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15. Supplementary Notes			
16. Abstract (Limit: 200 words) The contracts which NIOSH had let were discussed in this booklet along with interagency agreements and foreign currency arrangements. The contracts covered research in the following fields: agriculture, industrywide studies, laboratory studies (behavioral and motivational factors, engineering, physical agents, physical and chemical analysis, physiology and ergonomics, and toxicology), laboratory services, manpower development, mining, occupational carcinogenesis, occupational health programs, policy direction and administrative support, safety, standards development, surveillance, and technical services. Types of work being carried out under interagency agreements were described. Research projects being conducted with foreign countries were listed for India, Egypt, Poland, and Yugoslavia.			
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b. Identifiers/Open-Ended Terms NIOSH-Publication, Occupational-health-programs, Industrial-health-programs, Industrial-safety-programs, Occupational-safety-programs, Worker-health, Safety-research, Medical-research			
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DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE
CENTER FOR DISEASE CONTROL

NATIONAL INSTITUTE FOR OCCUPATIONAL
SAFETY AND HEALTH
5600 FISHERS LANE
ROCKVILLE, MARYLAND 20852

FOREWORD

The responsibilities of the National Institute for Occupational Safety and Health were established by the Federal Coal Mine Health and Safety Act of 1969 and the Occupational Safety and Health Act of 1970. One of the Institute's major responsibilities under these Acts is the conduct of research necessary to ensure, insofar as possible, that no worker will suffer diminished health, reduced functional capacity, or decreased life expectancy as a result of his or her work experience.

The Institute conducts its programs through in-house projects, grants, contracts, agreements with other Federal agencies, and through special foreign currency arrangements with other countries (P.L. 83-480). This publication describes the Institute's contracts, P.L. 480 agreements, and interagency agreements which were active as of November 1974 or were not previously reported. The Institute has published separately a list of its active grants as well as a list of current in-house projects.

Section I lists the Institute's contracts. The contracts included in this publication were awarded to companies and institutions spread over 29 States. "Funds to Date" in this section and the other two sections refer to the total funds obligated to the contract or agreement over the entire period of the contract or agreement.

Section II lists the Institute's interagency agreements. These are agreements for work to be done for NIOSH by another Federal agency or by NIOSH for another Federal agency.

Section III lists the Institute's special foreign currency arrangements with foreign countries (P.L. 480). This program is supported in designated countries by U.S. owned foreign currencies which have been determined by the Department of the Treasury to be in excess of normal U.S. needs in those countries. Since these foreign currencies were obtained through the sale of agricultural products and must be used in the foreign countries involved, there is no appropriated NIOSH dollar outflow from the U.S. in connection with this program.

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In the utilization and analysis of material from this listing, one must be particularly cautious since the material covered in this list is constantly changing and the document is therefore time dated. For this reason, revised versions will be prepared from time to time throughout the year.

For further information, interested parties should contact the National Institute for Occupational Safety and Health, Office of Planning and Resource Management, Room 3-32, 5600 Fishers Lane, Rockville, Maryland 20852.

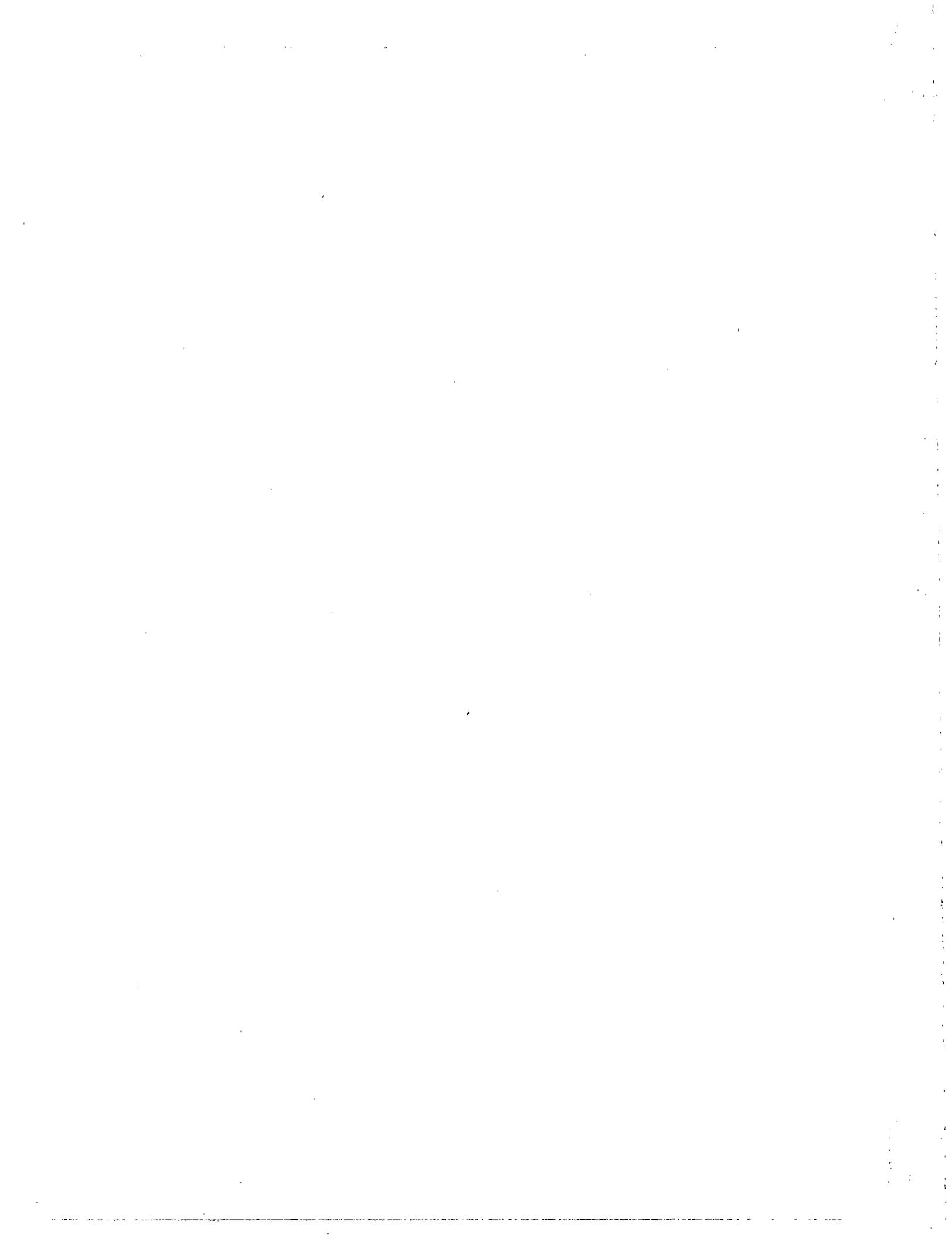


Edward J. Baier
Acting Director, NIOSH

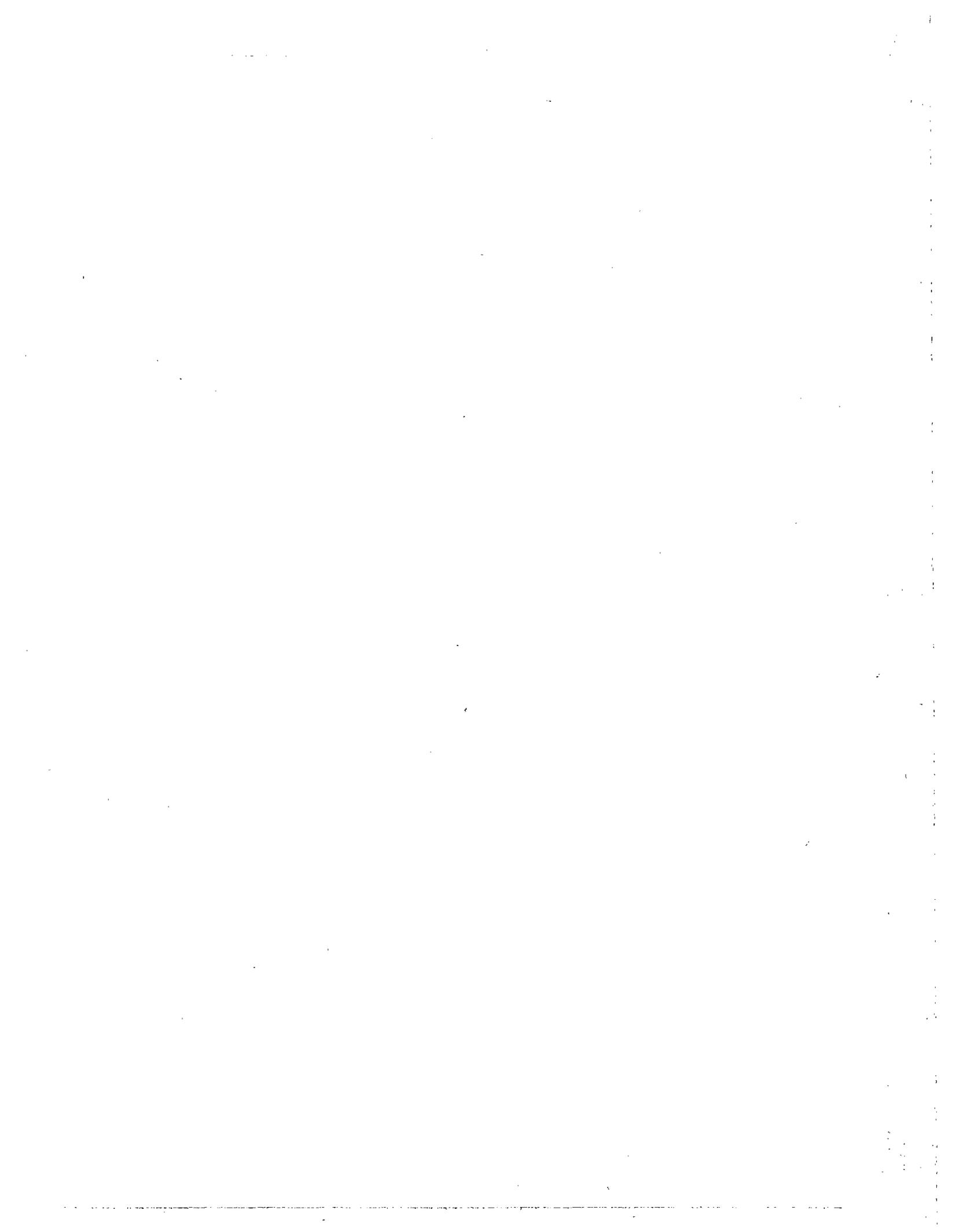
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SECTION I - CONTRACTS



INDEX BY CONTRACT NUMBER

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SUMMARY OF CONTRACTS BY PROGRAM AREA

<u>Program</u>	<u>Number</u>	<u>FY 74 Funding</u>
Agriculture.....	2	\$ 553,250
Industrywide Studies.....	12	437,081
Laboratory Research		
Behavioral and Motivational Factors.....	9	730,529
Engineering.....	8	429,166
Physical Agents.....	5	198,433
Physical and Chemical Analysis.....	3	206,275
Physiology and Ergonomics.....	8	531,854
Toxicology.....	9	288,206
Laboratory Services.....	5	208,491
Manpower Development.....	7	445,901
Mining.....	29	1,934,053
Occupational Carcinogenesis.....	2	163,329
Occupational Health Programs.....	8	666,508
Policy Direction and Administrative Support.....	3	98,714
Safety.....	9	719,172
Standards Development.....	17	3,085,208
Surveillance.....	6	579,040
Technical Services.....	<u>11</u>	<u>420,606</u>
 TOTAL	 153	 \$11,695,816

SUMMARY OF CONTRACTS BY STATE

<u>State</u>	<u>Number</u>	<u>FY 74 Funding</u>
Alabama.....	1	\$ 0
California.....	20	3,220,415
Colorado.....	2	23,025
Connecticut.....	3	62,182
District of Columbia.....	2	1,299,560
Florida.....	3	117,319
Idaho.....	1	124,233
Illinois.....	12	745,196
Georgia.....	1	28,125
Kentucky.....	2	112,700
Maryland.....	12	263,417
Massachusetts.....	9	899,624
Michigan.....	7	192,417
Minnesota.....	2	0
Missouri.....	2	136,316
New Jersey.....	2	66,275
New Mexico.....	1	0
New York.....	12	648,521
North Carolina.....	4	395,378
Ohio.....	13	295,201
Oklahoma.....	1	0
Pennsylvania.....	12	794,218
Tennessee.....	1	144,160
Texas.....	5	406,528
Utah.....	6	789,014
Virginia.....	5	265,421
Washington.....	5	218,186
Wisconsin.....	2	43,300
West Virginia.....	5	405,085

* ACTIVE NIOSH CONTRACTS *

---AGRICULTURE---

*** CONTRACT CDC-99-74-98
CONTRACT PERIOD 06/25/74 - 09/30/75
FUNDS TO DATE \$6,000
FY 74 FUNDING \$6,000
PROJECT OFFICER Robert L. Peterson
TITLE Publication of the Proceedings of an Agricultural Health Conference
ABSTRACT Conduct and publish the proceedings of a conference entitled, "Agricultural Health and Safety Conference" on September 4-5, 1974, in Iowa which will cover health problems associated with agriculture and agriculture related industries.
CONTRACTOR Society for Occupational and Environmental Health
New York, New York
CONTRACT DIRECTOR Harry Heimann

*** CONTRACT CDC-99-74-110
CONTRACT PERIOD 06/26/74 - 06/25/75
FUNDS TO DATE \$547,250
FY 74 FUNDING \$547,250
PROJECT OFFICER Robert L. Peterson
TITLE Management and Operation of an Agricultural Occupational Safety and Health Program and an Analytical Services Laboratory
ABSTRACT Provide for the management, operation, and maintenance of a comprehensive agricultural research program at NIOSH's Salt Lake City facility, and also manage and operate an analytical services laboratory there.
CONTRACTOR University of Utah Research Institute
Salt Lake City, Utah
CONTRACT DIRECTOR Reed B. Harker

---INDUSTRYWIDE STUDIES---

*** CONTRACT HSM-99-72-058
CONTRACT PERIOD 06/15/72 - 06/14/75
FUNDS TO DATE \$117,276
FY 74 FUNDING \$0
PROJECT OFFICER Joseph K. Wagoner
TITLE Effect of Physical Activity on Risk of Fatal Chronic Diseases
ABSTRACT Determine whether and to what extent physical activity tends to prevent or defer death from specific chronic diseases.
CONTRACTOR California State Department of Public Health
Berkeley, California
CONTRACT DIRECTOR R. S. Paffenbarger

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT HSM-99-72-134
CONTRACT PERIOD 06/30/72 - 06/29/75
FUNDS TO DATE \$133,624
FY 74 FUNDING \$0
PROJECT OFFICER Victor E. Archer
TITLE Study of Respiratory Morbidity in Smelter
Workers
ABSTRACT Study workers employed at the Kennecott Copper
Smelter near Salt Lake City, Utah including
spirometry, questionnaires and other appropriate
medical examinations to determine acute and
chronic effects of sulfur oxides at levels which
are near and somewhat above those of current
permissible levels.
CONTRACTOR The University of Utah
Salt Lake City, Utah
CONTRACT DIRECTOR C. Hilmon Castle

*** CONTRACT HSM-99-73-003
CONTRACT PERIOD 10/16/72 - 10/15/78
FUNDS TO DATE \$213,376
FY 74 FUNDING \$21,033
PROJECT OFFICER Joseph K. Wagoner
TITLE Effects of Trace Anesthetics on Health
ABSTRACT Document the cause and magnitude of the effects of trace
anesthetics on health--specifically teratogenesis and more
generally spontaneous abortion--by means of a survey of
all members of the American Society of Anesthesiologists,
the American Association of Nurse Anesthetists, and the
Association of Operating Room Nurses along with a suitable
control group.
CONTRACTOR American Society of Anesthesiologists
Park Ridge, Illinois
CONTRACT DIRECTOR Ellis N. Cohen

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT HSM-99-73-49
CONTRACT PERIOD 6/30/73 - 4/29/75
FUNDS TO DATE \$84,014
FY 74 FUNDING \$0
PROJECT OFFICER Harry M. Donaldson and Joseph S. Mallow
TITLE Beryllium Case Registry
ABSTRACT Review contact with all living cases on the Beryllium Case Registry in 1973 either directly or through their physician on the course of the disease or possibly associated medical complications. Continue to add to the Registry and periodically submit to NIOSH pertinent clinical and occupational data regarding new cases of beryllium disease so that appropriate NIOSH environmental investigations can be implemented.
CONTRACTOR Massachusetts General Hospital
Boston, Massachusetts
CONTRACT DIRECTOR Homayoun Kazemi

*** CONTRACT HSM-99-73-86
CONTRACT PERIOD 6/30/73 - 12/31/74
FUNDS TO DATE \$170,797
FY 74 FUNDING \$0
PROJECT OFFICER Victor E. Archer
TITLE Morbidity Study of Aluminum Reduction Workers
ABSTRACT Determine the prevalence of chronic respiratory disease among workers in representative aluminum reduction plant operations compared to an appropriate control group. Also, determine the prevalence of elevated urine fluoride levels in representative operations.
CONTRACTOR University of Washington
Seattle, Washington
CONTRACT DIRECTOR David P. Discher

*** CONTRACT CDC-99-74-2
CONTRACT PERIOD 11/07/73 - 05/31/74
FUNDS TO DATE \$5,000
FY 74 FUNDING \$5,000
PROJECT OFFICER Theodore F. Schoenborn
TITLE Publication of Conference Proceedings
ABSTRACT Conduct and publish the results of a conference entitled, "International Shipyard Health Conference," to be held December 13-15, 1973.
CONTRACTOR Society for Occupational and Environmental Health
New York, New York
CONTRACT DIRECTOR Irving J. Selikoff

* ACTIVE NIOSH CONTRACTS *

CONTRACT CDC-99-74-5
CONTRACT PERIOD 11/01/73 - 10/31/76
FUNDS TO DATE \$60,745
FY 74 FUNDING \$60,745
PROJECT OFFICER Victor E. Archer
TITLE Environmental Sampling at a Copper Smelter
ABSTRACT Provide environmental data which can be matched with respiratory function data of copper smelter workers in such a way that the dose received from acute and chronic exposures may be evaluated against observed changes in health.
CONTRACTOR University of Utah
Salt Lake City, Utah
CONTRACT DIRECTOR C. Hilmon Castle

CONTRACT CDC-99-74-8
CONTRACT PERIOD 02/01/74 - 01/31/75
FUNDS TO DATE \$52,478
FY 74 FUNDING \$52,478
PROJECT OFFICER Philip J. Bierbaum
TITLE Comparison of Personal Sample Collection Methods with AEC Sample Collection Method in a Beryllium Production Facility
ABSTRACT In a beryllium production facility, compare three methods for sampling airborne beryllium: the personal respirable method, the personal gross method, and the Atomic Energy Commission method.
CONTRACTOR Brush Wellman, Inc.
Cleveland, Ohio
CONTRACT DIRECTOR Phillip Wilson

CONTRACT CDC-99-74-84
CONTRACT PERIOD 06/26/74 - 06/17/75
FUNDS TO DATE \$155,000
FY 74 FUNDING \$155,000
PROJECT OFFICER Richard J. Waxweiler
TITLE General Computer Services
ABSTRACT Provide systems design, programming, and computer support services to the NIOSH Division of Field Study and Clinical Investigations in Cincinnati, Ohio.
CONTRACTOR University of Cincinnati
Cincinnati, Ohio
CONTRACT DIRECTOR Robert R. Caster

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT CDC-99-74-101
CONTRACT PERIOD 06/26/74 - 06/25/75
FUNDS TO DATE \$99,700
FY 74 FUNDING \$99,700
PROJECT OFFICER Victor E. Archer
TITLE General Computer Services for NIOSH Western Area Activities
ABSTRACT Provide data processing services, including data collection, for a variety of epidemiological activities, for the NIOSH Division of Field Studies and Clinical Investigations' western operations.
CONTRACTOR University of Utah
Salt Lake City, Utah
CONTRACT DIRECTOR Harold Carpenter

*** CONTRACT CDC-99-74-108
CONTRACT PERIOD 06/30/74 - 06/29/75
FUNDS TO DATE \$15,000
FY 74 FUNDING \$15,000
PROJECT OFFICER Victor E. Archer
TITLE Sputum Cytology Services
ABSTRACT Provide for the processing, examination, and interpretation of sputum samples provided by NIOSH.
CONTRACTOR St. Mary's Hospital
Grand Junction, Colorado
CONTRACT DIRECTOR Geno Saccomando

*** CONTRACT CDC-99-74-109
CONTRACT PERIOD 06/26/74 - 06/25/75
FUNDS TO DATE \$28,125
FY 74 FUNDING \$28,125
PROJECT OFFICER Victor E. Archer
TITLE Case Location Services
ABSTRACT Locate approximately 1,500 persons who are a part of various groups under an epidemiological study on approximately 20 different occupational groups.
CONTRACTOR Retail Credit Company
Atlanta, Georgia
CONTRACT DIRECTOR Robert A. Wieman

