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What is NIOSH?

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Current Intelligence Bulletins

DataBase & Electronic Products



U.S. Department of Health and Human Services
Public Health Service
Centers for Disease Control and Prevention
National Institute for Occupational Safety and Health



National Institute for Occupational Safety and Health

The National Institute for Occupational Safety and Health (NIOSH) is the Federal agency responsible for conducting research and making recommendations for the prevention of work-related disease and injury. The Institute is part of the Centers for Disease Control and Prevention.

Although workplace safety and health issues are often forgotten, they potentially affect every American. Each day, an average of 16 workers die from injuries on the job. An estimated 137 additional workers die each day from workplace diseases. Even those not in the work force can be exposed to hazardous workplace substances unknowingly brought home on a worker's clothing, tools, or vehicle.

NIOSH is responsible for conducting research on the full scope of occupational disease and injury ranging from lung disease in miners to carpal tunnel syndrome in computer users. The philosophy of NIOSH is articulated in the Institute's vision statement: Delivering on the Nation's promise: safety and health at work for all people...through research and prevention.

NIOSH AND OSHA

Distinct Organizations with Distinct Missions

NIOSH was established by the Occupational Safety and Health Act of 1970 which also established the Occupational Safety and Health Administration (OSHA). Although NIOSH and OSHA were created by the same Act of Congress, they are two distinct agencies with separate responsibilities. OSHA is in the U.S. Department of Labor and is responsible for creating and enforcing workplace safety and health regulations. NIOSH is in the U. S. Department of Health and Human Services and is a research agency. NIOSH and OSHA often work together toward the common goal of protecting worker safety and health.

In addition to conducting research, NIOSH

- investigates potentially hazardous working conditions when requested by employers or employees
- makes recommendations and disseminates information on preventing workplace disease, injury, and disability
- provides training to occupational safety and health professionals

NIOSH is a diverse organization made up of employees representing a wide range of disciplines including industrial hygiene, nursing, epidemiology, engineering, medicine, and statistics.

Headquartered in Washington D.C., NIOSH has offices in Atlanta, Georgia and research divisions in Cincinnati, Ohio; Morgantown, West Virginia; Bruceton, Pennsylvania; and Spokane, Washington.

NIOSH researchers work together to reduce the enormous toll of workplace injury and disease on our country. In 1995, occupational injuries alone cost \$119 billion in lost wages and productivity and related costs. This figure does not include the cost of occupational illnesses.

This drain on human and economic resources can be drastically reduced. Much progress has been made to date, largely based on the science and knowledge generated from occupational safety and health research. Most of this research is conducted or funded by NIOSH.

To lead occupational safety and health research into the next decade, NIOSH and its partners have developed the *National Occupational Research Agenda*. For more information about the *Agenda*, NIOSH, or workplace safety and health issues, call

1-800-35-NIOSH

(1-800-356-4674)

or visit the NIOSH Homepage on the
World Wide Web:

<http://www.cdc.gov/niosh>

NIOSH PUBLICATIONS CATALOG

FY 1986 - FY 1997

**U.S. Department of Health and Human Services
Public Health Service
Centers for Disease Control and Prevention
National Institute for Occupational Safety and Health
Education and Information Division
4676 Columbia Parkway, C-13
Cincinnati, OH 45226-1998
1-800-356-4674
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www.cdc.gov/niosh**

June 1998

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Education and Information Division
National Institute for Occupational Safety and Health
4676 Columbia Parkway, C-13
Cincinnati, OH 45226-1998

Fax: (513) 533-8573
Telephone: 1-800-35-NIOSH (1-800-356-4674)
E-mail: pubstaft@cdc.gov

To receive other information about occupational safety and health problems,
call 1-800-35-NIOSH (1-800-356-4674), or visit the NIOSH Home Page
on the World Wide Web at <http://www.cdc.gov/niosh>

DHHS (NIOSH) Publication No. 98-110

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PREFACE

The purpose of this document is: (1) to provide a list of basic reference publications of the National Institute for Occupational Safety and Health (NIOSH) and (2) to supplement the latest NIOSH Publications Catalog (7th edition, 1987). This document is divided into seven sections:

Section I lists NIOSH publications, which include Alerts, Criteria Documents, Occupational Hazard Assessments, Special Hazard Reviews, Joint Occupational Health Recommendations, Current Intelligence Bulletins, Hazard Controls, Hazard Identifications, FY 1986 - FY 1997 NIOSH Numbered Publications and Mine Safety and Health Publications.

Section II lists NIOSH Bibliographies. These bibliographies contain listings of NIOSH Publications or non-NIOSH documents, or full-text copies of selected references.

Section III lists NIOSH unnumbered NIOSH publications.

Section IV the contains NIOSH 800-Number directory.

Section V contains the CDC/NIOSH FAX Information Service Directory.

Section VI contains information regarding Databases and Electronic Products.

Section VII contains information about Getting Connected to the NIOSH Home Page.

All publications listed in the *Catalog* may be obtained in one or more of the following ways.

- (1) Single copies of publications available from NIOSH may be ordered without charge as long as supplies last (please include self-addressed mailing label) from:

National Institute for Occupational Safety and Health (NIOSH)
Education and Information Division
Attn: Publications Office, C-13
4676 Columbia Parkway
Cincinnati, OH 45226-1998
1-800-356-4674
FAX: (513) 533-8573
pubstaft@cdc.gov
<http://www.cdc.gov/niosh>

- (2) Copies of any publication cited in this document with an "NTIS Stock No." may be ordered from the National Technical Information Service (NTIS) using the NTIS order form located in the back of this document.
- (3) Copies of any publication cited in this document with a "GPO Stock No." may be ordered from the Government Printing Office (GPO) using the GPO order form located in the back of this document.

Please note that some NIOSH publications are available from more than one source. Be sure that your order reflects the correct publication number or stock number and that it is sent to the appropriate source. Do NOT send NTIS or GPO orders to NIOSH.

I. PUBLICATIONS CONTAINING OCCUPATIONAL SAFETY AND HEALTH RECOMMENDATIONS

Under the authority of the Occupational Safety and Health Act [29 USC 1900] and the Mine Safety and Health Act [30 USC 80], NIOSH develops and recommends criteria for preventing disease and hazardous conditions in the workplace. NIOSH recommended exposures limits (RELs) are examples of such criteria. NIOSH also recommends preventive measures (e.g., engineering controls, safe work practices, personal protective equipment, and environmental and medical monitoring) for reducing or eliminating the adverse health effects of these hazards. To formulate these recommendations, NIOSH evaluates all relevant scientific information about a given hazard. These recommendations are transmitted to the Occupational Safety and Health Administration (OSHA) or the Mine Safety and Health Administration (MSHA) of the U.S. Department of Labor for use in promulgating legal standards. These recommendations are generally made in formal publications, including Criteria Documents, Special Hazard Reviews, Occupational Hazard Assessments, Joint Occupational Health Recommendations, Current Intelligence Bulletins, Alerts, Hazard Controls, Hazard Identifications, Reports of Investigations, Information Circulars, Technology Newsletters and Mining Health and Safety Updates.

Criteria Documents (CDs) are developed to provide the basis for comprehensive occupational safety and health standards. These documents generally contain a critical review of the scientific and technical information available on the prevalence of hazards, the existence of safety and health risks, and the adequacy of control methods. Recommendations for minimizing safety and health risks include medical monitoring, exposure assessment, worker training, control technology, personal protective equipment, and record keeping, as well as RELs where appropriate.

Special Hazard Reviews (SHRs) and Occupational Hazard Assessments (OHAs) are written to complement NIOSH recommendations for standards. These documents assess safety and health problems and recommend appropriate methods for control and monitoring.

Joint Occupational Health Recommendations (JOHRs) are developed with foreign government agencies. Memorandums of Understanding for such joint publications have been signed between NIOSH and the Swedish National Institute of Occupational Health (NIOH) as well as NIOSH and the Nordic Expert Group for Documentation of Occupational Exposure Limits (NEG). One product of these agreements is the developments of JOHRs in order to provide the scientific basis for establishing recommended occupational exposure limits.

Current Intelligence Bulletins (CIBs) review and evaluate new and emerging information about occupational hazards. They may draw attention to

a previously unrecognized hazard, report new data on a known hazard, or disseminate information about hazard control.

Alerts briefly present new information about occupational illness, injuries, and deaths. Alerts urgently request assistance in preventing, solving, and controlling newly identified occupational hazards. Workers, employers, and safety and health professionals are asked to take immediate action to reduce risks and implement controls.

Hazard Controls (HCs) are a brief 1-2 page, user-friendly document that describe control techniques that have been documented to substantially reduce hazardous exposures to workers in a particular application/industry process. Successful engineering and work practice controls are outlined with illustrations.

Hazard Identifications (HIDs) are a brief 1-2 page, user-friendly document that summarize results of NIOSH studies at a specific worksite, that identify new or current health and safety hazards, and offer the best recommendations for control or prevention. HIDs are directed primarily to benefit other workers who are similarly exposed at other worksites in the United States, but may be unaware of the hazards and measures for prevention.

Reports of Investigations (RIs) present the results of original mining health and safety research. They describe individual, short-term studies and include the objective of the research, the materials and techniques used, and the results of tests or experiments.

Information Circulars (ICs) present information compiled and analyzed by mining health and safety researchers. They include historical and statistical data, surveys of mining and operating activities, computer program descriptions and user guides, and annotated bibliographies.

Technology Newsletters (TNLs) are a one-page flyer used to announce a milestone in mining health and safety research, technology ready for transfer to industry, or an opportunity for cooperative research and development.

Mining Health and Safety Updates are a newsletter issued periodically on difference topics to apprise readers of tangible research results and to expedite the transfer of new technologies to customers. Each section describes what is new or changed in relation to current practices or technologies in mines today.

I. PUBLICATIONS CONTAINING OCCUPATIONAL SAFETY AND HEALTH RECOMMENDATIONS

A. ALERTS

- 84-106** Request for Assistance in Controlling Carbon Monoxide Hazard in Aircraft Refueling Operations, February 1984
- 85-103** Request for Assistance in Preventing the Injury of Workers by Robots, December 1984
NTIS No: PB 85-236-818/A02
- 85-104** Request for Assistance in Preventing Electrocutions of Workers in Fast Food Restaurants, December 1984
NTIS No: PB 85-244-598/A02
- 85-110** Request for Assistance in Preventing Deaths and Injuries from Excavation Cave-ins, July 1985
NTIS No: PB 86-121-415/A02
- 85-111** Request for Assistance in Preventing Electrocutions from Contact Between Cranes and Power Lines, July 1985
NTIS No: PB 86-121-423/A02
- 85-112** Request for Assistance in Preventing Hazards in the Use of Water Spray (Fog) Streams to Prevent or Control Ignition of Flammable atmospheres, July 1985
NTIS No: PB 86-121-423/A02
- 86-110** Request for Assistance in Preventing Occupational Fatalities in Confined Spaces, January 1986
NTIS No: PB 86-205-754/A02
- 86-118** Request for Assistance in Preventing Fatalities Due to Fires and Explosions in Oxygen - Limiting Silos, July 1986
NTIS No: PB 87-111-399/A02
- 86-119** Request for Assistance in Preventing Grain Auger Electrocutions, July 1986
NTIS No: PB 87-105-599/A02
- 87-100** Request for Assistance in Preventing Electrocutions Due to Damaged Receptacles and Connectors, October 1986
NTIS No: PB 87-174-249/A02
- 87-103** Request for Assistance in Preventing Fatalities of Workers Who Contact Electrical Energy, December 1986
NTIS No: PB 87-189-023/A02
- 88-100** Request for Assistance in Reducing the Potential Risk of Developing Cancer from Exposure to Gallium Arsenide in the Microelectronics Industry, October 1987
NTIS No: PB 88-188-829/A03
- 88-102** Request for Assistance in Preventing Entrapment and Suffocation Caused by the Unstable Surfaces of Stored Grain and Other Materials, December 1987
NTIS No: PB 88-188-735/A03
- 88-103** Request for Assistance in Preventing Vision Disturbances and Acute Physical Distress Due to Dimethylethylamine (DMEA) Exposure, December 1987
NTIS No: PB 88-188-651/A03
- 88-104** Request for Assistance in Preventing Electrocutions by Undetected Feedback Electrical Energy Present in Power Lines, December 1987
NTIS No: PB 88-188-743/A03
- 89-109** Request for Assistance in Preventing Death from Excessive Exposure to Chlorofluorocarbon 113 (CFC-113), May 1989
NTIS No: PB 90-103-391/A03
- 89-110** Request for Assistance in Preventing Electrocutions of Workers Using Portable Metal Ladders Near Overhead Power Lines, July 1989
NTIS No: PB 90-129-255/A02
- 90-100** Request for Assistance in Preventing Worker Deaths and Injuries from Falls Through Skylights and Roof Openings, December 1989
NTIS No: PB 90-192-915/A03
- 90-103** Request for Assistance in Preventing Deaths of Farm Workers in Manure Pits, May 1990
NTIS No: PB 90-242-033/A03
- 90-104** Request for Assistance in Preventing Knee Injuries and Disorders in Carpet Layers, May 1990
NTIS No: PB 90-242-025/A02
- 90-105** Request for Assistance in Preventing Adverse Health Effects from Exposure to Dimethylformamide (DMF), September 1990
NTIS No: PB 91-152-710/A03
- 90-116** Request for Assistance in Preventing Bladder-Cancer from Exposure to o-Toluidine and Aniline, December 1990
NTIS No: PB 91-188-953/A03
- 91-110** Request for Assistance in Preventing Electrocutions During work with Scaffolds Near Overhead Power Lines, August 1991
NTIS No: PB 92-121-532/A03
- 91-116a** Request for Assistance in Preventing Lead Poisoning in Construction Workers - Revised Edition, April 1992
NTIS No: PB 92-205-194/A03
- 92-102** Request for Assistance in Preventing Silicosis and Deaths from Sandblasting, August 1992
NTIS No: PB 93-136-190/A03
- 92-106** Request for Assistance in Preventing Falls and Electrocutions During Tree Trimming, August 1992
NTIS No: PB 93-136-141/A03
- 92-107** Request for Assistance in Preventing Silicosis and Deaths in Rock Drillers, August 1992
NTIS No: PB 93-136-133/A03
- 92-108** Request for Assistance in Preventing Worker Injuries and Deaths Caused by Falls From Suspension Scaffolds, August 1992
NTIS No: PB 93-145-720/A02
- 93-105** Request for Assistance in Preventing Injuries and Deaths from Metal-Reinforced Hydraulic Hoses, May 1993
NTIS No: PB 93-236-149/A02
- 93-109** Request for Assistance in Preventing Homicide in the Workplace, September 1993
NTIS No: PB 94-134-038/A02
- 94-100** Request for Assistance in Controlling Nitrous Oxide During Anesthetic Administration, April 1994
NTIS No: PB 94-194-149/A03
- 94-102** Request for Assistance in Preventing Organic Dust Toxic Syndrome, April 1994
NTIS No: PB 94-194-305/A03

94-105 Request for Assistance in Preventing Scalping and Other Severe Injuries from Farm Machinery, June 1994
NTIS No: PB 94-218-245/A03

94-107 Request for Assistance in Preventing Drownings of Commercial Fishermen, April 1994
NTIS No: PB 94-194-255/A03

94-125 Request for Assistance in Preventing Injuries and Deaths of Fire Fighters, September 1994
NTIS No: PB 95-174-876/A03

95-101 Request for Assistance in Preventing Injuries and Deaths of Loggers, December 1994
NTIS No: PB 95-189-759/A03

95-108 Request for Assistance in Preventing Electrocutions of Crane Operators and Crew Members Working Near Overhead Power Lines, May 1995
NTIS No: PB 95-241-162/A03

95-125 Request for Assistance in Preventing Deaths and Injuries of Adolescent Workers, May 1995
NTIS No: PB 95-260-956/A03

96-111 Request for Assistance in Preventing Asthma and Death from Diisocyanate Exposure, March 1996
NTIS No: PB 96-191-911/A03

96-112 Request for Assistance in Preventing Silicosis and Deaths in Construction Workers, May 1996
NTIS No: PB 96-197-389/A03

96-118 Preventing Carbon Monoxide Poisoning from Small Gasoline-Powered Engines and Tools, November 1996
NTIS No: PB 97-147-078/A03

96-118a Preventing Carbon Monoxide Poisoning from Small Gasoline-Powered Engines and Tools, Warning Sheet, November 1996
NTIS No: PB 97-780-076/A01

97-110 Preventing Worker Injuries and Deaths From Moving Refuse Collection Vehicles, May 1997
NTIS No: PB 97-189-567/A03

97-116 Preventing Asthma in Animal Handlers, January 1998

97-135 Preventing Allergic Reactions to Natural Rubber Latex in the Workplace, August 1997
NTIS No: PB 97-197-065/A03

B. CRITERIA DOCUMENTS/ OCCUPATIONAL HAZARD ASSESSMENTS/ SPECIAL HAZARD REVIEWS/JOINT OCCUPATIONAL HEALTH RECOMMENDATIONS

The following is an alphabetical list of chemicals/ processes/hazards (including year of publication) for which NIOSH has issued CDs, OHAs, SHRs, or JOHRs. Unless otherwise noted, the documents are CDS.

+	=	No NIOSH Publication Number
(JOHR)	=	Joint Occupational Health Recommendation
(OHA)	=	Occupational Hazard Assessment
(SHR)	=	Special Hazard Review

76-195 Acetylene (1976)
PB 267068/A05

77-112 Acrylamide (1976)
PB 273871/A07

91-115 Acrylamide (JOHR) (1991)
PB 92-133-222/A04

78-116 Acrylonitrile (1978)
PB 81-225617/A02

78-201 Aldrin/Dieldrin (SHR) (1978)
PB 297769/A08

77-151 Alkanes (C5-C8) (1977)
PB 273817/A07

76-201 Allyl Chloride (1976)
PB 267071/A05

74-136 Ammonia (1974)
PB 246699/A06

78-216 Antimony (1978)
PB 81-226060/A07

74-110 Arsenic, Inorganic (1974)
PB 228151/A06

75-149 Arsenic, Inorganic (Revised) (1975)
PB 246701/A07

72-10267 Asbestos (1972)
PB 209510/A07

77-169 Asbestos (Revised) (1976)
PB 273965/A05

78-106 Asphalt Fumes (1977)
PB 277333/A08

74-137 Benzene (1974)
PB 246700/A07

+

Benzene (Revised) (1976)
PB 83-196196/A02

80-109 Benzidine-Based Dyes (SHR) (1980)
PB 81-225633/A04

77-166 Benzoyl Peroxide (1977)
PB 273819/A10

78-182 Benzyl Chloride (1978)
PB 81-226698/A05

72-10268	Beryllium (1972) PB 210806/A06	83-109	Di-2-Ethylhexyl Phthalate (SHR) (1983) PB 83-250613/A03
+	Beryllium (Revised) (1977) PB 83-182378/A03	90-110	Di(2-ethylhexyl)phthalate (JOHR) (1989) PB 91-140871/A04
77-122	Boron Trifluoride (1976) PB 274747/A05	78-115	Dibromochloropropane (1978) PB 81-228728/A02
76-192	Cadmium (1976) PB 274237/A05	96-104	2-Diethylaminoethanol (1996) PB 96-197-371/A3
77-107	Carbaryl (1976) PB 273801/A10	78-215	Diisocyanates (1978) PB 81-226615/A07
78-204	Carbon Black (1978) PB 81-225625/A06	78-131	Dinitro-ortho-Cresol (1978) PB 80-175870/A07
76-194	Carbon Dioxide (1976) PB 266597/A09	77-226	Dioxane (1977) PB 274810/A08
77-156	Carbon Disulfide (1977) PB 274199/A09	76-128	Elevated Work Stations, Emergency Egress from (1975) PB 248594/A04
73-11000	Carbon Monoxide (1972) PB 212629/A06	76-206	Epichlorohydrin (1976) PB 81-227019/A08
76-133	Carbon Tetrachloride (1975) PB 250424/A08	95-100	2-Ethyl-2-Hydroxymethyl-1,3- Propanediol (1994) PB 95-219-598/A3
+	Carbon Tetrachloride (Revised) (1979) PB 83-196436/A01	93-103	Ethyl Ether (1993) PB 93-189-140/A04
93-102	Chlorobenzene (1993) PB 93-188-274/A06	77-221	Ethylene Dibromide (1977) PB 276621/A03
76-129	Chromium VI (1975) PB 248595/A06	76-139	Ethylene Dichloride (1976) PB 85-178275/A08
78-163	Chrysene (SHR) (1978) PB 81-225641/A04	78-211	Ethylene Dichloride (1,2- Dichloroethane) (Revised) (1978) PB 80-176092/A08
78-191	Coal Gasification Plants (1978) PB 80-164874/A10	90-118	Ethylene Glycol Monobutyl Ether and Ethylene Glycol Monobutyl Ether Acetates (1991) PB 91-173369/A09
81-131	Coal Liquefaction: Vol. I Summary (OHA) (1981) PB 81-242877/A02	91-119	Ethylene Glycol Monomethyl Ether, Ethylene Glycol Monoethyl Ether and Their Acetates (1991) PB 92-167-147/A15
81-132	Coal Liquefaction: Vol. II (OHA) (1981) PB 81-242885/A08	77-200	Ethylene Oxide (SHR) (1978) PB 274795/A04
95-106	Coal Mine Dust, Respirable (1995) PB 96-191-713/A17	79-109	Ethylene Thiourea (SHR) (1978) PB 82-111840/A05
78-107	Coal Tar Products (1977) PB 276917/A09	83-103	Excavations, Development of Draft Construction Safety Standards for, Volume 1 (1983) PB 84-100569/A06
82-107	Cobalt (1981) PB 82-182031/A06	+	Excavations, Development of Draft Construction Safety Standards for, Volume 2 (1983) PB 83-233353/A15
73-11016	Coke Oven Emissions (1973) PB 216167/A04	77-152	Fibrous Glass (1977) PB 274195/A10
80-106	Confined Spaces, Working in (1979) PB 80-183015/A05	76-103	Fluorides, Inorganic (1975) PB 246692/A10
75-118	Cotton Dust (1974) PB 246696/A08	77-193	Fluorocarbon Polymers, Decomposition Products of (1977) PB 274727/A06
78-133	Cresol (1978) PB 86-121092/A07		
77-108	Cyanide, Hydrogen and Cyanide Salts (1976) PB 266230/A10		
78-200	DDT (SHR) (1978) PB 81-226656/A10		

77-126	Formaldehyde (1976) PB 273805/A09	76-138	Methylene Chloride (1976) PB 81-227027/A09
85-116	Foundries (1985) PB 86-213477/A10	77-184	Nickel Carbonyl (SHR) (1977) PB 273795/A03
79-133	Furfuryl Alcohol (1979) PB 80-176050/A04	77-164	Nickel, Inorganic (1977) PB 274201/A13
78-166	Glycidyl Ethers (1978) PB 81-229700/A10	76-141	Nitric Acid (1976) PB 81-227217/A05
89-126	Grain Dust, Health Hazards of Storing, Handling, and Shipping of Grain (1989) PB 90-160102/A04	78-212	Nitriles (1978) PB 81-225534/A08
83-126	Grain Elevators and Feed Mills (1983) PB 83-138537/A04	76-149	Nitrogen, Oxides of (1976) PB 81-226995/A10
89-106	Hand-Arm Vibration (1989) PB 90-168048/A08	78-167	Nitroglycerin and Ethylene Glycol Dinitrate (1978) PB 81-225526/A10
83-125	Hazardous Energy, Guidelines for Controlling During Maintenance and Servicing (1983) PB 84-199934/A05	73-11001	Noise (1972) PB 213463/A08
72-10269	Hot Environments (1972) PB 210794/A06	83-127	Oil and Gas Well Drilling (1983) PB 84-242528/A08
86-113	Hot Environments (Revised) (1986) PB 86-219508/A08	77-115	Organotin Compounds (1976) PB 274766/A09
78-172	Hydrazines (1978) PB 81-225690/A13	84-115	Paint and Allied Coating Products (1984) PB 85-178978/A07
76-143	Hydrogen Fluoride (1976) PB 81-226516/A09	76-190	Parathion (1976) PB 274192/A06
77-158	Hydrogen Sulfide (1977) PB 274196/A03	78-174	Pesticides, Manufacture and Formulation PB 81-227001/A19
78-155	Hydroquinone (1978) PB 81-226508/A07	76-196	Phenol (1976) PB 266495/A09
75-126	Identification System for Occupationally Hazardous Materials (1974)	76-137	Phosgene (1976) PB 267514/A07
76-142	Isopropyl Alcohol (1976) PB 273873/A07	77-225	Polychlorinated Biphenyls (1977) PB 276849/A07
+	Kepone (1976) PB 83-196170/A02	84-103	Precast Concrete Products Industry (1984) PB 85-220051/A08
78-173	Ketones (1978) PB 80-176076/A12	91-103	Propylene Glycol Ethers and Their Acetates (JOHR) (1990) PB 91-220749/A04
73-11010	Lead, Inorganic (1972) PB 214265/A08	88-101	Radon Progeny in Underground Mines (1988) PB 88-173455/A10
78-158	Lead, Inorganic (Revised) (1978) PB 81-225278/A10	77-192	Refined Petroleum Solvents (1977) PB 85-178267/A12
76-188	Logging from Felling to First Haul (1976) PB 266411/A06	81-133	Rendering Processes, Animal (OHA) (1981) PB 82-232307/A04
76-205	Malathion (1976) PB 267070/A09	75-120	Silica, Crystalline (1974) PB 246697/A07
73-11024	Mercury, Inorganic (1973) PB 222223/A07	76-105	Sodium Hydroxide (1975) PB 246694/A06
76-148	Methyl Alcohol (1976) PB 273806/A07	83-119	Styrene (1983) PB 84-148295/A13
77-106	Methyl Parathion (1976) PB 274191/A09	74-111	Sulfur Dioxide (1974) PB 228152/A06
78-188	4,4'-Methylene bis (2-chloroaniline) (SHR) (1978) PB 297822/A04	74-128	Sulfuric Acid (1974) PB 233098/A05

- 77-121 1,1,2,2-Tetrachloroethane (1976)
PB 273802/A08
- 76-185 Tetrachloroethylene (Perchloroethylene)
(1976)
PB 266583/A08
- 78-213 Thiols: N-Alkane Mono, Cyclohexane,
and Benzene (1978)
PB 81-225609/A08
- 78-179 o-Tolidine (1978)
PB 81-227084/A06
- 73-11023 Toluene (1973)
PB 222219/A06
- 73-11022 Toluene Diisocyanate (1973) [Revised;
See: Diisocyanates]
PB 222220/A06
- 76-184 1,1,1-Trichloroethane
(Methyl Chloroform)
PB 267069/A09
- 73-1102 Trichloroethylene (1973)
PB 222222/A06
- 78-130 Trichloroethylene (SHR) (1978)
PB 81-226987/A05
- 77-227 Tungsten and Cemented Tungsten
Carbide (1977)
PB 275594/A09
- 73-11009 Ultraviolet Radiation (1972)
PB 214268/A06
- 77-222 Vanadium (1977)
PB 81-225658/A08
- 78-205 Vinyl Acetate (1978)
PB 80-176993/A05
- + Vinyl Chloride (1974)
PB 246691/A02
- + Vinyl Halides (1979)
PB 84-125699/A14
- 77-140 Waste Anesthetic Gases and Vapors
(1977)
PB 274238/A14
- 88-110 Welding, Brazing, and Thermal Cutting
PB 88-231774/A10
- 75-168 Xylene (1975)
PB 246702/A06
- 76-104 Zinc Oxide (1975)
PB 246693/A05

C. CURRENT INTELLIGENCE BULLETINS

Current Intelligence Bulletin Reprints - Bulletins 1 thru 18

(1978) DHEW (NIOSH) Publication No. 78-127
Available from NIOSH at no charge.
PB 86-105080/A07

Current Intelligence Bulletin Reprints - Bulletins 19 thru 30

(1979) DHEW (NIOSH) Publication No. 79-146
Available from NIOSH at no charge.
PB 80-176399/A09

Current Intelligence Bulletin Reprints - Bulletins 31 thru 47

(1986) DHHS (NIOSH) Publication No. 86-122
Available from NIOSH at no charge.
PB 87-173209/A14

The following is a list of Current Intelligence Bulletins.
CIBs 1-18 are only available in the compilation listed
above.

