzene & toluene	660	blackout plants	933
benzene signaling apparatus		chemistry laboratory	468
673		in crane cabs	207
carbon disulfide	110	in mines	208
carbon monoxide	103-201-549-1163	Airflow measurement	
carbon tetrachloride	108	768-1027	
chloroform	108	Air travel	
dichlorethane	104	medical problems	457
dust counting	671	Algae	
dust dispersion	776	toxicity	1123
dust measurement	775	Allergy	
electrical method for traces		iodine	755
1161		respiratory	315
formaldehyde	200	Aluminum	
gases and vapors	674	inhalation	176
glass nomimeter	913	Aminoacetic acid	
hydrogen sulfide	110	effects on capacity	319
lead, cadmium, zinc	769		
methane	778		
methyl cellosolve	1152		
naphthalene	105		
nitrogen oxides	109-1031		

004001

amino compounds					
aromatic					
toxicity		196		Antiseptics	
				toxicity	747
Analysis				Aphonia	
antimony & bismuth	1153			in telephone operators	420
arsenic	664-666			Arsenic	
bismuth	731			industrial deposition	1118
carbon monoxide in blood	1162			in urine	741
chemicals, explosive	461			poisoning	
cobalt	670			in vine growers	1119
ethanol	920			vitamin C therapy	736
fluorine	394-771			Arsine	
glycerol	919			184	
heavy metals in foods	1023			Arthritis	
lead	95-97-98-402-403			compressed air workers	459
mercury	99			skin burn	637
in foods	923			Asbestos	
nitroaniline	293			effect on animal tissues	834
pentachlorophenol	667			Asbestosis	
phenol in the tissues	662			366	
phenothiazine	918			Aspergillosis	
phosphorus	922			pulmonary	360
propylene glycol	206			Atmospheric pollution	
quartz (silica)	291-398-1030			industrial	943
selenium in foods	926			Aviation, medicine	
silicon	780			developments	535
trace elements in foods	1023			extreme temperatures	963
trinitrotoluene	204			industrial hygiene	536
				military aviation	537
Anemia				occupational hazards	459
toxic				problems	763
tests for	1007			Barium carbonate	
Anesthesia				28	
overdose in	968			Basic proteins	
Aniline				toxicity	890
oil	51			Benzene (benzol)	
poisoning	728			44-385-386	
Anoxia				and hypovitaminosis	190
high altitude flying	1006			aplastic anemia	195
Antracosis				legislation	623
element	24-33			poisoning	622-624
Amalgam				safe use of	1005
44-410-410				urine sulfate test	1156
brush workers	538				
Amalgam tests	690				

Index - 3.

Benzoic acid			Carbon dioxide		
toxicity	860		405		
Beryllium			fatality	614	
oxide poisoning	745		in grain bins	1103	
toxicity	514		Carbon disulfide		
Bismuth			in body fluids	113	
lung dusting experiments	443		mental symptoms of poisoning	529	
Bone and joint			poisoning	191-284	
occupational disease	426		therapy	732	
Bronchial asthma			Carbon monoxide		
occurrence	649		agglutinin studies	722	
Burns			clinical study - Holland Tunnel	1102	
therapy	217-219-421-973		compressors	643	
1140-1141-1142-1143			effects	273-274	
Cadmium			on ear	721	
1034			in asphyxia	187	
chronic toxicity	848		in mines	370	
hazard	849		in tunnel	368	
poisoning	449-617-845		poisoning	720	
protection	684		retention	896	
Calcium cyanamide			Carbon tetrachloride		
poisoning	851		32-59		
toxicity	748		effect of vitamin A	381	
Cancer			fatality	625	
actinic and arsenic	871		hormonal reactions	626	
amino derivative	173		liver injury in rats	895	
arsenic	178		poisoning	453-517	
asbestos	193		safety limit	1087	
benzidine	729		sulfonamide protection	404	
carbon monoxide	532		Cement industry		
carcinogenic agent	653-654-655-758-880-881		morbidity & mortality	588	
chemical agents	872		Cetylpyridinium chloride		
chromate industry	520		toxicity	863	
experimental	656		Cetyltrimethylammonium bromide		
fuel oil distillates	528		865		
lead treatment	1110		Chlorinated hydrocarbons		
lignite workers	1112		occupational diseases	1012	
pitch	1111		poisoning	631-730	
rabbits	1014		toxicity	281-630-852-885	
tar	54-74-82-652		Chlorinated naphthalene		
therapeutic	81		poisoning	861	
oil solvent			Chloroform		
on skin	454		toxicity to rabbits	1090	