* ACTIVE NIOSH CONTRACTS *

---LABORATORY RESEARCH---

---LABORATORY RESEARCH (BEHAVIORAL AND MOTIVATIONAL FACTORS)---

*** CONTRACT HSM-99-72-061
CONTRACT PERIOD 06/15/72 - 12/29/74
FUNDS TO DATE \$268,667
PY 74 FUNDING \$0
PROJECT OFFICER William Kroes & Alexander Cohen
TITLE Job Demands and Worker Health
ABSTRACT Determine the relationship between the psychological stress resulting from one's work and the physical and mental health of the worker.
CONTRACTOR University of Michigan
Institute for Social Research
Ann Arbor, Michigan
CONTRACT DIRECTOR Cobb & French

*** CONTRACT HSM-99-73-35
CONTRACT PERIOD 6/25/73 - 12/24/74
FUNDS TO DATE \$104,398
PY 74 FUNDING \$0
PROJECT OFFICER Charles Xintaras
TITLE Behavioral and Neurological Evaluation of Workers Exposed to Industrial Solvents
ABSTRACT Prepare a review of the scientific literature on carbon disulfide and tetrachloroethylene (perchloroethylene), select and apply a test battery for the detection of the neurotoxic effects of exposure to the solvents to a sample of workers, and correlate the worker's behavioral and neurological data with indices of ambient exposure, body burden and accidents and illnesses as noted in their occupational health and safety records.
CONTRACTOR Westinghouse Management Services, Inc.
Columbia, Maryland
CONTRACT DIRECTOR Douglas Neil and Craig B. Grether

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT HSM-99-73-60
CONTRACT PERIOD 6/30/73 - 6/30/75
FUNDS TO DATE \$68,438
PY 74 FUNDING \$0
PROJECT OFFICER Barry L. Johnson
TITLE Review and Critique of Behavioral/Neuro-
physiological Methods used in Soviet
Union Toxicity Testing
ABSTRACT Review and critique original Soviet scientific
literature concerning the use of behavioral/
neurophysiological methods in toxicity testing
programs in the Soviet Union.
CONTRACTOR New Mexico State University
Las Cruces, New Mexico
CONTRACT DIRECTOR Warren H. Teichner

*** CONTRACT HSM-99-73-61
CONTRACT PERIOD 06/30/73 - 03/29/75
FUNDS TO DATE \$149,042
PY 74 FUNDING \$0
PROJECT OFFICER William H. Kroes
TITLE Implementation of Psychological-Behavioral
Strategies for Accident Control
ABSTRACT Implement and field test various
psychological-behavioral strategies for
accident control to enable plant safety
personnel to suitably assess high accident
jobs from the standpoint of human factor
elements and select an appropriate control
strategy. The selected strategies will be
implemented in three high accident work
settings to determine their effectiveness.
CONTRACTOR Westinghouse Electric Corporation
Columbia, Maryland
CONTRACT DIRECTOR Craig B. Grether

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT CDC-99-74-20
CONTRACT PERIOD 06/26/74 - 06/25/75
FUNDS TO DATE \$112,700
PY 74 FUNDING \$112,700
PROJECT OFFICER Barry L. Johnson
TITLE Behavioral and Neurological Evaluation of Workers
Exposed to Industrial Solvents: Methyl Chloride
ABSTRACT Identify behavioral and neurological changes associated
with chronic exposure of workers to low levels of the
industrial solvent methyl chloride and examine the
usefulness of these measures as early warning indicators
of potential adverse effects on worker safety and
health through the following steps: review relevant
literature, select a behavioral/neurological test
battery, design of medical examination procedure,
worker and plant selection, and analysis of data.
CONTRACTOR University of Louisville Foundation
Louisville, Kentucky
CONTRACT DIRECTOR John Repko

*** CONTRACT CDC-99-74-21
CONTRACT PERIOD 06/27/74 - 09/26/75
FUNDS TO DATE \$173,600
PY 74 FUNDING \$173,600
PROJECT OFFICER Charles Xintaras
TITLE Irritant Effects of Industrial Chemicals: Formaldehyde
and Acetone
ABSTRACT In three medium size synthetic garment plants and in three
medium size plastic manufacturing plants, where formaldehyde
and acetone are used or found evaluate work conditions and
work practices, evaluate subjective and objective measures
of eye-irritation and changes in visual function, determine
the airborne levels of chemical irritants, and determine dose-
response relationships and interactions of the chemical
irritants.
CONTRACTOR Pacific Environmental Services
Santa Monica, California
CONTRACT DIRECTOR Lowell G. Wayne

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT CDC-99-74-41
CONTRACT PERIOD 06/27/74 - 09/26/75
FUNDS TO DATE \$68,500
FY 74 FUNDING \$68,500
PROJECT OFFICER Barry L. Johnson
TITLE Trace Effects of Anesthetic Gases on Behavioral
Performance of Operating Room Personnel
ABSTRACT Conduct a thorough review of the scientific literature
concerning the effects of anesthetic gases on human
performance capabilities; conduct a laboratory involving
human exposure to halothane and nitrous oxide; and
develop and administer to the subjects a behavioral
performance battery of tests.
CONTRACTOR Northwestern University
Evanston, Illinois
CONTRACT DIRECTOR David L. Bruce

*** CONTRACT CDC-99-74-42
CONTRACT PERIOD 06/18/74 - 12/17/76
FUNDS TO DATE \$231,569
FY 74 FUNDING \$231,569
PROJECT OFFICER William Kroes
TITLE Psychological Job Stress and Coronary Heart Disease
ABSTRACT Conduct longitudinal studies using 400 male subjects
within a company to demonstrate the causal role of
psychological job stress in the etiology of coronary
heart disease and to understand processes of
selection into, and adaptation to, potentially stressful
jobs.
CONTRACTOR Stanford Research Institute
Menlo Park, California
CONTRACT DIRECTOR Joseph H. Chadwick

*** CONTRACT CDC-99-74-60
CONTRACT PERIOD 06/19/74 - 06/18/75
FUNDS TO DATE \$144,160
FY 74 FUNDING \$144,160
PROJECT OFFICER William Kroes
TITLE Data Base for Psychological Job Stress and Health
ABSTRACT Ascertain prevalence of health problems resulting
from psychological job stress factors by means of
a retrospective study of morbidity records for
workers employed in all major occupations in
Tennessee.
CONTRACTOR Tennessee Department of Mental Health
Nashville, Tennessee
CONTRACT DIRECTOR Wayne Richards

* ACTIVE NIOSH CONTRACTS *

---LABORATORY RESEARCH (ENGINEERING)---

*** CONTRACT HSM-99-73-1(7)
CONTRACT PERIOD 06/07/74 - 01/31/75
FUNDS TO DATE \$27,306
FY 74 FUNDING \$27,306
PROJECT OFFICER Charles McCammon
TITLE Evaluation of Portable Direct Reading NO-NO(x) Meters
ABSTRACT Determine performance capabilities and limitations of commercially available NO-NO(x) meters, determine the best techniques for the use of such instruments in a field sampling situation, and develop a recommended set of performance standards for the instruments.
CONTRACTOR Research Triangle Institute
Research Triangle Park, North Carolina
CONTRACT DIRECTOR C.D. Parker

*** CONTRACT HSM-99-73-1(6)
CONTRACT PERIOD 06/07/74 - 01/31/75
FUNDS TO DATE \$23,522
FY 74 FUNDING \$23,522
PROJECT OFFICER Charles McCammon
TITLE Evaluation of Portable Direct Reading Ozone Meters
ABSTRACT Determine performance capabilities and limitations of commercially available ozone meters, determine the best techniques for the use of such instruments in a field sampling situation, and develop a recommended set of performance standards for the instruments.
CONTRACTOR Research Triangle Institute
Research Triangle Park, North Carolina
CONTRACT DIRECTOR C.D. Parker

*** CONTRACT CDC-99-74-6
CONTRACT PERIOD 12/04/73 - 07/31/74
FUNDS TO DATE \$18,392
FY 74 FUNDING \$18,392
PROJECT OFFICER Bruce P. Almich
TITLE Development of an Electrostatic Particulate Meter
ABSTRACT Design, fabricate, and test an electrostatic particulate meter that will give instantaneous real time readings which would indicate peak exposure levels, time-averaged readings to indicate a time-weighted average exposure level, and time integrated readings to indicate total particulate area over the same time as the time-averaged reading.
CONTRACTOR Teknekron
Berkeley, California
CONTRACT DIRECTOR David L. Pain

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT CDC-99-74-75
CONTRACT PERIOD 06/26/74 - 03/25/75
FUNDS TO DATE \$78,000
FY 74 FUNDING \$78,000
PROJECT OFFICER Nelson A. Leidel
TITLE Sequential Sampling Plans and Decision Theory for
Employer Monitoring of Employee Exposures to
Industrial Atmospheres
ABSTRACT Adapt and develop appropriate theory of and statistical
estimation, inference, and quality control and develop
a statistical sampling and data analysis procedures
for periodic employer monitoring of employee exposure
to contaminated air in work environments.
CONTRACTOR Systems Control, Inc.
Palo Alto, California
CONTRACT DIRECTOR Yaakov Bar-Shalom

*** CONTRACT CDC-99-74-86
CONTRACT PERIOD 05/14/74 - 05/13/75
FUNDS TO DATE \$75,600
FY 74 FUNDING \$75,600
PROJECT OFFICER Robert T. Hughes
TITLE Development of Criteria for the Control of Cutting and
Cooling Fluid Mists
ABSTRACT Develop ventilation design criteria for the control of
petroleum based cutting fluid mists and vapors generated
by machining and forming processes.
CONTRACTOR Southwest Research Institute
San Antonio, Texas
CONTRACT DIRECTOR William J. Astleford

*** CONTRACT CDC-99-74-88
CONTRACT PERIOD 06/19/74 - 12/18/74
FUNDS TO DATE \$84,056
FY 74 FUNDING \$84,056
PROJECT OFFICER Alan K. Gudeman
TITLE Determination of Respirator Filtering Requirements
in a Coke Oven Atmosphere
ABSTRACT Perform measurements to determine the effectiveness of
approved respirator filters in removing the airborne
particulates generated by the production of coke and
also perform measurements to determine the quantity
and nature of gases and vapors present in coke oven
emissions.
CONTRACTOR MSA Research Corporation
Pittsburgh, Pennsylvania
CONTRACT DIRECTOR S.J. Rogers

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT CDC-99-74-96
CONTRACT PERIOD 06/27/74 - 06/26/75
FUNDS TO DATE \$64,685
FY 74 FUNDING \$64,685
PROJECT OFFICER Robert T. Hughes
TITLE Development of Criteria for the Recirculation of Exhaust Air
ABSTRACT Develop criteria for the recirculation of exhaust air from industrial processes such that the contaminant level anywhere in the workplace does not exceed the level specified in the 1973 American Conference of Governmental Industrial Hygienists Threshold Limit Values.
CONTRACTOR Southwest Research Institute
San Antonio, Texas
CONTRACT DIRECTOR W.J. Astleford

*** CONTRACT CDC-99-74-97
CONTRACT PERIOD 06/11/74 - 06/10/75
FUNDS TO DATE \$57,605
FY 74 FUNDING \$57,605
PROJECT OFFICER Charles S. McCammon
TITLE Development of a Portable Direct-Reading Instrument for Phosphorus Gases and Vapors
ABSTRACT Develop a portable direct-reading instrument for phosphorus gases and vapors in order to detect these substances instantly in the field to detect problems immediately.
CONTRACTOR Bendix Research Laboratories
Southfield, Michigan
CONTRACT DIRECTOR J. Daniel Bode

---LABORATORY RESEARCH (PHYSICAL AGENTS)---

*** CONTRACT RSM-99-73-22
CONTRACT PERIOD 4/1/73 - 05/31/75
FUNDS TO DATE \$77,679
FY 74 FUNDING \$0
PROJECT OFFICER Alexander Cohen
TITLE Effects of Noise on Nonauditory Sensory Functions and Performance
ABSTRACT To evaluate key measures of visual, tactile, thermal, kinesthetic and vestibular sensory functions and sensibilities as they may be affected by exposures to industrial-type noises; and to examine aspects of response accommodation.
CONTRACTOR University of Louisville Foundation, Inc.
Louisville, Kentucky
CONTRACT DIRECTOR Ben B. Morgan, Jr.

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT CDC-99-74-12
CONTRACT PERIOD 04/08/74 - 04/07/76
FUNDS TO DATE \$83,000
FY 74 FUNDING \$83,000
PROJECT OFFICER Wordie R. Parr
TITLE UV Ocular Effects
ABSTRACT Establish the ocular effects of ultraviolet radiation in the 300 nm to 400 nm wave band range and provide data from which valid protective criteria and effective standards in this wave band range will be established.
CONTRACTOR University of Houston
Houston, Texas
CONTRACT DIRECTOR Donald G. Pitts

*** CONTRACT CDC-99-74-15
CONTRACT PERIOD 06/05/74 - 12/04/75
FUNDS TO DATE \$56,333
FY 74 FUNDING \$56,333
PROJECT OFFICER Edwin L. Sensintaffar
TITLE Improvement of Field Instruments for Ultraviolet Radiation Monitoring
ABSTRACT Design an ultraviolet radiation survey instrument with weighted response, produce five such instruments for field evaluation, and perform maintenance and minor modifications for all of the instruments during a six months testing phase.
CONTRACTOR Kuras-Alterman Corporation
Fairfield, New Jersey
CONTRACT DIRECTOR Lowell Williams

*** CONTRACT CDC-99-74-28
CONTRACT PERIOD 04/16/74 - 02/15/75
FUNDS TO DATE \$37,550
FY 74 FUNDING \$37,550
PROJECT OFFICER Alexander Cohen
TITLE Determining Effects of a Company Hearing Conservation Program on Noise Related Extra-Auditory Disturbances in Workers
ABSTRACT Compare, within a given company, accidents; absenteeism; and medical problem entries in records of groups of workers, matched in age company experience, who have labored for specifiable years under high level noise and quieter working conditions both before and after the advent of a hearing conservation program, featuring personal ear protection as the primary means of reducing individual noise exposure.
CONTRACTOR Raytheon Service Company
Burlington, Massachusetts
CONTRACT DIRECTOR Peter Conroy

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT CDC-99-74-63
CONTRACT PERIOD 06/27/74 - 03/26/75
FUNDS TO DATE \$21,550
FY 74 FUNDING \$21,550
PROJECT OFFICER Terry Henderson
TITLE Human Subjects Test for Determining Ear Protector Effectiveness in Preventing Noise Induced Hearing Loss
ABSTRACT Develop a method to measure the attenuation of ear protectors in the field in order to verify that workers are actually receiving the expected protection.
CONTRACTOR Pennsylvania State University
University Park, Pennsylvania
CONTRACT DIRECTOR Paul L. Michael

---LABORATORY RESEARCH (PHYSICAL AND CHEMICAL ANALYSIS)---

*** CONTRACT CDC-99-74-39
CONTRACT PERIOD 06/27/74 - 10/26/74
FUNDS TO DATE \$26,781
FY 74 FUNDING \$26,781
PROJECT OFFICER Alexander W. Teass
TITLE Subfractionation of Coal Tar Neutral Fraction
ABSTRACT Subfractionate the neutral fraction of coal tar in sufficient quantity for tumorigenic testing and subsequent component identification.
CONTRACTOR IIT Research Institute
Chicago, Illinois
CONTRACT DIRECTOR Edward G. Fochtman

*** CONTRACT CDC-99-74-48
CONTRACT PERIOD 06/18/74 - 06/17/75
FUNDS TO DATE \$93,450
FY 74 FUNDING \$93,450
PROJECT OFFICER Janet Haartz
TITLE Determination of Trace Metals by Atomic Absorption Spectrophotometry
ABSTRACT Provide for the complete testing of the NIOSH method for the determination of trace metals by direct aspiration atomic absorption spectrophotometry.
CONTRACTOR IIT Research Institute
Chicago, Illinois
CONTRACT DIRECTOR Gale E. Marks

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT CDC-99-74-51
CONTRACT PERIOD 06/26/74 - 06/25/75
FUNDS TO DATE \$86,044
PY 74 FUNDING \$86,044
PROJECT OFFICER Janet Haartz
TITLE Evaluation Testing of the NIOSH X-ray Diffraction Method
for the Determination of Free Silica
ABSTRACT Evaluate and revise as necessary the NIOSH X-ray diffraction
method for the determination of free silica and then test
the revised method.
CONTRACTOR Arthur D. Little, Inc.
Cambridge, Massachusetts
CONTRACT DIRECTOR Edward T. Peters

---LABORATORY RESEARCH (PHYSIOLOGY AND ERGONOMICS)---

*** CONTRACT HSM-99-72-045
CONTRACT PERIOD 06/30/72 - 10/31/74
FUNDS TO DATE \$108,620
PY 74 FUNDING \$0
PROJECT OFFICER Francis N. Dukes - Dobos
TITLE Assessment of Deep-body Temperature of Workers in
Hot Jobs
ABSTRACT Establish the Neutral Boundary of the rectal
temperature curve and its slope in the Environment
Driven Zone of different worker populations. If
necessary adjust the heat stress standards in
accordance with the findings of this study.
CONTRACTOR University of Alabama
Birmingham, Alabama
CONTRACT DIRECTOR John M. Miller

*** CONTRACT HSM-99-72-070
CONTRACT PERIOD 05/15/72 - 06/13/75
FUNDS TO DATE \$59,455
PY 74 FUNDING \$0
PROJECT OFFICER Francis N. Dukes-Dobos
TITLE Methodology for Assessing the Metabolic Heat
Generated by Physical Work
ABSTRACT Determine which of the simple measurable
physiological responses (one or several in
certain combinations) could be used for the
assessment of the metabolic heat generated by
workers in hot jobs.
CONTRACTOR The Pennsylvania State University
University Park, Pennsylvania
CONTRACT DIRECTOR E. R. Buskirk

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT CDC-99-74-9
CONTRACT PERIOD 02/15/74 - 10/15/74
FUNDS TO DATE \$8,000
FY 74 FUNDING \$8,000
PROJECT OFFICER Donald Badger
TITLE A Theoretical Model of Human Postural Stability
ABSTRACT Develop an operational program for computation of a model of human stability associated with materials handling. Diagrams of static stability limits and of perturbed stability limits for a variety of loads and types of individuals will also be provided.
CONTRACTOR Dr. Harvey P. Yagoda
Hartford, Connecticut
CONTRACT DIRECTOR Harvey P. Yagoda

*** CONTRACT CDC-99-74-22
CONTRACT PERIOD 06/12/74 - 12/11/75
FUNDS TO DATE \$81,950
FY 74 FUNDING \$81,950
PROJECT OFFICER Donald E. Wasserman
TITLE Relationship Between Occupational Vibration and Morbidity Patterns Among Workers Exposed to Occupational Vibration
ABSTRACT Conduct a retrospective study of morbidity patterns of both past and present workers in the truck driving industry definitely shown to have been exposed to whole body vibration.
CONTRACTOR Southwest Research Institute
San Antonio, Texas
CONTRACT DIRECTOR George Gruber

*** CONTRACT CDC-99-74-57
CONTRACT PERIOD 06/26/74 - 12/24/75
FUNDS TO DATE \$137,600
FY 74 FUNDING \$137,600
PROJECT OFFICER Donald W. Badger
TITLE Biodynamics of Sagittal Plane Lifting and Materials Handling
ABSTRACT Study the utilization of lordosimetry as a technique to evaluate indications of excessive stress on the spinal column and to define what constitutes excessive stress on the spinal column, in terms of weight and bulk of load and location of object to be lifted for different body types.
CONTRACTOR New York University
New York, New York
CONTRACT DIRECTOR E.R. Tichauer

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT CDC-99-74-83
CONTRACT PERIOD 06/27/74 - 06/26/76
FUNDS TO DATE \$81,600
PY 74 FUNDING \$81,600
PROJECT OFFICER Francis N. Dukes-Dobos
TITLE Effectiveness of Different Work Rest Regimens in Lifting Tasks
ABSTRACT Evaluate using sixteen male subjects how much additional rest is required at different levels of work intensity with different static components if accumulation of strain and fatigue is to be prevented.
CONTRACTOR St. Louis University
St. Louis, Missouri
CONTRACT DIRECTOR Alexander R. Lind

*** CONTRACT CDC-99-74-90
CONTRACT PERIOD 06/26/74 - 12/27/75
FUNDS TO DATE \$43,300
PY 74 FUNDING \$43,300
PROJECT OFFICER Donald W. Badger
TITLE Effects of Workload in Heat Stress Tolerance
ABSTRACT Under controlled laboratory conditions, define differences in heat stress tolerance in response to work levels occurring in industry between women and men.
CONTRACTOR University of Wisconsin
Madison, Wisconsin
CONTRACT DIRECTOR William G. Reddan

*** CONTRACT CDC-99-74-114
CONTRACT PERIOD 06/25/74 - 06/24/76
FUNDS TO DATE \$179,404
PY 74 FUNDING \$179,404
PROJECT OFFICER Francis N. Dukes-Dobos
TITLE Mortality of Steel Workers Employed in Hot Jobs
ABSTRACT Utilize the mortality data of steel workers assembled since 1953 in 7 steel plants in Alleghany County, Pennsylvania for the purposes of establishing whether a relationship exists between causes of death and the extent of heat exposure of workers.
CONTRACTOR University of Pittsburgh
Pittsburgh, Pennsylvania
CONTRACT DIRECTOR Carol Redmond

* ACTIVE NIOSH CONTRACTS *

---LABORATORY RESEARCH (TOXICOLOGY)---

*** CONTRACT HSM-99-72-024
CONTRACT PERIOD 04/12/72 - 10/30/75
FUNDS TO DATE \$260,000
FY 74 FUNDING \$0
PROJECT OFFICER David H. Groth
TITLE Electromotive Interaction of Metals in Asbestos Carcinogenicity
ABSTRACT Determine the fate of nickel injected into the thigh of rats. Graded dose-levels will also be injected into another group of rats. The protective properties of aluminum in inhibiting cancer when introduced along with nickel sulfide in the thigh of rats will be determined.
CONTRACTOR University of Connecticut Health Center
Hartford, Connecticut
CONTRACT DIRECTOR F. William Sunderman Jr.