<u>No</u>	<u>Title</u>	<u>Date</u>
1	Chloroprene	January 20, 1975
2	Trichloroethylene (TCE)	June 6, 1975
3	Ethylene Dibromide (EDB)	July 7, 1975
4	Chrome Pigment	June 24, 1975 October 7, 1975 October 8, 1976
5	Asbestos (Asbestos Exposure During Brake Drum and Clutch Assemblies)	August 8, 1975
6	Hexamethylphosphoric Triamide (HMPF)	October 24, 1975
7	Polychlorinated Biphenyls (PCBs)	November 3, 1975
8	4,4-Diaminodiphenylmethane (DDM)	January 30, 1976
9	Chloroform	March 15, 1976
10	Radon Daughters	May 11, 1976
11	Dimethylcarbamoyl Chloride (DMCC) - Revised	July 7, 1976
12	Diethylcarbamoyl Chloride (DECC)	July 7, 1976
13	Explosive Azide Hazards	August 16, 1976
14	Inorganic Arsenic - Respiratory Protection	September 27, 1976
15	Nitrosamines in Cutting Fluids	October 6, 1976
16	Metabolic Precursors of a Known Human Carcinogen, beta- Naphthylamine	December 17, 1976
17	2-Nitropropane	April 25, 1977
18	Acrylonitrile	July 1, 1977

78-111 CIB-19 - 2,4-Diaminoanisole (4-Methoxy-m-
Phenylenediamine) in Hair and Fur Dyes (January 1978)
PB 80-277266/A01

78-112 CIB-20 - Tetrachloroethylene (Perchloroethylene)
(January 1978)
PB 278055/A03

- 78-121** CIB-21 - Trimellitic Anhydride (TMA) (February 1978)
PB 87-149274/A02
- 78-144** CIB-22 - Ethylene Thiourea (April 1978)
PB 85-119238/A02
- 78-145** CIB-23 - Ethylene Dibromide and Disulfiram Toxic Interaction (April 1978)
PB 85-119246/A02
- 78-148** CIB-24 - Direct Blue 6, Direct Black 38, Direct Brown 95, Benzidine Derived Dyes (April 1978)
PB 85-119220/A03
- 78-149** CIB-25 - Ethylene Dichloride (1,2-Dichloroethane) (April 1978)
PB 85-119212/A03
- 78-157** CIB-26 - NIAx® Catalyst ESN . . . a Mixture of Dimethylaminopropionitrile and Bis[2-(dimethylamino)ethyl] Ether (May 1978)
PB 85-119204/A03
- 78-181** CIB-27 - Chloroethanes: Review of Toxicity (August 1978)
PB 85-119196/A04
- 79-102** CIB-28 - Vinyl Halides Carcinogenicity: Vinyl Bromide, Vinyl Chloride, Vinylidene Chloride (September 1978)
PB 85-119162/A04
- 79-104** CIB-29 - Glycidyl Ethers (October 1978)
PB 85-119154/A04
- 79-105** CIB-30 - Epichlorohydrin (October 1978)
PB 85-119147/A04
- 79-122** CIB-31 - Adverse Health Effects of Smoking and the Occupational Environment (February 1979)
PB 83-245845/A04
- 79-142** CIB-32 - Arsenic (Arsenic Hydride) Poisoning in the Workplace (August 1979)
PB 85-119139/A04
- 80-107** CIB-33 - Radiofrequency (RF) Sealers and Heaters: Potential Health Hazards and Their Prevention (December 1979)
PB 80-176332/A04
- 81-111** CIB-34 - Formaldehyde: Evidence of Carcinogenicity (April 1981)
PB 83-101766/A04
- 81-130** CIB-35 - Ethylene Oxide (EtO) (May 1981)
PB 85-119121/A04
- 81-137** CIB-36 - Silica Flour: Silicosis (Crystalline Silica) (June 1981)
PB 83-101758/A04
- 82-105** CIB-37 - Ethylene Dibromide (EDB) (Revised) (October 1981)
PB 83-101774/A04
- 83-110** CIB-38 - Vibration Syndrome (March 1983)
PB 83-238493/A04
- 83-112** CIB-39 - Glycol Ethers 2-Methoxyethanol and 2-Ethoxyethanol (May 1983)
PB 84-155142/A04
- 84-104** CIB-40 - 2,3,7,8-Tetrachlorodibenzo-p-Dioxin (TCDD, "dioxin") (January 1984)
PB 84-198001/A04
- 84-105** CIB-41 - 1,3-Butadiene (February 1984)
PB 84-198019/A04
- 84-116** CIB-42 - Cadmium (September 1984)
PB 85-178721/A04
- 84-117** CIB-43 - Monohalomethanes, Methyl Chloride, Methyl Bromide, Methyl Iodide (September 1984)
PB 85-178549/A04
- 85-109** CIB-44 - Dinitrotoluenes (DNT) (July 1985)
PB 86-105913/A04
- 86-111** CIB-45 - Polychlorinated Biphenyls (PCBs) Potential Health Hazards from Electrical Equipment Fires or Failures (February 1986)
PB 86-208295/A04
- 86-114** CIB-46 - Methylene Chloride (April 1986)
PB 86-208303/A04
- 86-115** CIB-47 - 4,4'-Methylenedianiline (MDA) (Revised) (July 1986)
PB 87-104527/A04
- 87-104** CIB-48 - Organic Solvent Neurotoxicity (March 1987)
PB 87-194593/A04
- 87-107** CIB-49 - Injuries and Amputations Resulting from Work with Mechanical Power Presses (May 1987)
PB 87-202792/A04
- 88-116** CIB-50 - Carcinogenic Effects of Exposure to Diesel Exhaust (August 1988)
PB 88-252994/A04
- 89-111** CIB-51 - Carcinogenic Effects of Exposure to Propylene Oxide (July 1989)
PB 90-142589/A04
- 89-115** CIB-52 - Ethylene Oxide Sterilizers in Health Care Facilities - Engineering Controls and Work Practices (July 1989)
PB 90-142571/A04
- 90-101** CIB-53 - Toluene Diisocyanate (TDI) and Toluenediamine (TDA) - Evidence of Carcinogenicity (December 1989)
PB 90-192915/A04
- 91-108** CIB-54 - Environmental Tobacco Smoke in the Workplace - Lung Cancer and Other Health Effects (June 1991)
PB 91-235374/A04
GPO No: s/n 017-033-00455-2
- 91-112** CIB-55 - Carcinogenicity of Acetaldehyde and Malonaldehyde, and Mutagenicity of Related Low-Molecular-Weight Aldehydes (September 1991)
PB 92-131697/A05
- 95-113** CIB-56 - Washed Cotton: A Review and Recommendations Regarding Batch Kier Washed Cotton (August 1995)
PB 96-121-504/A03
- 96-100** CIB-57 - Violence in the Workplace-Risk Factors and Prevention Strategies (June 1996)
PB 96-197-587/A3 **017-033-00480-3
- 97-163** CIB-58 - Commercial Fishing Fatalities in Alaska-Risk Factors and Prevention Strategies (September 1997)
NTIS No: PB 98-125-537/A04

D. HAZARD CONTROLS (HC) AND HAZARD ID (HID)

- 96-105** HC 1 - Control of Dusts from Sanding in Autobody Repair Shops, January 1996, 2pp
- 96-106** HC 2 - Control of Paint Overspray in Autobody Repair Shops, January 1996, 2pp
- 96-107** HC 3 - Control of Nitrous Oxide in Dental Operatories, January 1996, 4pp
- 96-121** HC 4 - Control of Wood Dust from Horizontal Belt Sanders, September 1996, 2pp
- 96-122** HC 5 - Control of Wood Dust from Shapers, September 1996, 2pp
- 96-123** HC 6 - Control of Wood Dust from Automated Routers, September 1996, 2pp
- 96-124** HC 7 - Control of Wood Dust from Large Diameter Disc Sanders, September 1996, 2pp
- 96-125** HC 8 - Control of Wood Dust from Random Orbital Hand Sanders, September 1996, 2pp
- 96-126** HC 9 - Control of Wood Dust from Orbital Hand Sanders, September 1996, 2pp
- 96-127** HC10 - Control of Wood Dust from Table Saws, September 1996, 2pp
- 96-128** HC11 - Control of Smoke from Laser/Electric Surgical Procedures, September 1996, 2pp
- 97-103** HC12 - Control of Organic Dust from Bedding Choppers in Dairy Barns, April 1997, 2pp
- 97-107** HC13 - Control of Dust from Powder Dye Handling Operations, April 1997, 2pp
- 97-113** HC14 - Control of Scrap Paper Baler Crushing Hazards, April 1997, 4pp
- 97-137** HC15 - Control of Ergonomic Hazards from Squeegee Handles in the Screen-Printing Industry, June 1997, 2pp
- 97-147** HID1 - Exposure to Silica Dust on Continuous Mining Operations Using Flooded-Bed Scrubbers, August 1997, 2pp
- 97-154** HC16 - Control of Exposure to Perchloroethylene in Commercial Drycleaning, October 1997, 3pp
- 97-155** HC17 - Control of Exposure to Perchloroethylene in Commercial Drycleaning (Substitution), October 1997, 4pp
- 97-156** HC18 - Control of Exposure to Perchloroethylene in Commercial Drycleaning (Machine Design), October 1997, 4pp
- 97-157** HC19 - Control of Exposure to Perchloroethylene in Commercial Drycleaning (Ventilation), October 1997, 4pp
- 97-158** HC20 - Control of Spotting Chemical Hazards in Commercial Drycleaning, October 1997, 3pp
- 97-159** HC21 - Control of Fire Hazards in Commercial Drycleaning Shops Using Petroleum-Based Solvents, October 1997, 4pp
- 97-160** HC22 - Control of Ergonomic Hazards in Commercial Drycleaning, October 1997, 4pp

E. FY 1986 - FY 1997 NIOSH NUMBERED PUBLICATIONS

- 86-100** Publication Number Not Used
- 86-101** NIOSH Certified Equipment List as of October 1, 1985 (Superseded by 87-102), October 1985, 371pp NTIS No: PB 87-104-725/A17
- 86-102** Occupational Respiratory Diseases, September 1986, 825pp
NTIS No: PB 87-205-662/A99
- 86-103** RTECS 1983-1984 Cumulative Supplement to the 1981-1982 Edition (Superseded by 87-114), 2110pp NTIS No: PB 87-145-033/A99
- 86-104** Microbial Flora and Fauna of Respirable Grain Dust from Grain Elevators, April 1986, 101pp
NTIS No: PB 87-163-523/A07
- 86-105** Surveillance Report, Industry and Disabling Conditions of Disabled Workers 1975-1976. Analysis of Social Security Disability Benefit Allowances to Workers During 1975-1976, April 1986, 155pp
NTIS No: PB 86-222-957/A09
- 86-106** Occupational Characteristics of Disabled Workers 1975-1976. Analysis of Social Security Disability Benefit Allowances to Workers During 1975-1976, 209pp
NTIS No: PB 86-221-413/A11
- 86-107** Surveillance Cooperative Agreement Between NIOSH And States (SCANS) Program, Rhode Island 1980-1982, February 1986, 51pp
NTIS No: PB 86-236-163/A05
- 86-108** NIOSH Research and Demonstration Grants Awarded in Fiscal Year 1984, December 1985, 210pp
NTIS No: PB 86-211-364/A11
- 86-109** NIOSH Program Plans by Program Areas for Fiscal Year 1986, February 1986, 192pp
NTIS No: PB 86-242-625/A10
- 86-110** Alert: Request for Assistance in Preventing Occupational Fatalities in Confined Spaces, January 1986, 9pp
NTIS No: PB 86-205-754/A02
- 86-111** Current Intelligence Bulletin 45-Polychlorinated Biphenyls (PCB's): Potential Health Hazards from Electrical Equipment Fires or Failures, February 24, 1986, 26pp
NTIS No: PB 86-208-295/A03
- 86-112** Working in Hot Environments, (Revised) April 1986, 15pp
NTIS No: PB 86-221-686/A03
- 86-113** Criteria For a Recommended Standard: Occupational Exposure to Hot Environments, (Revised) April 1986, 155pp
NTIS No: PB 86-219-508/A09
- 86-114** Current Intelligence Bulletin 46-Methylene Chloride, April 18, 1986, 18pp
NTIS No: 86-208-303/A03
- 86-115** Current Intelligence Bulletin 47-4,4'-Methylenedianiline (MDA) (Revised), July 25, 1986, 26pp
NTIS No: 87-104-527/A03
- 86-116** Publication Number Not Used
- 86-117** Study of the Prevalence of Chronic, Non-Specific Lung Disease and Related Health Problems in the Grain Handling Industry, October 1986, 360pp
NTIS No: PB 87-164-273/A17

86-118 Alert: Request for Assistance in Preventing Fatalities Due to Fires and Explosions in Oxygen-Limiting Silos, July 1986, 7pp
NTIS No: PB 87-111-399/A02

86-119 Alert: Request for Assistance in Preventing Grain Auger Electrocutions, July 1986, 6pp
NTIS No: PB 87-105-599/A02

86-120 Regulations, Recommendations and Assessments Extracted from RTECS: A Subfile of RTECS, September 1986, 436pp
NTIS No: PB 87-112-066/A19

86-121 NIOSH Schedule of Courses 1986-1987, 9pp
Out of Print

86-122 Current Intelligence Bulletin, Reprints - Bulletins 31 thru 47 (1979-1986), September 1986, 325pp
NTIS No: PB 87-173-209/A15

86-123 NIOSH Grants - Research and Demonstration Projects - Annual Report, FY-1985, September 1986, 306pp
NTIS No: PB 87-133-674/A15

86-124 Current Intelligence Bulletin: Summaries (CIB 1 thru CIB 47, 1975-1986) - July 24, 1986, 28pp
NTIS No: PB 87-163-101/A03

87-100 Alert: Request for Assistance in Preventing Electrocutions Due to Damaged Receptacles and Connectors, October 1986, 9pp
NTIS No: PB 87-174-249/A02

87-101 The Development and Application of Algorithms for Generating Estimates of Toxicity for the NOHS Data Base, July 1986, 110pp
NTIS No: PB 87-205-639/A07

87-102 NIOSH Certified Equipment List as of October 1, 1986 (Superseded by 88-107), October 1986, 425pp
NTIS No: PB 87-184-214/A19

87-103 Alert: Request for Assistance in Preventing Fatalities of Workers Who Contact Electrical Energy, December 1986, 8pp
NTIS No: PB 87-189-023/A02

87-104 Current Intelligence Bulletin 48-Organic Solvent Neurotoxicity, March 31, 1987, 44pp
NTIS No: PB 87-194-593/A04

87-105 Control of Unconfined Vapor Clouds by Fire Department Water Spray Handlines, October 1987, 66pp
NTIS No: PB 88-188-644/A05

87-106 NIOSH Projects for Fiscal Year 1987, May 1987, 210pp
NTIS No: PB 88-103-759/A11

87-107 Current Intelligence Bulletin 49-Injuries and Amputations Resulting from Work with Mechanical Power Presses, May 22, 1987, 23pp
NTIS No: PB 87-202-792/A03

87-108 NIOSH Respirator Decision Logic, May 1987, 63pp
NTIS No: PB 88-149-612/A05

87-109 NIOSH Grants - Research and Demonstration Projects-Annual Report, FY-1986, June 1987, 270pp
NTIS No: PB 88-105-903/A13

87-110 NIOSH Schedule of Courses July 1987 - December 1988, 18pp **Out of Print**

87-111 Stress Management in Work Settings, May 1987, 200pp
NTIS No: PB 88-128-376/A10

87-112 Teaching Epidemiology in Occupational Health - A Joint Publication by NIOSH and World Health Organization, May 1987, 370pp **Out of Print**

87-113 A Guide to Safety in Confined Spaces, July 1987, 24pp
NTIS No: PB 88-130-786/A03

87-114 RTECS 1985-1986 Edition, Six Volume Set Plus Users' Guide (Also Volume 3A) 5800pp
NTIS No: PB 88-233-754/A99

87-115 NIOSH Publications Catalog - 7th Edition, March 1987, 673pp
NTIS No: PB 88-175-013/A99

87-116 A NIOSH Technical Guide...NIOSH Guide to Industrial Respiratory Protection, September, 1987, 300pp
NTIS No: PB 88-188-347/A14

87-117 NIOSH Manual of Analytical Methods, 3rd Edition, 2nd Supplement, August 15, 1987 (See 84-100, 85-117, 89-127, and 90-121), 275pp
NTIS No: PB 88-204-722/A13

87-118 Current Intelligence Bulletins: Summaries (CIB 1 thru 49; 1975-1987), September 1987, 27pp
NTIS No: PB 88-188-669/A03

87-119 Alert Reprints - October 1980-December 1986, September 1987, 137pp
NTIS No: PB 88-189-428/A08

88-100 Alert: Request for Assistance in Reducing the Potential Risk of Developing Cancer from Exposure to Gallium Arsenide in the Microelectronics Industry, October 1987, 11pp
NTIS No: PB 88-188-826/A03

88-101 Criteria for a Recommended Standard: Occupational Exposure to Radon Progeny in Underground Mines, October 1987, 225pp
NTIS No: PB 88-173-455/A11

88-102 Alert: Request for Assistance in Preventing Entrapment and Suffocation Caused by the Unstable Surfaces of Stored Grain and Other Materials, December 1987, 11pp
NTIS No: PB 88-188-735/A03

88-103 Alert: Request for Assistance in Preventing Vision Disturbances and Acute Physical Distress Due to Dimethylethylamine (DMEA) Exposure, December 1987, 11pp
NTIS No: PB 88-188-651/A03

88-104 Alert: Request for Assistance in Preventing Electrocutions by Undetected Feedback Electrical Energy Present in Power Lines, December 1987, 11pp
NTIS No: PB 88-188-743/A03

88-105 Publication Number Not Used

88-106 National Occupational Exposure Survey (NOES) Volume 1, Survey Manual, March 1988, 242pp
NTIS No: PB 89-109-193/A12

88-107 NIOSH Certified Equipment List as of October 1, 1987 (Superseded by 89-105), October 1987, 425pp
NTIS No: PB 88-236-609/A19

88-108 Safe Maintenance Guide For Robotic Workstations, March 1988, 58pp
NTIS No: 88-221-700/A05

88-109 Publication Number Not Used

88-110 Criteria for a Recommended Standard: Welding, Brazing, and Thermal Cutting, April 1988, 251pp
NTIS No: PB 88-231-774/A13

88-110a Criteria for a Recommended Standard: Welding, Brazing, and Thermal Cutting (Abridged Edition), August 1988, 68pp
NTIS No: PB 89-123-442/A05

88-111 Publication Number Not Used

88-112 Publication Number Not Used

88-113 NIOSH Projects for Fiscal Year 1988, May 1988, 242pp
NTIS No: PB 89-120-703/A12

88-114 Control Technology Assessment of Enzyme Fermentation Processes, February 1988, 85pp
NTIS No: PB 89-120-984/A06

88-115 NIOSH Grants - Research and Demonstration Projects-Annual Report for Fiscal Year 1987, May 1988, 229pp
NTIS No: PB 89-152-979/A12

88-116 Current Intelligence Bulletin 50-Carcinogenic Effects of Exposure to Diesel Exhaust, August 1988, 40pp
NTIS No: PB 88-252-994/A04

88-117 Publication Number Not Used

88-118 Occupational Safety and Health Guidelines for Chemical Hazards - Supplement I-OHG, 1988 (See 81-123, 89-104, 92-110, and 95-121), 214pp
NTIS No: PB 89-203-129/A11

88-119 Guidelines for Protecting the Safety and Health of Health Care Workers, September 1988, 550pp
NTIS No: PB 89-148-621/A24

88-120 Current Intelligence Bulletins: Summaries (CIB I thru 50; 1975-1988), September 1988, 28pp
NTIS No: PB 89-138-697/A03

89-100 Publication Number Not Used

89-101 Publication Number Not Used

89-102 National Occupational Exposure Survey (NOES) Volume II, Sampling Methodology, February 1990, 86pp
NTIS No: PB 90-193-632/A06

89-103 National Occupational Exposure Survey (NOES) Volume III, Analysis of Management Interview Responses, March 1988, 834pp
NTIS No: PB 90-193-640/A99

89-104 Occupational Safety and Health Guidelines for Chemical Hazards - Supplement II-OHG, 1988 (See 81-123, 88-118, 92-110 and 95-121), 184pp
NTIS No: PB 89-203-137/A10

89-105 NIOSH Certified Equipment List as of December 1988 (Superseded by 90-102), January 1989, 495pp
NTIS No: PB 89-201-024/A22

89-106 Criteria for a Recommended Standard: Occupational Exposure to Hand-Arm Vibration, September 1989, 154pp
NTIS No: PB 90-168-048/A09

89-107 Guidelines for Prevention of Transmission of Human Immunodeficiency Virus and Hepatitis B Virus to Health-Care and Public-Safety Workers, A Response to P.L. 100-607 - The Health Omnibus Programs Extension Act of 1988, February 1989, 52pp
NTIS No: PB 89-214-670/A05

89-108 A Curriculum Guide for Public-Safety and Emergency-Response Workers, Prevention of Transmission of Human Immunodeficiency Virus and Hepatitis B Virus, February 1989, 172pp
NTIS No: PB 89-227-854/A09

89-109 Alert: Request for Assistance in Preventing Death from Excessive Exposure to Chlorofluorocarbon 113 (CFC-113), May 1989, 14pp
NTIS No: PB 90-103-391/A03

89-110 Alert: Request for Assistance in Preventing Electrocutions of Workers Using Portable Metal Ladders Near Overhead Power Lines, July 1989, 8pp
NTIS No: PB 90-129-255/A02

