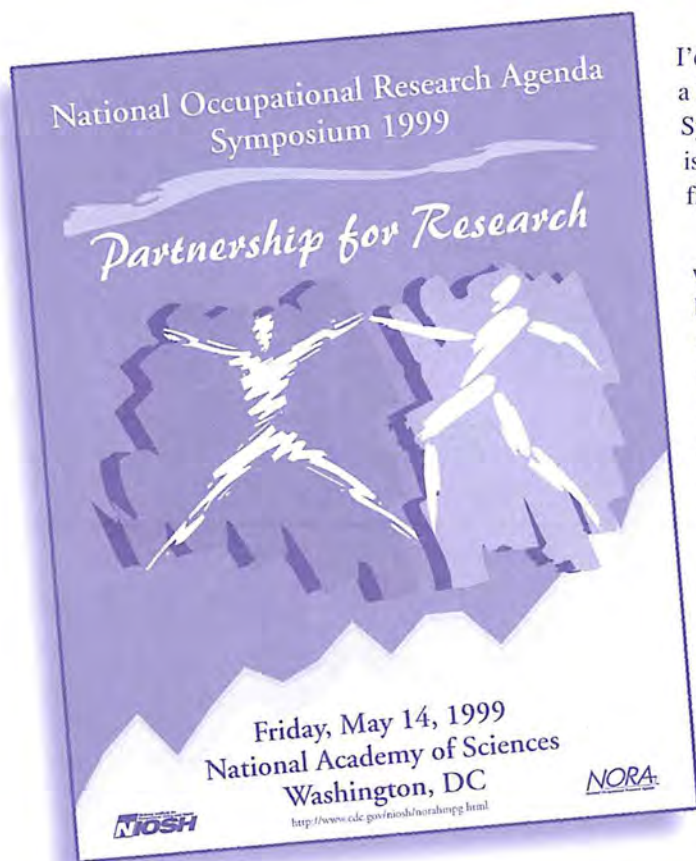


NORA news

National Occupational Research Agenda

Volume 3 • Number 1 • Winter 2000

News from NIOSH



I'd like to thank everyone who made the 1999 NORA Symposium a huge success. It will definitely be a challenge to top this Symposium in 2001. If you weren't able to attend the meeting, this issue of NORA News summarizes the Symposium including the first NORA Partnership Award.

This issue's Partner Perspective features Bob Thompson who started the asphalt partnership. Even more amazing than bringing together labor, industry, and government to reduce worker exposure to asphalt, is what Bob did for his employees this summer. After selling his paving business, Thompson-McCully Company, Bob gave nearly \$130 million to his employees, making many of them millionaires. This is a truly remarkable act by a unique man. I am proud to have had the opportunity to work with Bob and hope his actions will be an inspiration to others.

I'm also happy to report that under two Requests for Applications in FY 1999, NIOSH, NIH, and EPA anticipate awarding 42 grants totaling about \$10 million in nine NORA Priority Research areas (*see page 7*). Page 6 of the newsletter contains a NORA News reader survey. We would appreciate it if you would take a few minutes to complete the survey in order to help us improve NORA News.

Linda Rosenstock, MD, MPH

Director



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NORA Symposium 1999: Partnership for Research

The NORA symposium was a great success. On May 14, 1999, over 300 NORA partners came together at the National Academy of Sciences to mark the success of NORA to date and guide its future. The day began with a welcome from Kenneth Shine, President of the Institute of Medicine of the National Academy of Sciences, followed by remarks from NIOSH Director, Linda Rosenstock, on the implementation of NORA. Next, Secretary for Health and Human Services, Donna Shalala, addressed the audience with strong words of support for NORA and occupational safety and health.



The Honorable Donna Shalala, Secretary, U.S. Department of Health and Human Services, addresses the audience at the NORA Symposium.

The asphalt partnership was presented with the first NORA Partnership Award For Worker Health and Safety (see story page 8). Representatives of the industry and labor partners described the partnership and its success. Bonnie Rogers, President of the American Association of Occupational Health Nurses and Chair of the NORA Liaison Committee, presented the activities of the NORA Liaison Committee including the preliminary results of the Liaison Committee Survey which measures the recognition and impact of NORA.

Next, representatives from labor, industry and government discussed their perspectives on NORA and partnership. Robert Georgine, President, Building and Construction Trades Department, AFL-CIO; Kenneth Kizer, Under Secretary for Health, Veterans Affairs; Lawrence Burns, Vice President for Research, Development and Planning General Motors Corporation; and Joanna Whitaker, International Representative, United Auto Workers, discussed how partnerships make a difference.

In the session on using NORA as a model, Antonio Moccaldi, Director, Italian National Institute for Occupational Health and Safety, discussed Italy's experience in developing a research agenda and credited NORA with providing a model of how to proceed. David Wegman, Chair, Department of Work Environment, University of Massachusetts-Lowell, gave the keynote address on using NORA as a model for priority-setting.

Following the asphalt awards luncheon, William Bunn, Medical Director, Health Management and Safety, NAVISTAR, moderated the session on the Power of Partnerships in Occupational Safety and Health. Henry B. Lick, Manager, Industrial Hygiene Department, Ford Motor Company; Dennis O'Brien, Director, Division of Physical Sciences and Engineering, NIOSH; and Frank Mirer, Director, Health & Safety, United Auto Workers, presented on the success of the Ford-UAW-NIOSH partnership. Joseph A. Main, Administrator, Department of Occupational Health & Safety, United Mine Workers of America, and Joseph A. Lamonica, Vice President, Health, Safety and Training, Bituminous Coal Operators' Association, Inc., presented on labor-management partnerships in mining.



Symposium participants peruse the NORA team posters during a break.