*** CONTRACT HSM-99-72-084
CONTRACT PERIOD 06/30/72 - 06/30/75
FUNDS TO DATE \$748,018
FY 74 FUNDING \$0
PROJECT OFFICER Herbert E. Stokinger
TITLE Development of Biological Standards for the Industrial Worker by Breath Analysis
ABSTRACT Develop standard human breath-decay curves on a series of industrial chemicals from which biologic standards may be established for the control of worker exposure.
CONTRACTOR Medical College of Wisconsin, Inc.
Milwaukee, Wisconsin
CONTRACT DIRECTOR Richard D. Stewart

*** CONTRACT HSM-99-73-55
CONTRACT PERIOD 06/20/73 - 03/03/75
FUNDS TO DATE \$25,218
FY 74 FUNDING \$0
PROJECT OFFICER Lester D. Scheel
TITLE Bioassays of Coal Tar Samples
ABSTRACT Evaluate the dose and number of exposures necessary for the onset of skin tumors and on the incidence of skin tumors for laboratory mice exposed to coal-tar and to benzpyrene.
CONTRACTOR University of Cincinnati
Cincinnati, Ohio
CONTRACT DIRECTOR E. Bingham Mattheis

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT HSM-99-73-58
CONTRACT PERIOD 6/30/73 - 12/31/74
FUNDS TO DATE \$14,800
PY 74 FUNDING \$0
PROJECT OFFICER David H. Groth
TITLE Sampling and Analysis of Human Lung Tissue
ABSTRACT Sample and analyze portions of 25 primary lung tumors, noninvolved lung and lymph nodes obtained from surgical specimens for certain chemical elements which are believed to be related to the induction of chronic pulmonary lesions.
CONTRACTOR Case Western Reserve University
Cleveland, Ohio
CONTRACT DIRECTOR Walter J. Pories

*** CONTRACT CDC-99-74-16
CONTRACT PERIOD 06/27/74 - 06/26/75
FUNDS TO DATE \$53,801
PY 74 FUNDING \$53,801
PROJECT OFFICER Trent R. Lewis
TITLE The Effect of MKR on Peripheral Nerves and its Mechanisms of Action
ABSTRACT Perform correlative electrophysiological, biochemical, and morphological studies using methyl butyl ketone and methyl ethyl ketone on normal adult rats of both sexes. Initial testing will be dose-response studies and documentation of clinical changes.
CONTRACTOR University of Pennsylvania
Philadelphia, Pennsylvania
CONTRACT DIRECTOR P.V. DeJesus

*** CONTRACT CDC-99-74-34
CONTRACT PERIOD 06/25/74 - 12/24/76
FUNDS TO DATE \$92,000
PY 74 FUNDING \$92,000
PROJECT OFFICER David H. Groth
TITLE Determination of the Tumorigenic Potential of Methylene-bis-orthochloroaniline
ABSTRACT Study the effects of ingestion of methylene-bis-orthochloroaniline in laboratory animals.
CONTRACTOR Hazelton Laboratories, Inc.
Vienna, Virginia
CONTRACT DIRECTOR Richard W. Voelker

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT CDC-99-74-46
CONTRACT PERIOD 06/25/74 - 12/24/76
FUNDS TO DATE \$96,088
FY 74 FUNDING \$96,088
PROJECT OFFICER Trent R. Lewis
TITLE Toxicity of Low-Concentration, Long-Term Exposure to an Airborne Mixture of Nitrous Oxide and Halothane
ABSTRACT Validate with controlled animal toxicity studies recent epidemiological reports suggesting increased incidence of reticuloendothelial malignancies among hospital operating room personnel.
CONTRACTOR Hazleton Laboratories, Inc.
Vienna, Virginia
CONTRACT DIRECTOR William B. Coate

*** CONTRACT CDC-99-74-47
CONTRACT PERIOD 06/27/74 - 06/26/75
FUNDS TO DATE \$29,317
FY 74 FUNDING \$29,317
PROJECT OFFICER Trent R. Lewis
TITLE Toxicity of Low Concentration, Long-Term Exposure to Boron Trifluoride
ABSTRACT Determine with experimental animals the acceptability of the present standard for boron trifluoride.
CONTRACTOR Industrial BIO-TEST Laboratories, Inc.
Northbrook, Illinois
CONTRACT DIRECTOR John W. Goode

*** CONTRACT CDC-99-74-74
CONTRACT PERIOD 06/27/74 - 06/30/75
FUNDS TO DATE \$17,000
FY 74 FUNDING \$17,000
PROJECT OFFICER David H. Groth
TITLE Neutron Activation Analysis of Biological Tissues and Chemical Compounds
ABSTRACT Provides for the analysis of 50 samples of animal tissues, alloys, minerals, and chemical compounds for several different elements by neutron activation analysis.
CONTRACTOR United States Testing Company
Richland, Washington
CONTRACT DIRECTOR M. M. Lardy

* ACTIVE NIOSH CONTRACTS *

---LABORATORY SERVICES---

*** CONTRACT HSM-99-72-082
CONTRACT PERIOD 06/30/72 - 06/30/75
FUNDS TO DATE \$169,355
FY 74 FUNDING \$0
PROJECT OFFICER William D. Kelley & John Bryant
TITLE Development of a Laboratory Accreditation Program
for Occupational Health Laboratory
ABSTRACT Complete the development and implement a laboratory
accreditation program including standards of
performance, evaluation criteria and continuing
quality assurance provisions.
CONTRACTOR American Industrial Hygiene Association
Akron, Ohio
CONTRACT DIRECTOR William E. McCormick

*** CONTRACT HSM-99-73-32
CONTRACT PERIOD 6/1/73 - 2/28/75
FUNDS TO DATE \$43,630
FY 74 FUNDING \$0
PROJECT OFFICER John Holtz
TITLE Laboratory Analytical Services
ABSTRACT Analyze approximately 1,200 samples of tissue,
blood, animal feces and urine for a variety
of metals using appropriate analytical methods.
CONTRACTOR Pedco Environmental
Cincinnati, Ohio
CONTRACT DIRECTOR Lawrence Elfers

*** CONTRACT CDC-99-74-85
CONTRACT PERIOD 05/16/74 - 05/15/75
FUNDS TO DATE \$104,975
FY 74 FUNDING \$104,975
PROJECT OFFICER James H. Cavender
TITLE Sample Generation and Proficiency Determination for NIOSH
Proficiency Analytical Testing Laboratories
ABSTRACT Associated with the NIOSH Proficiency Analytical Testing
laboratory program, generate standard samples of specified
materials, transmit sets of samples to participating
laboratories at specified intervals, receive the analytical
results from the laboratories, evaluate the results, and
transmit reports back to the participating laboratories.
CONTRACTOR College of American Pathologists
Chicago, Illinois
CONTRACT DIRECTOR Robert Willis

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT CDC-99-74-100
CONTRACT PERIOD 06/18/74 - 09/17/75
FUNDS TO DATE \$48,800
FY 74 FUNDING \$48,800
PROJECT OFFICER Robert L. Larkin
TITLE Analytical Support of Organic Chemical Analyses
ABSTRACT Provide NIOSH with a supporting analytical capability by performing qualitative and quantitative determinations of field samples consisting primarily of organic materials on solid sorbents or in bulk liquids.
CONTRACTOR Analytical Research Laboratories
Monrovia, California
CONTRACT DIRECTOR R. R. Jay

*** CONTRACT CDC-99-74-102
CONTRACT PERIOD 06/27/74 - 09/26/75
FUNDS TO DATE \$54,716
FY 74 FUNDING \$54,716
PROJECT OFFICER John L. Holtz
ABSTRACT Provide NIOSH with a supporting qualitative and quantitative analytical capability by analyzing between 600 and 800 selected samples of occupational health interest.
CONTRACTOR University of Missouri
Columbia, Missouri
CONTRACT DIRECTOR J.O. Pierce

---MANPOWER DEVELOPMENT---

*** CONTRACT HSH-99-71-060
CONTRACT PERIOD 06/30/71 - 12/29/74
FUNDS TO DATE \$456,184
FY 74 FUNDING \$ 0
PROJECT OFFICER John M. Blankenhorn
TITLE Development of a 20-week Training for Occupational
ABSTRACT Provide new NIOSH employees with twelve weeks of intensive training and eight weeks of field experience. Should prepare them to perform their functions as NIOSH field personnel doing occupational safety and health survey work in support of NIOSH objectives and responsibilities.
CONTRACTOR University of Oklahoma
Norman, Oklahoma
CONTRACT DIRECTOR Everett DeWhitt, Jr.

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT CDC-99-74-32
CONTRACT PERIOD 06/25/74 - 11/24/74
FUNDS TO DATE \$35,348
FY 74 FUNDING \$35,348
PROJECT OFFICER Thomas C. Purcell
TITLE An Instructional Course Entitled, "Recognition of Occupational Health Hazards"
ABSTRACT Develop training manuals, curriculum and necessary instructional materials for packaging of a five-day training course entitled, "Recognition of Occupational Health Hazards."
CONTRACTOR Human Resources Research Organization
Alexandria, Virginia
CONTRACT DIRECTOR Robert C. Trexler

*** CONTRACT CDC-99-74-66
CONTRACT PERIOD 06/26/74 - 06/25/75
FUNDS TO DATE \$70,900
FY 74 FUNDING \$70,900
PROJECT OFFICER Alphonse F. Schaplowsky
TITLE Training Course Package--Recognition of Accident Potential in Work Environment
ABSTRACT Develop a training manual, curriculum and necessary instructional materials for packaging of a 20 hour training course entitled, "Recognition of Accident Potential in the Work Environment."
CONTRACTOR American Society of Safety Engineers
Park Ridge, Illinois
CONTRACT DIRECTOR Wayne C. Christinson

*** CONTRACT CDC-99-74-68
CONTRACT PERIOD 06/27/74 - 07/16/75
FUNDS TO DATE \$133,808
FY 74 FUNDING \$133,808
PROJECT OFFICER William E. Murray
TITLE Training Course Package--Evaluation and Control of Occupational Radiation Exposure
ABSTRACT Develop a course package concerned with the evaluation and control of occupational radiation exposure which can be used to train individuals who will perform radiation surveys of, and make recommendations for, minimizing personnel exposures to radiation sources used in the occupational environment.
CONTRACTOR Boeing Aerospace Company
Seattle, Washington
CONTRACT DIRECTOR Thomas E. Sitterley

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT CDC-99-74-72
CONTRACT PERIOD 06/14/74 - 04/13/75
FUNDS TO DATE \$54,182
FY 74 FUNDING \$54,182
PROJECT OFFICER Thomas C. Purcell
TITLE Industrial Hygiene Chemistry Course Package
ABSTRACT Develop a course package in industrial hygiene chemistry which can be used to train individuals who will perform qualitative and quantitative chemical analyses on samples taken to characterize the occupational environment.
CONTRACTOR Dunlap and Associates, Inc.
Darien, Connecticut
CONTRACT DIRECTOR R. Pepler

*** CONTRACT CDC-99-74-76
CONTRACT PERIOD 06/21/74 - 06/20/75
FUNDS TO DATE \$50,370
FY 74 FUNDING \$50,370
PROJECT OFFICER Alphonse F. Schaplowsky
TITLE Training Course Package--Recognition of Accident Potential in the Workplace Due to Human Factors
ABSTRACT Develop a training course dealing with the recognition of accident potential in the workplace due to human factors and intended for individuals having an undergraduate degree or its equivalent in work experience and/or independent study in occupational safety.
CONTRACTOR Human Potential Development Corporation
Westlake Village, California
CONTRACT DIRECTOR S. Stephen Uslan

*** CONTRACT CDC-99-74-94
CONTRACT PERIOD 06/28/74 - 06/27/76
FUNDS TO DATE \$101,293
FY 74 FUNDING \$101,293
PROJECT OFFICER James S. Ferguson
TITLE Development and Validation of Career Development Guidelines
ABSTRACT Develop and validate career development guidelines by task/activity analysis of two selected occupational safety and health professions: industrial hygienist and safety professional.
CONTRACTOR Texas A & M Research Foundation
College Station, Texas
CONTRACT DIRECTOR Ralph Vernon

* ACTIVE NIOSH CONTRACTS *

---MINING---

*** CONTRACT HSM-99-71-022
CONTRACT PERIOD 06/30/71 - 12/31/74
FUNDS TO DATE \$623,281
FY 74 FUNDING \$0
PROJECT OFFICER Earle P. Shoub
TITLE Follow-up Study of Three Coal Mining Communities
in West Virginia
ABSTRACT Follow-up the people who were studied
approximately six years ago in Mullens and
Richwood, West Virginia by the USPHS and in Marion
County, West Virginia, by Dr. I. T. T. Higgins.
Mortality as well as prevalence, incidence,
progression, and remission of chronic respiratory
disease will be studied.
CONTRACTOR University of Michigan
Ann Arbor, Michigan
CONTRACT DIRECTOR I. T. T. Higgins

*** CONTRACT HSM-99-72-057
CONTRACT PERIOD 06/15/72 - 05/31/75
FUNDS TO DATE \$127,800
FY 74 FUNDING \$0
PROJECT OFFICER Earle P. Shoub
TITLE Provision of Ancillary Services and Domiciliary
Care
ABSTRACT Reimburse the West Virginia University Medical
Center Hospital for ancillary services, laboratory
tests, and the use of facilities not available in
NIOSH where special clinical studies will be
carried out on coal miners with respiratory
impairment.
CONTRACTOR West Virginia Medical Center Hospital
Morgantown, West Virginia
CONTRACT DIRECTOR Eugene L. Staples

*** CONTRACT HSM-99-72-133
CONTRACT PERIOD 06/30/72 - 06/30/75
FUNDS TO DATE \$409,025
FY 74 FUNDING \$0
PROJECT OFFICER N. LeRoy Lapp
TITLE Analysis of Maximal Expiratory Flow - Volume
Curves Based on an Analytical Model of Lung Mechanics
ABSTRACT Develop, refine, test, and validate an analytical
(mathematical) model of the mechanical properties
of the lungs in order to better understand the
determinants of the maximal expiration flow-volume
curve.
CONTRACTOR Mayo Foundation
Rochester, Minnesota
CONTRACT DIRECTOR R. E. Hyatt

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT HSM-99-72-151
CONTRACT PERIOD 06/30/72 - 12/31/74
FUNDS TO DATE \$145,186
PY 74 FUNDING \$13,854
PROJECT OFFICER William Kroes
TITLE Attitudinal Factors Affecting Coal Miner Safety and Health
ABSTRACT Examine, by means of a survey, the attitudes and motivations of coal mine personnel which influence coal miners' acceptance and participation in established safety and health practices.
CONTRACTOR Westinghouse Electric Corporation
Columbia, Maryland
CONTRACT DIRECTOR C. Grether

*** CONTRACT HSM-99-73-004
CONTRACT PERIOD 10/02/72 - 11/30/74
FUNDS TO DATE \$679,270
PY 74 FUNDING \$375,410
PROJECT OFFICER Larry P. Boyce
TITLE Information Processing System for the Coal Miner Medical Examination Program
ABSTRACT Provide suitable means to process medical data relative to chest X-rays for coal miners.
CONTRACTOR West Virginia University
Morgantown, West Virginia 26506
CONTRACT DIRECTOR Wayne A. Huth

*** CONTRACT HSM-99-73-6
CONTRACT PERIOD 6/1/72 - 5/31/75
FUNDS TO DATE \$12,940
PY 74 FUNDING \$7,454
PROJECT OFFICER Earle P. Shoub
TITLE X-ray Interpretation: Second Round National Study of Coal Workers' Pneumoconiosis
ABSTRACT Interpret and classify by the UICC/Cincinnati system, X-ray films from the second round of the National Study of Coal Workers' Pneumoconiosis and in addition, examine side-by-side pairs of films from the same miners taken approximately three years apart and determine progression, if any, of the disease over that time interval in those subjects.
CONTRACTOR Professional Staff Association
Los Angeles, California
CONTRACT DIRECTOR George Jacobson

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT HSM-99-73-7
CONTRACT PERIOD 01/01/73 - 05/31/75
FUNDS TO DATE \$9,475
PY 74 FUNDING \$6,566
PROJECT OFFICER Earle P. Shoub
TITLE X-ray Interpretation: Second Round National Study of Coal Workers' Pneumoconiosis
ABSTRACT Interpret and classify by the UICC/Cincinnati system, X-ray films from the second round of the National Study of Coal Workers' Pneumoconiosis and in addition, examine side-by-side pairs of films from the same miners taken approximately three years apart and determine progression, if any, of the disease over that time interval in those subjects.
CONTRACTOR Johns Hopkins University
Paltimore, Maryland
CONTRACT DIRECTOR Martin W. Donner and Paul Wheeler

*** CONTRACT HSM-99-73-008
CONTRACT PERIOD 12/01/72 - 05/31/75
FUNDS TO DATE \$10,367
PY 74 FUNDING \$5,968
PROJECT OFFICER Earle P. Shoub
TITLE X-Ray Interpretation: Second Round National Study of Coal Workers' Pneumoconiosis
ABSTRACT Interpret and classify by the UICC/Cincinnati system X-ray films from the second round of the National Study of Coal Workers' Pneumoconiosis and in addition examine side-by-side pairs of films from the same miners taken approximately three years apart and determine progression, if any of the disease over that time interval in those subjects.
CONTRACTOR John M. Dennis
Baltimore, Maryland
CONTRACT DIRECTOR John M. Dennis

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT HSM-99-73-009
CONTRACT PERIOD 12/01/72 - 05/31/75
FUNDS TO DATE \$8,420
PY 74 FUNDING \$6,539
PROJECT OFFICER Earle P. Shoub
TITLE X-Ray Interpretation: Second Round National
Study of Coal Workers' Pneumoconiosis
ABSTRACT Interpret and classify by the UICC/Cincinnati
system, X-ray films from the second round of the
National Study of Coal Workers' Pneumoconiosis and
in addition examine side-by-side pairs of films
from the same miners taken approximately three years
apart and determine progression, if any, of the
disease over that time interval in those subjects.
CONTRACTOR Orlando P. Gabriele
Morgantown, West Virginia
CONTRACT DIRECTOR Orlando P. Gabriele

*** CONTRACT HSM-99-73-011
CONTRACT PERIOD 12/01/72 - 05/31/75
FUNDS TO DATE \$3,939
PY 74 FUNDING \$3,581
PROJECT OFFICER Earle P. Shoub
TITLE X-Ray Interpretation: Second Round National
Study of Coal Workers' Pneumoconiosis
ABSTRACT Interpret and classify by the UICC/Cincinnati
system, X-ray films from the second round of
the National Study of Coal Workers' Pneumoconiosis
and in addition examine side-by-side pairs of films
from the same miners taken approximately three
years apart and determine progression, if any, of
the disease over that time interval in those
subjects.
CONTRACTOR Eugene P. Pendergrass
Philadelphia, Pennsylvania
CONTRACT DIRECTOR Eugene P. Pendergrass

*** CONTRACT HSM-99-73-14
CONTRACT PERIOD 2/12/73 - 2/11/75
FUNDS TO DATE \$85,367
PY 74 FUNDING \$0
PROJECT OFFICER Robert B. Reger
TITLE Roentgenographic Interpreter Proficiency
Evaluation System
ABSTRACT Provide for the selection and validation of a
series of films which could be used with the
proper analytical techniques to evaluate the
proficiency of roentgenographic interpreters.
CONTRACTOR Johns Hopkins University
Baltimore, Maryland
CONTRACT DIRECTOR Alvin Lazen