89-111 Current Intelligence Bulletin 51-Carcinogenic Effects of Exposure to Propylene Oxide, July 13, 1989, 20pp
NTIS No: PB 90-142-589/A03

89-112 NIOSH Projects for Fiscal Year 1989, May 1989, 145pp NTIS No: PB 90-168-584/A08

89-113 Publication Number Not Used

89-114 Publication Number Not Used

89-115 Current Intelligence Bulletin 52-Ethylene Oxide Sterilizers in Health Care Facilities - Engineering Controls and Work Practices, July 13, 1989, 23pp
NTIS No: PB 90-142-571/A3

89-116 National Traumatic Occupational Fatalities: 1980-1985, September 1989, 35pp
NTIS No: PB 90-127-838/A04

89-117 NIOSH Grants - Research and Demonstration Projects-Annual Report, FY-1988, May 1989, 221pp
NTIS No: PB 90-125-394/A11

89-118 Publication Number Not Used

89-119 Federal Research on Chemical Protective Clothing and Equipment, September 1989, 85pp
NTIS No: PB 90-171-638/A06

89-120 Control Technology for Ethylene Oxide Sterilization in Hospitals, September 1989, 180pp
NTIS No: PB 90-164-807/A10

89-121 Control of Asbestos Exposure During Brake Drum Service, August 1989, 79pp
NTIS No: PB 90-168-501/A06

89-122 Publication Number Not Used

89-123 Publication Number Not Used

89-124 Publication Number Not Used

89-125 Publication Number Not Used

89-126 NIOH and NIOSH Basis for an Occupational Health Standard: Grain Dust - Health Hazards of Storing, Handling, and Shipping Grain, June 1988, 63pp
NTIS No: PB 90-160-102 /A05

89-127 NIOSH Manual of Analytical Methods - 3rd Edition, 3rd Supplement, May 15, 1989 (See 84-100, 85-117, 87-117, and 90-121), 225pp
NTIS No: PB 90-162-470/A11

89-128 NIOSH Proposed National Strategies for the Prevention of Leading Work-Related Diseases and Injuries - Occupational Lung Disease, 1986, 20pp
NTIS No: PB 90-171-265/A03

89-129 NIOSH Proposed National Strategies for the Prevention of Leading Work-Related Diseases and Injuries - Musculoskeletal Injuries, 1986, 22pp
NTIS No: PB 90-170-903/A03

89-130 NIOSH Proposed National Strategies for the Prevention of Leading Work-Related Diseases and Injuries - Occupational Cancers, 1986, 20pp
NTIS No: PB 90-167-479/A03

- 89-131** NIOSH Proposed National Strategies for the Prevention of Leading Work-Related Diseases and Injuries - Severe Occupational Traumatic Injuries, 1986, 25pp
NTIS No: PB 90-168-790/A03
- 89-132** NIOSH Proposed National Strategies for the Prevention of Leading Work-Related Diseases and Injuries - Occupational Cardiovascular Diseases, 1986, 12pp
NTIS No: PB 90-171-208/A03
- 89-133** NIOSH Proposed National Strategies for the Prevention of Leading Work-Related Diseases and Injuries - Disorders of Reproduction, 1988, 34pp
NTIS No: PB 90-167-487/A04
- 89-134** NIOSH Proposed National Strategies for the Prevention of Leading Work-Related Diseases and Injuries - Neurotoxic Disorders, 1988, 24pp
NTIS No: PB 90-168-766/A03
- 89-135** NIOSH Proposed National Strategies for the Prevention of Leading Work-Related Diseases and Injuries - Noise Induced Hearing Loss, 1988, 18pp
NTIS No: PB 90-168-758/A03
- 89-136** NIOSH Proposed National Strategies for the Prevention of Leading Work-Related Diseases and Injuries - Dermatological Conditions, 1988, 34pp
NTIS No: PB 90-171-877/A04
- 89-137** NIOSH Proposed National Strategies for the Prevention of Leading Work-Related Diseases and Injuries - Psychological Disorders, 1988, 30pp
NTIS No: PB 90-171-885/A03
- 90-100** Alert: Request for Assistance in Preventing Worker Deaths and Injuries from Falls Through Skylights and Roof Openings, December 1989, 11pp
NTIS No: PB 90-195-157/A03
- 90-101** Current Intelligence Bulletin 53 - Toluene Diisocyanate (TDI) and Toluenediamine (TDA), Evidence of Carcinogenicity, December 1989, 28pp
NTIS No: PB 90-192-915/A03
- 90-102** NIOSH Certified Equipment List as of December 31, 1989 (Superseded by 91-105), January 1990, 500pp
NTIS No: PB 90-207-382/A22
- 90-103** Alert: Request for Assistance in Preventing Deaths of Farm Workers in Manure Pits, May 1990, 13pp
NTIS No: PB 90-242-033/A03
- 90-104** Alert: Request for Assistance in Preventing Knee Injuries and Disorders in Carpet Layers, May 1990, 10pp
NTIS No: PB 90-242-025/A02
- 90-105** Alert: Request for Assistance in Preventing Adverse Health Effects from Exposure to Dimethylformamide (DMF), September 1990, 12pp
NTIS No: PB 91-152-710/A03
- 90-106** NIOSH Projects for Fiscal Year 1990, May 1990, 158pp
NTIS No: PB 91-173-419/A09
- 90-107** Publication Number Not Used
- 90-108a** Proceedings of the VIIth International Pneumoconiosis Conference, Part I, Pittsburgh, PA, August 23-26, 1988, September 1990, 851pp (See Part II)
NTIS No: PB 91-188-821/A99
- 90-108b** Proceedings of the VIIth International Pneumoconiosis Conference, Part II, Pittsburgh, PA, August 23-26, 1988, November 1990, 764pp (See Part I)
NTIS No: PB 91-188-839/A99
- 90-109** A Guide for Evaluating the Performance of Chemical Protective Clothing (CPC), June 1990, 88pp
NTIS No: PB 91-140-889/A06
- 90-110** NIOH and NIOSH Basis for an Occupational Health Standard: Di(2-ethylhexyl)phthalate (DEHP), 1990, 54pp
NTIS No: PB 91-140-871/A05
- 90-111** NIOSH Grants - Research and Demonstration Projects; Annual Report, Fiscal Year 1989, June 1990, 179pp
NTIS No: PB 91-151-696/A10
- 90-112** Engine and Turret Lathe Safety Guide, September 1990, 30pp
NTIS No: PB 91-152-769/A03
- 90-113** Performing Motor and Sensory Neuronal Conduction Studies in Adult Humans, September 1990, 72pp
NTIS No: PB 91-152-736/A05
- 90-114** Publication Number Not Used
- 90-115** A Guide for the Management, Analysis, and Interpretation of Occupational Mortality Data, September 1990, 88pp
NTIS No: PB 91-152-728/A06
- 90-116** Alert: Request for Assistance in Preventing Bladder Cancer from Exposure to o-Toluidine and Aniline, December 1990, 15pp
NTIS No: PB 91-188-953/A03
- 90-117** NIOSH Pocket Guide to Chemical Hazards, June 1990 (Superseded by 94-116), 252pp
NTIS No: PB 91-151-183/A07
- 90-118** Criteria for a Recommended Standard: Occupational Exposure to Ethylene Glycol Monobutyl Ether and Ethylene Glycol Monobutyl Ether Acetate, September 1990, 172pp
NTIS No: PB 91-173-369/A09
- 90-119** An Evaluation for Glove Bag Containment in Asbestos Removal, October 1990, 131pp
NTIS No: PB 91-188-995/A08
- 90-120** A Practical Guide to Effective Hearing Conservation Programs in the Workplace, September 1990, 66pp
NTIS No: PB 91-152-744/A05
- 90-121** NIOSH Manual of Analytical Methods, 3rd Edition - 4th Supplement (See 84-100, 85-117, 87-117, and 89-127), August 15, 1990, 483pp
NTIS No: PB 91-152-660/A22
- 91-100** Selected Topics in Surface Electromyography for Use in the Occupational Setting: Expert Perspectives, March 1992, 190pp
NTIS No: PB 92-179-951/A10
- 91-101** Publication Number Not Used
- 91-102** Laboratory Reports and Rating Criteria for the Proficiency Analytical Testing (PAT) Program, June 1990, 31pp
NTIS No: PB 91-227-553/A04
- 91-103** NEG and NIOSH Basis for an Occupational Health Standard: Propylene Glycol Ethers and Their Acetates, 54pp
NTIS No: PB 91-220-749/A05
- 91-104** Publication Number Not Used
- 91-105** NIOSH Certified Equipment List as of December 31, 1990, (Superseded by 92-101), January 1991, 504pp
NTIS No: PB 91-240-861/A23
- 91-106** NIOSH Grants - Research and Demonstration Projects-Annual Report, Fiscal Year 1990, April 1991, 191pp
NTIS No: PB 91-226-225/A10
- 91-107** Publication Number Not Used

91-108 Current Intelligence Bulletin 54-Environmental Tobacco Smoke in the Workplace, Lung Cancer and Other Health Effects, June 1991, 27pp
NTIS No: PB 91-235-374/A03

91-109 Publication Number Not Used

91-110 Alert: Request for Assistance in Preventing Electrocutions During Work with Scaffolds Near Overhead Power Lines, August 1991, 11pp
NTIS No: PB 92-121-532/A03

91-111 Proceedings of the Scientific Workshop on the Health Effects of Electric and Magnetic Fields on Workers, January 30-31, 1991, 242pp
NTIS No: PB 92-131-721/A12

91-112 Current Intelligence Bulletin #55-Carcinogenicity of Acetaldehyde and Malonaldehyde, and Mutagenicity of Related Low-Molecular-Weight Aldehydes, September 1991, 52pp
NTIS No: PB 92-131-697/A05

91-113 Work-Related Lung Disease Surveillance Report, October 1991, 84pp
NTIS No: PB 92-136-266/A06

91-113s Work-Related Lung Disease Surveillance Report - Supplement 1992, September 1992, 43pp
NTIS No: PB 93-145-969/A04

91-114 Building Air Quality, A Guide for Building Owners and Facility Managers, December 1991, 246pp
NTIS No: PB 92-145-374/A12
GPO No: 055-000-00390-4/\$25.00

91-115 NIOH and NIOSH Basis for an Occupational Health Standard: Acrylamide - A Review of the Literature, 1991, 46pp NTIS No: PB 92-133-222/A04

91-116a Alert: Request for Assistance in Preventing Lead Poisoning in Construction Workers, Revised Edition, April 1992, 25pp
NTIS No: PB 92-205-194/A03

91-117 NIOSH Projects for Fiscal Year 1991, August, 1991, 182pp
NTIS No: PB 92-166-370/A10

91-118 Publication Number Not Used

91-119 Criteria for a Recommended Standard: Occupational Exposure to Ethylene Glycol Monomethyl Ether, Ethylene Glycol Monoethyl Ether and Their Acetates, September 1991, 314pp
NTIS No: PB 92-167-147/A15

92-100 NIOSH Recommendations for Occupational Safety and Health: Compendium of Policy Documents and Statements, January 1992, 218pp
NTIS No: PB 92-162-536/A11

92-101 NIOSH Certified Equipment List as of December 31, 1991 (Superseded by 94-104), January 1992, 569pp
NTIS No: PB 93-109-924/A25

92-102 Alert: Request for Assistance in Preventing Silicosis and Deaths from Sandblasting, August 1992, 18pp
NTIS No: PB 93-136-190/A03

92-103 Homicide in U.S. Workplaces: A Strategy for Prevention Research, September 1992, 13pp
NTIS No: PB 93-138-281/A03

92-104 Analyzing Workplace Exposures Using Direct Reading Instruments and Video Exposure Monitoring Techniques, August 1992, 90pp
NTIS No: PB 93-137-057/A06

92-105 Papers and Proceedings of the Surgeon General's Conference on Agricultural Safety and Health, Public Law 101-517, April 30 - May 3, 1991, Des Moines, Iowa, September 1992, 682pp
NTIS No: PB 93-114-890/A99

92-106 Alert: Request for Assistance in Preventing Falls and Electrocutions During Tree Trimming, August 1992, 13pp
NTIS No: PB 93-136-141/A03

92-107 Alert: Request for Assistance in Preventing Silicosis and Deaths in Rock Drillers, August 1992, 17pp
NTIS No: PB 93-136-133/A03

92-108 Alert: Request for Assistance in Preventing Worker Injuries and Deaths Caused by Falls from Suspension Scaffolds, August 1992, 10pp
NTIS No: PB 93-145-720/A02

92-109 NIOSH Research and Demonstration Grants; Annual Report, Fiscal Year 1991, May 1992, 193pp
NTIS No: PB 93-144-160/A10

92-110 Occupational Safety and Health Guidelines for Chemical Hazards - Supplement III-OHG, 1992 (See 81-123, 88-118, 89-104 and 95-121), 326pp
NTIS No: PB 93-183-903/A16

93-100 NIOSH Projects for Fiscal Year 1992, October 1992, 160pp
NTIS No: PB 93-169-159/A09

93-101 A National Strategy for Occupational Musculoskeletal Injuries -- Implementation Issues and Research Needs, 1991 Conference Summary, November 1992, 27pp
NTIS No: PB 93-217-354/A03

93-102 NIOH and NIOSH Basis for an Occupational Health Standard: Chlorobenzene, January 1993, 85pp
NTIS No: PB 93-188-274/A06

93-103 NEG and NIOSH Basis for an Occupational Health Standard: Ethyl Ether, February 1993, 44pp
NTIS No: PB 93-189-140/A04

93-104 Publication Number Not Used

93-105 Alert: Request for Assistance in Preventing Injuries and Deaths from Metal-Reinforced Hydraulic Hoses, May 1993, 7pp
NTIS No: PB 93-236-149/A02

93-106 Special NIOSH Hazard Review: Rubber Products Manufacturing Industry, September 1993, 25pp
NTIS No: PB 94-140-159/A03

93-107 Publication Number Not Used

93-108 Fatal Injuries to Workers in the United States, 1980-1989: A Decade of Surveillance, National Profile, August 1993, 50pp (See 93-108s)
NTIS No: PB 94-140-191/A04

93-108s Fatal Injuries to Workers in the United States, 1980-1989: A Decade of Surveillance, National and State Profiles, August 1993, 350pp (See 93-108)
NTIS No: PB 94-195-807/A16

93-109 Alert: Request for Assistance in Preventing Homicide in the Workplace, September 1993, 10pp
NTIS No: PB 94-134-038/A02

93-110 Update: NIOSH Warns of Danger of Trench Cave-ins., May 20, 1993, 2pp

93-111 Update: College Students May Be Risking Their Lives on Fishing Vessels, May 14, 1993, 2pp (Superseded by 94-111)
NTIS No: PB 93-217-495/A01

93-112 NIOSH Occupational Disease, Injury and Hazard Surveillance Activities FY 91, February 1993, 240pp
NTIS No: PB 93-217-164/A12

93-113 Delivering on the Nation's Promise: Safety and Health at Work for all People...Through Prevention, 1993, 2pp (Superseded by 94-108)
NTIS No: PB 93-217-404/A01

93-114 Update: NIOSH Warns: Manure Pits Continue to Claim Lives, July 6, 1993, 2pp

93-115 Update: NIOSH Issues Warning to Tobacco Harvesters, July 8, 1993, 2pp

93-116 Update: NIOSH Warns Farmers of Deadly Risk of Grain Suffocation, April 28, 1993, 2pp
NTIS No: PB 93-217-503/A01

93-117 Update: NIOSH Warns of Deadly Carbon Monoxide Hazard from Using Pressure Washers Indoors, May 10, 1993, 2pp

93-118 NIOSH Research and Demonstration Grants-Annual Report, Fiscal Year 1992, May 1993, 184pp
NTIS No: PB 94-118-064/A10

93-119 Update: NIOSH Reports on the Preventability of Tractor Rollovers, January 29, 1993, 2pp

93-120 Update: NIOSH Issues Nationwide Alert on Dangers of Working from Scaffolds, January 4, 1993, 2pp

93-121 Publication Number Not Used

93-122 Update: NIOSH Issues Nationwide Alert on Dangers of Tree Trimming, December 7, 1992, 2pp

93-123 Update: NIOSH Issues Nationwide Alert on Silicosis, November 18, 1992, 2pp

93-124 Update: Prevention of Silicosis Deaths, 1993, 2pp

93-125 Publication Number Not Used

93-126 Update: Farm Safety - Danger of Hair Entanglement in Hay Baler Drive Shafts, July 1992, 2pp

93-127 Update: NIOSH Warns Workers About Explosive Respirator Cylinders, August 2, 1993, 2pp

93-128 Update: NIOSH Warns Midwest of Hazards of Flood Cleanup Work, August 12, 1993, 4pp
(Revised to 94-123) Out of Print

93-129 Publication Number Not Used

93-130 RTECS, a Comprehensive Guide, September 1993, 77pp (Superseded by 97-119)
NTIS No: PB 94-140-449/A06

93-131 Anhydrous Ammonia Safety, NH3 Details For Dealers, 1993, 2pp

93-132 Anhydrous Ammonia Safety, 1993, 2pp

93-133 Questions and Answers - Methylene Chloride Control in Furniture Stripping, September 1997 (Revised), 7pp
NTIS No: PB 94-140-415/A02

94-100 Alert: Request for Assistance in Controlling Exposures to Nitrous Oxide During Anesthetic Administration, April 1994, 13pp
NTIS No: PB 94-194-149/A03

94-101 Update: NIOSH Urges Immediate Action to Prevent Workplace Homicides, October 25, 1993, 2pp

94-102 Alert: Request for Assistance in Preventing Organic Dust Toxic Syndrome, April 1994, 12pp
NTIS No: PB 94-194-305/A03

94-103 Worker Deaths in Confined Spaces, a Summary of Surveillance Findings and Investigative Case Reports, January 1994, 280pp
NTIS No: PB 94-186-202/A14

94-104 NIOSH Certified Equipment List as of September 30, 1993, December 1993, 409pp
NTIS No: PB 94-165-545/A19

94-105 Alert: Request for Assistance in Preventing Scalping and Other Severe Injuries from Farm Machinery, June 1994, 11pp
NTIS No: PB 94-218-245/A03

94-106 Proceedings of the Workshop on Engineering Controls for Preventing Airborne Infections in Workers in Health Care and Related Facilities, July 14-16, 1993, Cincinnati, Ohio, 1994, 208pp
NTIS No: PB 95-145-017/A11

94-107 Alert: Request for Assistance in Preventing Drownings of Commercial Fishermen, April 1994, 12pp
NTIS No: PB 94-194-255/A03

94-108 NIOSH, Delivery on the Nation's Promise: Safety and Health at Work for all People...Through Prevention, 1994, 2pp (Superseded by 97-121)
NTIS No: PB 93-217-404/A01

94-109 Proceedings of the National Fishing Industry Safety and Health Workshop, October 9-11, 1992, Anchorage, Alaska, January 1994, 276pp
NTIS No: PB 94-206-349/A14

94-110 Applications Manual for the Revised NIOSH Lifting Equation, January 1994, 158pp
NTIS No: PB 94-176-930/A09

94-111 Update: College Students may be Risking Their Lives on Fishing Vessels, Working in the Alaska Fishing Industry is one of the Most Hazardous Jobs, April 1994, 2pp

94-112 Proceedings of the 9th International Symposium on Epidemiology in Occupational Health, September 23-25, 1992, Cincinnati, Ohio, 1994, 718pp
NTIS No: PB 95-173-001/A99

94-113 NIOSH Manual of Analytical Methods, Third Edition, August 1994, 1373pp
NTIS No: PB 95-154-191/A99
GPO No: 917-011-00000-1

94-114 NIOSH 1994 Fact Book: National Program for Occupational Safety and Health in Construction, March 1994, 140pp
NTIS No: PB 94-218-609/A08

94-115 Publication Number Not Used

94-116 NIOSH Pocket Guide to Chemical Hazards, June 1994, 436pp
NTIS No: PB 95-100-368/\$14.00
GPO No: 017-033-00473-1

94-117 Update: NIOSH Warns Employment can be Dangerous and Deadly for Adolescents, June 13, 1994

94-118 Update: NIOSH Warns Nitrous Oxide Continues to Threaten Health Care Workers, June 14, 1994, 2pp

94-119 Proceedings of the NIOSH Symposium on Efforts to Prevent Injury and Disease Among Agricultural Workers, July 1994, 283pp
NTIS No: PB 95-103-941/A14

- 94-120** Work-Related Lung Disease Surveillance Report 1994, August 1994, 162pp
NTIS No: 95-181-988/A09
- 94-121** Update: NIOSH Warns of Agricultural Hazards: Organic Dust Syndrome, July 19, 1994, 2pp
- 94-122** Workplace Use of Back Belts, Review and Recommendations, July 1994, 28pp
NTIS No: PB 94-218-401/A03
- 94-123** Update: NIOSH Warns of the Hazards of Flood Cleanup Work, July 1994, 4pp
- 94-124** Participatory Ergonomic Interventions in Meatpacking Plants, 1994, 226pp
NTIS No: PB 95-187-027/A12
- 94-125** Alert: Request for Assistance in Preventing Injuries and Deaths of Fire Fighters, September 1994, 12pp
NTIS No: PB 95-174-876/A03
- 94-126** Publication Number Not Used
- 94-127** Back Belts - Do They Prevent Injury?, 1994, 15pp
NTIS No: PB 95-147-419/A03
- 94-128** Publication Number Not Used
- 94-129** NIOSH Technical Report: Control of Nitrous Oxide in Dental Operatories, September 1994, 121pp
NTIS No: PB 95-170-361/A07
- 94-130** Publication Number Not Used
- 94-131** NIOSH Research and Demonstration Grants-Annual Report, Fiscal Year 1993, August 1994, 192pp
NTIS No: PB 95-173-605/A10
- 95-100** NIOH and NIOSH Basis for an Occupational Health Standard: 2-Ethyl-2-Hydroxymethyl-1,3-Propanediol, December 1994, 26pp
NTIS No: PB 95-219-598/A03
- 95-101** Alert: Request for Assistance in Preventing Injuries and Deaths of Loggers, December 1994, 11pp
NTIS No: PB 95-189-759/A03
- 95-102** Update: NIOSH Finds Effective Interventions to Reduce Ergonomic Injuries in Meatpacking and Other Industries, January 6, 1995, 2pp
- 95-103** Publication Number Not Used
- 95-104** Laboratory Evaluations and Performance Reports for the Proficiency Analytical Testing (PAT) and Environmental Lead Proficiency Analytical Testing (ELPAT) Programs, Memorandum of Understanding #PW593570, November 1994, 34pp
NTIS No: PB 95-219-515/A04
- 95-105** The NIOSH Compendium of Hearing Protection Devices, October 1994, 82pp
NTIS No: PB 95-243-200/A06
- 95-106** Criteria for a Recommended Standard: Occupational Exposure to Respirable Coal Mine Dust, September 1995, 360pp
NTIS No: PB 96-191-713/A17
- 95-107** Guidelines - Minimum and Comprehensive State-Based Activities in Occupational Safety and Health, June 1995, 11pp
NTIS No: PB 96-106-414/A03
- 95-108** Alert: Request for Assistance in Preventing Electrocutions of Crane Operators and Crew Members Working Near Overhead Power Lines, May 1995, 12pp
NTIS No: PB 95-241-162/A03
- 95-109** Safe Grain and Silage Handling, October 1995, 63pp
NTIS No: PB 96-191-945/A05
- 95-110** Publication Number Not Used
- 95-111** New Directions at NIOSH, 1995, 14pp (Superseded by 97-100)
NTIS No: PB 95-260-675/A03
- 95-112** NIOSH Research and Demonstration Grants-Annual Report, Fiscal Year 1994, May 1995, 199pp
NTIS No: PB 96-106-489/A10
- 95-113** Current Intelligence Bulletin 56 - Washed Cotton, A Review and Recommendations Regarding Batch Kier Washed Cotton, August 1995, 23pp
NTIS No: PB 96-121-504/A03
- 95-114** Proceedings of a NIOSH Workshop: A Strategy for Industrial Power Hand Tool Ergonomic Research - Design, Selection, Installation, and Use in Automotive Manufacturing, January 13-14, 1994, Cincinnati, Ohio, August 1995, 56pp
NTIS No: PB 96-191-903/A05
- 95-115** Update: NIOSH Warns: Employment May Be Hazardous for Adolescent Workers, July 17, 1995, 2pp
- 95-116** Publication Number Not Used
- 95-117** Guidelines for Air Sampling and Analytical Method Development and Evaluation, May 1995, 110pp
NTIS No: PB 96-134-564/A07
- 95-118** Update: NIOSH Warns Farmers of Forage Wagon Hazards, September 14, 1995, 2pp
- 95-119** Cumulative Trauma Disorders in the Workplace, Bibliography, September 1995, 217pp
NTIS No: PB 96-192-752/A11
- 95-120** When a Coal Miner Dies...The National Coal Workers' Autopsy Study, 1995, 2pp
- 95-121** Occupational Safety and Health Guidelines for Chemical Hazards - Supplement IV-OHG, 1995, (See 81-123, 88-118, 89-104, and 92-110) 451pp
NTIS No: PB 96-134-549/A21
- 95-122** Publication Number Not Used
- 95-123** Report to Congress on Workers' Home Contamination Study Conducted Under the Workers' Family Protection Act (29 U.S.C. 671a), September 1995, 304pp
NTIS No: PB 96-192-000/A15
- 95-124** Publication Number Not Used
- 95-125** Alert: Request for Assistance in Preventing Deaths and Injuries of Adolescent Workers, May 1995, 15pp
NTIS No: PB 95-260-956/A03
- 95-125a** Alert: Request for Assistance in Preventing Deaths and Injuries of Adolescent Workers, Tear-out Sheet, May 1995, 2pp
- 96-100** Current Intelligence Bulletin 57-Violence in the Workplace - Risk Factors and Prevention Strategies, June 1996, 30pp
NTIS No: PB 96-197-587/A03
GPO No: 017-033-00480-3
- 96-101** NIOSH Guide to the Selection and Use of Particulate Respirators Certified Under 42 CFR Part 84, January 1996, 29pp
NTIS No: PB 96-191-937/A03