004003

Mononitrobenzene	
ultraviolet radiation therapy	
540	
Chlorosulphonic acid	
toxicology	1093
Chromium	
injuries	619
ulcerations	194
Coal mining	
ventilation of hazards	1083
Cobalt	
poisoning	616
Colorimeter	
portable	395
Compressed air	
occupational diseases	459
Copper	
as a food contaminant	1121
poisoning	612
Cornea injury	
877	
Cotton industry	
health workers	1132
Cross examination	
and the physician	1053
Cutting oil	
241	
Cyanogen	
poisoning	38
Cyanohydrin	
toxicity	1092
Diisopropyl vinyl ether	
872	
Electron workers	
blood findings in	869
Emergency service	
Industrial	414-415-949-950

Dermatitis	
adhesive tape	907
air conditioning workers	900
alkali	525
calcium cyanamid	117
carbitol solvent	454
cleaning compounds	119
contact	306
control	413
creosote	908
cutting oil	85
cyanide	383
dentures	905
diagnosis	435-523
dic-a-doo	80
dyes	635
ear phone	903
elastiglass	391
emetine hydrochloride	522
from respirator	634-901
imitation leather	904
mango	392
nail lacquer	83-910
occupational	94
oil	909
organic liquids	636
parsley	393
plastics	389
skin tests	140-424
solvent	387
synthetic resin	524
tanning industry	753
textiles	760
wood	911
zinc	754

Dermatoses	
bakers' eczema	756
common	243
fat metabolism	1124
histamine	757
occupational	638-639
phanerogamous plants	527
pH of the skin	1128
skin penetration	750
vitamin deficiencies	526

Derris	
chronic toxicity	642

Dichloroethane	
toxicity and control	663

Ethyl ether	
toxicity	1094
Ethylene dichloride	
859	
Ethylene glycol	
714	
creatine	716
electrolytes	718
glucemia & ketonemia	717
lipides	715
morphology	719
Ethyl mercaptan	
ignition	1000
Examination	
physical	1149
cardiovascular	418
civil service	312
periodic	416
use of x-rays	1043
value	311
pre-employment	133
periodic	
garment workers	956
Exhaust ventilation	
fan design	685
paint shop	787
Explosions	
893-1016-1017-1019	
calcium hydroxide	749
control	
in paint industry	1169
dust	840
Explosives	
gaseous products	988
safe handling of	944
sheathed	839
Eye	
hazards	226
mercury vapor lamps	455
injuries	323
medical service	331
protection	
metal foggle	939
light	
industry	1049

Fatigue	
a survey	689
chronic	35
drivers	766
gas masks	471
industrial	218-460-1148
pervitin study	995
salt water balance	960
vitamin B complex	952
Ferro-manganese	
crushing hazards	1114
"Fiberglas"	
180	
Fire and explosion	
1018	
hazards	931
Fire hazards	
893	
control of oil fires	797
electric shock	1008
light metals	1122
power plants	1015
protection	679-932
First-aid	
324	
Fluid-friction	
graphical solution	1167
Fluorine	
dental caries	541-879-888
effect of calcium intake	1097
gases	
control of	795
in dicalcium phosphate	1095
in teeth and bones	782
in waste gases	724
metabolism	364
normal balance	994
osteopathy	230
poisoning	241
antidotes	819
in cattle	996
retention & elimination	197
Fluoroscopy	
effect on eyes	174
Folliculitis	
brass workers	751
oils	752