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT HSM-99-73-40
CONTRACT PERIOD 6/1/73 - 5/31/75
FUNDS TO DATE \$8,767
FY 74 FUNDING \$3,932
PROJECT OFFICER Earle P. Shoub
TITLE X-ray Interpretation: Second Round National Study of Coal Workers' Pneumoconiosis
ABSTRACT Interpret and classify by the UICC/Cincinnati system, X-ray films from the second round of the National Study of Coal Workers' Pneumoconiosis and in addition, examine side-by-side pairs of films from the same miners taken approximately three years apart and determine progression, if any, of the disease over that time interval in those subjects.
CONTRACTOR Benjamin Felson, Cincinnati General Hospital Cincinnati, Ohio
CONTRACT DIRECTOR Benjamin Felson

*** CONTRACT HSM-99-73-57
CONTRACT PERIOD 6/30/73 - 12/31/74
FUNDS TO DATE \$72,486
FY 74 FUNDING \$0
PROJECT OFFICER Robert B. Reger
TITLE Digitalized Image Processing of Chest X-rays to Assess Progression and Categorize CWP
ABSTRACT Investigate the feasibility of the use of digital image change detection techniques for improving the readability and diagnosis of progression of Coal Workers' Pneumoconiosis from chest roentgenograms.
CONTRACTOR Control Data Corporation Minneapolis, Minnesota
CONTRACT DIRECTOR R. L. Lillestrand

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT HSM-99-73-59
CONTRACT PERIOD 6/30/73 - 5/31/75
FUNDS TO DATE \$4,032
FY 74 FUNDING \$2,797
PROJECT OFFICER Farle P. Shoub
TITLE X-ray Interpretation: Second Round National Study of Coal Workers' Pneumoconiosis
ABSTRACT Interpret and classify by the UICC/Cincinnati system, X-ray films from the second round of the National Study of Coal Workers' Pneumoconiosis and in addition, examine side-by-side pairs of films from the same miners taken approximately three years apart and determine progression, if any, of the disease over that time interval in those subjects.
CONTRACTOR Leonard J. Bristol
Saranac Lake, New York
CONTRACT DIRECTOR Leonard J. Bristol

*** CONTRACT HSM-99-73-80
CONTRACT PERIOD 6/30/73 - 6/29/75
FUNDS TO DATE \$160,912
FY 74 FUNDING \$0
PROJECT OFFICER Joseph Costello
TITLE Mortality Among Coal Miners Covered by the United Mine Workers of America Welfare and Retirement Fund
ABSTRACT Clarify the extent of health problems associated with employment in coal mines through an examination of mortality patterns among persons covered by the United Mine Workers of America Welfare and Retirement Fund.
CONTRACTOR University of Pittsburgh
Pittsburgh, Pennsylvania
CONTRACT DIRECTOR Howard Rockette

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT HSM-99-73-81
CONTRACT PERIOD 6/30/73 - 11/30/74
FUNDS TO DATE \$164,693
FY 74 FUNDING \$0
PROJECT OFFICER Marilyn Hutchison
TITLE Investigation of the Sanitation Practices
Associated with Coal Mine Operations
ABSTRACT Collect and evaluate basic data through a
literature review and a field survey of
200 mines the sanitation practices in coal
mines to appraise the effectiveness of current
regulations for adequately protecting the health
of miners.
CONTRACTOR University Science Center, Inc.
Pittsburgh, Pennsylvania
CONTRACT DIRECTOR Alvan W. Leavitt

*** CONTRACT HSM-99-73-92
CONTRACT PERIOD 06/30/73 - 12/29/74
FUNDS TO DATE \$211,110
FY 74 FUNDING \$72,374
PROJECT OFFICER Alan H. Purdy and Robert B. Reger
TITLE Automated Chest X-ray Classification
ABSTRACT Develop prototype software support systems
for the automatic scanning and computer
classification of the profusion and extent
of coal workers' pneumoconiosis in chest
X-rays.
CONTRACTOR University of Southern California
Los Angeles, California
CONTRACT DIRECTOR Richard P. Kruger and Ernest L. Hall

*** CONTRACT CDC-99-74-4
CONTRACT PERIOD 12/14/73 - 06/01/74
FUNDS TO DATE \$2,400
FY 74 FUNDING \$2,400
PROJECT OFFICER Robert B. Reger
TITLE Fast Internal Sorting of X-ray Film
ABSTRACT Determine whether or not as picture processing and X-ray
photo technology is increasing the input-output image
data rate, there is now an increasing need for a fast
internal computer sort (or set of fast internal sorts)
of X-ray photo data.
CONTRACTOR West Virginia University
Morgantown, West Virginia
CONTRACT DIRECTOR David C. Rine

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT CDC-99-74-25
CONTRACT PERIOD 06/27/74 - 06/26/76
FUNDS TO DATE \$20,736
PY 74 FUNDING \$20,736
PROJECT OFFICER James H. Donnelly
TITLE Software Service and Support for PDP-12 Time Share Multiprogramming System
ABSTRACT Develop a three user core resident multiprogramming system to allow two real-time online data acquisition and one program development or editing job to execute simultaneously on a PDP-12 central processor with minimal modification to existing programs.
CONTRACTOR West Virginia University
Morgantown, West Virginia
CONTRACT DIRECTOR Thomas McIntyre

*** CONTRACT CDC-99-74-37
CONTRACT PERIOD 06/26/74 - 06/25/77
FUNDS TO DATE \$1,200,000
PY 74 FUNDING \$1,200,000
PROJECT OFFICER Jack Butler
TITLE Coal Miners Respiratory Clinic Program
ABSTRACT Provide all the necessary labor, facilities and equipment to expand the capacity to deliver high quality respiratory clinic services to underserved coal producing regions in States with less than 3%, but with concentrations of more than 500 of the Nation's active and inactive coal miner population, excluding the States of Pennsylvania, Ohio, Virginia, West Virginia, and Appalachian Regional Commission designated counties in Kentucky, Tennessee, Alabama, and Illinois.
CONTRACTOR United Mine Workers of America
Washington, D.C.
CONTRACT DIRECTOR Bedford W. Bird

*** CONTRACT CDC-99-74-49
CONTRACT PERIOD 06/26/74 - 06/25/75
FUNDS TO DATE \$38,462
PY 74 FUNDING \$38,462
PROJECT OFFICER John L. Hankinson
TITLE Construction of a Flow-Volume Calibrator
ABSTRACT Develop, construct, evaluate, and furnish a portable flow-volume calibrator suitable for calibrating and evaluating various models and types of spirometers and flow measuring devices generally used in clinical studies.
CONTRACTOR University of Utah Research Institute
Salt Lake City, Utah
CONTRACT DIRECTOR C.D. Baker

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT CDC-99-74-52
CONTRACT PERIOD 04/09/74 - 06/30/74
FUNDS TO DATE \$21,600
FY 74 FUNDING \$21,600
PROJECT OFFICER Phyllis J. Popovich
TITLE Providing Definitive Interpretations of Chest
Roentgenograms
ABSTRACT Provides for definitive interpretations on a per unit
basis up to 9,000 X-rays taken under the Federal
Coal Mine Health and Safety Act of 1969 by an
approved "B" Reader when the first interpretation
is made by an approved "A" Reader.
CONTRACTOR Professional Staff Association of the LAC/USC
Medical Center
Los Angeles, California
CONTRACT DIRECTOR George Jacobson

*** CONTRACT CDC-99-74-53
CONTRACT PERIOD 04/02/74 - 06/30/74
FUNDS TO DATE \$20,250
FY 74 FUNDING \$20,250
PROJECT OFFICER Phyllis J. Popovich
TITLE Providing Definitive Interpretations of Chest
Roentgenograms
ABSTRACT Provides for definitive interpretations on a per unit
basis up to 9,000 X-rays taken under the Federal
Coal Mine Health and Safety Act of 1969 by an
approved "B" Reader when the first interpretation
is made by an approved "A" Reader.
CONTRACTOR George M. Wyatt
Cincinnati, Ohio
CONTRACT DIRECTOR George M. Wyatt

*** CONTRACT CDC-99-74-54
CONTRACT PERIOD 04/04/74 - 06/30/74
FUNDS TO DATE \$18,000
FY 74 FUNDING \$18,000
PROJECT OFFICER Phyllis J. Popovich
TITLE Providing Definitive Interpretations of Chest
Roentgenograms
ABSTRACT Provides for definitive interpretations on a per unit
basis up to 9,000 X-rays taken under the Federal
Coal Mine Health and Safety Act of 1969 by an
approved "B" Reader when the first interpretation
is made by an approved "A" Reader.
CONTRACTOR Harold B. Spitz
Cincinnati, Ohio
CONTRACT DIRECTOR Harold B. Spitz

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT CDC-99-74-55
CONTRACT PERIOD 04/01/74 - 06/30/74
FUNDS TO DATE \$18,000
PY 74 FUNDING \$18,000
PROJECT OFFICER Phyllis J. Popovich
TITLE Providing Definitive Interpretations of Chest
Roentgenograms
ABSTRACT Provides for definitive interpretations on a per unit
basis up to 9,000 X-rays taken under the Federal
Coal Mine Health and Safety Act of 1969 by an
approved "E" Reader when the first interpretation
is made by an approved "A" Reader.
CONTRACTOR Philip Whittlesey
CONTRACT DIRECTOR Baltimore, Maryland
Philip Whittlesey

*** CONTRACT CDC-99-74-56
CONTRACT PERIOD 04/02/74 - 06/30/74
FUNDS TO DATE \$20,160
PY 74 FUNDING \$20,160
PROJECT OFFICER Phyllis J. Popovich
TITLE Providing Definitive Interpretations of Chest
Roentgenograms
ABSTRACT Provides for definitive interpretations on a per unit
basis up to 9,000 X-rays taken under the Federal
Coal Mine Health and Safety Act of 1969 by an
approved "E" Reader when the first interpretation
is made by an approved "A" Reader.
CONTRACTOR Drs. Pine, Nathan, and Schneider, Inc.
CONTRACT DIRECTOR Cincinnati, Ohio
Archie Fine

*** CONTRACT CDC-99-74-71
CONTRACT PERIOD 06/27/74 - 12/26/74
FUNDS TO DATE \$42,210
PY 74 FUNDING \$42,210
PROJECT OFFICER Alan H. Purdy
TITLE Digital Film Library
ABSTRACT Scan and digitize on a laser drum scanner five hundred
original coal workers' pneumoconiosis X-rays.
CONTRACTOR Singer Company
CONTRACT DIRECTOR Sunnyvale, California
P. Lewandowski

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT CDC-99-74-112
CONTRACT PERIOD 06/26/74 - 06/30/75
FUNDS TO DATE \$9,760
FY 74 FUNDING \$9,760
PROJECT OFFICER Robert B. Reger
TITLE Administration of Roentgenographic Interpretation Proficiency Evaluation Scheme
ABSTRACT Provide for testing and evaluating the reading characteristics and proficiency of 50 potential "B" readers for the NIOSH coal miner X-ray examination program.
CONTRACTOR Johns Hopkins University
CONTRACT DIRECTOR Baltimore, Maryland
Alvin G. Lazen

*** CONTRACT CDC-99-74-115
CONTRACT PERIOD 06/27/74 - 06/26/75
FUNDS TO DATE \$24,000
FY 74 FUNDING \$24,000
PROJECT OFFICER Phillis J. Popovich
TITLE Periodic Medical Examinations for Coal Miners in Pennsylvania
ABSTRACT Provide for the making and definite interpretation of medical examinations, including chest X-rays required under Section 203 of the Federal Coal Mine Health and Safety Act of 1969 at underground coal mines and related operations in the State of Pennsylvania where the operator has failed to provide an acceptable Coal Mine Operator's Plan.
CONTRACTOR Commonwealth of Pennsylvania
CONTRACT DIRECTOR Harrisburg, Pennsylvania
John W. Krauber

---OCCUPATIONAL CARCINOGENESIS---

*** CONTRACT CDC-99-74-50
CONTRACT PERIOD 06/21/74 - 06/20/75
FUNDS TO DATE \$64,729
FY 74 FUNDING \$64,729
PROJECT OFFICER James H. Jones
TITLE Environmental/Industrial Hygiene Surveys of Vinyl Chloride Monomer Manufacturing Operations
ABSTRACT Document past and present worker exposures to vinyl chloride during the monomer production and the processing of polyvinyl chloride and polyvinyl copolymers. Information on work practices, environmental control procedures, industrial hygiene practices and worker exposures to other known liver toxins will also be documented.
CONTRACTOR Bendix Launch Support Division
CONTRACT DIRECTOR Cocoa Beach, Florida
J. E. Devlin

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT CDC-99-74-91
CONTRACT PERIOD 06/27/74 - 06/26/75
FUNDS TO DATE \$98,600
FY 74 FUNDING \$98,600
PROJECT OFFICER Richard J. Waxweiler
TITLE Investigation of Health Hazards in the Painting Trades
ABSTRACT Determine the effects of potential health hazards that exist in the painting trades through a pilot survey consisting of a clinical survey of 800 painting trade workers, a retrospective-prospective mortality study of a cohort of 250,000 painting trade workers, and a literature review of the toxicity and carcinogenicity of the various materials and products used in the painting trades.
CONTRACTOR Mount Sinai School of Medicine
New York, New York
CONTRACT DIRECTOR Irving J. Selikoff

---OCCUPATIONAL HEALTH PROGRAMS---

*** CONTRACT HSM-99-72-109
CONTRACT PERIOD 06/30/72 - 03/31/75
FUNDS TO DATE \$71,481
FY 74 FUNDING \$0
PROJECT OFFICER Raymond T. Moore
TITLE Develop and Validate Criteria for Performance Standards of Occupational Health Programs
ABSTRACT Develop and validate criteria for program performance standards of Occupational Health Programs which will provide guidelines to NIOSH in promoting the development of such programs as well as provide guidance to facilities in establishing and/or upgrading their own operational program standards.
CONTRACTOR Occupational Health Institute
Chicago, Illinois
CONTRACT DIRECTOR Howard W. Schulz

*** CONTRACT CDC-99-74-3
CONTRACT PERIOD 11/01/73 - 04/30/74
FUNDS TO DATE \$9,315
FY 74 FUNDING \$9,315
PROJECT OFFICER Elaine Nelson
TITLE Explore the Field of Existing Guidelines Publications
ABSTRACT Explore, take inventory, and assess the field of available occupational health guidelines publications and delineate an overall rewriting.
CONTRACTOR Dr. Jean Spencer Felton
Pacific Palisades, California
CONTRACT DIRECTOR Jean Spencer Felton

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT CDC-99-74-10
CONTRACT PERIOD 03/01/74 - 02/28/75
FUNDS TO DATE \$94,400
FY 74 FUNDING \$94,400
PROJECT OFFICER Elaine Nelson
TITLE Formation of a University/Industrial Clinics
Association for Delivery of Occupational Safety
and Health Services
ABSTRACT Establish an association of University/Industrial
Clinics and describe how to implement a system
consisting of a University/Industrial Clinic
consortium to provide small plant occupational
safety and health services augmenting the capabilities
that are presently in existence in private industrial
clinics.
CONTRACTOR University of California
Irvine, California
CONTRACT DIRECTOR Dwight B. Culver

*** CONTRACT CDC-99-74-17
CONTRACT PERIOD 06/27/74 - 06/26/76
FUNDS TO DATE \$99,560
FY 74 FUNDING \$99,560
PROJECT OFFICER Edgar P. Seagle
TITLE Development of the Role of the Health Department as
Coordinator of Occupational Health Programs
ABSTRACT Design and conduct a survey of present sources of
occupational safety and health services in a metropolitan
area including medical, nursing, industrial hygiene,
safety, and fire prevention activities. Test the
coordinator role of the health department by offering
occupational safety and health services determined to
be needed, stimulate participation of industry, and
develop a means of evaluating the performance of the
various sources of service as well as the efficiency
of the health department as the coordinating organization.
CONTRACTOR Department of Human Resources of the District of Columbia
Washington, D.C.
CONTRACT DIRECTOR William Chen

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT CDC-99-74-18
CONTRACT PERIOD 05/10/74 - 11/10/74
FUNDS TO DATE \$25,000
FY 74 FUNDING \$25,000
PROJECT OFFICER Elaine Nelson
TITLE Evaluation of Phase I of an Occupational Health Primary Care Program Interfaced with the General Health Care Delivery System
ABSTRACT Provide an evaluation of an attempt to intersect the two systems of health care: occupational medicine and the general health care system. Medical records of the medical department of the New York Telephone Company will be used.
CONTRACTOR New York Telephone Company
New York, New York
CONTRACT DIRECTOR L.W. Wood

*** CONTRACT CDC-99-74-27
CONTRACT PERIOD 06/26/74 - 04/25/76
FUNDS TO DATE \$124,233
FY 74 FUNDING \$124,233
PROJECT OFFICER Edgar Seagle
TITLE Development of a Model Occupational Health Program for Agricultural Workers.
ABSTRACT Develop, test, and evaluate a model program aimed at helping the farmer become more aware of the health hazards associated with his work, give him a facility to go to for occupational health services, and subsequently instruct him on what can be done by himself to prevent these adverse conditions.
CONTRACTOR Community Health Clinics, Inc.
Wampa, Idaho
CONTRACT DIRECTOR Robert Pantell

*** CONTRACT CDC-99-74-30
CONTRACT PERIOD 06/07/74 - 02/15/75
FUNDS TO DATE \$14,000
FY 74 FUNDING \$14,000
PROJECT OFFICER Marilyn Hutchison
TITLE Conduct an AMA Conference on Occupational Health
ABSTRACT Develop and implement a two-day seminar on specifically delineated occupational health subjects, allowing each subject one day coverage.
CONTRACTOR American Medical Association
Chicago, Illinois
CONTRACT DIRECTOR Henry P. Howe

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT CDC-99-74-87
CONTRACT PERIOD 06/26/74 - 06/25/76
FUNDS TO DATE \$300,000
FY 74 FUNDING \$300,000
PROJECT OFFICER Marilyn Hutchinson
TITLE Voluntary Accreditation System for Occupational Safety
and Health Programs in Industry
ABSTRACT Develop a voluntary accreditation system for occupational
safety and health programs in industry through the
developing, testing, and preparation of the necessary
forms, appraisal lists, classification manuals and
practical manuals for the operation of an accreditation
process and through studying the feasibility of various
strategies for establishing an accreditation authority
to carry out the accreditation process.
CONTRACTOR Joint Commission on Accreditation of Hospitals
Chicago, Illinois
CONTRACT DIRECTOR Robert Grassl

---POLICY DIRECTION AND ADMINISTRATIVE SUPPORT---

*** CONTRACT CDC-99-74-7
CONTRACT PERIOD 12/26/73 - 05/31/74
FUNDS TO DATE \$13,872
FY 74 FUNDING \$13,872
PROJECT OFFICER Thomas C. Purcell
TITLE Development and Presentation of an Instructional
Course entitled, "Program Official's Guide to
Contracting"
ABSTRACT Develop a training manual, curriculum, and
necessary instructional materials for presentation
of an accelerated training course in Government
contracting to project officers and other
professional personnel involved with implementation
and review of NIOSH contract programs.
CONTRACTOR Ohio State University Research Foundation
Columbus, Ohio
CONTRACT DIRECTOR Richard E. Shutte

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT CDC-99-74-80
CONTRACT PERIOD 06/26/74 - 6/25/75
FUNDS TO DATE \$41,985
FY 74 FUNDING \$41,985
PROJECT OFFICER David S. Thelen
TITLE Evaluation of the NIOSH Training Grant Program
ABSTRACT Evaluate the NIOSH training grant program with respect to the degree to which graduates of grant supported programs have remained in occupational health and their impact on occupational safety and health, and make recommendations to increase the effectiveness of the program.
CONTRACTOR General Research Corporation
McLean, Virginia
CONTRACT DIRECTOR Howard Olson

*** CONTRACT CDC-99-74-82
CONTRACT PERIOD 06/28/74 - 06/27/75
FUNDS TO DATE \$42,857
FY 74 FUNDING \$42,857
PROJECT OFFICER Vivian K. Morgan
TITLE NIOSH Information Dissemination Strategy
ABSTRACT Provide an information dissemination decision model which for a specific publication will outline the most effective and efficient method of distribution to user groups.
CONTRACTOR John Short and Associates
Salt Lake City, Utah
CONTRACT DIRECTOR John Short

---SAFETY---

*** CONTRACT FSM-99-73-27
CONTRACT PERIOD 5/15/73 - 12/15/74
FUNDS TO DATE \$150,000
FY 74 FUNDING \$0
PROJECT OFFICER Nelson A. Leidel and Lloyd E. Stettler
TITLE Molten Aluminum - Water Explosion Initiation Mechanism and Prevention Study
ABSTRACT Establish personnel safety in all expected molten aluminum - water encounters. Parameters affecting initiation mechanisms shall be adequately established so that preventive measures against explosions can be devised.
CONTRACTOR IIT Research Institute
Chicago, Illinois
CONTRACT DIRECTOR C. James Dahn