- 96-102** Protect Yourself Against Tuberculosis - A Respiratory Protection Guide for Health Care Workers, December 1995, 30pp
NTIS No: PB 96-191-929/A03
- 96-103** National Mortality Profile of Active Duty Personnel in the U.S. Armed Forces, 1980-1993, September 1996, 63pp
NTIS No: PB 97-130-454/A05
- 96-104** NEG and NIOSH Basis for an Occupational Health Standard: 2-Diethylaminoethanol, May 1996, 24pp
NTIS No: PB 96-197-371/A03
- 96-105** Hazard Controls 1: Control of Dusts from Sanding in Autobody Repair Shops, January 1996, 2pp
- 96-106** Hazard Controls 2: Control of Paint Overspray in Autobody Repair Shops, January 1996, 2pp
- 96-107** Hazard Controls 3: Control of Nitrous Oxide in Dental Operatories, January 1996, 4pp
- 96-108** Trac-Safe: A Community-Based Program for Reducing Injuries and Deaths from Tractor Overturns - Facilitator's Manual, Cooperative Agreement # U07/CCU706145, April 1996, 88pp
NTIS No: PB 96-209-713/A06
- 96-109** Ergonomic Interventions for the Soft Drink Beverage Delivery Industry, July 1996, 92pp
NTIS No: PB 97-113-641/A06
- 96-110** Preventing Occupational Hearing Loss - A Practical Guide, June 1996, 103pp (Revised October 1996)
NTIS No: PB 97-137-004/A07
- 96-111** Alert: Request for Assistance in Preventing Asthma and Death from Diisocyanate Exposure, March 1996, 14pp
NTIS No: PB 96-191-911/A03
- 96-112** Alert: Request for Assistance in Preventing Silicosis and Deaths in Construction Workers, May 1996, 22pp
NTIS No: PB 96-197-389/A03
- 96-113** Publication Number Not Used
- 96-114** Publication Number Not Used
- 96-115** National Occupational Research Agenda, April 1996, 82pp
NTIS No: PB 96-191-952/A06
- 96-116** Publication Number Not Used
- 96-117** Publication Number Not Used
- 96-118** NIOSH/CDPHE/CPSC/OSHA/EPA Alert: Preventing Carbon Monoxide Poisoning from Small Gasoline-Powered Engines and Tools, November 1996, 19pp
NTIS No: PB 97-147-078/A03
- 96-118a** NIOSH/CDPHE/CPSC/OSHA/EPA Alert: Preventing Carbon Monoxide Poisoning from Small Gasoline-Powered Engines and Tools, Fact Sheet, November 1996, 4pp
NTIS No: PB 97-780-076/A01
- 96-119** Update: NIOSH Study Finds Work Injuries, Illnesses Among Young Employees Pervasive, Preventable, June 1996, 2pp
- 96-120** Update: NIOSH Warns of Silicosis Risk in Construction, Suggests Measures to Reduce Exposure, June 1996, 2pp
- 96-121** Hazard Controls 4: Control of Wood Dust from Horizontal Belt Sanders, September 1996, 2pp
- 96-122** Hazard Controls 5: Control of Wood Dust from Shapers, September 1996, 2pp
- 96-123** Hazard Controls 6: Control of Wood Dust from Automated Routers, September 1996, 2pp
- 96-124** Hazard Controls 7: Control of Wood Dust from Large Diameter Disc Sanders, September 1996, 2pp
- 96-125** Hazard Controls 8: Control of Wood Dust from Random Orbital Hand Sanders, September 1996, 2pp
- 96-126** Hazard Controls 9: Control of Wood Dust from Orbital Hand Sanders, September 1996, 2pp
- 96-127** Hazard Controls 10: Control of Wood Dust from Table Saws, September 1996, 2pp
- 96-128** Hazard Controls 11: Control of Smoke from Laser/ Electric Surgical Procedures, September 1996, 2pp
- 96-129** NIOSH Fact Sheet - EMFs in The Workplace, September 1996, 4pp
- 96-130** NIOSH Pundit User's Guide For Searching NIOSH CD-ROMS, April 1996, 60pp
****includes 97-106 with purchase from NTIS****
NTIS No: PB 97-502-082/\$60.00
- 96-131** NIOSH Criteria Documents CD-ROM (1972-April 1996), April 1996 (Superseded by 97-106)
NTIS No: PB 97-500-375
- 96-132** The Effects of Workplace Hazards on Male Reproductive Health, 1996, 13pp
NTIS No: PB 97-134-274/A03
- 96-133** Occupational Mortality in Washington State, 1950-1989, March 1997, 176pp
NTIS No: PB 97-174-312/A10
- 96-134** Work-Related Lung Disease Surveillance Report - 1996, October 1996, 484pp
NTIS No: PB 97-128-607/A22
- 96-135** First Supplement to the NIOSH Manual of Analytical Methods (NMAM) Fourth Edition, May 15, 1996, 362pp (See 94-113)
NTIS No: PB 97-146-138/A17
- 96-136** NIOSH Technical Report: Results from the National Occupational Health Survey of Mining (NOHSM), September 1996, 226pp
NTIS No: PB 97-124-473/A12
- 97-100** New Directions at NIOSH, 1996, 31pp
NTIS No: PB 97-146-278/A04
- 97-101** Construction Workers: It's Not Just Dust!...Prevent Silicosis, 1997, 2pp
- 97-102** Publication Number Not Used
- 97-103** Hazard Controls 12 - Control of Organic Dusts from Bedding Choppers in Dairy Barns, April 1997, 2pp
- 97-104** To "B" or Not to "B"...A NIOSH B Reader, 1997, 2pp
- 97-105** Engineering Control Guidelines for Hot Mix Asphalt Pavers, Part 1, New Highway-Class Pavers, January 1997, 26pp
NTIS No: PB 97-144-190/A03
- 97-106** NIOSH Criteria Documents Plus CD-ROM, July 1997 ****includes 96-130 with Purchase from NTIS****
NTIS No: PB 97-502-082/\$60.00

- 97-107** Hazard Controls 13 - Control of Dust from Powder Dye Handling Operations, April 1997, 2pp
- 97-108** Update: NIOSH Warns: Improper Hitching to Tractors Can Be Fatal, January 14, 1997, 2pp
- 97-109** NIOSH Research Projects: Musculoskeletal Disorders, January 1997, 14pp
- 97-110** Alert: Preventing Worker Injuries and Deaths from Moving Refuse Collection Vehicles, May 1997, 13pp
NTIS No: PB 97-189-567/A3
- 97-111** Selecting Evaluating and Using Sharps Disposal Containers
- 97-112** Silica: It's Not Just Dust, Protect Your Lungs from Deadly Silicosis, 1997, 1pp (Poster)
- 97-113** Hazard Controls 14- Control of Scrap Paper Baler Crushing Hazards, April 1997, 4pp
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- 97-115** Injuries Among Farm Workers in the United States, 1993, April 1997, 366pp
NTIS No: PB 97-186-605/A17
- 97-116** Alert: Preventing Asthma in Animal Handlers, January 1998
- 97-117** Elements of Ergonomics Programs: A Primer Based on Workplace Evaluations of Musculoskeletal Disorders, March 1997, 143pp
NTIS No: PB 97-144-901/\$25.00
- 97-118** NIOSH/MSHA/OSHA Silica...It's Not Just Dust: Silica Dust Causes Silicosis - What Rock Drillers can do to Protect Their Lungs from Silica Dust, 1997, 2pp
- 97-119** RTECS: Comprehensive Guide to the RTECS, July 1997, 185pp
NTIS No: PB 98-115-934/A10
- 97-120** Distinguishing Motor Starts from Short Circuits Through Phase-Angle Measurements RI9638, March 1997, 16pp
NTIS No: PB 97-156-723/A03
- 97-121** NIOSH Fact Sheet, 1997, 1pp
- 97-122** Preventing Massive Killer Collapses in Coal Mines IC9446, 1996 (Inside 97-133)
- 97-123** Detection of Downed Trolley Lines Using Arc Signature Analysis RI9639, May 1997, 15pp
NTIS No: PB 97-160-675/A03
- 97-124** Agriculture: NIOSH Research Projects, April 1997, 18pp
NTIS No: PB 98-125-529/A03
- 97-125** Protect Your Family, Reduce Contamination at Home, 1997, 16pp
NTIS No: PB 97-207-104/A03
- 97-126** A Second-Generation Remote Optical Methanometer, RI9640, May 1997, 14pp
NTIS No: PB 97-165-039/A03
- 97-127** Evaluation of a Signaling and Warning System for Underground Mines, RI9641, May 1997, 22pp
NTIS No: PB 97-169-593/A03
- 97-128** Technology News No. 455 - Roof Hazard Alert Modules, May 1997, 2pp
- 97-129** Technology News No. 456 - A Fault Detection Neural Network for dc Trolley System Protection, May 1997, 2pp
- 97-130** Technology News No. 457 - Online Access of Mining Health and Safety Research via the Common Information Service System (CISS), May 1997, 2pp
- 97-131** Technology News No. 458 - Development of a Research Facility to Improve Mine Hoisting and Ore Pass Safety, May 1997, 2pp
- 97-132** Are You a Working Teen? What You Should Know About Safety and Health on the Job, Cooperative Agreement #U60/CCU912042, 1997, 4pp
- 97-133** Proceedings: New Technology for Ground Control in Retreat Mining, IC9446, 1997
- 97-134** Development of a Mine Hoist and Ore Pass Research Facility RI9637, February 1997, 17pp
NTIS No: PB 97-144-109/A3
- 97-135** Alert: Preventing Allergic Reactions to Natural Rubber Latex in the Workplace, June 1997, 15pp
NTIS No: PB 97-197-065/A3
- 97-136** Technology News No. 459 - Ergonomic Seat Reduces Shock for Low-Seam Shuttle Car Operators, May 1997, 2pp
- 97-137** Hazard Controls 15 - Control of Ergonomic Hazards from Squeegee Handles in the Screen-printing Industry, June 1997, 2pp
- 97-138** National Occupational Research Agenda Update, July 1997, 16pp
- 97-139** Agriculture Disease and Injury Research Bibliography 1990-1996, July 1997
- 97-140** NIOSH Pocket Guide to Chemical Hazards, 1997
NTIS No: PB 97-177-604/\$18.00
GPO No: s/n 017-033-00483-8
- 97-141** Musculoskeletal Disorders and Workplace Factors: A Critical Review of Epidemiologic Evidence for Work-Related Musculoskeletal Disorders of the Neck, Upper Extremity and Low Back, July 1997, 588pp
NTIS No: PB 97-178-628/A99
- 97-142** The Science of Occupational Musculoskeletal Disorders, May 21, 1997. (Report of Written Testimony from Dr. Linda Rosenstock Submitted to the Subcommittee on Workforce Protections, Committee on Education and the Workforce, U.S. House of Representatives.), 16pp
NTIS No: PB 97-206-213/A03
- 97-143** Special Hazard Review: Child Labor Research Needs; Recommendations from the NIOSH Child Labor Working Team, August 1997, 75pp
NTIS No: PB 98-113-020/A06
- 97-144** Health Hazard Evaluations CD-ROM, July 1997
NTIS No: PB 98-500-317/\$39.00
GPO No: s/n 017-033-00487-1 \$24.00
- 97-145** Plan Language about Shiftwork, July 1997
NTIS No: PB 98-125-495/A04
GPO No: s/n 017-033-00484-6 \$4.25
- 97-146** Histoplasmosis: Protecting Workers at Risk (NIOSH and NCID), September 1997
NTIS No: PB 98-126-121/A04
GPO No: s/n 017-033-00486-2 \$3.00
- 97-147** Hazard ID 1 - Exposure to Silica Dust on Continuous Mining Operations Using Flooded-Bed Scrubbers, August 1997, 2pp
- 97-148** Alternative Keyboards, 1997, 13pp
NTIS No: PB 98-125-503/A03
- 97-149** NIOSH Fact Sheet-Exploding Flashlights: Are They a Serious Threat to Worker Safety, June 1997, 4pp
NTIS No: PB 98-106-073/A03

97-150 Control of Health and Safety Hazards in Commercial Dry Cleaning

97-151 Publication Number Not Used

97-152 Construction: NIOSH Research Projects, August 1997
NTIS No: PB 98-126-139/A04

97-153 Publication Number Not Used

97-154 Hazard Controls 16 - Control of Exposure to Perchloroethylene in Commercial Dry Cleaning, October 1997, 3pp

97-155 Hazard Controls 17 - Control of Exposure to Perchloroethylene in Commercial Dry Cleaning (Substitution), October 1997, 4pp

97-156 Hazard Controls 18 - Control of Exposure to Perchloroethylene in Commercial Dry Cleaning (Machine Design), October 1997, 4pp

97-157 Hazard Controls 19 - Control of Exposure to Perchloroethylene in Commercial Dry Cleaning (Ventilation), October 1997, 4pp

97-158 Hazard Controls 20 - Control of Spotting Chemical Hazards in Commercial Dry Cleaning, October 1997, 3pp

97-159 Hazard Controls 21 - Control of Fire Hazards in Commercial Dry Cleaning Shops Using Petroleum-Based Solvents, October 1997, 4pp

97-160 Hazard Controls 22 - Control of Ergonomic Hazards in Commercial Dry Cleaning, October 1997, 4pp

97-161 Publication Number Not Used

97-162 Asbestos Bibliography (Revised)

97-163 Current Intelligence Bulletin 58-Risk Factors and Prevention Strategies of Commercial Fishing in Alaska, September 1997
NTIS No: PB 98-125-537/A04

F. MINING SECTION

Reports of Investigations (RI's)

Barrett EA, Kowalski KM [1995]. Effective hazard recognition training using a latent-image, three-dimensional slide simulation exercise. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, RI 9527.
NTIS stock number: PB95-170379.

Beus MJ, Orr TJ [1995]. Computer modeling and analysis of the Greens Creek Mine, Admiralty Island, AK. Spokane, WA: U.S. Department of the Interior, Bureau of Mines, RI 9530.
NTIS stock number: PB95-176418.

Pariseau WG, Johnson JC, McDonald MM, Poad ME [1995]. Rock mechanics study of shaft stability and pillar mining, Homestake Mine, Lead, SD (in three parts): 1. Premining geomechanical modeling using UTAH2. Spokane, WA: U.S. Department of the Interior, Bureau of Mines, RI 9531.
NTIS stock number: PB95-178927.

Whyatt JK, Beus MJ [1995]. In situ stress at the Lucky Friday Mine (in four parts): 1. Reanalysis of overcore measurements from 4250 level. Spokane, WA: U.S. Department of the Interior, Bureau of Mines, RI 9532.
NTIS stock number: PB95-179859.

Oyler DC [1995]. A case study of shield-strata interaction at a southern Ohio mine. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, RI 9534.
NTIS stock number: PB95-178901.

Smith AC, Pro RW, Lazzara CP [1995]. Performance of automatic sprinkler systems for extinguishing incipient and propagating conveyor belt fires under ventilated conditions. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, RI 9538.
NTIS stock number: PB95-200879.

Yenchek MR, Schuster KC, Hudson AJ [1995]. Operational characteristics of trailing cable splices. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, RI 9540.
NTIS stock number: PB95-209227.

Ruff TM [1995]. Teleoperation of a compact loader-tramper. Spokane, WA: U.S. Department of the Interior, Bureau of Mines, RI 9545.
NTIS stock number: PB95-216305.

Wang RC, Shapiro DE [1995]. Bending fatigue tests on flattened strand wire rope at high working loads. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, RI 9547.
NTIS stock number: PB95-216297.

Colinet JF, Spencer ER [1995]. Dust sources and controls for multiple-machine longwall faces. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, RI 9548.
NTIS stock number: PB95-220141.

Edwards JC, Morrow GS [1995]. Development of coal combustion sensitivity test for smoke detectors. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, RI 9551.
NTIS stock number: PB95-219648.

Timko RJ, Derick RL [1995]. Detection and control of spontaneous heating in coal mine pillars—a case study. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, RI 9553.
NTIS stock number: PB95-236790.

Dubaniewicz TH Jr., Chilton JE [1995]. Optically powered remote gas monitor. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, RI 9558.
NTIS stock number: PB95-236808.

Whyatt JK, Jenkins FM, Larson MK [1995]. In situ stress at the Lucky Friday Mine (in four parts): 2. Analysis of overcore measurement from 5300 level. Spokane, WA: U.S. Department of the Interior, Bureau of Mines, RI 9560.
NTIS stock number: PB95-251880.

Tesarik DR, Seymour JB, Yanske TR, McKibbin RW [1995]. Stability analysis of a backfilled room-and-pillar mine. Spokane, WA: U.S. Department of the Interior, Bureau of Mines, RI 9565.
NTIS stock number: PB95-251872.

Peterson JS [1995]. Influence of environmental factors on spark ignition probability. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, RI 9566.
NTIS stock number: PB95-269800.

Whyatt JK, Beus MJ, Larson MK [1995]. In situ stress at the Lucky Friday Mine (in four parts): 3. Reanalysis of overcore measurements from the Star Mine. Spokane, WA: U.S. Department of the Interior, Bureau of Mines, RI 9567.
NTIS stock number: PB95-271276.

Turin FC et al. [1995]. Human factors analysis of roof bolting hazards in underground coal mines. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, RI 9568.
NTIS stock number: PB95-274411.

Perzak FJ, Litton CD, Mura KE, Lazzara CP [1995]. Hazards of conveyor belt fires. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, RI 9570. NTIS stock number: PB95-264792.

Conti RS, Litton CD [1995]. A comparison of mine fire sensors. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, RI 9572. NTIS stock number: PB96-115233.

Clark CC, Vickery JD, Backer RR [1995]. Transport of total tailings paste backfill: results of full-scale pipe test loop pumping tests. Spokane, WA: U.S. Department of the Interior, Bureau of Mines, RI 9573. NTIS stock number: PB96-118898.

Pariseau WG, Johnson JC, McDonald MM, Poad ME [1995]. Rock mechanics study of shaft stability and pillar mining, Homestake Mine, Lead, SD (in three parts): 2. Mine measurements and confirmation of premining results. Spokane, WA: U.S. Department of the Interior, Bureau of Mines, RI 9576. NTIS stock number: PB96-107081.

Whyatt JK, Williams TJ, Blake W [1995]. In situ stress at the Lucky Friday Mine (in four parts): 4. Characterization of mine in situ stress field. Spokane, WA: U.S. Department of the Interior, Bureau of Mines, RI 9582. NTIS stock number: PB96-131685.

Vaught C, Fotta B, Wiehagen WJ, Conti RS, Fowkes RS [1996]. A profile of workers' experience and preparedness in responding to underground mine fires. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, RI 9584. NTIS stock number: PB96-147848.

Miron Y [1995]. Gel sealants for the mitigation of spontaneous heatings in coal mines. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, RI 9585. NTIS stock number: PB96-131966.

Edwards JC, Morrow GS [1995]. Evaluation of smoke detectors for mining use. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, RI 9586. NTIS stock number: PB96-128566.

DuCarme JP, Jaspal JS, Kwitowski AJ [1996]. New techniques for mining thin-seam mountaintop coal reserves. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, RI 9595. NTIS stock number: PB96-147863.

Cecala AB, Timko RJ, Prokop AE [1995]. Reducing respirable dust levels during bag conveying and stacking using bag and belt cleaner device. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, RI 9596. NTIS stock number: PB96-135470.

Beus MJ, Orr TJ, Whyatt JK [1996]. Application of field measurements and computer modeling to evaluate deep mine shaft stability in northern Idaho. Spokane, WA: U.S. Department of the Interior, Bureau of Mines, RI 9600. NTIS stock number: PB96-140181.

Orr TJ, Beus MJ [1996]. Real-time monitoring of field measurements for mine design: Greens Creek Mine, Admiralty Island, Alaska. Spokane, WA: U.S. Department of the Interior, Bureau of Mines, RI 9613. NTIS stock number: PB96-144183.

Weiss ES, Conti RS, Bazala EM, Pro RW [1996]. Inflatable devices for use in combating underground mine fires. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, RI 9614. NTIS stock number: PB96-162367.

Colinet JF, Jankowski RA [1996]. Dust control considerations for deep-cut mining when utilizing exhaust ventilation and a scrubber. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, RI 9615. NTIS stock number: PB96-147798.

Organiscak JA, Page SJ [1996]. Assessment of airborne dust generated from small truck-mounted rock drills. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, RI 9616. NTIS stock number: PB96-155098.

Pariseau WG, Johnson JC, McDonald MM, Poad ME [1996]. Rock mechanics study of shaft stability and pillar mining, Homestake Mine, Lead, SD (in three parts): 3. Geomechanical monitoring and modeling using UTAH3. Spokane, WA: U.S. Department of the Interior, Bureau of Mines, RI 9618. NTIS stock number: PB96-144217.

Whyatt JK, White BG, Johnson JC [1996]. Strength and deformation properties of belt strata, Coeur d'Alene mining district, ID. Spokane, WA: U.S. Department of the Interior, Bureau of Mines, RI 9619. NTIS stock number: PB96-159009.

Kyriazi N [1996]. Performance comparison of second-generation oxygen self-rescuers. Pittsburgh, PA: U.S. Department of Energy, RI 9621. NTIS stock number: PB96-188107.

Edwards JC, Friel GF [1996]. Comparative in-mine evaluation of carbon monoxide and smoke detectors. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, RI 9622. NTIS stock number: PB96-165188.

Spencer ER, Koyseck PD, Fields KG [1996]. Design and demonstration of a continuous dust control parameter monitoring system. Pittsburgh, PA: U.S. Department of Energy, RI 9623. NTIS stock number: PB96-188156.

Friel GF, Edwards JC [1996]. Mine fire detection by ultrasonic ranging systems. Pittsburgh, PA: U.S. Department of Energy, RI 9624. NTIS stock number: PB96-188149.

Molinda GM, Monaghan WD, Mowrey GL, Persetic GF [1996]. Using ground penetrating radar for roof hazard detection in underground mines. Pittsburgh, PA: U.S. Department of Energy, RI 9625. NTIS stock number: PB96-188123.

De Rosa MI [1996]. A 20-liter furnace test method to determine the combustion gas toxicity of conveyor belts. Pittsburgh, PA: U.S. Department of Energy, RI 9626. NTIS stock number: PB96-202619.

Goodman GVR, Spencer ER [1996]. Evaluation of techniques for protecting dust sampling equipment in harsh environments. Pittsburgh, PA: U.S. Department of Energy, RI 9627. NTIS stock number: PB96-210810.

Lucci CE [1996]. Moisture-corrected reflectance rock dust meter. Pittsburgh, PA: U.S. Department of Energy, RI 9630. NTIS stock number: PB96-215017.

Weiss ES, Cashdollar KL, Sapko MJ, Bazala EM [1996]. Secondary explosion hazards during blasting in oil shale and sulfide ore mines. Pittsburgh, PA: U.S. Department of Energy, RI 9632. NTIS stock number: PB97-127658.

Weiss ES, Slivensky WA, Schultz MJ, Stephan CR, Jackson KW [1996]. Evaluation of polymer construction material and water trap designs for underground coal mine seals. Pittsburgh, PA: U.S. Department of Energy, RI 9634. NTIS stock number: PB96-123392.

Kyriazi N, Shubilla JP [1996]. Self-contained self-rescuer field evaluation: fifth-phase results. Pittsburgh, PA: U.S. Department of Energy, RI 9635. NTIS stock number: PB97-124937.

Tesarik DR, Seymour JB, Lane WL [1996]. Material properties of retested specimens composed of tailings, cement, and blast-furnace slag. Spokane, WA: U.S. Department of Energy, RI 9636.
NTIS stock number: PB97-133276.

Beus MJ, Ruff TM [1997]. Development of a mine hoist and ore pass research facility. Spokane, WA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 97-134, RI 9637.