Formaldehyde			Health (cont'd)	
61			industrial (cont'd)	
Foundry industry			in wartime	136
code of practice	469		labor dept., role of	146
mould cleaning	552		maintenance	459
Fur workers			management's obligation	1131
62			morbidity	482
Gases			program	39-48-137-138-139
exhaust			Dept. of Labor	545
diesel	275-276		report	230-232
gangrene			symposium	143
from magnesium	1113		women	539
mask			personnel needs	802
testing	400		war workers	1134
occupational diseases from			workers and production	961
1011				
war	87		Hearing	
Gasoline			conservation	321
36			noise, and	322
intoxication	450		occupational deafness	63
in the lungs	892		standards	320
Glycol			Heat	
toxicities	516		disease	179
Granite workers			pyrexia	
136			treatment	965
Hand cleansers			sickness	1051
solvents	899		solar radiation	473
Handicapped			Hemoglobin	
employment of	141		photoelectric analysis	1158
Hazardous occupations			Hernia	
957			220	
Health			Hours of labor	
fuel rationing	1137		964	
hazards	889		Housekeeping	
refrigerants	891		and sanitation	1037
industrial	144-1150-1151		good practice	942
agencies	565		Humidity	
clothing	682		effect	378-406
education	466		Hydrocarbons	
educational needs	803		aromatic	725
executives	479		Hydrofluoric acid	
federal coverage	564		78	
in Britain	563		on skin	613
in Canada	566		Hydrogen chloride	
			inhalation effects	1088
			poisoning	726

Hydrogen selenide
371

Hydrogen sulfide
41-734
antidote 608

Hygiene

industrial 189-225-299-337-809
in national defense 239
jurisdiction 808
lectures 484
less toxic substitutes 466
medical progress 641
program 801
progress report 686
small plants 788
state & local health depts.
583
surveys 1130
war industry 534
wartime 1048

Hypertension
419

Illumination
production factors 792-793

Impinger
shattering 397

Industrial Code
American Foundrymen's Assoc.
680
Colorado 835
New York
foundries 677
stone crushing 676

Industrial poisons
807

Infection device
for infecting animals 917

Insecticides
spray residue removal 796

Interferometer
1026-1029

Irritant gases
effect on cilia 992

Isophorone
283

Isopropyl alcohol
as a germicide 969

Labour legislation
967

"Lasters' disease"
359

Lead

absorption 592
from shot 1107
and Basedow's disease 737
and porphyria 169-170
anemia 740
azide poisoning 590
blood analysis 550
dental braces 591
distribution in body 518
drinking water 594
effects
experimental 279-280
electrochemical analysis 661
immunity protection 596
intoxication 595
in brass foundry 163
in glass plant 171
in printing 357
in urine 228
leucocytes 593
lung experiments 443
multiple sclerosis 448
poisoning 72-278-444
Baltimore 738
from gasoline 1106
hemopoiesis in 1104
industrial exposure 1109
in animals 855
in children 597-993
prevention 659-1108
treatment of
277-447-947-1147-1138