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT HSM-99-73-71
CONTRACT PERIOD 6/30/73 - 12/31/74
FUNDS TO DATE \$92,758
FY 74 FUNDING \$0
PROJECT OFFICER Jeff I. Kamin
TITLE Machine Guarding - Assessment of Need
ABSTRACT Assess the current usage of and determine the relative need for various types of machine guards for various machines and/or machine operations, both metal cutting and woodworking machinery.
CONTRACTOR Bendix
Cocoa Beach, Florida
CONTRACT DIRECTOR W. L. Barnhart

*** CONTRACT CDC-99-74-29
CONTRACT PERIOD 05/06/74 - 06/05/77
FUNDS TO DATE \$136,009
FY 74 FUNDING \$136,009
PROJECT OFFICER W. Kent Anger
TITLE Research on Accident Reduction by Reinforcement of Safe Behavior
ABSTRACT Demonstrate the utility of, and benefits derived from the application of behavior modification techniques to shape safe behavior and reduce accidents at the workplace using three specific job types in a specific plant.
CONTRACTOR Human Potential Development Corporation
Westlake Village, California
CONTRACT DIRECTOR Steven Usion

*** CONTRACT CDC-99-74-35
CONTRACT PERIOD 06/26/74 - 03/26/76
FUNDS TO DATE \$119,800
FY 74 FUNDING \$119,800
PROJECT OFFICER William Kroes
TITLE Study of Supervisory Effects on Worker Safety in the Roofing Industry
ABSTRACT Elaborate on the role of the foreman (first-line supervisors) in worker safety in the roofing industry, and identify distinguishing characteristics of safe vs. unsafe supervisors.
CONTRACTOR Management Sciences Co.
San Francisco, California
CONTRACT DIRECTOR Robert A. Cusera

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT CDC-99-74-38
CONTRACT PERIOD 06/26/74 - 09/25/75
FUNDS TO DATE \$159,200
FY 74 FUNDING \$159,200
PROJECT OFFICER Pierre Decoufle
TITLE Feasibility of Securing Research Defining
Accident Statistics
ABSTRACT Design an acceptable protocol for abstracting data from
existing records within selected industries; examine the
genesis of the data contained in these forms; evaluate the
OSHA 101 in its present form; and, in a self-coding form
to be developed as sources of the needed information,
preview coding methods and systems and identify accident
producing sequences.
CONTRACTOR Safety Sciences
San Diego, California
CONTRACT DIRECTOR D. M. J. Compton

*** CONTRACT CDC-99-74-59
CONTRACT PERIOD 06/26/74 - 12/31/75
FUNDS TO DATE \$127,800
FY 74 FUNDING \$127,800
PROJECT OFFICER Jeff I. Kamin
TITLE Development of Criteria and Standards for
Firefighters Gloves
ABSTRACT Evaluate the need for firefighters gloves, test existing
gloves, develop conceptual designs for functional
firefighters gloves and develop performance, testing,
and user standards which are suitable for employment
on a nationwide basis by the various fire services.
CONTRACTOR Arthur D. Little, Inc.
Cambridge, Massachusetts
CONTRACT DIRECTOR Gerard Coletta

*** CONTRACT CDC-99-74-62
CONTRACT PERIOD 06/26/74 - 06/25/76
FUNDS TO DATE \$93,278
FY 74 FUNDING \$93,278
PROJECT OFFICER Donald W. Badger
TITLE Pre-employment Strength Testing as a Basis for
Selecting Workers for Materials Handling Jobs
ABSTRACT Examine the effectiveness of pre-employment strength
testing as a criteria for selecting employees for
heavy work demands through the study of 400 jobs in
which workers are required to lift at least 35 pounds
at least once per work shift.
CONTRACTOR University of Michigan
Ann Arbor, Michigan
CONTRACT DIRECTOR Donald B. Chaffin

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT CDC-99-74-106
CONTRACT PERIOD 06/07/74 - 06/06/75
FUNDS TO DATE \$59,735
FY 74 FUNDING \$59,735
PROJECT OFFICER Jeff I. Kamin
TITLE Standardization of Friction Testing of Industrial Working Surfaces
ABSTRACT Develop standard test methods and procedures of friction testing and develop a friction testing machine needed to evaluate the interaction of footwear materials with typical industrial working surfaces.
CONTRACTOR Constock and Wescott, Inc.
Cambridge, Massachusetts
CONTRACT DIRECTOR Malcolm E. Reed

*** CONTRACT CDC-99-74-118
CONTRACT PERIOD 06/26/74 - 10/30/74
FUNDS TO DATE \$23,350
FY 74 FUNDING \$23,350
PROJECT OFFICER Jon R. May
TITLE Workshop on the Hazards of Manual Material Handling
ABSTRACT Convene a recognized panel of experts and conduct workshops on the hazards of manual material handling to critique published literature, define specific gaps in present knowledge, and develop criteria upon which future research programs could be based.
CONTRACTOR University of Michigan
Ann Arbor, Michigan
CONTRACT DIRECTOR Donald Chaffin

---STANDARDS DEVELOPMENT---

*** CONTRACT HSM-99-73-20
CONTRACT PERIOD 3/15/73 - 12/1/75
FUNDS TO DATE \$205,873
FY 74 FUNDING \$0
PROJECT OFFICER Stanley C. Mazeleski
TITLE Development of Criteria for Recommended Standards
ABSTRACT Develop documents containing pertinent information data, criteria and documentation, including a critical evaluation of all relevant material for establishing recommendations for a safe occupational exposure to the following chemical agents: carbon tetrachloride, chloroform, methylene chloride, ethylene dichloride, tetrachloroethylene, and 1,1,1-Trichloroethane.
CONTRACTOR Agatha Corporation
Cincinnati, Ohio
CONTRACT DIRECTOR Mitchell R. Zavon and Robert Mason

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT HSM-99-73-21
CONTRACT PERIOD 4/2/73 - 1/25/75
FUNDS TO DATE \$50,000
PY 74 FUNDING \$36,215
PROJECT OFFICER Thomas T. Luginbyhl and James L. Oser
TITLE In-depth Literature Searches
ABSTRACT Conduct in-depth literature searches in foreign and domestic published literature sources and deliver two hard copies of each pertinent article.
CONTRACTOR Tracor Jitco, Inc.
Rockville, Maryland
CONTRACT DIRECTOR Carl J. Wessel

*** CONTRACT HSM-99-73-26
CONTRACT PERIOD 4/15/73 - 8/15/75
FUNDS TO DATE \$220,735
PY 74 FUNDING \$12,322
PROJECT OFFICER Douglas Smith
TITLE Development of Criteria for Recommended Standards
ABSTRACT Develop documents containing pertinent information, data, criteria and documentation, including a critical evaluation of all relevant material for establishing recommendations for a safe occupational exposure to the following chemical agents: nitric oxide, nitrogen dioxide, nitric acid, phosphorous, phosphoric acid, and phosphine.
CONTRACTOR Tabershaw-Cooper Associates, Inc.
Berkeley, California
CONTRACT DIRECTOR Irving P. Tabershaw and Charles D. Yaffe

*** CONTRACT HSM-99-73-31
CONTRACT PERIOD 6/15/73 - 02/20/76
FUNDS TO DATE \$198,136
PY 74 FUNDING \$0
PROJECT OFFICER Jack McCracken
TITLE Development of Criteria for Recommendation of Standards
ABSTRACT Develop documents containing pertinent information, data, criteria and documentation, including a critical evaluation of all relevant material for establishing recommendations for a safe occupational exposure to the following chemical agents: hexavalent chromium compounds, sodium hydroxide, hydrogen cyanide, sodium cyanide, formaldehyde, and phenol.
CONTRACTOR University of Michigan
Ann Arbor, Michigan
CONTRACT DIRECTOR Lawrence Becker and Ralph G. Smith

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT HSM-99-73-36
CONTRACT PERIOD 6/15/73 - 10/15/75
FUNDS TO DATE \$204,108
FY 74 FUNDING \$0
PROJECT OFFICER Bryan D. Hardin
TITLE Development of Criteria for Recommended Standards
ABSTRACT Develop documents containing pertinent information, data, criteria and documentation, including a critical evaluation of all relevant material for establishing recommendations for a safe occupational exposure to the following chemical agents: ammonia, fluorides, hydrogen fluoride, phosgene, chlorine, and fluorine.
CONTRACTOR University of Washington
Seattle, Washington
CONTRACT DIRECTOR John T. Wilson

*** CONTRACT HSM-99-73-47
CONTRACT PERIOD 6/20/73 - 6/10/75
FUNDS TO DATE \$283,780
FY 74 FUNDING \$252,540
PROJECT OFFICER Thomas T. Luginbyhl and James Oser
TITLE Abstracting and Indexing of Documents
ABSTRACT Abstract and index documents pertaining to occupational safety and health for NIOSH.
CONTRACTOR Logical Technical Services Corporation
New York, New York
CONTRACT DIRECTOR Myron Norris

*** CONTRACT CDC-99-74-24
CONTRACT PERIOD 03/27/74 - 09/15/74
FUNDS TO DATE \$9,942
FY 74 FUNDING \$9,942
PROJECT OFFICER Herbert E. Christensen
TITLE WLN and Substructure Index for the Toxic Substances List 1974
ABSTRACT Supply Wiswesser Line Notations and prepare a substructure index for entries to the 1974 Toxic Substances List.
CONTRACTOR C.G. Associates
Cherry Hill, New Jersey
CONTRACT DIRECTOR Charles E. Granito

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT CDC-99-74-31
CONTRACT PERIOD 06/26/74 - 06/25/77
FUNDS TO DATE \$785,000
PY 74 FUNDING \$785,000
PROJECT OFFICER Herbert Christensen
TITLE Development of Eighteen Criteria Documents
ABSTRACT Prepare approximately 18 criteria documents dealing with chemical hazards selected by NIOSH. These documents will include: recommendation for a standard; biologic effects of exposure; environmental data, including sampling and analysis procedures; development of standard; work practices and sanitation; compatibility with other standards; and information gaps and research requirements.
CONTRACTOR Stanford Research Institute
Menlo Park, California
CONTRACT DIRECTOR David Discher

*** CONTRACT CDC-99-74-33
CONTRACT PERIOD 06/21/74 - 03/20/75
FUNDS TO DATE \$129,000
PY 74 FUNDING \$129,000
PROJECT OFFICER R. T. Hughes
TITLE Development of Industrial Ventilation Standards
ABSTRACT Update the ventilation standards specified in 29 CFR 1910-94 subparagraphs a, b, c, and d and develop new draft standards.
CONTRACTOR Arthur D. Little, Inc.
Cambridge, Massachusetts
CONTRACT DIRECTOR F.K. Bastress

*** CONTRACT CDC-99-74-43
CONTRACT PERIOD 06/26/74 - 07/30/76
FUNDS TO DATE \$160,000
PY 74 FUNDING \$160,000
PROJECT OFFICER Jack Butler
TITLE Recommended Medical Surveillance Standards
ABSTRACT Develop recommended medical surveillance standards for about 400 toxic substances; develop guidelines for medical surveillance; and provide summary medical information, written in layman's language, for use in informing exposed employees.
CONTRACTOR Kaiser Foundation International
Oakland, California
CONTRACT DIRECTOR James P. Hughes

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT CDC-99-74-44
CONTRACT PERIOD 06/26/74 - 07/30/76
FUNDS TO DATE \$400,000
FY 74 FUNDING \$400,000
PROJECT OFFICER Robert L. Peterson
TITLE Engineering, Personal Protective, and
Administrative Control Standards
ABSTRACT Provide information prescribing engineering, personal
protective, and administrative controls which can be
implemented to protect workers exposed to 400 named
chemical substances.
CONTRACTOR Arthur D. Little, Inc.
Cambridge, Massachusetts
CONTRACT DIRECTOR Lawrence J. Partridge, Jr.

*** CONTRACT CDC-99-74-45
CONTRACT PERIOD 06/26/74 - 07/30/76
FUNDS TO DATE \$1,000,000
FY 74 FUNDING \$1,000,000
PROJECT OFFICER John M. Bryant
TITLE Laboratory Validation of Air Sampling Methods Used to
Determine Environmental Concentrations in Workplaces
ABSTRACT Conduct tests resulting in a valid method of sampling
and analysis for each of approximately 400 specified
toxic substances.
CONTRACTOR Stanford Research Institute
Menlo Park, California
CONTRACT DIRECTOR Dale M. Coulson

*** CONTRACT CDC-99-74-65
CONTRACT PERIOD 06/26/74 - 03/25/75
FUNDS TO DATE \$67,070
FY 74 FUNDING \$67,070
PROJECT OFFICER Jon R. May
TITLE Work Practices and Engineering Control Procedures for
Controlling Fibrous Glass Exposure
ABSTRACT Develop a document reporting and evaluating all pertinent
work practices and engineering controls that can be used
to control occupational fibrous glass exposure during
the manufacture and use of fibrous glass.
CONTRACTOR Calspan Corporation
Buffalo, New York
CONTRACT DIRECTOR Clayton J. Schneider

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT CDC-99-74-70
CONTRACT PERIOD 06/21/74 - 06/20/75
FUNDS TO DATE \$52,590
FY 74 FUNDING \$52,590
PROJECT OFFICER Troy Marceleno
TITLE Development of a Criteria Document on Work Practice Standards for the Logging Industry
ABSTRACT Develop and evaluate information, from literature searches; contact with various State and Federal Officials, industry representatives, insurance carriers, etc.; and visits to logging sites, for input into recommendations on work practice standards for logging industry operations.
CONTRACTOR Bendix Launch Support Division
Cocoa Beach, Florida
CONTRACT DIRECTOR D.E. Lowry

*** CONTRACT CDC-99-74-77
CONTRACT PERIOD 04/25/74 - 07/30/74
FUNDS TO DATE \$26,155
FY 74 FUNDING \$26,155
PROJECT OFFICER Jon R. May
TITLE Symposium on Fibrous Glass
ABSTRACT Arrange and conduct a symposium on fibrous glass during the period of June 26 and June 27, 1974, for various participants from governmental, industrial and academic fields interested in fibrous glass and particularly the health effects of worker exposure to the material.
CONTRACTOR University of Maryland
College Park, Maryland
CONTRACT DIRECTOR Kenneth W. Nagy

*** CONTRACT CDC-99-74-92
CONTRACT PERIOD 06/28/74 - 06/27/75
FUNDS TO DATE \$134,824
FY 74 FUNDING \$134,824
PROJECT OFFICER Herbert E. Christensen
TITLE Automated File of the Toxic Substances List - 1975 Edition
ABSTRACT Revise and provide new information to the 1974 edition of the Toxic Substances List by identifying, acquiring, and evaluating relevant bodies of literature and technical reports.
CONTRACTOR Tracor/Jitco, Inc.
Rockville, Maryland
CONTRACT DIRECTOR Henry Lau

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT CDC-99-74-111
CONTRACT PERIOD 06/24/74 - 09/23/74
FUNDS TO DATE \$19,550
FY 74 FUNDING \$19,550
PROJECT OFFICER Gerald G. Wheeler
TITLE Design and Test an Information System to Serve
Complementary Standards Program
ABSTRACT Design, test, and implement a computer assisted information
system to suport the management of the joint NIOSH/OSHA
Complementary Standards Program.
CONTRACTOR Research Triangle Institute
Research Triangle Park, North Carolina
CONTRACT DIRECTOR Edward L. Hill

---SURVEILLANCE---

*** CONTRACT HSH-99-71-032
CONTRACT PERIOD 06/30/71 - 06/29/75
FUNDS TO DATE \$415,411
FY 74 FUNDING \$0
PROJECT OFFICER Joseph Gustin
TITLE A Study of Long Term Mortality Experiences of
Steel Workers
ABSTRACT Identify health and safety hazards in the
steel-working environment by noting specific work
areas and occupational groups which exhibit
unusually high or low mortality from specific
causes of death, and relate unusual disease
experience to possible etiologic agents in the
working environment.
CONTRACTOR Graduate School of Public Health, University of
Pittsburgh
Pittsburgh, Pennsylvania
CONTRACT DIRECTOR C. K. Redmond

*** CONTRACT HSM-99-73-5
CONTRACT PERIOD 12/1/72 - 12/30/74
FUNDS TO DATE \$96,318
FY 74 FUNDING \$0
PROJECT OFFICER J. William Lloyd
TITLE Retrospective Studies of Cancer in Relation
to Occupation
ABSTRACT Establish a representative sample of diseased
persons and retrospectively examine detailed
occupational histories for possible associations
with the disease to identify occupational groups
with unusually high risks of cancer at specific
sites.
CONTRACTOR Roswell Park Memorial Institute
Buffalo, New York
CONTRACT DIRECTOR Enrico Viadana

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT HSM-99-73-67
CONTRACT PERIOD 6/30/73 - 8/31/75
FUNDS TO DATE \$305,204
FY 74 FUNDING \$186,662
PROJECT OFFICER Jeffrey Jaeger
TITLE Trade Name Ingredient Clarification
ABSTRACT Provide for the requesting from manufacturers and processing of ingredient information for each trade name item encountered in the data collected during the National Occupational Hazard Survey as 75 percent of this data is reported as exposures to trade name compounds.
CONTRACTOR Auerbach Associates, Inc.
Philadelphia, Pennsylvania
CONTRACT DIRECTOR Herbert Landau

*** CONTRACT HSM-99-73-76
CONTRACT PERIOD 6/30/73 - 6/30/75
FUNDS TO DATE \$58,100
FY 74 FUNDING \$0
PROJECT OFFICER Joseph Gustin
TITLE Identification and Ordering of Topics for Priority List for Criteria Development in Occupational Safety
ABSTRACT Through a survey of safety professionals, and by use of the Delphi technique develop an ordered list of candidate areas for safety research and make recommendations concerning the feasibility of merging this list with the already existing NIOSH priority list for health hazards.
CONTRACTOR ALJ Associates, Inc.
McLean, Virginia
CONTRACT DIRECTOR J. L. Kirk

*** CONTRACT CDC-99-74-26
CONTRACT PERIOD 06/12/74 - 06/11/75
FUNDS TO DATE \$67,378
FY 74 FUNDING \$67,378
PROJECT OFFICER Pierre Decoufle
TITLE Occupation and Causes of Death
ABSTRACT Produce a set of statistical tables from the accumulated occupational and cause specific mortality data (about 300,000 records) and determine significant associations between any cause of death and any occupation.
CONTRACTOR University of Washington
Seattle, Washington
CONTRACT DIRECTOR Samuel Milham

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT CDC-99-74-40
CONTRACT PERIOD 06/26/74 - 06/25/76
FUNDS TO DATE \$325,000
FY 74 FUNDING \$325,000
PROJECT OFFICER A. W. Thomas
TITLE Professional and Technical Support for the
National Occupational Hazard Survey
ABSTRACT Clarify and integrate the NIOSH edited data for the
National Occupational Hazard Survey and then treat it
statistically returning to NIOSH a completed, computer
accessible data base and accompanying report, in NIOSH
specified formats.
CONTRACTOR Research Triangle Institute
Research Triangle Park, North Carolina
CONTRACT DIRECTOR E. L. Hill

---TECHNICAL SERVICES---

*** CONTRACT HSM-99-72-036
FUNDS TO DATE \$611,016
FY 74 FUNDING \$241,164
CONTRACT PERIOD 05/08/72 - 2/25/75
PROJECT OFFICER Thomas T. Luginbyhl
TITLE Automated Occupational Safety and Health
Information Storage and Retrieval System
ABSTRACT Develop an automated technical information storage
and retrieval system to fulfill basic information
needs of NIOSH.
CONTRACTOR Systems Research Company
Philadelphia, Pennsylvania
CONTRACT DIRECTOR Raymond B. Webster

*** CONTRACT CDC-99-74-1
CONTRACT PERIOD 08/30/73 - 11/15/73
FUNDS TO DATE \$8,025
FY 74 FUNDING \$8,025
PROJECT OFFICER Herbert Hohn
TITLE NIOSH Participation in Caravan Tours
ABSTRACT Provide space for a NIOSH exhibit aboard
a mobile van for a four week tour of various
demonstration sites.
CONTRACTOR Cahners Publishing Co.
Englewood, Colorado
CONTRACT DIRECTOR Thomas McCormish

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT CDC-99-74-58
CONTRACT PERIOD 05/16/74 - 12/15/74
FUNDS TO DATE \$24,585
FY 74 FUNDING \$24,585
PROJECT OFFICER Richard J. Lewis
TITLE Manual of Good Industrial Practices for Piberous
Glass Lay-Up workers
ABSTRACT Prepare a manual that is easy to read and comprehend that
will include all major hazards likely to be encountered
by fibrous glass lay-up workers.
CONTRACTOR Calspan Corporation
Buffalo, New York
CONTRACT DIRECTOR Andrew Pifer