Yenchek MR, Cawley JC, Peterson JS, Kohler JL [1997]. Distinguishing motor starts from short circuits through phase-angle measurements. Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 97-120, RI 9638.

Peterson JS, Cole GP [1997]. Detection of downed trolley lines using arc signature analysis. Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 97-123, RI 9639.

Franks RA, Opferman JJ, Friel GF, Edwards JC [1997]. A second-generation remote optical methanometer. Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 97-126, RI 9640.

Conti RS, Yewen RG [1997]. Evaluation of a signaling and warning system for underground mines. Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 97-127, RI 9641.

Schiffbauer WH [1997]. Accurate navigation and control of continuous mining machines for coal mining. Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 98-101, RI 9642.

Information Circulars (IC's)

Ambrose DH [1995]. Computer graphics simulations comparing reduced exposure mining equipment—shuttle cars versus continuous haulage systems. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, IC 9418.
NTIS stock number: PB95-170643.

Perdue CW, Kowalski KM, Barrett EA [1995]. Hazard recognition in mining: a psychological perspective. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, IC 9422.
NTIS stock number: PB95-220844.

Rethi LL, Burns KL [1995]. Comparison of small mines and small businesses: health and safety barriers and intervention strategies. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, IC 9423.
NTIS stock number: PB95-181376.

Maksimovic SD, Mowrey GL [1995]. Evaluation of several natural gamma radiation systems—a preliminary study. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, IC 9434.
NTIS stock number: PB96-128608.

Kissell FN [1995]. How to control air contaminants during tunnel construction. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, IC 9439.
NTIS stock number: PB96-147558.

Dobroski H Jr., Stephan CR, Conti RS [1996]. Historical summary of coal mine explosions in the United States, 1981 to 1994. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, IC 9440.
NTIS stock number: PB96-154687.

Martin LA, Girard JM, Goris JM [1996]. Installation and safety practices for cable bolts in underground mines. Spokane, WA: U.S. Department of the Interior, Bureau of Mines, IC 9441.
NTIS stock number: PB96-140165.

Molinda GM, Mark C [1996]. Rating the strength of coal mine roof rocks. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, IC 9444.
NTIS stock number: PB96-155072.

Mark C, Tuchman RJ, comp. [1997]. Proceedings: New technology for ground control in retreat mining. Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 97-122, IC 9446.

Fotta B, Mallett LG [1997]. Effects of mining height on injury rates in U.S. underground nonlongwall bituminous coal mines. Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 98-104, IC 9447.

Technology News

U.S. Bureau of Mines [1995]. Updated analysis of longwall pillar stability (ALPS) computer program incorporates new coal mine roof rating (CMRR). Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, Technology News 445.

U.S. Bureau of Mines [1995]. Dust collector discharge shroud reduces dust exposure to drill operators at surface coal mines. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, Technology News 447.

U.S. Bureau of Mines [1995]. Improving the performance of longwall gob gas ventholes. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, Technology News 448.

U.S. Bureau of Mines [1995]. LAYOUT: a bump hazard assessment model. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, Technology News 452.

U.S. Bureau of Mines [1996]. Navigation and control of continuous mining systems for coal mining. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, Technology News 453.

NIOSH [1997]. Technology News 455: Roof hazard alert modules. Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health.

NIOSH [1997]. Technology News 456: A fault detection neural network for dc trolley system protection. Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health.

NIOSH [1997]. Technology News 457: Online access of mining health and safety research via the Common Information Service System (CISS). Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health.

NIOSH [1997]. Technology News 458: Development of a research facility to improve mine hoisting and ore pass safety. Spokane, WA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health.

NIOSH [1997]. Technology News 459: Ergonomic seat reduces shock for low-seam shuttle car operators. Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health.

NIOSH [1997]. Technology News 460: Prototype borehole miner selectively extracts gold from permafrost. Spokane, WA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health.

NIOSH [1997]. Technology News 461: Coal dust explosibility meter. Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health.

NIOSH [1997]. Technology News 462: Ground penetrating radar for highwall guidance. Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health.

NIOSH [1997]. Technology News 463: Machine-mounted continuous respirable dust monitor. Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health.

NIOSH [1997]. Technology News 464: Analysis of retreat mining pillar stability (ARMPS): version 4.0 for Windows. Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health.

NIOSH [1997]. Technology News 465: Method for predicting methane emissions on extended longwall faces. Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health.

NIOSH [1997]. Technology News 466: Use of seismic tomography to identify geologic hazards in underground mines. Spokane, WA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health.

NIOSH [1997]. Technology News 467: Wood crib performance model. Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health.

NIOSH [1997]. Technology News 468: Tests for Doppler radar technology for haulage truck backup alarms. Spokane, WA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health.

Special Publications

Maleki H, Wopat PF, Repsher RC, Tuchman RJ, eds. [1995]. Proceedings: Mechanics and Mitigation of Violent Failure in Coal and Hard-Rock Mines. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, Special Publication 01-95. May be ordered from the National Technical Information Service (NTIS), 5285 Port Royal Rd., Springfield, VA 22161; phone (703) 487-4650; fax (703) 321-8547. Please specify the following NTIS stock number when ordering: PB95-211967.

U.S. Bureau of Mines [1995]. Lake Lynn Laboratory (brochure). Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, Special Publication 08-95. Free copy available from Beth L. Gilmore, NIOSH Pittsburgh Research Center, phone (412) 892-6554, e-mail: bog5@cdc.gov

U.S. Bureau of Mines [1995]. This Is Mining... Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, Special Publication 07-95. Free copy available from Rose Ann Crottsley, NIOSH Pittsburgh Research Center, phone (412) 892-6609, e-mail: rkc6@cdc.gov

Mining Health and Safety Update

U.S. Department of Energy [1996]. Mining health and safety update, *March issue* (focus on ground control).

U.S. Department of Energy [1996]. Mining health and safety update, *August issue* (focus on human factors).

NIOSH [1997]. Mining health and safety update, *July issue* (focus on human factors, fires and explosions, life support, equipment safety).

NIOSH [1997]. Mining health and safety update, *December issue* (focus on haulage, disaster prevention, ground control).

Hazard Identification (Hazard ID)

NIOSH [1997]. Hazard Identification 1: Exposure to silica dust on continuous mining operations using flooded-bed scrubbers. Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health.

Outside Papers

This category includes articles and papers published in peer-reviewed/referee journals, conference proceedings, nontechnical journals or magazines, etc. Copies may be obtained from the journal or organization listed or from your local technical library.

Ambrose DH [1995]. Comparing mining techniques and equipment using computer graphics simulation. In: Ozdemir L, Hanna K, eds. Proceedings of the Third International Symposium on Mine Mechanization and Automation. Vol. 1. Golden, CO: Colorado School of Mines, pp. 6-1 to 6-12.

Ambrose DH [1996]. Solid modeling simulations used as an alternative method to study safety issues in mine elevator/hoist systems. In: Proceedings of MINESIM '96 -First International Symposium on Mine Simulation. Athens, Greece: CD-ROM, 13 pp.

Anderson D [1996]. Computers in geology, geometry, planning, training, communications: mine mapping, modeling, and visualization systems. *Engineering and Mining J* 197(7) 34-35.

Barczak TM, Gearhart DF [1995]. Renewed interest in prop supports as a replacement for wood cribs. In: Peng SS, ed. Proceedings of the 14th International Conference on Ground Control in Mining. Morgantown, WV: West Virginia University, pp. 149-158.

- Barczak TM, Wilson JW [1995]. Practical solutions to offset the deficiencies and price of mine timber. In: Daemen JJK, Schultz RA, eds. *Proceedings of the 35th U.S. Symposium on Rock Mechanics*. Lake Tahoe, NV.
- Barczak TM, Gearhart DF [1996]. Shield evaluation and performance testing at the USBM's strategic structures testing laboratory. In: *Proceedings of Longwall USA*. Pittsburgh, PA: pp. 189-205.
- Barczak TM, Molinda GM [1996]. Innovative secondary support technologies for western mines. In: Ozdemir L, Hanna K, Haramy KY, Peng S, eds. *Proceedings of the 15th International Conference on Ground Control in Mining*. Golden, CO: Colorado School of Mines.
- Barczak TM, Zelanko JC, Molinda GM [1996]. Innovative secondary support systems for gate roads. In: *Proceedings of Longwall USA*. Pittsburgh, PA: pp. 21-43.
- Barczak TM, Gearhart DF [1997]. Full-scale performance evaluation of mobile roof supports. In: Peng SS, ed. *Proceedings of the 16th International Conference on Ground Control in Mining*. Morgantown, WV: West Virginia University, pp. 211-220.
- Barrett EA, Fotta B, Rethi LL [1996]. Independent contractor trends in the United States mining industry. In: *Proceedings of Minesafe International 1996*. Perth, Western Australia, Australia, pp. 357-362.
- Barrett EA, Rethi LL, Fotta B [1996]. Elements from comprehensive safety programs in general industry could benefit independent contractors working in the mining industry—part I. *Holmes Safety Association Bulletin Mar:1-6*.
- Barrett EA, Rethi LL, Fotta B [1996]. Elements from comprehensive safety programs in general industry could benefit independent contractors working in the mining industry—part II. *Holmes Safety Association Bulletin Apr:1-6*.
- Bartholomae RC, Burks JA [1995]. Occupational noise exposures in underground longwall coal mines. In: *Proceedings of Inter-Noise '95*. Newport Beach, CA: pp. 833-836.
- Bartholomae RC [1996]. Occupational noise in coal mining - a continuing problem. In: *Proceedings of the 13th Annual International Pittsburgh Coal Conference*. Pittsburgh, PA: pp. 959-964.
- Bartholomae RC, Burks JA [1996]. Longwall mine noise and recommendations to reduce worker noise exposure. In: *Proceedings of Noise-Con 96*. Seattle, WA: pp. 949-954.
- Bauer ER, Steiner LJ, Hamrick CA [1995]. Extended cut mining and worker safety in underground coal mines. *Soc Min Eng preprint 95-60*.
- Bauer ER, Chekan GJ, Steiner LJ [1997]. Stability evaluation of extended cut mining in underground coal mines. In: Hudson JA, ed. *Proceedings of the 36th U.S. Rock Mechanics Symposium*. New York, NY: Columbia University, paper No. 302.
- Beus MJ, Duda FT Jr., Orr TJ [1995]. A PC-based monitoring system for mine hoisting. In: Mitri HS, ed. *Proceedings of the Third Canadian Conference on Computer Applications in the Mineral Industry*. Montreal, Quebec, Canada: McGill University, pp. 646-653.
- Beus MJ, McCoy WG [1995]. Mine shaft conveyance load-monitoring system. In: *Proceedings of the 1995 IEEE Industry Applications Society 30th Annual Meeting*. Vol. 3. Orlando, FL: pp. 2048-2053.
- Beus MJ, Stewart BM, Iverson S [1996]. Design and hazard assessment of mine ore passes. In: Ozdemir L, Hanna K, Haramy KY, Peng S, eds. *Proceedings of the 15th International Conference on Ground Control in Mining*. Golden, CO: Colorado School of Mines, pp. 297-309.
- Beus MJ [1997]. Sensor-enhanced test platform will refine safety measures in underground mines. *Sensors 14(8):14*.
- Beus MJ, Ruff TM, McCoy WG [1997]. Conveyance monitoring to improve mine hoisting safety. In: *Proceedings of the IEEE-Industrial Applications Society 32nd Annual Meeting*. Vol. 3, pp. 2091-2105.
- Bhatt SK [1995]. Appalachian coal: an overview. *Mining Engineering 47(12):1089-1090*.
- Bockosh GR, Peters RH [1996]. Human factors considerations in another hazardous industry: mining. In: *Proceedings of the International Workshop on Human Factors in Offshore Operations*. New Orleans, LA.
- Boldt CMK [1996]. Improved visibility for operating large haulage equipment. *Holmes Safety Association Bulletin May-June:4-7*.
- Brautigam AL, Kwitowski AJ [1995]. Remote reset for continuous miners used in extended cuts. *Holmes Safety Association Bulletin May-June:4-7*.
- Brnich MJ Jr., Mallett LG, Vaught C [1997]. Training future mine emergency responders; part 1: who should be trained and how? Falls Church, VA: U.S. Department of Labor, Mine Safety and Health Administration, *Holmes Safety Association Bulletin Oct:3-5*.
- Brnich MJ Jr., Mallett LG, Vaught C [1997]. Training future mine emergency responders; part 2: what topics should be included? Falls Church, VA: U.S. Department of Labor, Mine Safety and Health Administration, *Holmes Safety Association Bulletin Nov:3-5*.
- Brnich MJ Jr., Vaught C [1997]. Barricading makes a comeback? Falls Church, VA: U.S. Department of Labor, Mine Safety and Health Administration, *Holmes Safety Association Bulletin Nov:14*.
- Campoli AA, McCall FE, Finfinger GL, Zuber MD [1995]. Longwall dust control potentially enhanced by surface borehole water infusion. In: Wala AM, ed. *Proceedings of the Seventh U.S. Mine Ventilation Symposium*. Lexington, KY: University of Kentucky, pp. 147-152.
- Campoli AA, McCall FE, Finfinger GL, Zuber MD [1995]. Potential for improved longwall dust control by surface borehole water infusion. *Soc Min Eng preprint 95-139*.
- Campoli AA, Tuchman RJ [1995]. United States Bureau of Mines health and safety research. In: *Proceedings of the Asia-Pacific Workshop on Coal Mining Technology in Tokyo '95*. Tokyo, Japan: Japan Technical Co-operation Center for Coal Resources Development (JATEC), pp. 20-27.
- Campoli AA, McCall FE, Finfinger GL, Zuber MD [1996]. Longwall dust control potentially enhanced by surface borehole water infusion. *Mining Engineering 48(7):56-60*.
- Campoli AA, Rebuck D, Mucho TP, Molinda GM [1996]. State-of-the-art room-and-pillar retreat mining in the Kittanning coalbed. *Mining Engineering 48(4):30-35*.
- Cantrell BK, Stein SW, Patashnick H, Hassel D [1996]. Status of a tapered element, oscillating microbalance-based continuous respirable coal mine dust monitor. *Appl Occupational and Environmental Hyg 11(7):624-629*.
- Cantrell BK, Watts WF Jr. [1996]. Diesel exhaust aerosol, review of measurement technology. In: *The Canadian Adhoc Committee Proceedings of the November 6&7, 1996, Plenary Conference in Toronto, Ontario, Diesel Emissions Exposure Reduction in Mines*. Toronto, Ontario, Canada: Canada Centre for Mineral and Energy Technology (CANMET), pp. 7.1-7.9.
- Cantrell BK, Watts WF Jr. [1996]. Diesel exhaust aerosol, review of occupational exposure. *Soc Min Eng preprint 96-126*.

- Cantrell BK, Williams KL, Stein SW, Hassel D, Patashnick H [1996]. Continuous respirable mine dust monitor development. In: Bockosh GR, Langton J, Karmis M, eds. *Proceedings of the 27th Annual Institute on Mining Health, Safety and Research*. Blacksburg, VA: Virginia Polytechnic Institute and State University, pp. 91-102.
- Cantrell BK, Williams KL, Stein SW, Hassel D, Patashnick H [1997]. Continuous respirable mine dust monitor development. In: Ramani RV, ed. *Proceedings of the Sixth International Mine Ventilation Congress*. Chapter 2. SME: Littleton, CO, pp. 11-17.
- Cantrell BK, Watts WF Jr. [1997]. Diesel exhaust aerosol: review of occupational exposure. *Appl Occup Environ Hyg* 12(12):1019-1027.
- Casali JG, Mauney DW, Burks JA [1995]. Physical vs. Psychophysical measurement of hearing protector attenuation—a.k.a. MIRE vs. REAT. *Sound and Vibration, Materials Reference, July*:20-27.
- Cashdollar KL [1996]. Coal dust explosibility. *J of Loss Prevention in the Process Industries* 9(1):65-76.
- Cecala AB, Thimons ED, Klinowski GW [1995]. Reducing respirable dust concentrations at mineral-processing facilities using total mill ventilation system. *Mining Engineering* 47(6):575-576.
- Cecala AB, Daniel JH, Thimons ED [1996]. Methods to lower dust exposures at mineral processing operations. *Appl Occupational and Environmental Hyg* 11(7):854-859.
- Cecala AB, Timko RJ, Prokop AD [1997]. Bag and belt cleaner reduces employee dust exposure. *Rock Products* 100(3): 41-43.
- Cecala AB, Thimons ED [1997]. Methods to lower dust exposures at mineral processing operations. In: *Proceedings of National Stone Association's 1997 Environmental Safety and Health Forum*, pp. 231-249.
- Chase FE, Mark C, Campoli AA [1995]. Analysis of retreat mining pillar stability. In: *Proceedings of the First International Mine Development, Planning, and Operations Conference*. Pittsburgh, PA, pp. 234-251.
- Chase FE, Mark C, Campoli AA [1995]. Analysis of retreat mining stability. *Soc Min Eng preprint* 95-237.
- Chase FE, McComas A, Mark C, Barczak TM, Goble CD [1996]. Practical aspects of mobile roof support usage. In: Ozdemir L, Hanna K, Haramy KY, Peng S, eds. *Proceedings of the 15th International Conference on Ground Control in Mining*. Golden, CO: Colorado School of Mines.
- Chekan GJ [1995]. Design considerations for multiple-seam longwall mining. In: *Proceedings of the First International Mine Development, Planning, and Operations Conference*. Pittsburgh, PA.
- Chufu RL [1996]. An electromagnetic spatial/spectral sensor for geological measurements. In: *Proceedings of the Sixth International Conference on Ground Penetrating Radar*. Sendai, Japan: Tohoku University, pp. 545-547.
- Coal dust explosibility meter [1997]. Falls Church, VA: U.S. Department of Labor, Mine Safety and Health Administration, Holmes Safety Association Bulletin Oct:14-15.
- Cole GP, Peterson JS [1996]. Developing a rugged and portable data acquisition system for the field. *Sensors* 13(2): 33-36.
- Colinet JF, Spencer ER, Jankowski RA [1997]. Status of dust control technology on U.S. longwalls. In: Ramani RV, ed. *Proceedings of the Sixth International Mine Ventilation Congress*. Chapter 55. SME: Littleton, CO, pp. 345-351.
- Colinet JF, Jankowski RA [1997]. Dust control considerations for deep-cut faces when using exhaust ventilation and a flooded-bed scrubber. *SME preprint* 97-48.
- Colinet JF, Jankowski RA [1997]. Ventilation practices on longwall faces in the United States. In: *Proceedings of the Fifth International Symposium on Ventilation for Contaminant Control*. Ottawa, Ontario, Canada: Session 12-3.
- Conti RS [1995]. Inflatable partitions for high-expansion foam generators. *Mining Engineering* 47(6):561-566.
- Conti RS, Wiehagen WJ, Fowkes RS, Vaught C, Brnich MJ Jr. [1997]. Underground mine fire preparedness—Part 4 of 4: Suggested improvements and implications for training miners in fire-fighting preparedness. Falls Church, VA: U.S. Department of Labor, Mine Safety and Health Administration, Holmes Safety Association Bulletin Sept:3-10.
- Cornelius KM, Turin FC [1997]. A case study examining cumulative trauma exposure of coal mine workers. In: Das B, Karwowski W, eds. *Advances in Occupational Ergonomics and Safety II*. IOS Press and Ohmsha: pp. 569-572.
- Cornelius KM, Turin FC [1997]. Reducing roof bolter operator cumulative trauma exposure: ergonomics considerations for reducing cumulative trauma exposure. *Holmes Safety Association Bulletin Jan*:1-8.
- Diamond WP [1995]. Gob gas venthole methane drainage: mine safety and global climate change implications [Abstract]. Tenth V. E. McKelvey Forum on Mineral and Energy Resources. Washington, DC.
- Diamond WP [1995]. The influence of gob gas venthole location on methane drainage: a case study in the lower Kittanning Coalbed, PA. In: Wala AM, ed. *Proceedings of the Seventh U.S. Mine Ventilation Symposium*. Lexington, KY: University of Kentucky, pp. 365-370.
- Diamond WP, Garcia F, Aul GN, Ray RE [1997]. Analysis and prediction of longwall methane emissions: a case study in the Pocahontas No. 3 Coalbed, VA. In: Ramani RV, ed. *Proceedings of the Sixth International Mine Ventilation Congress*. Chapter 35. SME: Littleton, CO, pp. 223-229.
- Diamond WP, Garcia F, Aul GN, Ray RE [1997]. Influence of mine design on longwall methane emissions and gas production from methane-drainage boreholes. In: *Proceedings of the International Coalbed Methane Symposium*. Tuscaloosa, AL: The University of Alabama, pp. 541-550.
- Dobroski H Jr., Tuchman DP, Vinson RP [1997]. Differential pressure as a means of estimating respirable dust mass on collection filters. *Appl Occupational and Environmental Hyg* 12(12):1047-1051.
- Dolinar DR, Tadolini SC, Blackwell DV [1996]. High horizontal movements in longwall gate roads controlled by cable support systems. In: Ozdemir L, Hanna K, Haramy KY, Peng S, eds. *Proceedings of the 15th International Conference on Ground Control in Mining*. Golden, CO: Colorado School of Mines, pp. 497-509.
- Dolinar DR, Oyler DC, Compton CS [1997]. Analysis of extensometer data from a room widening experiment designed to induce a roof fall. In: Peng SS, ed. *Proceedings of the 16th International Conference on Ground Control in Mining*. Morgantown, WV: West Virginia University, pp. 289-295.
- Dubaniewicz TH Jr., Chilton JE [1995]. Fiber-optic powered remote monitor. In: Guzik RP ed. *Proceedings of Optical Engineering Midwest '95*. Vol. 2622. Chicago, IL: SPIE—The International Society for Optical Engineering, pp. 285-291.