Leather industry
hazards 440

Legal testimony
637

Leptospirosis jaundice
epidemiology 456

Lewisite and Yperite skin reaction	735	Mercury control	
Light metal injuries	600	in mining industry	555
"Liquigas" 174		fulminate	86
Longevity disabled workers	546	pathology	604
Lymphatics cutaneous phenomena	1127	poisoning	69
Lymphogranuloma benigna 30		in mining	177
Magnesium		from plastic paint	185
action	598	treatment	739-842
casting	363	protection	683
gas gangrene	199	symptomatology	603
pneumagranuloma	599	vapor	
toxicity	193	effect	602
Maintenance hazards 884		visible	991
Manganese		Mesityl oxide	
general	73	283	
pneumonia	67-606	Metal fume fever	
poisoning	607-1115	601	
Mattress industry acute illness	713	Methacrylate resins	
Medicine, industrial		369	
economic aspects	434	Methane	
education	335-336-422-431	ignition in air	838
first aid	223	Methanol	
general		formaldehyde from	543
222-242-310-328-329-330-353-334		toxicity	1010
history	485	Methyl chloride	
industrial hospital	568	poisoning	628
medical department	562	histology	627
nutrition	483	Methyl salicylate	
plant service	475	poisoning	868
program	477-478-489-951	Micro-gas analyzer	
plans	325-332	1022	
report	427	Microscope	
small industries	561-804	electron	111
testimony	432	Mine gases	
test program	560	794	
"Mortimer" poisoning	286	Mine inspections	
		990	
		Mining industry	
		coal explosions	508
		non-ferrous metals	507
		Morale	
		industrial	1052

Index - 10.

Textile industry
health hazards 88-89-90-188

Naphthalene
86

Naphthalenes, chlorinated
toxicity 197

National defense report
800

Neuritis
from poisoning 633
occupational 632

Nickel and cobalt
toxicity 850

Nickel carbonyl
pneumonias 605

Nicotine
inflammable limits 999

Night blindness
need for tests 970

Nitrochlorobenzene
53

Nitro compounds
aromatic
toxicity 196

Nitroethane
172

Nitrogen oxides
dangers 609-1003
pulmonary edema 610
therapy 451

Nitroparaffins
83
metabolism of 1089

Nitrogen
elimination 23

Painting
industrial 135-433-437-438
role in defense 240

Nutrition
798
industrial workers 1144
war workers 945-1145

Nystagmus
221
miner's 43-761-376

Onychia
solvent 75

Onycholysis
in fur workers 77

Oxygen
consumption
in poisoning 1013
lack
effects of 272
mask apparatus 472
poisoning 998

Ozone
91-92-93

P-aminobenzoic acid
toxicity 515

Paint industry
hazards 384
multiple sclerosis 448

Paraphenylenediamine
45

Pearl button industry
health hazards 446

Phenol
in the blood 1155

Phenothiazine
poisoning 862

Phenylthiocarbamide
toxicity 866

Phenyl mercuric oleate
79

Phosgene
84-374
poisoning 843-844
and treatment 1146

000000

Index - 11.

Phosphorus			Printing industry	
burns	897		poisoning	647
treatment	1139			
detoxification	1105		Projection booth fumes	
poisoning	65-66		120	
toxicology	615			
Photographic industry			Propylene glycol	
cataract	875		380	
			bactericidal action	941
Photolithography				
hazards in	1004		Psychiatry	
			war industry	544
Photosensitization				
petroleum	282		Quartz	
			rate of solution	396
Physiology of gases				
886			Radioactive compounds	
			handling	213
Plastics industry			regulations for	1116
hazards	389			
			Radioactive substances	
Pneumoconiosis			hazards	521
APHA report (1941-42)	832			
bituminous coal	587		Radium	
coal miners	836		control	665
earth colors	645		dials	
emamel	646		storage	1117
fuller's earth	831		nervous system	620
miners	511-513		poisoning	618-846
physical type	152		diagnosis	773
talc industry	442		safe handling	302
			ventilation requirements	465
Poisoning				
heavy metals	1033		Refrigerant hazards	
			533	
Poisons				
general	829		Rehabilitation	
			327	
Polishing, incandescent			a community program	567
protective gas	723			
			Resins	
Polynouritis			synthetic	57
394				
Polyvinyl alcohol			Respiratory protection	
toxicity	1099		approved	131
			gas mask	123
			general	214
Polymuria				
in lead poisoning	169-170		Resuscitation	
			142	
Polymuria			Röntgen rays (x-rays)	149
general	42		alteration in density	227
physiological studies	833		anemia	875
effects on ear	289		diffraction photometers	772