*** CONTRACT CDC-99-74-73
CONTRACT PERIOD 04/26/74 - 11/25/74
FUNDS TO DATE \$11,509
FY 74 FUNDING \$11,509
PROJECT OFFICER Richard J. Lewis
TITLE Good Practices Manual for Insulation Installers
ABSTRACT Provide a manual of good industrial hygiene and safety
practices involving insulation installers to help
installers and their immediate supervisors to
recognize the potential hazards, understand the
risk involved, and provide guidance on proper
methods of minimizing risks.
CONTRACTOR Educational Services Institute
Cincinnati, Ohio
CONTRACT DIRECTOR William Hickox

*** CONTRACT CDC-99-74-79
CONTRACT PERIOD 05/10/74 - 12/09/74
FUNDS TO DATE \$16,240
FY 74 FUNDING \$16,240
PROJECT OFFICER Phillip A. Froehlich
TITLE Manual of Good Industrial Hygiene Practices for Abrasive
Metal Working and Mechanical Finishing Workers
ABSTRACT Provide a manual of good industrial hygiene and safety
practices involving abrasive metal working and mechanical
finishing to help employees and their supervisors recognize
potential hazards, understand the risks involved, and
provide guidance for proper methods of minimizing risks.
CONTRACTOR National Loss Control Service Corporation
Long Grove, Illinois
CONTRACT DIRECTOR Daniel P. Benevich

* ACTIVE NIOSH CONTRACTS *

*** CONTRACT CDC-99-74-81
CONTRACT PERIOD 05/09/74 - 12/08/74
FUNDS TO DATE \$12,379
PY 74 FUNDING \$12,379
PROJECT OFFICER Phillip A. Froehlich
TITLE Manual of Good Industrial Hygiene Practices for Workers
in the Rendering Industry
ABSTRACT Provide a manual of good industrial hygiene practices
involving rendering of animal fats and oils to help
employees and their supervisors to recognize potential
hazards, understand the risks involved, and provide
guidance for proper methods of minimizing risks.
CONTRACTOR Calspan Corporation
Buffalo, New York
CONTRACT DIRECTOR Joel O. Emmett

*** CONTRACT CDC-99-74-99
CONTRACT PERIOD 06/12/74 - 03/11/75
FUNDS TO DATE \$18,184
PY 74 FUNDING \$18,184
PROJECT OFFICER Phillip A. Froehlich
TITLE Manual of Good Industrial Hygiene Practices for
Workers in the Epoxy Resin Industry
ABSTRACT Provide a manual of good industrial hygiene and
safety practices for epoxy resin workers for
employees and their supervisors to allow them to
recognize the hazards, understand the risks, and
minimize the risks by proper methods.
CONTRACTOR Dow Chemical Company
Midland, Michigan
CONTRACT DIRECTOR L. K. Skory

*** CONTRACT CDC-99-74-103
CONTRACT PERIOD 06/04/74 - 01/03/75
FUNDS TO DATE \$17,675
PY 74 FUNDING \$17,675
PROJECT OFFICER Richard J. Lewis
TITLE Manual of Good Industrial Hygiene Practices for Workers
in the Tanning Industry
ABSTRACT Provide a manual of good industrial hygiene and safety
practices involving tannery workers to help these workers
and their supervisors recognize the potential hazards,
understand the risks, and provide guidance for proper
method of minimizing risks.
CONTRACTOR ROIT Corporation
Westwood, Massachusetts
CONTRACT DIRECTOR Max S. Maire

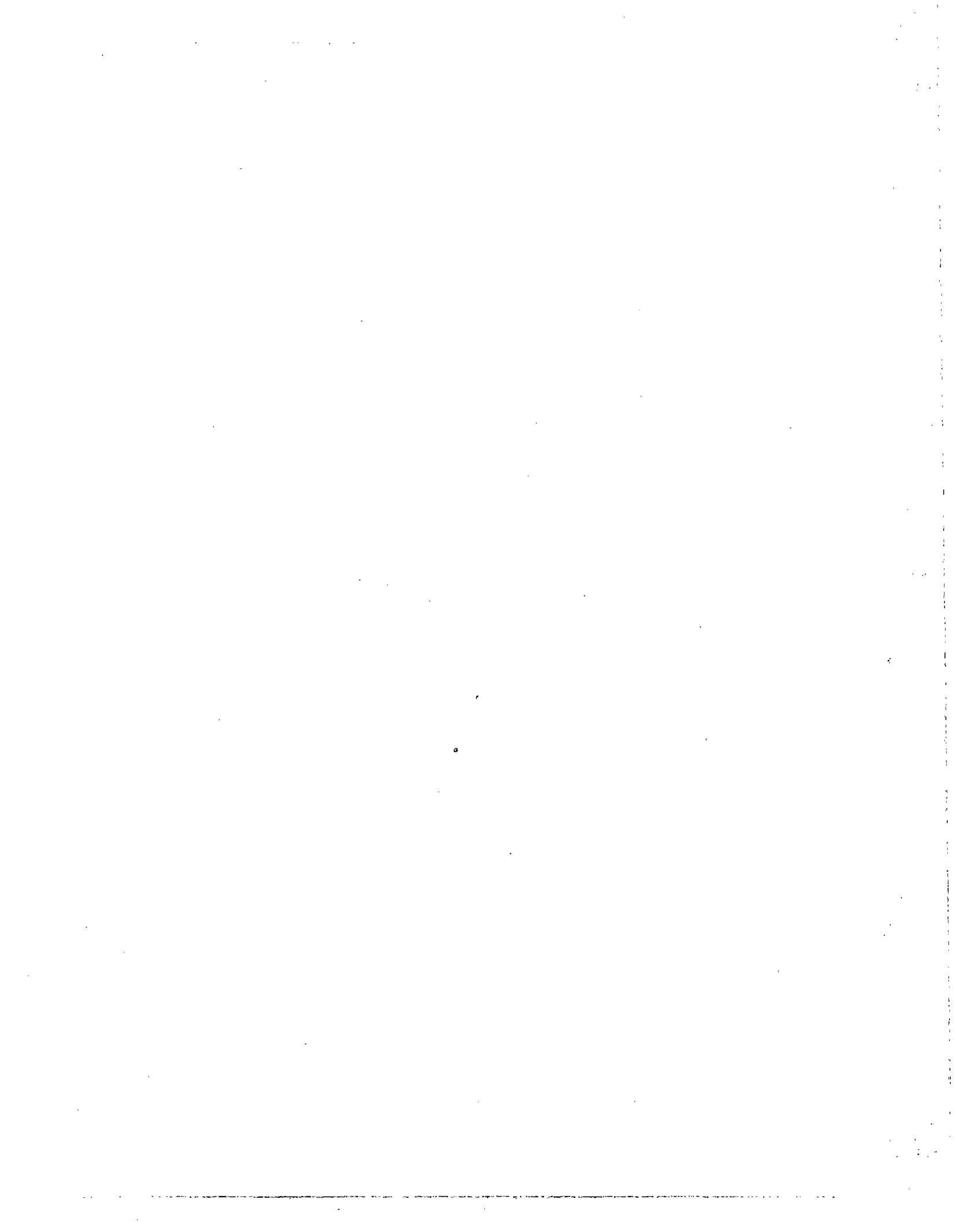
* ACTIVE NIOSH CONTRACTS *

*** CONTRACT CDC-99-74-104
CONTRACT PERIOD 06/05/74 - 01/04/75
FUNDS TO DATE \$41,820
FY 74 FUNDING \$41,820
PROJECT OFFICER Phillip A. Froehlich
TITLE Good Practices Manual for Automotive Body Shop Workers
and Manual for Good Industrial Hygiene Practices for
Textile Dyers
ABSTRACT Prepare a manual that will include all major hazards likely
to be encountered by automotive body shop workers and a
second manual that will include the same for workers
involved with dyeing textiles.
CONTRACTOR Raytheon Service Company
Burlington, Massachusetts
CONTRACT DIRECTOR Frank Byrne

*** CONTRACT CDC-99-74-105
CONTRACT PERIOD 05/31/74 - 12/30/74
FUNDS TO DATE \$12,075
FY 74 FUNDING \$12,075
PROJECT OFFICER Phillip A. Froehlich
TITLE Good Practices Manual for Bulk Pesticide Applicators
ABSTRACT Provide a manual of good industrial hygiene and safety
practices involving bulk pesticide applicators for
employees and their supervisors to recognize potential
hazards, understand the risks, and to provide guidance
on proper methods of minimizing risks.
CONTRACTOR Brown Graphics
Danascus, Maryland
CONTRACT DIRECTOR Roderick L. Frown

*** CONTRACT CDC-99-74-107
CONTRACT PERIOD 06/18/74 - 01/17/75
FUNDS TO DATE \$16,950
FY 74 FUNDING \$16,950
PROJECT OFFICER Richard J. Lewis
TITLE Manual of Good Industrial Hygiene Practices for
Polyurethane Foamers
ABSTRACT Provide a manual of good industrial hygiene practices
involving polyurethane foaming for employees and their
supervisors to allow recognition of potential hazards,
understanding of risks, and guidance for proper methods
of minimizing risks.
CONTRACTOR Calspan Corporation
Buffalo, New York
CONTRACT DIRECTOR Andrew J. Pifer

SECTION II - INTERAGENCY AGREEMENTS



INDEX OF INTERAGENCY AGREEMENTS

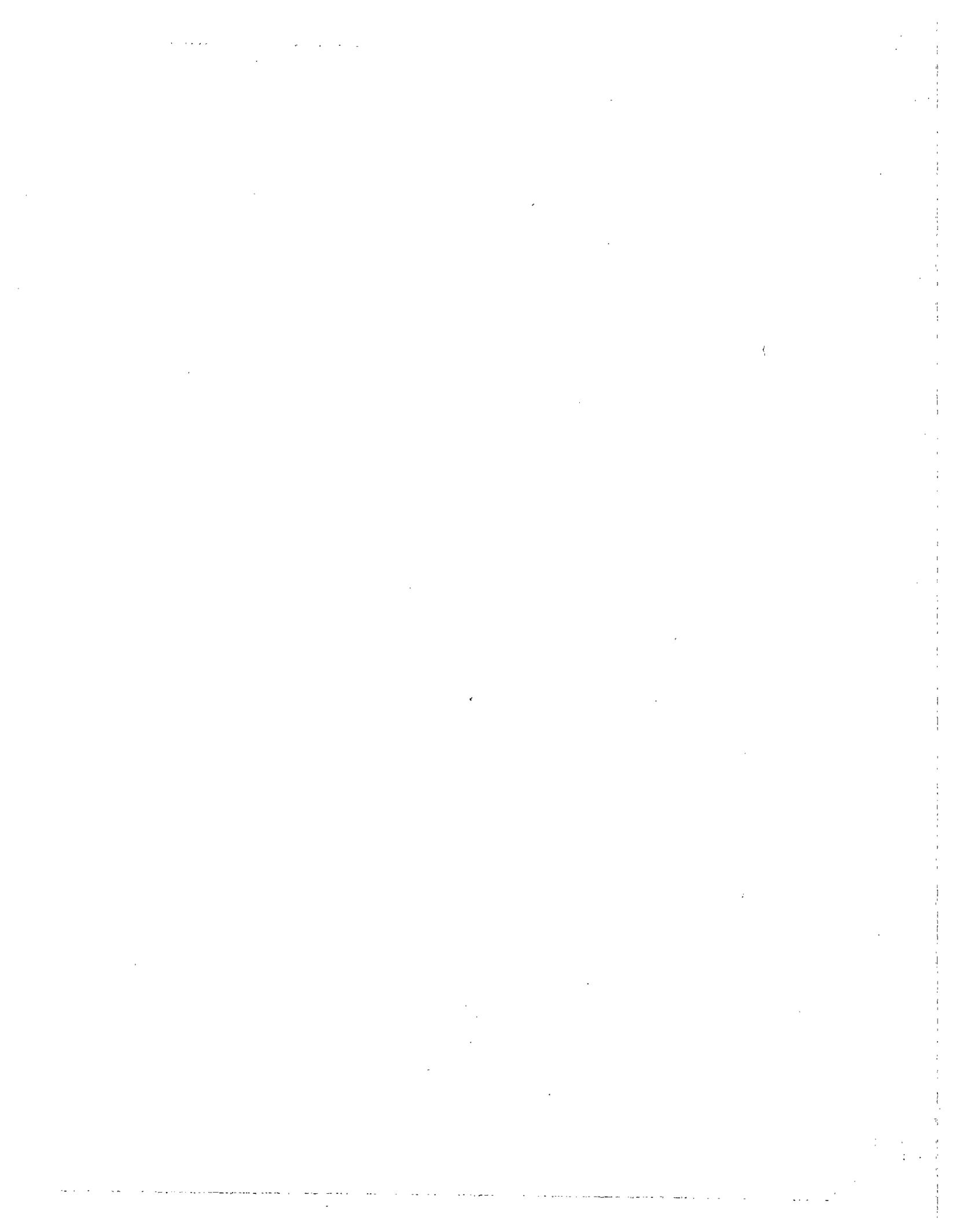
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* ACTIVE NIOSH INTERAGENCY AGREEMENTS *

*** AGREEMENT NIOSH-I-71-10
FUNDS TO DATE \$310,000
FY 74 FUNDING \$75,000
PROJECT OFFICER Alan H. Purdy
TITLE X-ray Technician Training
ABSTRACT Provides NIOSH support for the continuation of the X-ray Science and Engineering Laboratory project at Oregon State University.
AGENCY Bureau of Radiological Health
Food and Drug Administration
PROJECT DIRECTOR William J. Felton

*** AGREEMENT NIOSH-I-72-03
FUNDS TO DATE \$190,000
FY 74 FUNDING \$90,000
PROJECT OFFICER John V. Crable
TITLE Gas and Vapor Sampling Tube Development
ABSTRACT Develop a new solvent and gas sampling system for the analysis of air for occupational health evaluation and also develop a method or methods of analyzing these gases and vapors after sampling.
AGENCY Atomic Energy Commission
Los Alamos, New Mexico
PROJECT DIRECTOR Evan Campbell

*** AGREEMENT NIOSH-I-72-12
FUNDS TO DATE \$0
FY 74 FUNDING \$0
PROJECT OFFICER Robert H. Schutz
TITLE Respirator Testing
ABSTRACT Defines NIOSH - Bureau of Mines roles and relationships in the testing and certification of respirators for use in coal mines.
AGENCY Bureau of Mines
Washington, D. C.
PROJECT DIRECTOR William R. Wayment

* ACTIVE NIOSH INTERAGENCY AGREEMENTS *

*** AGREEMENT NIOSH-I-73-03
 FUNDS TO DATE \$0
 PY 74 FUNDING \$0
 PROJECT OFFICER Donald W. Badger and D.E. Wasserman
 TITLE Collaborative Vibration Research
 ABSTRACT Provides for NIOSH participation in Aerospace Medical Research Laboratory (AMRL) vibration research experiments using AMRL facilities. Also, new research protocols, particularly in the area of chronic/occupational vibration exposure (animal studies) will be developed.
 AGENCY Department of the Air Force, Aerospace Medical Research Laboratory
 Wright-Patterson Air Force Base
 Dayton, Ohio
 PROJECT DIRECTOR H.E. Von Gierke

*** AGREEMENT NIOSH-I-73-08
 FUNDS TO DATE \$0
 PY 74 FUNDING \$0
 PROJECT OFFICER James S. Ferguson
 TITLE Training Agreement
 ABSTRACT Defines the responsibilities and areas of operation of NIOSH and the Occupational Safety and Health Administration, Department of Labor, in the training and employee education area so that routine activities can be conducted without the need for repetitive clearance actions and to prevent duplication of effort.
 AGENCY Occupational Safety and Health Administration,
 Department of Labor
 PROJECT DIRECTOR Earle Heath

*** AGREEMENT NIOSH-I-73-16
 FUNDS TO DATE \$125,000
 PY 74 FUNDING \$20,000
 PY 75 FUNDING \$30,000
 PROJECT OFFICER Patricia M. Gussey
 TITLE Respirator Canister and Cartridge Testing Apparatus for the NIOSH Testing and Certification Laboratory
 ABSTRACT Design, fabricate, calibrate, test, and deliver gas and vapor cartridge and canister test apparatus for (1) carbon monoxide, (2) ammonia, methylamine, (3) nitrogen dioxide, sulfur dioxide, (4) chlorine gas, hydrochloric acid, (5) carbon tetrachloride, and (6) and peripheral equipment.
 AGENCY Atomic Energy Commission
 Berkeley, California
 PROJECT DIRECTOR Garry Nelson

* ACTIVE NIOSH INTERAGENCY AGREEMENTS *

*** AGREEMENT NIOSH-I-73-21
FUNDS TO DATE \$467,500
FY 74 FUNDING \$255,000
PROJECT OFFICER Lester D. Scheel and Trent Lewis
TITLE Inhalation Toxicology Research on Coal Tar
Volatiles and Low Molecular Weight Fluorocarbons
ABSTRACT Investigate the toxicological effects of coal
tar volatiles, as from coke oven emissions, on
laboratory animals, and evaluate the dose of
fluorocarbon required to produce cardiac
arrhythmia following inhalation exposure.
AGENCY Aerospace Medical Division (AFSC)
Wright-Patterson AFB, Ohio
PROJECT DIRECTOR Anthony A. Thomas

*** AGREEMENT NIOSH-IA-73-22
FUNDS TO DATE \$0
FY 74 FUNDING \$0
PROJECT OFFICER Howard L. McMartin
TITLE Use of Laboratory Facilities, Training and Employee
Education, and Matters of General Administration
ABSTRACT Defines certain responsibilities of OSHA and NIOSH in
the performance of their requirements under the
Occupational Safety and Health Act of 1970.
AGENCY Occupational Safety and Health Administration

*** AGREEMENT NIOSH-I-74-07
FUNDS TO DATE \$44,000
FY 74 FUNDING \$11,000
PROJECT OFFICER Alexander Cohen
TITLE Support for Committee on Hearing, Bioacoustics, and
Biomechanics
ABSTRACT Provides for NIOSH support for the activities of the
Committee on Hearing, Bioacoustics and Biomechanics
which in turn will provide NIOSH with technical assistance
including promoting exchange of research information,
research planning to meet future operational problems,
and applying available scientific information in the
solution of current NIOSH operational problems.
AGENCY Office of Naval Research

* ACTIVE NIOSH INTERAGENCY AGREEMENTS *

*** AGREEMENT NIOSH-I-74-08
 FUNDS TO DATE \$102,380
 FY 74 FUNDING \$52,380
 PROJECT OFFICER Anthony A. Angotti
 TITLE Development of Contaminant Generation Systems
 ABSTRACT Provide NIOSH with reliable systems and methodology for the evaluation of gas detector tubes and instrumentation for detection of specified gases in occupational atmospheres.
 AGENCY National Bureau of Standards
 Germantown, Maryland
 PROJECT DIRECTOR John K. Taylor

*** AGREEMENT NIOSH-IA-74-9
 FUNDS TO DATE \$75,000
 FY 74 FUNDING \$75,000
 PROJECT OFFICER Charles S. McCammon
 TITLE Development of a Whole Air Sampler
 ABSTRACT Develop a time integrating whole air sampler for use by compliance inspectors and hygienists.
 AGENCY Naval Research Laboratory
 Washington, D.C.
 PROJECT DIRECTOR Homer W. Carhart

*** AGREEMENT NIOSH-IA-74-11
 FUNDS TO DATE \$100,000
 FY 74 FUNDING \$100,000
 PROJECT OFFICER Charles S. McCammon and David G. Taylor
 TITLE Solid State Gas and Vapor Sample Collection Techniques
 ABSTRACT Develop sampling procedures and devices for the collection of specified toxic gases in industrial atmospheres for use in personal sampling applications and utilizing only solid state absorbers.
 AGENCY National Bureau of Standards
 PROJECT DIRECTOR John K. Taylor

*** AGREEMENT NIOSH-IA-74-12
 FUNDS TO DATE \$25,158
 FY 74 FUNDING \$25,158
 PROJECT OFFICER David L. Conover
 TITLE Development of Near Field RF Monitoring Instrument:
 Magnetic Field
 ABSTRACT Develop a portable survey instrument which will measure the total magnetic field strength of an electromagnetic field.
 AGENCY National Bureau of Standards
 Boulder, Colorado
 PROJECT DIRECTOR Frank M. Green and Donald F. Rowman

* ACTIVE NIOSH INTERAGENCY AGREEMENTS *

*** AGREEMENT NIOSH-IA-74-13
FUNDS TO DATE \$14,400
FY 74 FUNDING \$14,400
PROJECT OFFICER David L. Conover
TITLE Development of Near Field RF Monitoring Instrument:
Electric Field
ABSTRACT Develop a portable survey instrument which will directly
measure the electric field energy density of electromagnetic
fields.
AGENCY National Bureau of Standards
Boulder, Colorado
PROJECT DIRECTOR Ronald P. Bowman

*** AGREEMENT NIOSH-IA-74-14
FUNDS TO DATE \$60,000
FY 74 FUNDING \$60,000
PROJECT OFFICER David G. Taylor and Charles S. McCannon
TITLE Development and Evaluation of Solid Sorbents for
Monitoring Workplace Air Pollutants
ABSTRACT Develop and evaluate methods for sampling and analysis
of workroom air for occupational safety and health
evaluation.
AGENCY Aerospace Research Laboratories
Chemistry Research Laboratory
U.S. Air Force Systems Command
PROJECT DIRECTOR Thomas O. Tiernan

*** AGREEMENT NIOSH-IA-74-16
FUNDS TO DATE \$1,000
FY 74 FUNDING \$1,000
PROJECT OFFICER Barry L. Johnson and Thomas L. Anania
TITLE NIOSH Border Crossing Carbon Monoxide Study
ABSTRACT Provides for the establishment of a cooperative study
between NIOSH and the Immigration and Naturalization
Service to determine the effects of carbon monoxide
exposure at three U.S. Mexico border crossing stations.
AGENCY Immigration and Naturalization Service
Department of Justice

*** AGREEMENT NIOSH-IA-74-17
FUNDS TO DATE \$81,000
FY 74 FUNDING \$81,000
PROJECT OFFICER John V. Crable and Russell H. Hendricks
TITLE Provision of Support for NIOSH Laboratory Services and
an Industrial Hygiene Manual
ABSTRACT Provides reimbursement for the provision of laboratory
services and the development of an industrial hygiene
manual for the Occupational Safety and Health Administration.
AGENCY Occupational Safety and Health Administration

* ACTIVE NIOSH INTERAGENCY AGREEMENTS *

*** AGREEMENT NIOSH-IA-74-18
FUNDS TO DATE \$24,000
FY 74 FUNDING \$24,000
PROJECT OFFICER Charles S. McCammon
TITLE Testing the Effects of Environmental Extremes on
Detector Tube Accuracy
ABSTRACT Test two brands of detector tubes for carbon dioxide,
carbon monoxide, nitric oxide, nitrogen dioxide,
sulfur dioxide, hydrogen sulfide, and aldehydes at
environmental extremes to determine the effects of
environmental conditions on accuracy.
AGENCY Bureau of Mines
PROJECT DIRECTOR George Schnakenberg, Jr.