- Dubaniewicz TH Jr., Cashdollar KL, Green GM, Cucci GR [1996]. Ignition tests with a fiber-optic powered instrument. In: Proceedings of the 41st Annual ISA Analysis Div. Symposium. Vol. 29. Framingham, MA: pp. 175-184.
- Dubaniewicz TH Jr., Kovalchik PG, Scott LW, Fuller MA [1996]. Distributed measurement of conductor temperatures in mine trailing cables using fiber-optic technology. In: Proceedings of the 1996 IEEE Industry Applications Society 31st Annual Meeting. Vol. 4. San Diego, CA: pp. 2480-2483.
- Edwards JC [1996]. Laboratory- and mine-scale evaluation of smoke detectors [Abstract]. In: Beall K, ed. Annual Conference on Fire Research: Book of Abstracts. Gaithersburg, MD: National Institute of Standards and Technology, pp. 109-110.
- Edwards JC, Friel GF, Franks RA, Opferman JJ [1997]. Mine fire detection under zero airflow conditions. In: Ramani RV, ed. Proceedings of the Sixth International Mine Ventilation Congress. Chapter 52. SME: Littleton, CO, pp. 331-336.
- Filigenzi MT [1997]. Simplified pre-and post-processing technique for performing finite-element analysis of deep underground mining. In: Peng SS, ed. Proceedings of the 16th International Conference on Ground Control in Mining. Morgantown, WV: West Virginia University, pp. 320-328.
- Fotta B, Turin FC, Murphy JN [1995]. Appalachian coal-mining health and safety trends. Mining Engineering 47(12): 1115-1119. Gallagher S, Hamrick CA [1995]. Nature and cost of low back pain. Holmes Safety Association Bulletin Apr:14-19.
- Fotta B, Rethi LL [1996]. Independent contractor employment and accident trends in metal/nonmetal mining. Holmes Safety Association Bulletin July:1-4.
- Franks RA, Opferman JJ, Friel GF, Edwards JC [1997]. A second-generation remote optical methanometer. In: Proceedings of the 43rd International Instrumentation Symposium. ISA: pp. 527-536.
- Friedel MJ, Scott DF, Williams TJ [1997]. Temporal imaging of mine-induced stress change using seismic tomography. Eng Geol 46(2):131-141.
- Gallagher S, Hamrick CA [1995]. Nature and cost of low back pain. Holmes Safety Association Bulletin Apr:14-19.
- Gallagher S, Hamrick CA [1995]. A scientific look at back belts. Holmes Safety Association Bulletin Sept:13-15.
- Gallagher S, Hamrick CA [1996]. Trunk extension and flexion in standing and kneeling postures: peak torque and associated electromyography of ten trunk muscles. In: Rastegar S, ed. Proceedings of the 1996 ASME International Mechanical Engineering Congress and Exposition. Atlanta, GA: ASME, pp. 5-6.
- Gallagher S, Mayton AG, Unger RL, Hamrick CA, Sonier P [1996]. Computer design and evaluation tool for illuminating underground coal-mining equipment. J of the Illuminating Engineering Society 25(1):3-12.
- Gallagher S [1997]. Trunk extension strength and muscle activity in standing and kneeling postures. Spine 22 (16): 1864-1872.
- Gallagher S, Bobick TG [1997]. Effects of posture on back strength and lifting capacity. In: Karwowski W, Wogalter MS, Dempsey PG, eds. Ergonomics and musculoskeletal disorders: research on manual materials handling, 1983-1996. Human Factors and Ergonomics Society: pp. 37-41.
- Gallagher S, Hamrick CA, Cornelius KM, Redfern MS [1997]. The effects of vertical space restriction on the moment experienced by the lumbar spine [Abstract]. In: 1997 American Industrial Hygiene Conference & Exposition - Abstracts. Dallas, TX: p. 19.
- Gallagher S, Hamrick CA, Love AC [1997]. Biomechanical modeling of asymmetric lifting tasks in constrained lifting postures. In: Karwowski W, Wogalter MS, Dempsey PG, eds. Ergonomics and musculoskeletal disorders: research on manual materials handling, 1983-1996. Human Factors and Ergonomics Society: pp. 86-90.
- Gallagher S, Unger RL, Rossi EW [1997]. Effects of lifting in four restricted work postures. In: Karwowski W, Wogalter MS, Dempsey PG, eds. Ergonomics and musculoskeletal disorders: research on manual materials handling, 1983-1996. Human Factors and Ergonomics Society: pp. 56-60.
- Garcia F, McCall FE, Marshall JK [1995]. Gob gas analyzer system. In: Wala AM, ed. Proceedings of the Seventh U.S. Mine Ventilation Symposium. Lexington, KY: University of Kentucky.
- Garcia F, McCall FE, Trevits MA [1995]. A case study of methane gas migration through sealed mine gob into active workings. In: Wala AM, ed. Proceedings of the Seventh U.S. Mine Ventilation Symposium. Lexington, KY: University of Kentucky.
- Garcia F, McCall FE, Trevits MA [1995]. Control of methane gas mitigation from a sealed gob area. In: Proceedings of the 26th International Conference on Safety in Mines Research Institutes. Vol. 1. Katowice, Poland: pp. 53-61.
- Girard JM, Filigenzi MT [1995]. Seismic studies and numerical modeling at the Homestake Mine, Lead, South Dakota. In: Proceedings of Application of Computers and Operations Research in the Mineral Industries (APCOM XXV 1995). Brisbane, Queensland, Australia: Australasian Institute of Mining and Metallurgy, pp. 501-505.
- Girard JM, McKibbin RW, Seymour JB, Jones FM [1997]. Characterization of *in situ* stress conditions at depth—Homestake Mine, Lead, South Dakota. Proceedings of the 36th U.S. Rock Mechanics Symposium. New York, NY: Columbia University, paper No. 104.
- Glowacki AF [1995]. Using MADSS to analyze mining accident trends on a personal computer. In: Tinney G, Bacho A, Karmis M, eds. Proceedings of the 26th Annual Institute on Mining Health, Safety and Research. Blacksburg, VA: Virginia Polytechnic Institute and State University, p. 133-140.
- Glowacki AF [1996]. PC-based software for analyzing U.S. mining accidents, injuries, and illnesses. In: Thompson SD, Grayson RL, Wang YJ, eds. Proceedings of the Fifth Conference on the Use of Computers in the Coal Industry. Morgantown, WV: West Virginia University, pp. 92-99.
- Glowacki AF, Brnich MJ Jr., Mallett LG, Unger RL, Vaught C [1996]. Mine emergency response interactive training simulation. In: Proceedings of Minesim '96, the First International Symposium Via the Internet. University of Idaho, National Technical University of Athens, Greece.
- Goodman GVR, Taylor CD, Page SJ [1995]. Predictive capabilities of SF₆ tracer gas in face ventilation analysis. J of the Mine Ventilation Society of South Africa 48(3):54-61.
- Goris JM, Martin LA, Curtin RP [1995]. Shear behavior of cable bolt supports in horizontal bedded deposits. In: Hassani F, Mottahed P, eds. Proceedings of the 97th Annual General Meeting of CIM. Halifax, Nova Scotia, Canada:

- Goris JM, Martin LA, Curtin RP [1996]. Shear behavior of cable bolt supports in horizontal bedded deposits. In: Ozdemir L, Hanna K, Haramy KY, Peng S, eds. *Proceedings of the 15th International Conference on Ground Control in Mining*. Golden, CO: Colorado School of Mines, pp. 511-521.
- Grau RH III, Bauer ER [1997]. Ground control worker safety during extended cut mining. In: Peng SS, ed. *Proceedings of the 16th International Conference on Ground Control in Mining*. Morgantown, WV: West Virginia University, pp. 283-288.
- Grau RH III, Prosser LJ Jr. [1997]. Scaling accidents in underground stone mines. *Rock Products* 100(1):39-41.
- Greninger NB, Cortese RA, Weiss ES [1995]. Suppression of dust explosions using triggered barriers in wide rectangular entries. In: *Proceedings of the 26th International Conference on Safety in Mines Research Institutes*. Vol. 2. Katowice, Poland: pp. 59-72.
- Hamrick CA, Gallagher S [1997]. The effects of lifting posture on trunk muscle activity. In: Karwowski W, Wogalter MS, Dempsey PG, eds. *Ergonomics and musculoskeletal disorders: research on manual materials handling, 1983-1996*. Human Factors and Ergonomics Society: pp. 128-132.
- Hay KE, Signer SP, King ME [1995]. Mobile roof support technology. In: Ozdemir L, Hanna K, eds. *Proceedings of the Third International Symposium on Mine Mechanization and Automation*. Vol. 2. Golden, CO: Colorado School of Mines, pp. 23-1 to 23-13.
- Hay KE, Signer SP, King ME [1995]. Monitoring mobile roof supports. In: Peng SS, ed. *Proceedings of the 14th International Conference on Ground Control in Mining*. Morgantown, WV: West Virginia University, pp. 55-62.
- Heasley KA, Salamon MDG [1996]. New laminated displacement-discontinuity program. In: Aubertin M, Hassani F, Mitri H, eds. *Proceedings of the Second North American Rock Mechanics Symposium: NARMS '96*. Montreal, Quebec, Canada: pp. 1879-1886.
- Heasley KA, Salamon MDG [1996]. New laminated displacement-discontinuity program: fundamental behavior. In: Ozdemir L, Hanna K, Haramy KY, Peng S, eds. *Proceedings of the 15th International Conference on Ground Control in Mining*. Golden, CO: Colorado School of Mines, pp. 111-125.
- Heasley KA, Dubaniewicz TH Jr., DiMartino MD [1997]. Development of a fiber optic stress sensor. In: Hudson JA, ed. *Proceedings of the 36th U.S. Rock Mechanics Symposium*. New York, NY: Columbia University, paper No. 066.
- Homce GT, Thalimer JR [1995]. Field test of an alternative approach to electric motor predictive maintenance: design and implementation. *Soc Min Eng preprint* 94-117.
- Homce GT, Thalimer JR [1995]. Reducing unscheduled plant maintenance delays: field test of a new method to predict electric motor failure. In: *Proceedings of IEEE 37th Cement Industry Technical Conference*. San Juan, Puerto Rico: IEEE-IAS, pp. 49-60.
- Homce GT, Thalimer JR [1996]. Reducing unscheduled plant maintenance delays—field test of a new method to predict electric motor failure. *IEEE Transactions on Industry Applications*. New York, NY: IEEE, 32(3): 689-694.
- Hwang CC, Edwards JC, Friel GF [1995]. Mathematical modeling of the contaminant dilution along airways at crosscuts. In: Wala AM, ed. *Proceedings of the Seventh U.S. Mine Ventilation Symposium*. Chapter 46. Lexington, KY: University of Kentucky, pp. 293-298.
- Iannacchione AT, Mucho TP, Prosser LJ Jr. [1995]. Ground control problems in the underground limestone industry. In: *Proceedings of the Environment, Safety, and Health Forum*. Nashville, TN: National Stone Association.
- Iannacchione AT [1995]. Safety and ground control in the underground limestone industry. *Stone Review* Oct:36-37.
- Iannacchione AT, Mucho TP, Prosser LJ Jr. [1996]. Controlling roof and ribs in underground mines. *Aggregates Manager* J Aug/Sept: 33-37.
- Iannacchione AT, Prosser LJ Jr. [1997]. Roof and rib hazard assessment for underground stone mines. *Soc Min Eng preprint* 97-113.
- Jankowski RA, Kissell FN [1996]. Longwall dust control: review of developments effected in mines in the U.S.A. over the last ten years (in Polish). *Maszyzny Gornicze J* XIV(5): 51-56.
- Jankowski RA, Organiscak JA [1996]. An overview of research experience as it relates to shearer dust control in the United States. In: *Proceedings of the International Scientific and Technical Conference on Respirable Dust Hazard Control in the World Mining Industry*. Szczyrk, Poland: pp. 5-10.
- Jayaraman NI, Erhard L, Goodman GVR [1996]. Optimizing air curtains for dust control on continuous miner faces: a full-scale model study. *Appl Occupational and Environmental Hyg* 11(7):838-844.
- Jeran PW [1996]. Mine design: long-term effects of high-extraction mining. In: *Proceedings of the 13th Annual Meeting of the American Society for Surface Mining and Reclamation*. Knoxville, TN: pp. 217-233.
- King GW [1995]. Innovative nonrotating underground coal mine bolting module. In: Ozdemir L, Hanna K, eds. *Proceedings of the Third International Symposium on Mine Mechanization and Automation*. Vol. 2. Golden, CO: Colorado School of Mines, pp. 23-27 to 23-37.
- Kovac JG, Kravitz JH, Lazzara CP [1996]. Belt fires and mine escape problems. In: *Proceedings of Longwall USA*. Pittsburgh, PA: pp. 65-75.
- Kovalchik PG, Duda FT [1995]. Speed and position sensors for mine hoists and elevators. In: *Proceedings of the 1995 IEEE Industry Applications Society 30th Annual Meeting*. Vol. 3. Orlando, FL: pp. 2054-2056.
- Kovalchik PG, Scott LW, Duda FT, Dubaniewicz TH Jr. [1997]. Investigation of ampacity derating factors for shuttle cars using fiber optics technology. In: *Proceedings of the IEEE-Industrial Applications Society 32nd Annual Meeting*.
- Kowalski KM [1995]. A human component to consider in your emergency management plans: the critical incident stress factor. *Safety Science* 20:115-123.
- Kowalski KM, Fotta B, Barrett EA [1995]. Modifying behavior to improve miners' hazard recognition skills through training. In: Tinney G, Bacho A, Karmis M, eds. *Proceedings of the 26th Annual Institute on Mining Health, Safety and Research*. Blacksburg, VA: Virginia polytechnicInstitute and State University, pp. 95-104.
- Kowalski KM, Mallett LG, Brnich MJ Jr. [1996]. Leadership characteristics in escape from three underground mine fires. In: Wybo JL, Therrien M-C, Guarnieri F, eds. *Proceedings of the International Emergency Management and Engineering Conference*. Montreal, Quebec, Canada: pp. 317-326.

Kowalski KM [1997]. Training: "highlighted" versus "degraded" technique. Falls Church, VA: U.S. Department of Labor, Mine Safety and Health Administration, Holmes Safety Association Bulletin Nov:19.

Kwitowski AJ [1995]. Coal mining. McGraw-Hill Yearbook of Science & Technology, pp. 49-52.

Kwitowski AJ, Brautigam AL, Monaghan WD [1995]. Teleoperated continuous mining machine for improved safety. Mining Engineering 47(8):753-759.

Larson MK, Stewart C, Stevenson M, King ME, Signer SP [1995]. A case study of a deformation mechanism around a two-entry gateroad system involving probable time-dependent deformation. In: Peng SS, ed. Proceedings of the 14th International Conference on Ground Control in Mining. Morgantown, WV: West Virginia University, pp. 295-304.

Larson MK, Dunford JP [1996]. Two case studies of the performance of rib supports. In: Ozdemir L, Hanna K, Haramy KY, Peng S, eds. Proceedings of the 15th International Conference on Ground Control in Mining. Golden, CO: Colorado School of Mines, pp. 527-542.

Larson MK, Maleki H [1996]. Geotechnical factors influencing a time-dependent deformation mechanism around an entry in a dipping seam. In: Ozdemir L, Hanna K, Haramy KY, Peng S, eds. Proceedings of the 15th International Conference on Ground Control in Mining. Golden, CO: Colorado School of Mines, pp. 699-710.

Lebecki K, Krzystolik P, Śliż J, Dyduch Z, Cybulski K, Sapko MJ, Greninger NB [1995]. Control of dust explosions in multiple-entry gate systems. In: Proceedings of the 26th International Conference on Safety in Mines Research Institutes. Vol. 2. Katowice, Poland: pp. 73-87.

Lineberry GT, Wiehagen WJ [1996]. The cost relationship between performance engineering and human behavior. Trans Soc Min Eng, Vol. 298, pp. 1932-1935.

Litton CD [1996]. The role of specific absorption in defining explosibility of coal dust/air and coal dust/rock dust/air mixtures. In: Transport Phenomena in Combustion. Vol. 2, pp. 1441-1452.

Litton CD [1997]. Diesel-discriminating mine fire sensors. In: Dhar BB, Bhowmick BC, eds. Proceedings of the 27th International Conference of Safety in Mines Research Institutes. Vol. 2. New Delhi, India: Oxford & IBH Publishing Co. Pvt. Ltd., pp. 1013-1022.

Lucci CE, Cashdollar KL, Sapko MJ [1995]. Coal dust explosibility meter. In: Proceedings of the 26th International Conference on Safety in Mines Research Institutes. Vol. 4. Katowice, Poland: pp. 139-146.

Lucci CE, Cortese RA [1995]. Instruments for measuring dust accumulation and composition in underground coal mines. In: Wala AM, ed. Proceedings of the Seventh U.S. Mine Ventilation Symposium. Lexington, KY: University of Kentucky, pp. 141-146.

Machine-mounted continuous respirable dust monitor [1997]. Falls Church, VA: U.S. Department of Labor, Mine Safety and Health Administration, Holmes Safety Association Bulletin Oct: 20-21.

Mainiero RJ, Weiss ES [1995]. Blast wave propagation in underground mines. In: Proceedings of the 11th Symposium on Explosives and Blasting Research. Nashville, TN: pp. 47-61.

Mainiero RJ, Miron Y, Kwak SSW, Kopera LH, Wheeler JQ [1996]. Impact, thermal and shock sensitivity of molten TNT and of asphalt-contaminated molten TNT. In: Proceedings of the 22nd Annual Conference on Explosives and Blasting Technique. Orlando, FL: International Society of Explosives Engineers.

Maleki H, McKibbin RW, Jones FM, Wheeler RA [1995]. Application of numerical modeling to the analysis of strata interactions. In: Mitri HS, ed. Proceedings of the Third Canadian Conference on Computer Applications in the Mineral Industry. Montreal, Quebec, Canada: McGill University, pp. 187-196.

Maleki H, Hollberg K [1995]. Assessment of structural stability through measurements. In: Yoshinaka R, Kikuchi K, eds. Proceedings of the International Workshop on Rock Foundations. Tokyo, Japan.

Maleki H, Johnston JL [1996]. Application of tomographic imaging to stability assessment. In: Ozdemir L, Hanna K, Haramy KY, Peng S, eds. Proceedings of the 15th International Conference on Ground Control in Mining. Golden, CO: Colorado School of Mines, pp. 369-383.

Maleki H, White BG [1997]. Geotechnical factors influencing violent failure in U.S. mines. In: Broch E, Myrvang A, Stjern G, eds. Proceedings of the International Symposium on Rock Support: Applied Solutions for Underground Structures, pp. 208-221.

Maleki H, Zahl EG, Dunford JP [1997]. Development of a statistical-analytical approach for assessing coal bump potential. In: Peng SS, ed. Proceedings of the 16th International Conference on Ground Control in Mining. Morgantown, WV: West Virginia University, pp. 304-310.

Mallett L, Vaught C, Brnich MJ Jr. [1996] Emergency response veterans share the lessons they've learned. Holmes Safety Association Bulletin Oct:5-8.

Mark C, Chase FE, Campoli AA [1995]. Analysis of retreat mining pillar stability. In: Peng SS, ed. Proceedings of the 14th International Conference on Ground Control in Mining. Morgantown, WV: West Virginia University.

Mark C [1996]. Design of U.S. longwall gate entry systems. In: Milestones in Rock Engineering - The Bieniawski Jubilee Collection. Balkema: pp. 291-307.

Mark C, Barton TM [1996]. A new look at the uniaxial compressive strength of coal. In: Aubertin M, Hassani F, Mitri H, eds. Proceedings of the Second North American Rock Mechanics Symposium: NARMS '96. Montreal, Quebec, Canada, pp. 405-412.

Mark C, Barton TM [1996]. The uniaxial compressive strength of coal: should it be used to design pillars? In: Ozdemir L, Hanna K, Haramy KY, Peng S, eds. Proceedings of the 15th International Conference on Ground Control in Mining. Golden, CO: Colorado School of Mines, pp. 61-78.

Mark C, Molinda GM [1996]. Rating coal mine roof strength from exploratory drill core. In: Ozdemir L, Hanna K, Haramy KY, Peng S, eds. Proceedings of the 15th International Conference on Ground Control in Mining. Golden, CO: Colorado School of Mines, pp. 415-428.

Mark C, McCall FE, Pappas DM [1997]. A statistical overview of retreat mining of coal pillars in the United States. In: Peng SS, ed. Proceedings of the 16th International Conference on Ground Control in Mining. Morgantown, WV: West Virginia University, pp. 204-210.

Mark C, Mucho TP, Dolinar D [1997]. Horizontal stress and longwall headgate ground control. Soc Min Eng preprint 97-187.

- Martin LA, Girard JM, Curtin RP [1996]. Laboratory pull tests of resin-grouted cable bolts. In: Ozdemir L, Hanna K, Haramy KY, Peng S, eds. *Proceedings of the 15th International Conference on Ground Control in Mining*. Golden, CO: Colorado School of Mines, pp. 455-468.
- Mayton AG, Sonier P, Gallagher S, Hamrick CA [1995]. Computer design/evaluation tool for illuminating underground coal mining equipment. In: *Proceedings of the 1995 Illumination Engineering Society of North America*. New York, NY: Illumination Engineering Society, pp. 419-440.
- Mayton AG, Gallagher S, Merkel R [1997]. Ergonomic seat with viscoelastic foam reduces shock on underground mobile equipment. In: Das B, Karwowski W, eds. *Advances in Occupational Ergonomics and Safety II*. IOS Press and Ohmsha, pp. 177-180.
- McKewan WM [1997]. Wire rope retirement criteria. *Organisation Internationale pour l'Etude de l'Endurance des Cables (OIPEEC) (International Organization for the Study of the Endurance of Wire Ropes) Bulletin 73*, pp. 21-36.
- Metzler RW, Tuchman RJ [1997]. Future directions of mine health and safety in the USA. In: *Proceedings of the Queensland Mining Industry Health and Safety Conference*. Yeppoon, Queensland, Australia, pp. 6-14.
- Miller A, Daly D, Connors S [1997]. Reach enhancement of a submerged waterjet using air shrouding. In: Hashish M, ed. *Proceedings of the 9th American Waterjet Conference*. Vol. 1, pp. 347-363.
- Miscoe AJ, McKewan WM [1997]. Pittsburgh wire rope research centre. *Organisation Internationale pour l'Etude de l'Endurance des Cables (OIPEEC) (International Organization for the Study of the Endurance of Wire Ropes) Bulletin 73*, pp. 37-43.
- Mohamed MAK, Mutmansky JM, Jankowski RA [1996]. Overview of proven low cost and high efficiency dust control strategies for mining operations. *Mining Technology 78(897)*:141-148.
- Molinda GM, Mark C [1996]. Rating the strength of coal mine roof rocks. In: Aubertin M, Hassani F, Mitri H, eds. *Proceedings of the Second North American Rock Mechanics Symposium: NARMS '96*. Montreal, Quebec, Canada: pp. 413-422.
- Molinda GM, Monaghan WD, Mowrey GL, Persetic GF [1996]. Using ground penetrating radar for roof hazard detection in underground mines. In: Thompson SD, Grayson RL, Wang YJ, eds. *Proceedings of the Fifth Conference on the Use of Computers in the Coal Industry*. Morgantown, WV: West Virginia University, pp. 193-203.
- Molinda GM, Monaghan WD, Mowrey GL, Persetic GF [1996]. Using ground penetrating radar for roof hazard detection in underground mines. In: Ozdemir L, Hanna K, Haramy KY, Peng S, eds. *Proceedings of the 15th International Conference on Ground Control in Mining*. Golden, CO: Colorado School of Mines, pp. 385-402.
- Molinda GM, Dolinar DR, Barczak TM, Hustus J [1997]. Performance of various standing and cribless tailgate support configurations in a large eastern coal mine. In: Peng SS, ed. *Proceedings of the 16th International Conference on Ground Control in Mining*. Morgantown, WV: West Virginia University, pp. 9-15.
- Molinda GM, Mark C [1997]. New coal mine roof rating (CMRR) improves safety in U.S. underground mines. In: Dhar BB, Bhowmick BC, eds. *Proceedings of the 27th International Conference of Safety in Mines Research Institutes*. Vol. 2. New Delhi, India: Oxford & IBH Publishing Co. Pvt. Ltd., pp. 1001-1011.
- Mowrey GL, Ganoe CW [1995]. An infrared-based coal interface detection system. In: Ozdemir L, Hanna K, eds. *Proceedings of the Third International Symposium on Mine Mechanization and Automation*. Vol. 1. Golden, CO: Colorado School of Mines, pp. 3-21 to 3-31.
- Mowrey GL, Ganoe CW, Monaghan WD [1995]. A radar-based highwall rib thickness monitoring system. *Soc Min Eng preprint 95-163*.
- Mowrey GL, Ganoe CW, Monaghan WD [1996]. A radar-based highwall rib-thickness monitoring system. *Trans Soc Min Eng*, Vol. 298, pp. 1865-1869.
- Mucho TP, Mark C, Zelanko JC, Compton CS [1995]. Roof support performance in high stress conditions. In: Peng SS, ed. *Proceedings of the 14th International Conference on Ground Control in Mining*. Morgantown, WV: West Virginia University.
- Mucho TP, Compton CS, Oyler DC, Zelanko JC, Horvath S [1996]. An evaluation of strata behavior and tailgate support performance of Eagle Nest Mine. In: Ozdemir L, Hanna K, Haramy KY, Peng S, eds. *Proceedings of the 15th International Conference on Ground Control in Mining*. Golden, CO: Colorado School of Mines, pp. 523-526.
- Murphy JN [1996]. Update on mining health and safety research. In: Bockosh GR, Langton J, Karmis M, eds. *Proceedings of the 27th Annual Institute on Mining Health, Safety and Research*. Blacksburg, VA: Virginia Polytechnic Institute and State University, pp. 3-8.
- Murphy JN [1996]. The use of computers in the coal industries. In: Thompson SD, Grayson RL, Wang YJ, eds. *Proceedings of the Fifth Conference on the Use of Computers in the Coal Industry*. Morgantown, WV: West Virginia University, pp. 223-225.
- Murphy JN [1997]. United States mining health and safety research. In: Dhar BB, Bhowmick BC, eds. *Proceedings of the 27th International Conference of Safety in Mines Research Institutes*. Vol. 1. New Delhi, India: Oxford & IBH Publishing Co. Pvt. Ltd., pp. 15-19.
- Murphy JN [1997]. Update on the continuing functions of the former U.S. Bureau of Mines. *Mining Engineering 49(6)*: 87-89.
- Murphy JN [1997]. Update: mining health and safety research. *Coal age 102(2)*:40-42.
- Organiscak JA, Smith AC, Diamond WP, Mucho TP [1995]. Examination of bleederless ventilation practices for spontaneous combustion control in U.S. coal mines. In: Wala AM, ed. *Proceedings of the Seventh U.S. Mine Ventilation Symposium*. Lexington, KY: University of Kentucky, pp. 161-166.
- Organiscak JA, Jankowski RA [1996]. U.S. longwall practices for controlling respirable dust sources outby the shearing machine. In: *Proceedings of the International Scientific and Technical Conference on Respirable Dust Hazard Control in the World Mining Industry*. Szczyrk, Poland: pp. 19-25.
- Organiscak JA, Khair AW, Ahmad M [1996]. Studies of bit wear and respirable dust generation. *Trans Soc Min Eng*, Vol. 298, pp. 1932-1935.
- Organiscak JA, Mark C, Jankowski RA, Thimons ED [1996]. Health and safety implications of semiautonomous longwall operations. In: *Proceedings of Longwall USA*. Pittsburgh, PA: pp. 1-13.

Organiscak JA, Mark C, Jankowski RA, Thimons ED [1996]. Health and safety implications of U.S. semiautonomous longwall operations. *Soc Min Eng preprint* 96-51.

Pappas DM, Vallejo LE [1997]. The settlement and degradation of nondurable shales associated with coal mine waste embankments. In: Hudson JA, ed. *Proceedings of the 36th U.S. Rock Mechanics Symposium*. New York, NY: Columbia University, paper No. 241.