Roentgen rays (x-rays) (cont'd)			Skin (cont'd)		
effect on heart	870		sensitivity		
exposure time	916		job placement	959	
Radiation			Sodium bicarbonate		
industrial	301		antidotal effects	640	
Radium			Sodium cyanide		
21			toxicology	853-854	
arsenic protection	644		Sound		
Short wave exposure			474		
762			Spark proof floors		
Silica			1036		
animal experiments	183		Spectrograph		
experiments	268		96		
Silicon			Sporotrichosis		
365			288		
Silicosis			Statistics		
and the heart	1002		analysis	229	
and pneumonia	1086		morbidity & mortality	145-148	
acidity quotient	777		morbidity	233-805	
case report, New Zealand	441		industrial	307-308-309	
chemical examination	362-657		Steel mill		
control	551		health hazards	361	
coroner's problems	356		Streptococci		
dressmakers	509		in air	216	
foundrymen	271		Styrene		
general	21-29-34-779		inflammability	658	
incidence	304		Sugar industry		
in the Gold Coast	1084		hazards	390	
lung dust deposits	510		Sulfur		
lung function	231		27		
miners	26		sulfur dioxide from	733	
metal	198		Sulfur dioxide		
organic silicon in lung	1025		gastric ulcers	887	
prevention	467		Surveys		
Russia	305		industrial hygiene		
systemic	1001		technic	399-428	
tuberculosis	367		Syphilis		
Wales	1085		134		
Silver			Talc		
excretion	313		358		
Skin					
absorption	902				
bleaching	411-412-898				
1. uses					
employment policy	958				
protection					
exposure	1020				

Tellurium	
industrial exposure to poisoning	939 856
"Teripitol"	
CO	
Testes and occupation	
531	
Tetrachloroethylene	
decomposition	853
Tetranitromethane	
hazards of	727
Tetryl	
illness	828
poisoning	590
Thallium poisoning	
68	
alopecia	857
Thermal precipitator	
202	
T.H.T.	
health hazards	542
in urine	203
jaundice	175
Titanium	
847	
Toluene	
effects	285-287
toxicity	822
Toxicology	
heavy metals	743
organic chemicals	1009
pituitary effects	744
Trichloroethylene	
442-449	
as an anesthetic	966
anesthesia	971
Trimethylene glycol	
31	
2,4-Dinitrotoluene	
31	
poisoning	1096

Triorthocresyl phosphate	
373	
Tuberculosis	
case finding	915
childhood	1041
compensation	429
experimental	25
general	150-151-153-154
industrial	1042
in Scotland	954
miners	511-512
portable x-ray unit	914
prevention	234
serodiagnosis	235
sputum tests	589
trauma and other occupational factors	445
vitamins A and C	1136
x-ray	955
Tungsten	
70	
Tunnel workers	
boils	906
Turpentine	
46-372	
Ultraviolet light	
burns	375
therapy	638
Undulant fever	
52	
Urology	
industrial	430
Vanadium	
toxicology	621
Ventilation	
cost reduction	935
dust prediction	210
fan laws	930
filter test	152
general	211
in blackout	215
in mines	121
in shake-out	212
in tunnel work	309
low velocity	296
reduction pressure loss	929

Index - 14.

Vericants in the eyes treatment	946
Vitamin B effect on capacity	417
Vitamins 315-317-318-1050 and colds	224
Volatile solvents APHA report (1941-42)	867
War industries hazards 382-383-423-436 health 476 occupational diseases 1126	
War gases mechanism of action	883
War neuroses treatment	953
Water supply copper content of 742 poisoning of 764	

Weil's disease 236-237-238	
Welding fumes and gases and tuberculosis 937 hazards 611-785 ventilation 678	
Welfare program 806 recreation 962	
Women in industry 425-799-1044-1045 in war industry 1046	
Workmen's compensation aliens 547	
Zinc 64-379 dust fire hazard 746	