*** AGREEMENT NIOSH-IA-74-19
FUNDS TO DATE \$71,500
FY 74 FUNDING \$27,500
FY 75 FUNDING \$44,000
PROJECT OFFICER William H. Bowman
TITLE GSA Data Processing Services
ABSTRACT Provides ADP services including programming support
for NIOSH.
AGENCY GSA
PROJECT DIRECTOR Barry Petroff

*** AGREEMENT NIOSH-IA-74-20
FUNDS TO DATE \$50,000
FY 74 FUNDING \$50,000
PROJECT OFFICER James F. Cavender
TITLE Development of Standard Reference Materials
ABSTRACT Develop Standard Reference Materials for quartz,
lead, zinc, tin, manganese, and beryllium on filters,
and mercury in urine and fluoride in urine.
AGENCY National Bureau of Standards
PROJECT DIRECTOR John K. Taylor

* ACTIVE NIOSH INTERAGENCY AGREEMENTS *

*** AGREEMENT NIOSH-IA-74-23
FUNDS TO DATE \$235,000
FY 75 FUNDING \$100,000
PROJECT OFFICER Alan K. Gudeman and George A. Carson
TITLE Respirator Test Methods, Respirator Program Guide,
and Aerosol Studies and Sampler Development
ABSTRACT Develop test methods and equipment for respirator
leakage tests, face piece and harness pressure tests
and filter penetration tests; develop a respirator
program guide for publication by NIOSH; and develop
sampling techniques for particulate filters, techniques
for generation of asbestos test atmospheres, new
personal dust samplers, and continuous industrial
air monitors for particulates.
AGENCY Atomic Energy Commission
Los Alamos, New Mexico
PROJECT DIRECTOR Bruce J. Held and Harry J. Ettinger

*** AGREEMENT NIOSH-IA-74-24
FUNDS TO DATE \$18,000
FY 74 FUNDING \$18,000
PROJECT OFFICER James H. Cavender
TITLE Proficiency Analytical Testing (PAT) Quality Control
Surveillance Program
ABSTRACT Provides for analysis of samples of lead, cadmium, zinc,
silica, asbestos, and organic solvent on filters and
charcoal tubes, which have been collected by the
PAT program.
AGENCY National Bureau of Standards
PROJECT DIRECTOR John K. Taylor

*** AGREEMENT NIOSH-IA-74-25
FUNDS TO DATE \$27,500
FY 74 FUNDING \$27,500
PROJECT OFFICER Alan K. Gudeman
TITLE Respiratory Selection for Supplemental Standards
ABSTRACT Develop a respirator selection guide with rationale
which will provide necessary criteria for respirator
selection for protection against toxic gases, vapors,
and particulates; and prepare, according to the
guidelines of the respirator selection guide, specific
respirator usage requirements for 200 substances
contained in 29CFR1910, Occupational Safety and
Health Standards.
AGENCY Atomic Energy Commission
Los Alamos, New Mexico
PROJECT DIRECTOR Bruce J. Held

* ACTIVE NIOSH INTERAGENCY AGREEMENTS *

*** AGREEMENT NIOSH-IA-74-26
FUNDS TO DATE \$20,000
FY 74 FUNDING \$20,000
PROJECT OFFICER Alfred C. Flackman
TITLE An Assessment of Fire-Suppressant and Fire Retardant
Polymeric Materials
ABSTRACT Provides support for a multiagency study by contract
on fire-suppressant and fire retardant polymeric
materials which are used in several categories of
enclosed structures.
AGENCY National Bureau of Standards
PROJECT OFFICER

*** AGREEMENT NIOSH-IA-74-27
FUNDS TO DATE \$46,860 Reimbursable
FY 74 FUNDING \$46,860
PROJECT OFFICER Thomas T. Luginbyhl and James L. Oser
TITLE Automated Occupational Safety and Health Technical
Information Storage and Retrieval System
ABSTRACT Provides support for the NIOSH computerized technical
information retrieval system in return for the access
of EPA to the on-line retrieval system.
AGENCY Environmental Protection Agency
PROJECT DIRECTOR Frank D. Kover

*** AGREEMENT NIOSH-IA-74-28
FUNDS TO DATE \$90,000
FY 74 FUNDING \$40,000
FY 75 FUNDING \$50,000
PROJECT OFFICER A.W. Thomas and Glen D. Drew
TITLE Monitoring Assistance for Professional and Technical
Support for the National Occupational Hazards Survey
ABSTRACT Provides technical consultation, assistance, and services
for the analysis of data collection under NOHS.
AGENCY Crane Naval Ammunition Depot
Department of Defense

*** AGREEMENT NIOSH-IA-74-30
FUNDS TO DATE \$4,000
FY 74 FUNDING \$4,000
PROJECT OFFICER Thomas T. Luginbyhl
TITLE Translation of Chemical Analysis of the Air of Industrial
Enterprises
ABSTRACT Provides for the English language translation of a Russian
publication.
AGENCY Environmental Protection Agency
PROJECT DIRECTOR Chandlee Murphy

* ACTIVE NIOSH INTERAGENCY AGREEMENTS *

*** AGREEMENT NIOSH-IA-74-31
 FUNDS TO DATE \$5,000
 PY 74 FUNDING \$5,000
 PROJECT OFFICER Alan H. Purdy
 TITLE Radiation and Radioisotope Imaging: Present Status
 and Future Trends
 ABSTRACT Provides support of an interagency study to assess
 radiological imaging.
 AGENCY National Science Foundation
 PROJECT DIRECTOR Gilbert B. Devey

*** AGREEMENT NIOSH-IA-74-32
 FUNDS TO DATE \$5,000
 PY 74 FUNDING \$5,000
 PROJECT OFFICER C.S. Mahrok
 TITLE Consultative Services for Research Requirements Document
 on Footwear and/or Working Surfaces
 ABSTRACT Provides NBS review of a draft document in research
 requirements on footwear and/or working surfaces.
 AGENCY National Bureau of Standards
 PROJECT DIRECTOR R.S. Mach

*** AGREEMENT NIOSH-IA-74-33
 FUNDS TO DATE \$5,000
 PY 74 FUNDING \$5,000
 PROJECT OFFICER Robert T. Hughes
 TITLE Evaluation of a Cotton Dust Control System at the
 Atlanta Federal Penitentiary
 ABSTRACT Permits NIOSH to assist the Federal Prison
 Industries to design and install a dust control
 system on cotton mill pickers, and permits NIOSH
 to perform cotton dust sampling experiments to
 determine the effectiveness of the installed dust
 control system.
 AGENCY Federal Prison Industries
 U.S. Department of Justice

* ACTIVE NIOSH INTERAGENCY AGREEMENTS *

*** AGREEMENT NIOSH-IA-74-34
FUNDS TO DATE \$53,000
FY 74 FUNDING \$53,000
PROJECT OFFICER Lester Scheel and Jon R. May
TITLE Toxicological Evaluation of Ethyl Parathion in Dogs and Rats
ABSTRACT Perform subacute inhalation and oral toxicity studies on ethyl parathion using dogs and rats and determine inhalation-to-oral toxicity ratios for both species. Perform acute oral and inhalation ED 50's for ethyl parathion using the same two species of mammal and determine inhalation-to-oral toxicity ratios.
AGENCY Biomedical Laboratory, Aberdeen Proving Ground, Edgewood, Maryland
PROJECT DIRECTOR R.P. McNamara

*** AGREEMENT NIOSH-IA-74-35
FUNDS TO DATE \$750,000
FY 74 FUNDING \$750,000
PROJECT OFFICER Alexander W. Teass and George A. Carson
TITLE Development of Sampling and Analytical Methods for Carcinogens
ABSTRACT Develop and evaluate test methods of the following type for 14 specific carcinogens: nonspecific, non-quantitative field detection, specific laboratory identification, quantitative air sampling; and evaluate existing commercial respirator sorbents for protection against the 14 carcinogens.
AGENCY Atomic Energy Commission
Los Alamos, New Mexico
PROJECT DIRECTOR Harry J. Ettinger and Bruce J. Held

*** AGREEMENT NIOSH-IA-74-37
FUNDS TO DATE \$4,000
FY 74 FUNDING \$4,000
PROJECT OFFICER Marcus M. Key
TITLE Conference of the Working Group on Toxicity of Vinyl Chloride - Polyvinyl Chloride, May 10-11, 1974
ABSTRACT Provides support and sponsorship for the Conference of the Working Group on Toxicity of Vinyl Chloride-Polyvinyl Chloride, May 10-11, 1974.
AGENCY National Institutes of Health

* ACTIVE NIOSH INTERAGENCY AGREEMENTS *

*** AGREEMENT NIOSH-I-75-01
FUNDS TO DATE \$248,000
PY 74 FUNDING \$50,000
PROJECT OFFICER Leonard G. Salvin
TITLE Data Processing Services
ABSTRACT Provide for on-line computer time, as well as keypunching, batch processing, and computer programming services.
AGENCY National Institutes of Health
Bethesda, Maryland
PROJECT DIRECTOR Mary G. Allen

*** AGREEMENT NIOSH-I-75-02
FUNDS TO DATE \$2,500
PY 75 FUNDING \$2,500
PROJECT OFFICER Leonard G. Salvin
TITLE Taxpayer Address Data
ABSTRACT Provides the last filing date for certain Federal taxpayers included in occupational health studies.
AGENCY Internal Revenue Service
Washington, D.C.
PROJECT DIRECTOR Alex Sintetos

*** AGREEMENT NIOSH-IA-75-3
FUNDS TO DATE \$2,000
PY 75 FUNDING \$2,000
PROJECT OFFICER Pierre Deconfle
TITLE Retrospective Mortality Survey of Coal Miners
ABSTRACT Provides the following information on 3,800 names and social security numbers: (1) last quarter for which earnings have been reported, or (2) date of and location of death claim, (3) last residence of deceased, and (4) date of and state of last employment if last residence cannot be provided.
AGENCY Social Security Administration
PROJECT DIRECTOR Vincent A. Serio

*** AGREEMENT NIOSH-I-75-04
FUNDS TO DATE \$66,000
PY 75 FUNDING \$16,500
PROJECT OFFICER John F. Bester
TITLE Grant Review and Approval Services
ABSTRACT Provides for National Institutes of Health, Division of Research Grants, review and approval services for NIOSH grants.
AGENCY National Institutes of Health, Division of Research Grants

* ACTIVE NIOSH INTERAGENCY AGREEMENTS *

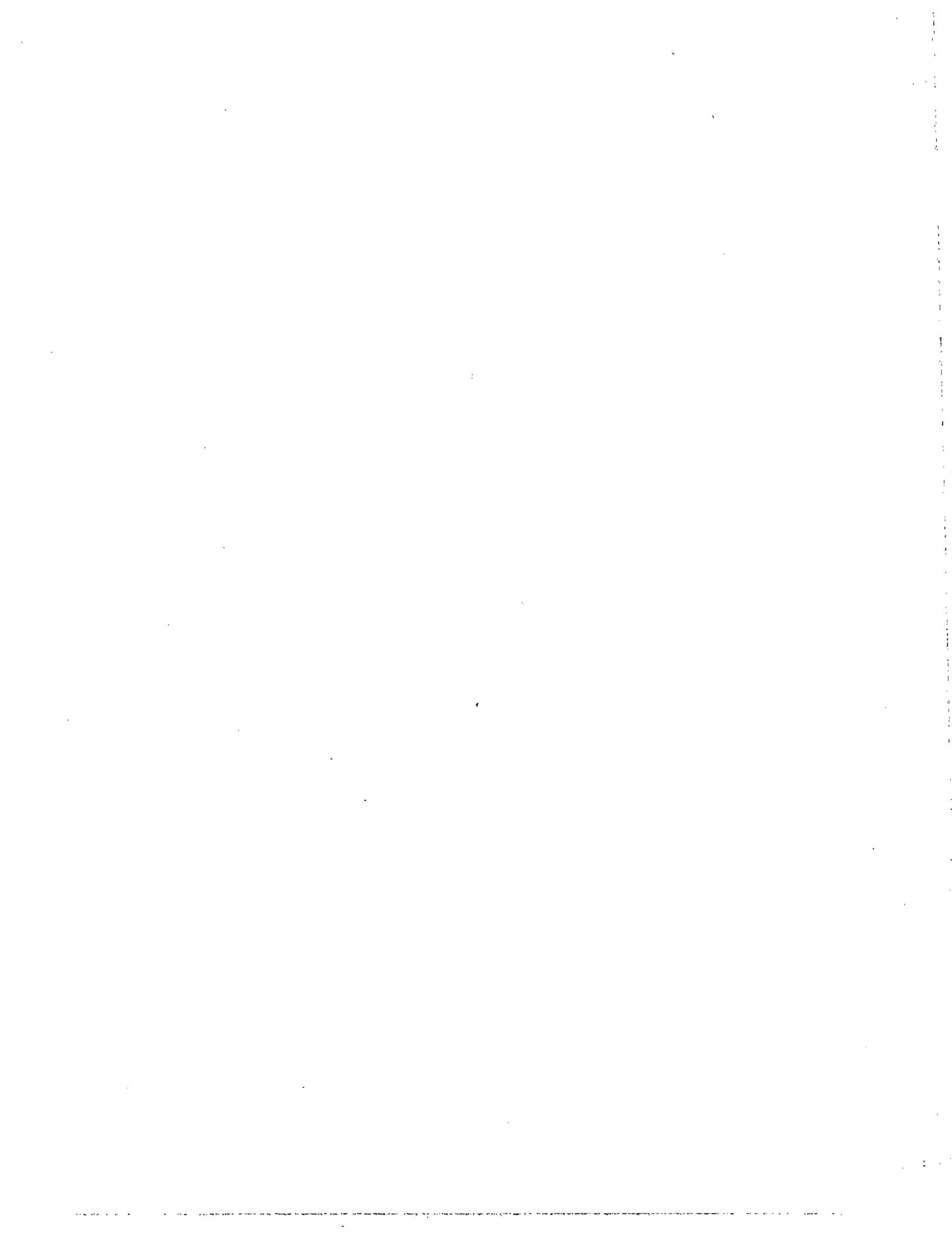
*** AGREEMENT NIOSH-IA-75-5
FUNDS TO DATE \$1,000
FY 75 FUNDING \$1,000
PROJECT OFFICER David Bayliss
TITLE Mortality Data in Connection with Health Research Study of Individuals in the Plastic Industry
ABSTRACT Provides the following information on 2,500 names and social security numbers (1) last quarter for which earnings have been reported, or (2) date of and location of death claim, (3) last residence of deceased, and (4) date of and state of last employment if last residence cannot be provided.
AGENCY Social Security Administration
PROJECT DIRECTOR Vincent A. Serio

*** AGREEMENT NIOSH-IA-75-10
FUNDS TO DATE \$100,000
FY 75 FUNDING \$100,000
PROJECT OFFICER Anthony Angotti
TITLE Development of NIOSH Test Standards
ABSTRACT Develop test standards for the production of accurate mixtures of low concentrations of gases and vapors in air for the purpose of providing standard test atmospheres for the testing of portable gas and vapor sampling instruments.
AGENCY National Bureau of Standards
PROJECT DIRECTOR

*** AGREEMENT NIOSH-IA-75-12
FUNDS TO DATE \$1,500
FY 75 FUNDING \$1,500
PROJECT OFFICER Carl E. Ortmeyer
TITLE Mortality Data in Connection with Health Research Study of Coal Miners
ABSTRACT Provides the following information on 3,500 names and social security numbers (1) last quarter for which earnings have been reported, or (2) date of and location of death claim, (3) last residence of deceased, and (4) date of and state of last employment if last residence cannot be provided.
AGENCY Social Security Administration
PROJECT DIRECTOR Vincent A. Serio

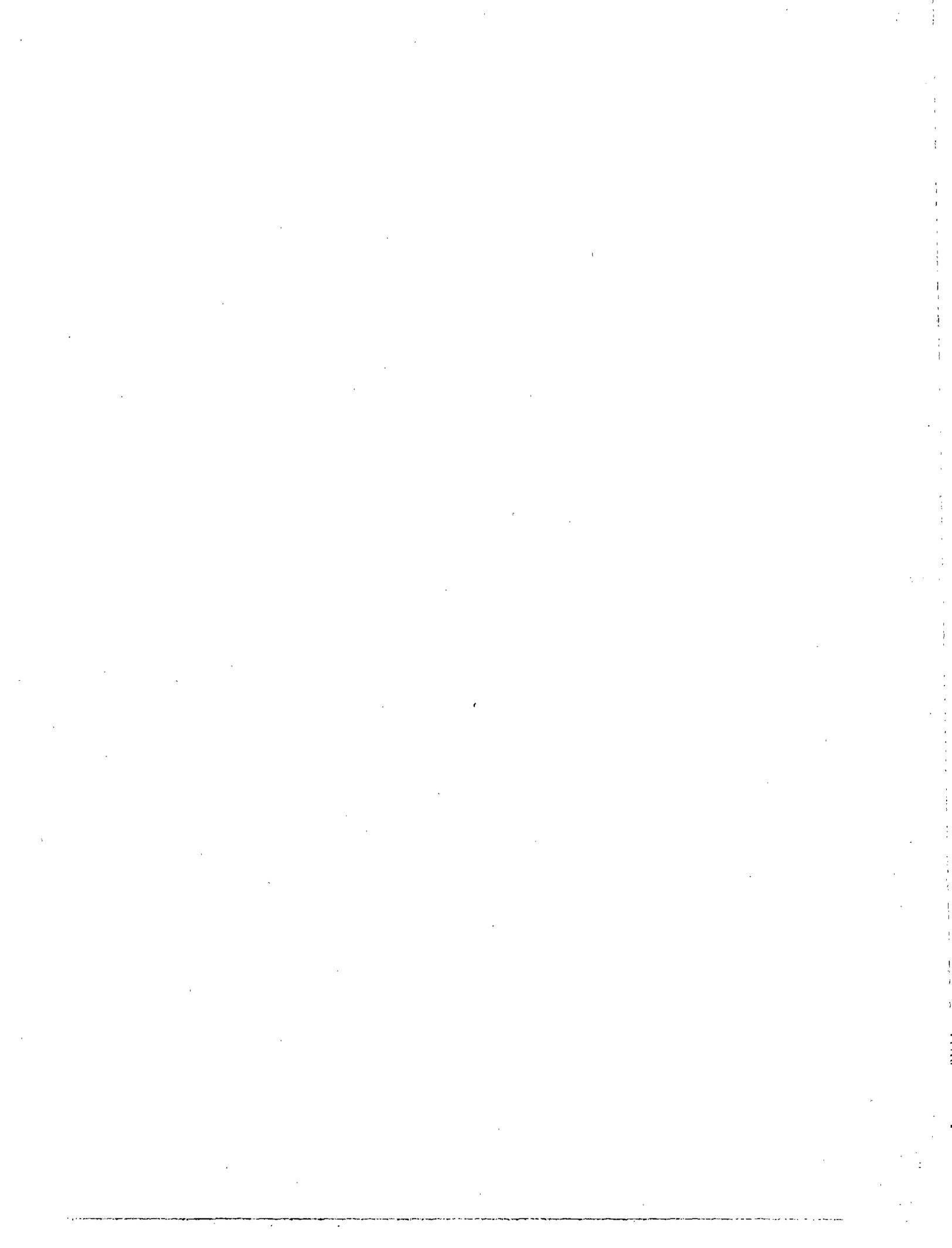
* ACTIVE NIOSH INTERAGENCY AGREEMENTS *

*** AGREEMENT WIOSH-IA-75-15
FUNDS TO DATE \$871
PY 75 FUNDING \$871
PROJECT OFFICER Frank B. Stern
TITLE Retrospective Mortality Survey of Employees Exposed
to Carbon Monoxide and Cadmium
ABSTRACT Provides the following information on 1,700 names
and social security numbers (1) last quarter for
which earnings have been reported, or (2) date of
and location of death claim, (3) last residence of
deceased, and (4) date of and state of last
employment if last residence cannot be provided.
AGENCY Social Security Administration
PROJECT DIRECTOR Vincent A. Serio