Peters RH [1995]. Bureau of Mines holds seminars on improving safety at small underground mines. *Holmes Safety Association Bulletin Feb*:23.

Peters RH [1995]. Encouraging self-protective employee behavior: what do we know? In: Tinney G, Bacho A, Karmis M, eds. *Proceedings of the 26th Annual Institute on Mining Health, Safety and Research*. Blacksburg, VA: Virginia Polytechnic Institute and State University, pp. 83-94.

Peters RH, Bockosh GR, Fotta B [1997]. Overview of U.S. research on three approaches to ensuring that coal miners work safely: management, workplace design, and training. In: *Proceedings of the Japan Technical Cooperation Center for Coal Resources Development*. Tokyo, Japan.

Peterson JS, Cole GP [1996]. Computer-assisted trolley fault detection using neural networks. *NASA Tech Briefs* 20(1).

Peterson JS, Cole GP [1997]. Electrical fault detection on downed dc trolley lines. *Soc Min Eng preprint* 97-38.

Randolph RF [1996]. What is human factors research? *Holmes Safety Association Bulletin Dec*:18.

Randolph RF, Boldt CMK [1996]. Safety analysis of surface haulage accidents. In: Bockosh GR, Langton J, Karmis M, eds. *Proceedings of the 27th Annual Institute on Mining Health, Safety and Research*. Blacksburg, VA: Virginia Polytechnic Institute and State University, pp. 29-38.

Randolph RF, Steiner LJ [1996]. Mining health and safety on the Internet. In: Thompson SD, Grayson RL, Wang YJ, eds. *Proceedings of the Fifth Conference on the Use of Computers in the Coal Industry*. Morgantown, WV: West Virginia University, pp. 178-184.

Randolph RF, Boldt CMK [1997]. Safety analysis of surface haulage accidents—Part 1. *Holmes Safety Association Bulletin May-June*:1-7.

Randolph RF, Boldt CMK [1997]. Safety analysis of surface haulage accidents—Part 2. *Holmes Safety Association Bulletin July*:6-7.

Rethi LL, Wichagen WJ [1995]. Experimental training to reduce variability in the interpretation and application of machine guarding requirements. *Holmes Safety Association Bulletin Mar*:4-9.

Rethi LL, Fotta B [1996]. Independent contractor accident trends in the coal mining industry. *Holmes Safety Association Bulletin Aug*:1-4.

Rider JP, Thimons ED, Prokop AD [1996]. Reducing longwall noise with acoustical material on the shields—a preliminary analysis. In: *Proceedings of Longwall USA*. Pittsburgh, PA: pp. 159-171.

Rider JP, Taylor CD, Thimons ED [1997]. Measuring low-level methane concentrations with an air bag sampling system. *J of the Mine Ventilation Society of South Africa* 50(2):47-56.

Rider JP, Taylor CD, Zimmer JA [1997]. Evaluating ventilation parameters for extended-cut mining. *SME preprint* 97-148.

Ruhe TC, Bajpayee TS [1996]. Low temperature limits for mixing recycled oil, diesel fuel, and ammonium nitrate to make ANFO-type blasting agents. In: *Proceedings of the 22nd Annual Conference on Explosives and Blasting Technique*. Orlando, FL: International Society of Explosive Engineers, pp. 232-243.

Ryan MW [1995]. Alternatives to oxyacetylene metal-cutting. *Mining Engineering* 47(3):269-271.

Ryan MW [1995]. The impact of airflow changes on the hazards on direct fighting of fires involving conveyor belting. In: *Proceedings of the 26th International Conference on Safety in Mines Research Institutes*. Vol. 4. Katowice, Poland: pp. 53-67.

Sammarco JJ [1996]. A guidance sensor for continuous mine haulage. In: *Proceedings of the 1996 IEEE Industry Applications Society 31st Annual Meeting*. Vol. 4. San Diego, CA: pp. 2465-2472.

Sammarco JJ [1997]. Evaluation of a continuous haulage guidance sensor. In: Gurgenci H, Hood M, eds. *Proceedings of the Fourth International Symposium on Mine Mechanisation and Automation*. Vol. 2. Brisbane, Queensland, Australia: pp. B6-21 to B6-32.

Sammarco JJ [1997]. Progress in developing software safety guidelines for the mining industry. In: Gurgenci H, Hood M, eds. *Proceedings of the Fourth International Symposium on Mine Mechanisation and Automation*. Vol. 2. Brisbane, Queensland, Australia: pp. B9-9 to B9-15.

Sammarco JJ, Kohler JL, Novak T, Morley LA [1997]. Safety issues and the use of software-controlled equipment in the mining industry. In: Lindsay PA, ed. *Proceedings of the 1997 Australian Workshop on Industrial Experience With Safety Critical Systems and Software*. Australian Computer Society: pp. 25-32.

Sammarco JJ, Kohler JL, Novak T, Morely LA [1997]. Safety issues and the use of software-controlled equipment in the mining industry. In: *Proceedings of the IEEE-Industrial Applications Society 32nd Annual Meeting*.

Santis LD, Rowland JH, Viscusi DJ, Wesolowski MH [1995]. The large chamber test for toxic fumes analysis of permissible explosives. In: *Proceedings of Conference on Explosives and Blasting Technique*. Nashville, TN, pp. 431-435.

Santis, LD, Cortese RA [1996]. A method of measuring continuous detonation rates using off-the-self items. In: *Proceedings of the 22nd Annual Conference on Explosives and Blasting Technique*. Orlando, FL: International Society of Explosive Engineers, pp. 154-164.

Santis LD [1997]. Fire protection provided by detonator containers. In: *Proceedings of the 23rd Annual Conference on Explosives & Blasting Technique*. International Society of Explosives Engineers, pp. 487-498.

Schatzel SJ [1995]. A characterization of frictional ignitions in underground coal mines. In: Wala AM, ed. *Proceedings of the Seventh U.S. Mine Ventilation Symposium*. Vol. 7. Lexington, KY: University of Kentucky, pp. 263-268.

Schatzel SJ [1995]. The modified direct method for gas content evaluation [Abstract]. Tenth V. E. McKelvey Forum on Mineral and Energy Resources. Washington, DC.

- Schatzel SJ, Garcia F, Marshall JK, Ingram DK [1995]. Monitoring of methane emissions during extended cut coal mining operations in the book cliff fields, Utah [Abstract]. In: Proceedings of the Geological Society of America Annual Meeting. New Orleans, LA.
- Schiffbauer WH [1996]. Navigation and control of continuous mining systems for coal mining. In: Proceedings of the 1996 IEEE Industry Applications Society 31st Annual Meeting. Vol. 4. San Diego, CA: pp. 2473-2479.
- Schiffbauer WH [1997]. Pursuit of accurate navigation and control of continuous mining machines for coal mining. In: Gurgenci H, Hood M, eds. Proceedings of the Fourth International Symposium on Mine Mechanisation and Automation. Vol. 2. Brisbane, Queensland, Australia: pp. B6-33 to B6-46.
- Schnakenberg GH Jr. [1996]. Progress toward a reduced exposure mining system. Soc Min Eng preprint 96-74.
- Schnakenberg GH Jr. [1997]. Progress toward a reduced exposure mining system. Mining Engineering 49(2):73-77.
- Scott DF, Friedel MJ, Jackson MJ, Williams TJ, Olson MS [1995]. 3-D tomographic imaging of anomalous condition in a deep silver mine. J of Appl Geophysics 34:1-21.
- Scott DF, Williams TJ, Friedel MJ [1996]. Application of seismic tomography in underground mining. In: Ozdemir L, Hanna K, Harnay KY, Peng S, eds. Proceedings of the 15th International Conference on Ground Control in Mining. Golden, CO: Colorado School of Mines, pp. 647-659.
- Scott DF, Williams TJ, Friedel MJ, Denton DK [1997]. Relative stress conditions in an underground pillar, Homestake Mine, Lead, SD. Proceedings of the 36th U.S. Rock Mechanics Symposium. New York, NY: Columbia University, paper No. 278.
- Scott DF, Williams TJ, Friedel MJ [1997]. Investigation of a rock-burst site, Sunshine Mine, Kellogg, Idaho. In: Gibowicz SJ, Lasocki S, eds. Proceedings of the 4th International Symposium on Rockbursts and Seismicity in Mines. Balkema: pp. 311-315.
- Seymour JB, Tesarik DR, McKibbin RW [1996]. Stability of permafrost gravels in an Alaskan underground placer mine. In: Myrvang AM, Vik J, eds. Proceedings of the Fourth International Symposium on Mining in the Arctic. Longyearbyen, Svalbard, Norway: pp. 147-156.
- Signer SP, Cox DJ, Johnston JL [1997]. A method for the selection of rock support based on bolt loading measurements. In: Broch E, Myrvang A, Stjern G, eds. Proceedings of the International Symposium on Rock Support: Applied Solutions for Underground Structures, pp. 388-399.
- Signer SP, Cox DJ, Johnston JL [1997]. A method for the selection of rock support based on bolt loading measurements. In: Peng SS, ed. Proceedings of the 16th International Conference on Ground Control in Mining. Morgantown, WV: West Virginia University, pp. 183-190.
- Smith AC, Rumancik WP, Lazzara CP [1995]. SPONCOM - a computer program for the prediction of the spontaneous combustion potential of an underground coal mine. In: Proceedings of the 26th International Conference on Safety in Mines Research Institutes. Vol. 4. Katowice, Poland: pp. 39-52.
- Smith AC, Pro RW, Lazzara CP [1995]. The performance of automatic sprinkler systems in the extinguishment of incipient and propagating conveyor belt fires under ventilation conditions. In: Wala AM, ed. Proceedings of the Seventh U.S. Mine Ventilation Symposium. Lexington, KY: University of Kentucky.
- Smith AC, Rumancik WP, Lazzara CP [1996]. SPONCOM - a computer program for the prediction of the spontaneous combustion potential of an underground coal mine. In: Thompson SD, Grayson RL, Wang YJ, eds. Proceedings of the Fifth Conference on the Use of Computers in the Coal Industry. Morgantown, WV: West Virginia University, pp. 134-143.
- Smith AC, Sapko MJ [1996]. Prevention of spontaneous combustion fires in U.S. coal mines. In: Proceedings of the QCO/DME Coal Industry Safety Conference. Yeppoon, Queensland, Australia: pp. 119-126.
- Spencer ER, Kovscek PD, Fields KG [1996]. Design and demonstration of a continuous dust control parameter monitoring system. In: Proceedings of Longwall USA. Pittsburgh, PA: pp. 121-132.
- Steiner LJ, Turin FC, Cornelius KM [1997]. A method for evaluating system interactions in a dynamic work environment. In: Das B, Karwowski W, eds. Advances in Occupational Ergonomics and Safety II. IOS Press and Ohmsha: pp. 603-606.
- Taylor CD, Kovscek PD, Thimons ED [1995]. Monitoring machine-mounted dust scrubber performance. In: Wala AM, ed. Proceedings of the Seventh U.S. Mine Ventilation Symposium. Chapter 63. Lexington, KY: University of Kentucky, pp. 419-422.
- Taylor CD, Kovscek PD, Thimons ED [1996]. Monitoring air flow through a machine-mounted dust scrubber. Appl Occupational and Environmental Hyg 11(7):813-816.
- Taylor CD, Rider JP, Thimons ED [1996]. Changes in face methane concentrations using high capacity scrubbers with exhausting and blowing ventilation. Soc Min Eng preprint 96-167.
- Taylor CD, Rider JP, Thimons ED [1997]. Impact of unbalanced intake and scrubber flows on face methane concentrations. In: Ramani RV, ed. Proceedings of the Sixth International Mine Ventilation Congress. Chapter 27. SME: Littleton, CO, pp. 169-172.
- Taylor CD, Goodman GVR [1997]. Use of methane monitors for estimating face gas conditions. Appl Occupational and Environmental Hyg 12(12):947-951.
- Timko RJ, Derick RL [1995]. Predicting spontaneous heating in coal mine pillars. In: Wala AM, ed. Proceedings of the Seventh U.S. Mine Ventilation Symposium. Chapter 27. Lexington, KY: University of Kentucky.
- Tuchman RJ [1995]. Dr. Holmes inducted into American mining hall of fame. Holmes Safety Association Bulletin Jan:13-14.
- Unger RL, Conway K [1995]. Impact of maintainability design on injury rates and maintenance costs for underground mining equipment. Holmes Safety Association Bulletin Feb:3-15.
- Unger RL [1996]. A PC based ergonomic analysis software package for underground mining equipment. In: Thompson SD, Grayson RL, Wang YJ, eds. Proceedings of the Fifth Conference on the Use of Computers in the Coal Industry. Morgantown, WV: West Virginia University, pp. 83-91.
- Unger RL [1996]. Tips for safer mining equipment. Holmes Safety Association Bulletin Oct:14-15.
- Unger RL [1997]. A PC-based visibility analysis software package for underground mining equipment. In: Dhar BB, Bhowmick BC, eds. Proceedings of the 27th International Conference of Safety in Mines Research Institutes. Vol. 2. New Delhi, India: Oxford & IBH Publishing Co. Pvt. Ltd., pp. 983-993.

Vaught C, Mallett LG, Fowkes RS, Conti RS, Wiehagen WJ [1997]. Underground mine fire preparedness—Part 2 of 4: Preparedness to evacuate and miners' experiences with incipient fires. *Holmes Safety Association Bulletin July*:1-4.

Vaught C, Mallett LG, Kowalski KM, Brnich MJ Jr. [1997]. Worker responses to realistic evacuation training. In: *Proceedings of The International Emergency Management Society (TIEMS) Conference 1997*, Copenhagen, Denmark: pp. 55-62.

Volkwein JC, Mucho TP, Bhatt SK [1995]. Safety, technological, and productivity potentials of highwall mining. *Holmes Safety Association Bulletin Jan*:4-11.

Volkwein JC [1997]. Control and monitoring of gas in blind auger headings. In: Ramani RV, ed. *Proceedings of the Sixth International Mine Ventilation Congress*. Chapter 26. SME: Littleton, CO, pp. 165-168.

Weiss ES, Slivensky WA, Schultz MJ, Stephan CR [1997]. Evaluation of water trap designs and alternative mine seal construction materials. In: Dhar BB, Bhowmick BC, eds. *Proceedings of the 27th International Conference of Safety in Mines Research Institutes*. Vol. 2. New Delhi, India: Oxford & IBH Publishing Co. Pvt. Ltd., pp. 973-981.

Whyatt JK, White BG, Blake W [1995]. Structural stress and concentration of mining-induced seismicity. *Soc Min Eng preprint* 95-162.

Whyatt JK, Blake W, Williams TJ [1996]. Classification of large seismic events at the Lucky Friday Mine. In: Ozdemir L, Hanna K, Harny KY, Peng S, eds. *Proceedings of the 15th International Conference on Ground Control in Mining*. Golden, CO: Colorado School of Mines, pp. 253-268.

Whyatt JK, White BG [1997]. Stratigraphic subunits and control of ground in the Revett Formation, Coeur d'Alene Mining District, Idaho. *Proceedings of the 36th U.S. RockMechanics Symposium*. New York, NY: Columbia University, paper No. 332.

Whyatt JK, White BG, Blake W [1997]. Structural stress and concentration of mining-induced seismicity. *Trans SME*, Vol. 300, pp. 74-82.

Wiehagen WJ, Lineberry GT, Rethi LL [1996]. The workcrew performance model: a method for defining and building upon the expertise within an experienced work force. *Trans Soc Min Eng*, Vol. 298, pp. 1925-1931.

Wiehagen WJ, Conti RS, Vaught C, Fowkes RS, Brnich MJ Jr. [1997]. Underground mine fire preparedness—Part 3 of 4: Underground fire-fighting experiences and workers' perceptions of training and readiness for fire-fighting. *Holmes Safety Association Bulletin August*:3-7.

Wiehagen WJ, Fowkes RS, Vaught C, Conti RS, Fotta BA [1997]. Underground mine fire preparedness—Part 1 of 4: Study overview and perspective of underground mine fires. *Holmes Safety Association Bulletin May-June*:14-19.

Wieland MS [1995]. Detecting cross-hole wave interactions and charge malfunctions in underground shots. In: *Proceedings of the Annual Symposium on Explosives Blasting Research*. Cleveland, OH: Society of Explosive Engineers, pp. 62-75.

Wieland MS [1996]. Three laboratory tests for explosive ruggedness. In: *Proceedings of the Annual Symposium on Explosives Blasting Research*. Cleveland, OH: Society of Explosive Engineers, pp. 165-178.

Wieland MS [1997]. Reduced explosive-mass and damaged detonator performance tests. In: *Proceedings of the 13th Annual Symposium on Explosives and Blasting Research*. International Society of Explosive Engineers: pp. 211-221.

Wieland MS [1997]. Understanding toxic fumes from mining explosives. In: *Proceedings of the Blasting Analysis International, Inc., Seventh High-Tech Seminar*, pp. 93-108.

Williams KL, Vinson RP [1996]. A new technology for respirable coal mine dust measurement. *Appl Occupational and Environmental Hyg* 11(7):618-623.

Wirsch SJ, Jankowski RA [1995]. Shearer-mounted scrubbers, are they viable and cost-effective? In: Wala AM, ed. *Proceedings of the Seventh U.S. Mine Ventilation Symposium*. Chapter 49. Lexington, KY: University of Kentucky.

Wuest WJ, DeMarco MJ, Mark C [1996]. Review of applications of the coal-mine roof rating (CMRR) for ground-control planning and operations. *Mining Engineering* 48(7): 49-55.

Yenchek MR, Schuster KC, Hudson AJ [1995]. Operational characteristics of trailing cable splices. In: *Proceedings of the 1995 IEEE Industry Applications Society 30th Annual Meeting*. Vol. 3. Orlando, FL: pp. 1993-1999.

Yenchek MR, Cole GP [1997]. Thermal modeling of portable power cables. In: *IEEE Transactions on Industry Applications*. Vol. 33, No. 1, pp. 72-79.

Zelanko JC, Mucho TP, Compton CS, Long LE, Bailey PE [1995]. Parameters affecting cable bolt performance: results of in situ evaluations. In: Peng SS, ed. *Proceedings of the 14th International Conference on Ground Control in Mining*. Morgantown, WV: West Virginia University.

Zipf RK Jr., Mark C [1996]. Design methods to control violent pillar failures in room-and-pillar mines. In: Ozdemir L, Hanna K, Harny KY, Peng S, eds. *Proceedings of the 15th International Conference on Ground Control*. Golden, CO: Colorado School of Mines, pp. 571-585.

Zlochower IA [1996]. Inerting hydrocarbon fuels with halon alternatives. In: *Proceedings of the Halon Options Technical Working Conference*. Albuquerque, NM: pp. 367-375.

II. BIBLIOGRAPHIES

Agriculture Safety and Health Bibliography, June 1992, 46pp
NTIS No: PB 93-145-746/A4

Construction Bibliography, September 1993, 47pp

Epidemiology of Farm-Related Injuries: Bibliography with Abstracts, June 1992, 206pp
NTIS No: PB 93-136-398/A11

Hazardous Waste Bibliography - Selected NIOSH Publications on Hazardous Waste, October 1988, 18pp

NIOSH Publications on Noise and Hearing, July 1991, 143pp

NIOSH Publications on Video Display Terminals (Revised), June 1991, 87pp
NTIS No: PB 92-109-230/A6

Reproductive Hazards in the Workplace Bibliography, April 1994, 178pp
NTIS No: PB 94-206-620/A10

95-119 Cumulative Trauma Disorders in the Workplace Bibliography, September 1995, 217pp
NTIS No: PB 96-192-752/A11

97-139 Agriculture Disease and Injury Research Bibliography 1990-1996

97-162 Asbestos Publications, 1997
NTIS No: PB 93-144-335/A9

III. UNNUMBERED PUBLICATIONS

800 Number Flyer Directory (1-800-356-4674)

Database Vendors List, 12pp

Educational Resource Centers (ERC) Schedule of Courses, September 1997 - December 1998, 29pp

Getting Connected to the NIOSH Homepage Flyer, May 1997, 2pp

Guide to Working Safely with Silica, It's Not Just Dust (USDOL and NIOSH), 1997, 20pp

Joint Advisory Notice - Protection Against Occupational Exposure to Hepatitis B Virus (HBV) and Human Immunodeficiency Virus (HIV), October 19, 1987, 14pp

MMWR: Recommendations for Prevention of HIV Transmission in Health-Care Settings, August 21, 1987/Vol. 36/No. 2S (Supplement), 18pp

MMWR: Guidelines for Prevention of Transmission of Human Immunodeficiency Virus and Hepatitis B Virus to Health-Care and Public-Safety Workers, June 23, 1989/Vol. 38/No. S-6, 37pp

MMWR: Recommendations for Preventing Transmission of Human Immunodeficiency Virus and Hepatitis B Virus to Patients During Exposure-Prone Invasive Procedures, July 12, 1991/Vol. 40/No. RR-8, 14pp

MMWR: Prevention and Control of Tuberculosis in Migrant Farm Workers - Recommendations of the Advisory Council for the Elimination of Tuberculosis, June 5, 1992/Vol. 41/No. RR-10, 9pp

MMWR: Recommended Infection-Control Practices for Dentistry, 1993, May 28, 1993/Vol. 42/No. RR-8, 12pp

Questions and Answers: EMF in the Workplace, Electric and Magnetic Fields Associated with the Use of Electric Power (Joint Publication Between NIOSH, NIEHS and DOE), September 1996, 66pp

Registry of Toxic Effects of Chemical Substances (RTECS) Database Flyer, March 1995, 14pp

Respiratory Protective Devices; Final Rules and Notice, Federal Register Notice, Part II, Thursday, June 8, 1995, 68pp

Ryan White Comprehensive AIDS Resources Emergency Act; Emergency Response Employees Notice, Federal Register, Part V, Monday, March 21, 1994, 12pp

Specific Medical Tests Recommended by NIOSH/OSHA and Other Researchers for OSHA Regulated Substances, November 1997 (Poster)

Tips for Preventing Silicosis, If It's Silica, It's Not Just Dust (USDOL and NIOSH), 1997, 2pp

Video Tapes List, 18pp

IV. NIOSH 800-NUMBER

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How does the 800-NUMBER work?

The 800-number is part of the Centers for Disease Control and Prevention (CDC) automated voice/fax system. It combines recorded and fax information with direct access to NIOSH technical information staff and the NIOSH Publications Office. The automated system operates 24 hours per day, 7 days per week and provides voice or fax information on a variety of topics that callers can access by selecting the options shown on the following page. Callers may also speak directly with a technical information specialist or publications representative from 9:00 a.m. until 4:00 p.m. (eastern time) Monday through Friday. We will answer your questions over the telephone, or we will send you NIOSH publications or a packet of information free of charge within 10 working days.

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At the first prompt, press 1 if using a touch-tone telephone; stay on the line if using a rotary telephone. Then follow the prompts to select the topics below. Press 8 to replay the last prompt; press 9 to replay earlier prompts.

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- 2 All other options

1 PUBLICATIONS and DATABASES

- 1 Description of publications activity (fax, e-mail, postal mail addresses)
- 2 List of available NIOSH publications
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 - 1 NIOSH Pocket Guide to Chemical Hazards
 - 2 NIOSH Manual of Analytical Methods
 - 3 Revised NIOSH lifting recommendations
 - 4 NIOSH databases and electronic products
 - 1 Registry of Toxic Effects of Chemical Substances (RTECS®)
 - 2 NIOSHTIC®
 - 3 National Ag Safety Database (NASD)
 - 4 Criteria Documents Plus CD-ROM
 - 5 Publications representative (9:00 a.m.–4:00 p.m. eastern time M–F)

2 SELECTED TOPICS

- 1 Carpal tunnel syndrome
- 2 Indoor environmental (air) quality
- 3 Violence in the workplace
- 4 Back belts
- 5 Silicosis

3 HEALTH HAZARD EVALUATION (HHE) PROGRAM

Description and HHE request form

4 TRAINING

- 1 Educational Resource Center (ERC) continuing education courses and schedules
- 2 Training videotapes
- 3 Training grants program

5 TECHNICAL INFORMATION SPECIALIST

(9:00 a.m.–4:00 p.m. eastern time M–F)

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705005 Work-Related Musculoskeletal Disorders- 3
705002 Indoor Environmental (Air) Quality* - 3
705003 Violence in the Workplace* - 2
705004 Back Belts* - 1
760026 Preventing Silicosis* - 2
705032 Hazards of Flood Cleanup Work - 5
705020 Are You a Working Teen? - 4
705006 Latex Allergy - 2
705012 Breast Cancer Research at NIOSH - 2
705025 Health and Safety for Kids on the Farm - 2
705030 Agriculture Safety and Health - 3
705031 Construction Safety and Health - 3
705033 Mine Safety and Health - 3

Analytical Methods

- 770001 Method 7400 Asbestos by PCM - 16
- 770002 Method 7402 Asbestos by TEM - 8
- 770003 Method 9000 Asbestos by XRD - 7
- 770004 Method 9002 Asbestos by PLM - 10

- 770005 Method 7082 Lead by Flame AAS - 9
- 770006 Method 7105 Lead by GFAAS - 5
- 770009 Method 9100 Lead in Surface Wipe Samples - 3
- 770008 Method 8003 Lead in Blood & Urine - 5
- 770022 Method 7700 Lead in Air by Chemical Spot Test - 4

- 770010 Method 7500 Crystalline Silica by XRD - 9
- 770012 Method 7601 Crystalline Silica by VIS - 6
- 770013 Method 7602 Crystalline Silica by IR - 6
- 770014 Method 7603 Crystalline Silica in Coal Mine Dust by IR - 7
- 770011 Method 7501 Amorphous Silica by XRD - 9

- 770016 Method 3500 Formaldehyde by VIS - 6
- 770015 Method 2541 Formaldehyde by GC - 6
- 770017 Method 5700 Formaldehyde on Dust - 6

- 770018 Method 0500 Total Particulates - 4
- 770019 Method 0600 Respirable Particulates - 4

- 770007 Method 7300 Elements by ICP - 11
- 770020 Method 8005 Elements in Blood or Tissue-7
- 770021 Method 8310 Metals in Urine - 6

VI. NIOSH DATABASES AND ELECTRONIC PRODUCTS

NIOSH currently offers easy access to the following seven databases and electronic products. A list of government and private sources for these products is provided at the end of this document.

REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES (RTECS®)

The Registry of Toxic Effects of Chemical Substances (RTECS®) is a database of toxicological information compiled, maintained, and updated by NIOSH.

RTECS® is a compendium of data extracted from the open scientific literature and now contains more than 135,000 chemicals. The data are recorded in a standardized format and arranged in alphabetical order by chemical prime name. Six types of toxicity data are included: (1) primary irritation; (2) mutagenic; (3) reproductive; (4) tumorigenic; (5) acute; and (6) other multiple dose toxicity. Specific numeric toxicity values such as LD50, LC50, TDLo, and TCLo are noted as well as the species studied and route of administration used. For each citation, the bibliographic source is listed, thereby enabling the user to access the actual studies cited. No attempt has been made to evaluate the studies cited in RTECS®. The user has the responsibility of making such assessments. In addition to toxicity data, RTECS® contains chemical identification data, including synonyms and CAS numbers; NIOSH-generated data; and review, status, and regulatory information related to Federal agencies and non-government organizations.

Available Formats: On-line, CD-ROM, computer tape

An "RTECS® User's Guide," (publication number 97-119) which describes in detail the selection criteria, content, and structure of the database, is available from: NIOSH Publications, 4676 Columbia Parkway (C-13), Cincinnati, OH 45226 (telephone 1-800-356-4674; fax 513-533-8573; e-mail pubstaft@cdc.gov).

NIOSHTIC®

NIOSHTIC® is a bibliographic database of literature covering all aspects of occupational safety and health. In addition to industrial hygiene and occupational medicine, information is included on behavioral sciences; biochemistry, physiology, and metabolism; toxicology; pathology and histology; chemistry; control technology; education and training; epidemiological studies of diseases and disorders; ergonomics; health physics; safety; biological hazards; and hazardous waste.

About 160 current English language technical journals provide approximately 35% of the additions to NIOSHTIC® annually. Retrospective information, some of which is from the 19th century, is also acquired and entered.

NIOSHTIC® currently contains more than 208,000 records. Each record includes an informative abstract and the title and other bibliographic information to permit retrieval of the complete reference from public or university libraries.

Available Formats: On-line, CD-ROM, computer tape

Copies of the NIOSHTIC® "Core Journal List" and "Documentation Selection Criteria" are available from: NIOSH Publications, 4676 Columbia Parkway (C-13), Cincinnati, OH 45226 (telephone 1-800-356-4674; fax 513-533-8573; e-mail pubstaft@cdc.gov).

NIOSH MANUAL OF ANALYTICAL METHODS (NMAM®)

One function of NIOSH is to develop sampling and analytical methods for monitoring occupational exposures to substances in air and biological samples. These methods are published in the NIOSH Manual of Analytical methods (NMAM®), now in its fourth edition (with supplement). The monitoring methods cover the collection of aerosols, gases, and vapors in air with active samplers (filters, sorbent tubes, impingers) followed by laboratory analysis, as well as with diffusive samplers and direct-reading field instruments.

The fourth edition of the NMAM® currently includes 268 separate methods, some of which cover multiple substances. It also includes chapters discussing several topics of special interest: quality assurance, strategies for sampling airborne substances, application of biological monitoring methods, discussions of some portable direct-reading instrumentation, and sampling and characterization of bioaerosols. Indexes to methods in previous editions of the NMAM® are also provided.

Available Formats: CD-ROM, diskette, printed edition

NIOSH POCKET GUIDE (NPG)

The NIOSH Pocket Guide (NPG) is intended as a source of general industrial hygiene information on several hundred chemicals/classes for workers, employers, and occupational health professionals. The NPG does not contain an analysis of all pertinent data; rather, it presents key information and data in abbreviated tabular form for chemicals or substance groupings (e.g., cyanides, fluorides, manganese compounds.) that are found in the work environment. The industrial hygiene information found in the NPG should help users recognize and control occupational chemical hazards.

The information provides a quick, convenient source of information on general industrial hygiene and medical monitoring practices. The information in the NPG includes chemical structures or formulas, identification codes, synonyms, exposure limits, chemical and physical properties, incompatibilities and reactivities, measurement methods, respirator selections, signs and symptoms of exposure, and procedures for emergency treatment.

Available Formats: CD-ROM, diskette, printed edition

NATIONAL AG SAFETY DATABASE (NASD)

The NIOSH sponsored National Ag Safety Database (NASD) is an extensive collection of information about health, safety and injury prevention in agriculture. The NASD CD-ROM contains over 2,000 agriculture health and safety publications from 25 states, 4 federal agencies and 5 national organizations. The collection includes OSHA and EPA Standards, state agriculture extension office publications, a database of abstracts and ordering information for over 1,400 agriculture safety-related videos, a NIOSH bibliography database with over 500 scientific publications, and a resource directory with contact information for over 1,500 people and organizations involved in agriculture safety and health. The CD-ROM also contains training programs, posters, sample news releases and public service announcement scripts. The information contained in the database was contributed by safety professionals and organizations from across the nation in an effort to promote safety in agriculture. It is the only coordinated source of information available to the agriculture community to meet the unique needs of this neglected group of workers: a lack of critical mass of occupational safety and health (OS&H) experts; large geographical dispersion; lack of central repository of OS&H information resulting in duplication of scarce resources to produce the same materials; and difficulty in quickly accessing this information.

The National Ag Safety Database 1997 release (NASD '97) is available through the National Technical Information Service (PB number 97-503-617), is an upgrade of the previous NASD '95 disk. The new NASD '97 includes virtually everything contained in NASD '95, plus over 1600 new pages of information including documents (784 pages from 213 new documents), 469 new video abstracts and 347 new safety resource directory entries. The CD-ROM includes new retrieval software that runs on Windows 95 and 3.x platforms and is easier to install and use. The CD-ROM can also be used on UNIX and Macintosh systems. The entire database is also available on the NIOSH website (<http://www.cdc.gov/niosh/nasd/nasdhome.html>)

Available Formats: CD-ROM, NIOSH Home Page

CRITERIA DOCUMENTS PLUS CD-ROM

The Criteria Documents Plus CD-ROM contains the full text of all NIOSH Criteria Documents, Current Intelligence Bulletins, and Alerts issued through 1996. This CD-ROM is an image-based application. It was developed by scanning a printed copy of each page of the documents and using optical character recognition (OCR) to create an electronic text of that page. Each page of electronic text was then linked to the actual page image. Full text search capability exists for the electronic text, and you can view and print the image pages.

The CD-ROM comes complete with a printed User's Guide that describes the content and features of the product.

DOCUMENTATION FOR IMMEDIATELY DANGEROUS TO LIFE OR HEALTH CONCENTRATIONS (IDLHs)

The Documentation for Immediately Dangerous to Life or Health Concentrations (IDLHs) is a compilation of the rationale and sources used by NIOSH during the original determination and their subsequent review and revision in 1994. IDLHs were originally determined for 387 substances in the mid-1970's as part of the Standards Completion Program (SCP), a joint project of NIOSH and the Occupational Safety and Health Administration (OSHA), for use as respirator selection criteria. This documentation lists the IDLHs with the basis and references for their current values, as well as the original IDLHs and their documentation (as paraphrased from the SCP draft technical standard).

Available Formats: Diskette (fully searchable), NIOSH Home Page, printed edition

FOR MORE INFORMATION REGARDING THESE DATABASES, INCLUDING SYSTEM REQUIREMENTS AND PRICES, PLEASE CONTACT THE VENDORS LISTED IN THE FOLLOWING

Table Abbreviations are:

CDPlus	= Criteria Documents Plus
IDLH	= Immediately Dangerous to Life or Health Documentation
NASD	= National Ag Safety Disc
NIOSHTIC®	= Occupational Safety and Health Bibliographic Database
NMAM®	= NIOSH Manual of Analytical Methods
NPG	= NIOSH Pocket Guide
RTECS®	= Registry of Toxic Effects of Chemical Substances

NIOSH DATABASES/ELECTRONIC PRODUCTS VENDOR LIST

American Conference of Governmental Industrial Hygienists (ACGIH)
1330 Kemper Meadow Drive
Cincinnati, Ohio 45240
Phone: 513-742-2020
FAX: 513-742-3355
E-mail: ACGIH_Pubs@pol.com
NMAM® on CD-ROM

Canadian Centre for Occupational Health and Safety (CCOHS)
250 Main Street East
Hamilton, Ontario L8N 1H6
CANADA
Phone: 905-570-8094
Toll Free: 1-800-668-4284
(U.S. and Canada only)
FAX: 905-572-2206
E-mail: custserv@ccohs.ca
RTECS® on CD-ROM (CCINFODisc)
NIOSHTIC® on CD-ROM (CCINFODisc)
NMAM® on CD-ROM and diskette
NPG on CD-ROM and diskette

CAS/STN® International
P.O. Box 3012
Columbus, Ohio 43210
Phone: 614-447-3600
Toll Free: 1-800-848-6538
FAX: 614-447-3713
NIOSHTIC® On-Line

Chemical Information System (CIS)
810 Gleneagles Court, Suite 300
Towson, Maryland 21286
Phone: 410-321-8440
Toll Free: 1-800-247-8737
FAX: 410-296-0712
RTECS® On-Line

DataStar®/Knight-Ridder Information, Inc.
2440 W. El Camino Real
Mountain View, California 94040
Phone: 415-254-8800
Toll-free: 1-800-334-2564
RTECS® On-Line

DataStar®/DIALOG® Europe
Knight-Ridder Information, Inc.
Haymarket House, 1 Oxendon Street
London SW1 Y4EE
UNITED KINGDOM
Phone: 011-44-171-930-5503
FAX: 011-44-171-930-2581
RTECS® On-Line

Deutsch Institute für Medizinische
Dokumentation und Information/DIMDI
Weisshausstrasse 27
D50939 Köln, GERMANY
Phone: 49-221-4724252
FAX: 49-221-411429
RTECS® On-Line

DIALOG®/Knight-Ridder Information, Inc.
2440 W. El Camino Real
Mountain View, California 94040
Phone: 415-254-8800
Toll Free: 1-800-334-2564
NIOSTIC® On-Line (File 161)
RTECS® On-Line (File 336)

Industrial Hygiene Services, Inc.
941 Gardenview Office Parkway
St. Louis, Missouri 63141
Phone: 314-993-2397
Toll Free: 1-800-732-3015
FAX: 314-993-3193
E-mail: 74201.1512@compuserve.com
NPG on diskette
IDLH on diskette

TECSA SpA
Via Oratorio 7
20016 Pero (MI), ITALY
ATTN: Carlo Florientini
Phone: 39-2-33-91-04-84
FAX: 39-2-33-91-07-37
NPG on diskette

Micromedex, Inc.
6200 South Syracuse Way, Suite 300
Englewood, Colorado 80111-4740
Phone: 303-486-6400
Toll Free: 1-800-525-9083
FAX: 303-486-6464
E-mail: info@mdx.com
RTECS® on CD-ROM (Environmental H&S Series)
NPG on CD-ROM (Environmental H&S Series)

National Library of Medicine (NLM)
8600 Rockville Pike
Bethesda, Maryland 20894
Phone: 301-496-1131
Toll Free: 1-800-638-8480
FAX: 301-480-3537
NIOSTIC® On-Line (Partial)
(as part of TOXLINE®)
RTECS® On-Line (TOXNET)

National Technical Information
Service (NTIS)
Port Royal Road
Springfield, Virginia 22161
Phone: 703-487-4650
FAX: 703-321-8547
NASD (S/N PB95-503777)
CDPlus (S/N PB97-502082)
IDLH (printed) (S/N PB94-195047)

National Technical Information
Service (NTIS)
ATTN: Computer Products
Springfield, Virginia 22161
Phone: 703-487-4929
FAX: 703-321-8199
Computer tape or electronic text of RTECS®, NIOSTIC®,
NMAM®, NPG, IDLH (all lease only)

SilverPlatter® Information, Ltd.
10 Barley Mow Passage
Chiswick, London W4 4PH
UNITED KINGDOM
Phone: 011-44-081-995-8242
FAX: 011-44-81-995-5159
RTECS® on CD-ROM (CHEM-BANK™)
NIOSTIC® on CD-ROM (OSH-ROM™)

SilverPlatter® Information, Ltd.
100 River Ridge Drive
Norwood, Massachusetts 02062-5026
Phone: 617-769-2599
Toll Free: 1-800-343-0064
FAX: 617-769-8763
RTECS® on CD-ROM (CHEM-BANK™)
NIOSTIC® on CD-ROM (OSH-ROM™)

WindowChem® Software
420-F Executive Court North
Fairfield, California 94585
Phone: 707-864-0845
Toll Free: 1-800-536-0404
FAX: 707-864-2815
E-mail: steve@windowchem.com
NMAM® on diskette

VII. GETTING CONNECTED TO THE NIOSH HOME PAGE

NIOSH has developed a home page located on the World Wide Web (WWW). The Web network consists of files on computers all over the world. WWW documents contain topics that, when selected, connect (link) the user to other documents. It is a hypertext (http) system that allows users to choose words or phrases in a document that cause another document to be retrieved and displayed. You select a link by positioning the mouse cursor over the underlined, boldfaced text. A pointing finger will appear. Press the left mouse button to activate or go to the link.

The NIOSH home page has been established to provide information about NIOSH and related activities. With the click of the mouse, you will be able to browse by subject or category, and find the information and services we provide.

A. *NIOSH Internet Address:*

<http://www.cdc.gov/niosh>

B. *NIOSH Home Page Contents:* The NIOSH

Home Page is continually being revised to meet the needs of customers. The outline below reflects the Home Page as of February 1998.

1. SERVICES

- a. Health Hazard Evaluations
- b. Technical Inquiries
- c. Training

2. PUBLICATIONS (order directly on the home page: <http://www.cdc.gov/niosh/pubs>)

- a. Databases
- b. Documents (by category)
- c. Patents

3. NEWS

- a. What's New
- b. Press Releases, Updates, Federal Register Notices
- c. Meetings

4. RESEARCH

- a. NORA
- b. Selected Topics
- c. Extramural Programs

5. GENERAL INFORMATION

- a. About
- b. Directory
- c. Fellowships, Employment

- C. As a convenience, the NIOSH Home Page also presents links to non-NIOSH sites on topics such as agriculture, child labor, and hearing conservation. NIOSH is not responsible for the information found at these sites and does not necessarily endorse the opinions, products or services mentioned.

WHAT DO I NEED TO DO TO GET CONNECTED TO THE INTERNET?

A. *Connection to the Internet:* You will need one of the following:

1. Computer with modem: A device that allows one computer to connect with another computer over regular telephone lines. Minimum connection speed recommended is 28,800 Kilo bits per second (Kbps); 56,000 Kbps is the fastest analog modem.
2. ISDN telephone line—up to 128,000 Kbps
3. T1/T3 connection—fastest and most costly
4. Web TV

B. *Internet Service Provider:* On-line services providing full access to the Internet; price varies with level of service; can be found in the yellow pages of your telephone book. Examples:

1. America On-Line (AOL)
2. AT&T Worldnet
3. Microsoft Network
4. Sprint
5. MCI
6. GTE Internet
7. UUNET Technologies

C. *Web Browser:* Software that allows an Internet-connected computer to connect to a variety of different types of Internet resources. A web browser is sometimes provided by an Internet service or might be included in a new computer system package. Examples:

1. Netscape Navigator
2. Microsoft Internet Explorer
3. Lynx (text-only web browser)

D. *Search Engine:* Tools to help users find web sites through word searches. Access to these tools is free of charge via the "web."

Examples:

1. Alta Vista - <http://altavista.digital.com>
2. Open Text - <http://www.opentext.com>
3. Web Crawler - <http://webcrawler.com>
4. Yahoo - <http://www.yahoo.com>
5. Lycos - <http://www.lycos.com>
6. HotBot - <http://www.hotbot.com>
7. Infoseek - <http://guide.infoseek.com>
8. Magellan - <http://www.mckinley.com>

It's easy to request publications from **NIOSH**



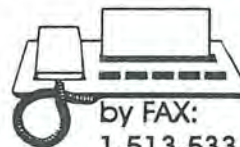
by phone: 1-800-35-NIOSH
(1-800-356-4674)



by mail:
4676 Columbia Parkway
Cincinnati, OH 45226-1998



by e-mail:
pubstaff@cdc.gov



by FAX:
1-513-533-8573
(you can use this form)

Now here's a Website
I can use.

...or visit our Website: <http://www.cdc.gov/niosh>



Please send me the
publication(s)...

Name:

Address:

City:

State:

 Zip:

NTIS Web Site — <http://www.ntis.gov>

SHIP TO ADDRESS (please print or type)

CUSTOMER MASTER NUMBER (IF KNOWN)		DATE
ATTENTION/NAME		
ORGANIZATION	DIVISION / ROOM NUMBER	
STREET ADDRESS		
CITY	STATE	ZIP CODE
PROVINCE / TERRITORY	INTERNATIONAL POSTAL CODE	
COUNTRY		
PHONE NUMBER ()	FAX NUMBER ()	
CONTACT NAME	INTERNET E-MAIL ADDRESS	

METHOD OF PAYMENT (please print or type)

☐ VISA ☐ MasterCard ☐ American Express ☐ Discover

CREDIT CARD NUMBER	EXPIRATION DATE
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CARDHOLDER'S NAME

☐ NTIS Deposit Account Number:

☐ Check / Money Order enclosed for \$ (PAYABLE TO NTIS IN U.S. DOLLARS)

PRODUCT SELECTION (please print or type)

NTIS PRODUCT NUMBER		INTERNAL CUSTOMER ROUTING (OPTIONAL) UP TO 8 CHARACTERS		UNIT PRICE	QUANTITY						INTERNATIONAL AIRMAIL FEES (SEE BELOW)	TOTAL PRICE
					PAPER COPY	MICRO-FICHE	MAGNETIC TAPE *	DISKETTE	CD-ROM	OTHER		
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PLEASE NOTE

Unless microfiche or other is specified, paper copy will be sent.

Please call the Sales Desk at 1-800-553-NTIS (6847) for information on multiple copy discounts available for certain documents.

Out-Of-Print Surcharge

A 25% out-of-print surcharge will be added to titles acquired by NTIS more than three years prior to the current calendar year.

International Airmail Fees

All regular prepaid orders are shipped "air-to-surface" unless airmail is requested. Airmail service is available for an additional fee. Canada and Mexico add \$4 per item. Other countries add \$8 per item.

ORDER BY PHONE (ELIMINATE MAIL TIME)

8:00 a.m. - 8:00 p.m., Eastern Time, M - F.
Sales Desk: 1-800-553-NTIS (6847)
(703) 605-6000

TDD: (703) 605-6043

CUSTOMER SERVICE: (703) 605-6050

ORDER BY FAX

24 hours/7 days a week: (703) 321-8547
To verify receipt of fax call: (703) 605-6090
7:00 a.m. - 5:00 p.m., Eastern Time, M - F.

ORDER BY MAIL

National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161

RUSH SERVICE: available for an additional fee.

NTIS ORDERNOW™ ONLINE

Order the most recent additions to the NTIS collection at NTIS Web site <http://www.ntis.gov/ordernow>.

ORDER VIA E-MAIL

Order via E-mail 24 hours a day.

orders@ntis.fedworld.gov

If concerned about Internet security, you may register your credit card at NTIS. Simply call (703) 605-6070.

BILL ME

(U.S., Canada, and Mexico only.)

NTIS will gladly bill your order, for an additional fee of \$10.00. A request to be billed must be on a purchase order or company letterhead. An authorizing signature, contact name, and telephone number should be included with this request. Requests may be mailed or faxed.

Thank you for your order!

NTIS Price Schedules

NTIS frequently uses price codes to indicate the cost of items sold. The following schedules convert these codes into actual prices.

For Customers *within* the U.S., Canada, and Mexico

Microfiche & Paper Copy Reports

Standard Prices		Out-of-Print Prices	Exception Prices	
A01*	\$6.50	\$8.50	E01	\$14.00
A02*	\$10.00	\$12.50	E02	\$17.00
A03	\$19.50	\$24.50	E03	\$19.00
A04	\$21.50	\$27.00	E04	\$22.50
A05	\$21.50	\$27.00	E05	\$25.00
A06	\$25.00	\$31.50	E06	\$28.00
A07	\$28.00	\$35.00	E07	\$31.50
A08	\$31.00	\$39.00	E08	\$35.00
A09	\$35.00	\$44.00	E09	\$38.50
A10	\$38.00	\$47.50	E10	\$42.00
A11	\$41.00	\$51.50	E11	\$45.00
A12	\$44.00	\$55.00	E12	\$49.50
A13	\$47.00	\$59.00	E13	\$53.00
A14	\$49.00	\$61.50	E14	\$57.00
A15	\$49.00	\$61.50	E15	\$61.50
A16	\$49.00	\$61.50	E16	\$68.00
A17	\$49.00	\$61.50	E17	\$74.00
A18	\$57.00	\$71.50	E18	\$79.00
A19	\$57.00	\$71.50	E19	\$88.00
A20	\$57.00	\$71.50	E20	\$101.00
A21	\$57.00	\$71.50	E99	Contact NTIS
A22	\$67.00	\$84.00		
A23	\$67.00	\$84.00		
A24	\$67.00	\$84.00		
A25	\$67.00	\$84.00		
A99	Contact NTIS			

* A01 for standard microfiche is \$10.00;
\$12.50 for out-of-print microfiche.

* A02 for standard microfiche is \$14.00;
\$17.50 for out-of-print microfiche.

Computer Products

D01	\$60.00	T01	\$195.00
D02	\$97.00	T02	\$265.00
D03	\$152.00	T03	\$395.00
D04	\$212.00	T04	\$525.00
D05	\$272.00	T05	\$645.00
D06	\$322.00	T06	\$775.00
D07	\$392.00	T07	\$895.00
D08	\$442.00	T08	\$1,025.00
D09	\$492.00	T09	\$1,145.00
D10	\$562.00	T10	\$1,265.00
D11	\$612.00	T11	\$1,385.00
D12	\$682.00	T12	\$1,515.00
D13	\$742.00	T13	\$1,635.00
D14	\$802.00	T14	\$1,765.00
D15	\$852.00	T15	\$1,895.00
D16	\$902.00	T16	\$2,015.00
D17	\$962.00	T17	\$2,125.00
D18	\$1,022.00	T18	\$2,265.00
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D99	Contact NTIS	T99	Contact NTIS

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Standard Prices		Out-of-Print Prices	Exception Prices	
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A03	\$39.00	\$43.00	E03	\$38.00
A04	\$43.00	\$47.50	E04	\$45.00
A05	\$43.00	\$47.50	E05	\$50.00
A06	\$50.00	\$55.00	E06	\$56.00
A07	\$56.00	\$62.00	E07	\$63.00
A08	\$62.00	\$69.00	E08	\$70.00
A09	\$70.00	\$77.00	E09	\$77.00
A10	\$76.00	\$84.00	E10	\$84.00
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A12	\$88.00	\$97.00	E12	\$99.00
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A14	\$98.00	\$108.00	E14	\$114.00
A15	\$98.00	\$108.00	E15	\$123.00
A16	\$98.00	\$108.00	E16	\$136.00
A17	\$98.00	\$108.00	E17	\$148.00
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A19	\$114.00	\$125.50	E19	\$176.00
A20	\$114.00	\$125.50	E20	\$202.00
A21	\$114.00	\$125.50	E99	Contact NTIS
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A23	\$134.00	\$147.50		
A24	\$134.00	\$147.50		
A25	\$134.00	\$147.50		
A99	Contact NTIS			

* A01 for standard microfiche is \$20.00;
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* A02 for standard microfiche is \$28.00;
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D12	\$1,364.00	T12	\$3,030.00
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