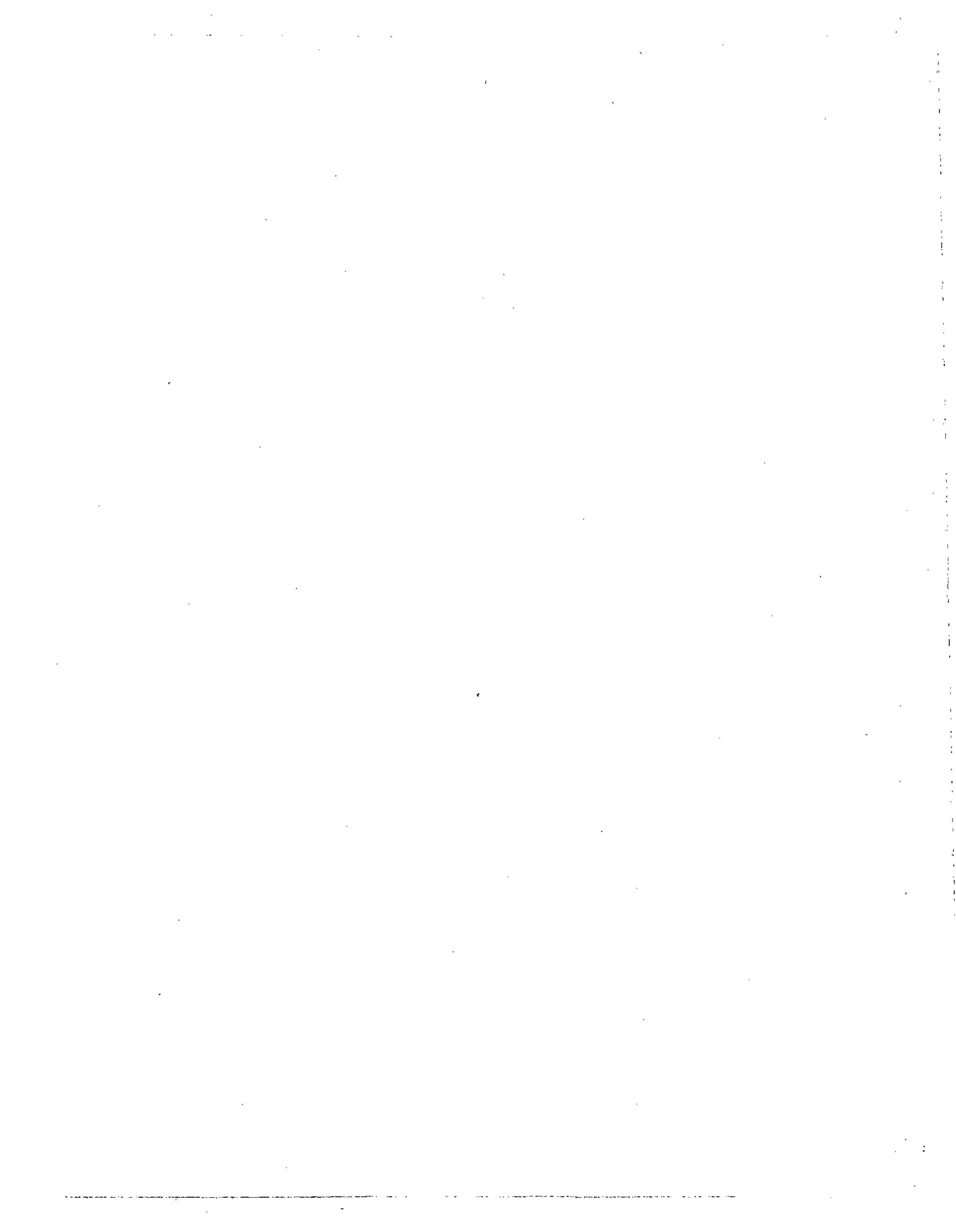
SECTION III - P.L. 480 RESEARCH AGREEMENTS

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* ACTIVE PL 480 RESEARCH AGREEMENTS *

*** CONTRACT PL-01-003-3
CONTRACT PERIOD 03/01/70 - 03/01/75
FUNDS TO DATE \$209,888
PROJECT OFFICER David H. Groth
TITLE Experimental Infective Pneumoconiosis
ABSTRACT Determine the role of infection and immune reactions in the development of asbestosis and related dust pneumoconiosis. This will involve a study in animals of the combined effect of different dusts common in the air in asbestos mining and processing and the various strains of suspected pathogens isolated from such dusts.
CONTRACTOR Industrial Toxicology Research Center
Lucknow, India
CONTRACT DIRECTOR S. H. Zaidi

*** CONTRACT PL-01-004-2
CONTRACT PERIOD 04/01/74 - 04/01/77
FUNDS TO DATE \$68,051
PROJECT OFFICER David H. Groth
TITLE Pneumoconiosis Due to Mica Must Inhalation in Mica Processing Industry
ABSTRACT Study the clinical, physiological, radiological, and pathological changes in the lungs of workers exposed to mica dust; correlate the magnitude of lung changes with the extent to mica exposure; establish dose-response relationships in animals.
CONTRACTOR Occupational Health Research Institute
Ahmedabad, India
CONTRACT DIRECTOR S. K. Chatterjee

*** CONTRACT PL-02-002-3
CONTRACT PERIOD 01/01/64 - 12/31/76
FUNDS TO DATE \$400,000
PROJECT OFFICER Joseph K. Wagoner
TITLE Studies on the Effects of Radioactive Parts of Uranium Ore
ABSTRACT Determine the metabolism of the radioactive elements which occur in uranium ores and mines and the effects of these materials on the health of workers who are mining and processing the ores.
CONTRACTOR Serbian Institute of Occupational and Radiological
Belgrade, Yugoslavia
CONTRACT DIRECTOR Milos Kilibarda

* ACTIVE PL 480 RESEARCH AGREEMENTS *

*** CONTRACT PL-02-006-3
CONTRACT PERIOD 05/01/68 - 10/01/77
FUNDS TO DATE \$326,816
PROJECT OFFICER Pervis C. Major
TITLE Effects of Vegetable Dust on Respiratory Function of Industrial Workers
ABSTRACT Study the relationship between occupational exposure to dusts of vegetable origin and chronic non-specific respiratory disease and byssinosis and determine the relationship between dust type and size and biologically active agents on lung function.
CONTRACTOR Andrija Stampar School of Public Health
Zagreb, Yugoslavia
CONTRACT DIRECTOR Fedor Valic

*** CONTRACT PL-02-009-3
CONTRACT PERIOD 06/25/71 - 06/24/76
FUNDS TO DATE \$403,562
PROJECT OFFICER Alan Palmer
TITLE Detection of Health Hazards Due to Asbestos Exposure
ABSTRACT Study the prevalence of asbestosis in workers in asbestos mining and processing to assess lung function changes in these workers, particular emphasis to be given to the early changes; study the role of some metals contained in asbestos dust; and study the relationship between concentration of dust, length of exposure and pulmonary impairment and disease.
CONTRACTOR Andrija Stampar School of Public Health
Zagreb, Yugoslavia
CONTRACT DIRECTOR Fedor Valic

*** CONTRACT PL-02-011-3
CONTRACT PERIOD 06/20/71 - 06/19/76
FUNDS TO DATE \$162,274
PROJECT OFFICER Lester Scheel
TITLE EEG Studies in Workers Exposed to Carbon Disulfide
ABSTRACT Correlate electroencephalographic (EEG) changes with clinical signs of carbon disulfide (CS₂) intoxication; relate EEG changes to exposure history to validate TLV for CS based on human experience; identify the EEG changes during accumulative exposure and following removal from CS; evaluate the diagnostic significance of EEG changes; and evaluate the applicability of the detection of CS intoxication in workers.
CONTRACTOR Serbian Institute of Occupational and Radiological
Belgrade, Yugoslavia
CONTRACT DIRECTOR L. Graovac - Leposavic

* ACTIVE PL 480 RESEARCH AGREEMENTS *

*** CONTRACT PL-02-012-3
CONTRACT PERIOD 07/12/71 - 07/11/76
FUNDS TO DATE \$348,094
PROJECT OFFICER Edward J. Fairchild
TITLE Studies on Abnormal Lead Absorption, Lead Poisoning and Lead Chelation
ABSTRACT Determine the clinical morphological and biochemical effects which point to evidence for toxic action of lead on the bone-marrow, thyroid, kidney and central nervous system; synthesize and test new chelating agents for possible use for eliminating lead from the body and study their toxicity and efficiency for removing lead; and determine the effects of age on lead absorption.
CONTRACTOR Institute for Medical Research
CONTRACT DIRECTOR Zagreb, Yugoslavia
Tihomil Beritic

*** CONTRACT PL-02-014-2
CONTRACT PERIOD 04/06/72 - 04/06/77
FUNDS TO DATE \$198,343
PROJECT OFFICER Austin Henschel
TITLE Vascular Studies of Workers Exposed to Carbon Disulfide
ABSTRACT Determine the relationship of the vascular lesions to the level and duration of carbon disulfide exposure and age of workers through detailed clinical and ophthalmologic examinations performed on selected groups of workers exposed to carbon disulfide and suitable control groups not exposed to carbon disulfide.
CONTRACTOR Serbian Institute of Occupational and Radiological
CONTRACT DIRECTOR Belgrade, Yugoslavia
Slobadan M. Savic

*** CONTRACT PL-02-015-2
CONTRACT PERIOD 12/01/71 - 11/30/76
FUNDS TO DATE \$168,940
PROJECT OFFICER N. Leroy Lapp
TITLE Study of Role of Exposures in Cement Production in the Occurrences and Development of Chronic Nonspecific Lung Disease
ABSTRACT Determine the role of cement dust in the development of chronic nonspecific lung disease (CNLD) in workers in the cement industry; determine the relationship between extent of exposure and the CNLD to determine the degree and type of impairment in cement CNLD; and relate impairment to occupational and nonoccupational factors.
CONTRACTOR Institute for Medical Research
CONTRACT DIRECTOR Zagreb, Yugoslavia
Marko Saric

* ACTIVE PL 480 RESEARCH AGREEMENTS *

*** CONTRACT PL-03-002-3
CONTRACT PERIOD 07/14/71 - 07/13/75
FUNDS TO DATE \$99,440
PROJECT OFFICER Terry L. Henderson
TITLE Exposure to Noise in the Cotton and Flax Textile Industry
ABSTRACT Indicate the effect of the levels and frequency distribution of steady noise and the duration of exposure on the hearing acuity of exposed workers in the textile industry and relate this data to safe level criteria for hearing protection from long-term exposure to noise.
CONTRACTOR High Institute of Public Health
Alexandria, Egypt
CONTRACT DIRECTOR M. H. Noweir

*** CONTRACT PL 03-003-2
CONTRACT PERIOD 07/01/73 - 07/01/78
FUNDS TO DATE \$405,759
PROJECT OFFICER Jeremiah R. Lynch
TITLE Gravimetric Assessment of Silica Containing Dust
ABSTRACT Study the feasibility of the proposed size-selected limit for silica-containing dust in the control of pneumoconiosis in industry, examine the proposed size-selected limit in relation to the count limit and the adequacy of each for the control of lung diseases in the different dusty operations, and study the relevance of the different size-selection mass sampling equipment to the health hazard in the different dusty operations.
CONTRACTOR High Institute of Public Health
Alexandria, Egypt
CONTRACT DIRECTOR M. H. Noweir

*** CONTRACT PL-05-005-3
CONTRACT PERIOD 07/23/68 - 12/31/74
FUNDS TO DATE \$212,658
PROJECT OFFICER Alexander Cohen
TITLE Effects of Chronic Vibration and Noise Exposure on the Health of Woodcutters
ABSTRACT Determine the epidemiology of vibration related disorders from chainsaws in forestry workers; describe the patho-physiologic changes that occur from such exposures; and determine the prevalence of vibration related disorder and of noise induced hearing loss through longitudinal and cross-sectional studies of woodcutters.
CONTRACTOR Research Institute of Social Medicine in Medical Academy
Lodz, Poland
CONTRACT DIRECTOR Henryk Rafalski

* ACTIVE PL 480 RESEARCH AGREEMENTS *

*** CONTRACT PL-05-006-3
CONTRACT PERIOD 01/08/69 - 07/01/75
FUNDS TO DATE \$99,785
PROJECT OFFICER Austin Henschel
TITLE Studies on the Mechanism of Sweat Gland Function.
ABSTRACT Elucidate by means of a laboratory experiment the
role of ADH in sweat gland control, the role of
glycolic acid in reabsorption in the sweat
gland, the usefulness of mucopolysaccharide
content in sweat as a measure of physiological
strain, and the significance of individual
differences in sweating patterns and salt loss in
sweat.
CONTRACTOR Silesian School of Medicine
Katowice, Poland
CONTRACT DIRECTOR Kornel Gibinski

*** CONTRACT PL-05-007-2
CONTRACT PERIOD 03/01/72 - 02/28/77
FUNDS TO DATE \$108,043
PROJECT OFFICER Elliott Harris
TITLE Biological Response to Simultaneous Exposure to
ABSTRACT Cadmium and other Toxic Bivalent Metals
Determine by use of experimental animals and
supplemented by epidemiological studies in
appropriate industrial enterprises the dependence
of cadmium-induced biological response on
simultaneous exposure to other bivalent toxic
metals, in particular lead, zinc, copper and
molybdenum.
CONTRACTOR Institute of Occupational Medicine in the Mining
and Metallurgical Industries
Sosnowiec, Poland
CONTRACT DIRECTOR Henryk Urbanowicz

* ACTIVE PL 480 RESEARCH AGREEMENTS *

*** CONTRACT PL-05-008-2
CONTRACT PERIOD 03/01/72 - 02/28/77
FUNDS TO DATE \$156,984
PROJECT OFFICER Lester Scheel
TITLE The Effects of Carbon Disulfide upon Lipid Metabolism of Blood Vessel Walls
ABSTRACT Evaluate the effect of carbon disulfide exposure in animals on lipid metabolism in the body with special emphasis on the metabolism of lipid in the vascular wall as related to the development of atherosclerosis. Clinical data has indicated an increased incidence of heart and vascular disease problems in viscose rayon processing employees.
CONTRACTOR Institute of Occupational Medicine in the Textile and Chemical Industries
Lodz, Poland
CONTRACT DIRECTOR Teresa Wronska - Nofer

*** CONTRACT PL-05-009-2
CONTRACT PERIOD 03/01/72 - 02/29/76
FUNDS TO DATE \$159,692
PROJECT OFFICER Edward J. Fairchild
TITLE Role of Metallothionein in Detoxication of Metals
ABSTRACT Determine by the use of rats the role of metallothionein in the metabolism and detoxification of some metals with special emphasis on the binding of the protein by zinc, cadmium, and mercury.
CONTRACTOR Institute of Occupational Medicine in the Textile and Chemical Industries
Lodz, Poland
CONTRACT DIRECTOR Jerzy K. Piotrowski

*** CONTRACT PL-05-010-2
CONTRACT PERIOD 01/01/72 - 12/31/74
FUNDS TO DATE \$118,999
PROJECT OFFICER Austin Henschel
TITLE Adaptation of the Cardiorespiratory System in Exertion in Various Age Groups of Males and Females
ABSTRACT Determine the relationship between the level of physical work demands of the job and the circulatory and respiratory responses as functions of age in men and women.
CONTRACTOR Cracow Industrial Medical Clinic
Cracow, Poland
CONTRACT DIRECTOR Krystyna, Motyka

* ACTIVE PL 480 RESEARCH AGREEMENTS *

*** CONTRACT PL-05-011-2
CONTRACT PERIOD 03/02/72 - 02/28/77
FUNDS TO DATE \$165,131
PROJECT OFFICER N. LeRoy Lapp
TITLE Studies of Chest Diseases in Coal Miners
ABSTRACT Study in coal mines differing in geological location, coal composition and mining technology the role of all factors in the coal mine environment that relate to the rate and pattern of morbidity, mortality and absenteeism in coal miners with special reference to respiratory tract disease.
CONTRACTOR Institute of Occupational Medicine in the Mining and Metallurgical Industries
Sosnowiec, Poland
CONTRACT DIRECTOR Konrad Szymczykiewicz

*** CONTRACT PL-05-012-2
CONTRACT PERIOD 04/01/72 - 03/31/77
FUNDS TO DATE \$176,317
PROJECT OFFICER Alexander Cohen
TITLE Effects of Acute and Chronic Whole Body Vibration on Health of Workers
ABSTRACT Determine by means of a laboratory study of human reactions evoked by acute exposures to a range of whole-body vibrations and a field study to correlate vibration conditions observed in a number of work places with evident clinical and psycho-physiologic effects in workers exposed over a number of years the kind and extent of health deviations that occur in workers exposed to acute and chronic low frequency whole body vibration.
CONTRACTOR Institute of Occupational Medicine in the Mining and Metallurgical Industries
Sosnowiec, Poland
CONTRACT DIRECTOR Jan Grzesik

* ACTIVE PL 480 RESEARCH AGREEMENTS *

*** CONTRACT PL-05-013-2
CONTRACT PERIOD 03/01/72 - 02/29/76
FUNDS TO DATE \$90,716
PROJECT OFFICER Edward J. Fairchild
TITLE Influence of Industrial Poisons and Drugs on the
Activity of Microsomal Enzymes
ABSTRACT Determine the effects of chronic exposure on the
rate of microsomal metabolism of the typical
industrial toxic substances, the effects of common
drugs on the rate of microsomal enzyme metabolism
of common industrial toxic substances, and the
molecular mechanisms involved in microsomal
metabolic detoxification.
CONTRACTOR Institute of Occupational Medicine in the Textile
and Chemical Industries
Lodz, Poland
CONTRACT DIRECTOR J. M. Wisniewska - Knypl

*** CONTRACT PL-05-014-2
CONTRACT PERIOD 05/01/72 - 04/30/77
FUNDS TO DATE \$167,024
PROJECT OFFICER Francis N. Dukes-Dubos
TITLE Effects of Noise and Heat on the Health of Workers in
Metal Industry
ABSTRACT Determine the health consequences to workers
exposed to both heat and noise at the work site
and establish under controlled laboratory
conditions the auditory and circulatory
interactions elicited by noise and heat exposure.
CONTRACTOR Institute of Occupational Medicine in the Mining
and Metallurgical Industries
Sosnowiec, Poland
CONTRACT DIRECTOR P. M. Spioch

*** CONTRACT PL-05-015-2
CONTRACT PERIOD 04/01/72 - 03/31/75
FUNDS TO DATE \$130,118
PROJECT OFFICER Bobby F. Craft
TITLE Effects of Diurnal Rhythm upon Human Performance
ABSTRACT Define the effects of diurnal rhythm on physical
and mental work capacities and stress tolerance
through a laboratory study of human subjects.
CONTRACTOR Institute of Occupational Medicine in the Textile
and Chemical Industries
Lodz, Poland
CONTRACT DIRECTOR J. Wojtczak - Jaroszowa

* ACTIVE PL 480 RESEARCH AGREEMENTS *

*** CONTRACT PL-05-016-2
CONTRACT PERIOD 08/01/72 - 07/31/77
FUNDS TO DATE \$136,979
PROJECT OFFICER Donald W. Badger
TITLE Mechanisms of Neurological, Endocrinological, Circulating
and Radiological Effects on Vibration
ABSTRACT Systematically determine in laboratory animals the
neurological, endocrinological, circulatory and
radiological changes produced by various combinations
of amplitude, frequency and acceleration of whole body
vibration.
CONTRACTOR Institute of Occupational Medicine in the Mining
and Metallurgical Industries
Sosnowiec, Poland
CONTRACT DIRECTOR Kazimierz Zajusz