Gwendolyn Keita, Public Interest Directorate and Director, Women's Program Office, American Psychological Association, moderated the session titled, "NORA Implementation Successes and Challenges – A View from the Teams." Nancy Stout, Traumatic Injury Team Leader, Sherry Baron, Special Populations at Risk Team Leader, and Larry Fine, Musculoskeletal Disorders Team Leader, highlighted the work of their respective teams. Attendees took advantage of the breaks throughout the symposium to peruse the 20 NORA Team posters which provide updates of team activities and recommendations for future

Quotes

"NORA initiatives are so important because they base themselves on the kinds of interactions that will have to become central issues for our society as the next century begins.... NORA is a prototype for these kinds of initiatives."

Kenneth Shine, M.D., President, Institute of Medicine, National Academy of Sciences

"From its [NORA's] beginnings, NIOSH and its partners have understood that a prerequisite to making workplaces safer in this new economy is making sure that no one is left out of the decision making process. That's really the genius of NORA. ... I've encouraged all my staff to use NORA as a model for building strong research partnerships."

Donna Shalala, Secretary, U.S. Department of Health and Human Services

"By coming together with others who care about the costs of occupational injuries and illnesses, both in human and economic terms, we all benefit. It is also important that NORA's agenda emphasize not only medial problems but the social and economic concerns also. At the Building and Construction Trades Department, representing more than three million workers, ... we are very proud to be partners in NORA."

Robert Georgine, President, Building and Construction Trades Department, AFL-CIO

"At GM our commitment to health and safety remains an overriding priority. It's a commitment we honor through our joint UAW GM programs and through our partnering with NIOSH and through our participation in NORA. General Motors is very proud to be part of the partnership to enhance the health and safety and quality of life of our American workers. Partnerships clearly make a difference."

Lawrence Burns, Ph.D., Vice President for Research, Development and Planning, General Motors Corporation

"I was particularly struck by the National Occupational Research Agenda. This incredible scheme is undoubtedly one of the largest international efforts to develop and implement a plan to establish research priorities in this sector."

Antonio Moccaldi, Ph.D., Director, Italian National Institute for Occupational Health and Safety

"Our aim is to create not only some of the best partnerships, but the most effective partnerships... that anybody ever saw."

Joseph A. Main, Administrator, Department of Occupational Health & Safety, United Mine Workers of America ■

research. In addition to participating in the Symposium, most of the NORA teams took advantage of the Symposium as an opportunity to hold face-to-face meetings with their teams. These meetings, held the day before the Symposium at George Washington University, allowed for fruitful discussion and planning of team activities.

The wide range of NORA partners who presented at and attended the Symposium is a testament to NORA's success. NORA has been embraced not only in spirit but in practice throughout industry, academia, and government. In three short years, NORA has become part of the occupational safety and health research landscape. ■



The NORA Symposium draws a full house.

NORA Partnership Award

NIOSH awarded the first *NORA Partnership Award For Worker Health and Safety* at the 1999 NORA Symposium. The award recognizes outstanding NORA partnership activities that lead to improved worker health and safety.

To be eligible for the award, NORA partnership activities must include collaborative research in at least one NORA priority area which results in the development of interventions that reduce hazardous exposures or adverse outcomes. Partners should represent a broad and diverse spectrum of organizations and individuals, such as manufacturers, end-users, labor, the public health community, academia, and government.



Winners of the 1999 NORA Partnership Award For Worker Health and Safety. From left to right: Charles Jeffress, Edward Miller, Larry Edginton, Brian McQuade, Bryon Lord, Arthur Coia, Mike Acott, Bob Thompson.

"Thank you NORA for recognizing us, this is the proudest achievement in our history."

Mike Acott, President, National Asphalt Paving Association

The 1999 winner of the *NORA Partnering Award For Worker Health and Safety* is the Asphalt Partnership. This unique collaboration brought together diverse partners to achieve the goal of reducing workers' exposure to asphalt fumes during highway paving. The partners included NIOSH, the National Asphalt Pavement Association, the Federal Highway Administration, the Occupational Safety and Health Administration, the International Union of Operating Engineers, the Laborers' Health and Safety Fund of North America, and the Laborers' International Union of North America. Through use of innovative engineering controls, the partners achieved an unprecedented accomplishment — 100 percent of an industry voluntarily agreeing to implement

"If it were not for our partnership with government, and our partnerships with our employers and our significant involvement with the leaders in the Laborers Union, things like this would never be accomplished. It is a great day for us."

Arthur Coia, President of the Laborers' International Union of North America

control technology equipment (which reduces worker fume exposure by about 80 percent) on all new highway pavers produced after July 1997.

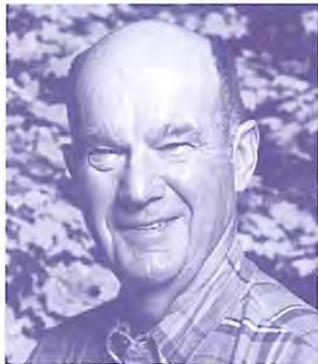
The partnership formed amid ongoing controversies surrounding the health effects of asphalt fume exposures and possible regulatory activity aimed at reducing these exposures. Working together, the partners avoided the protracted regulatory process and ensured that effective control technologies, designed and evaluated by NIOSH and its partners, were implemented to protect the approximately 300,000 highway paving workers across the nation.

"Recently, the asphalt paver model was brought to our attention and we really got pretty excited about that... It did look like it had a lot of potential for a problem that we've been wrestling with for some time and that is with diesels in underground coal mines. We think we are going to be able to get into a partnership to look at some control technology in this area."

Joseph A. Lamonica, Vice President, Health, Safety and Training, Bituminous Coal Operators' Association, Inc.

This unique partnership was also selected as one of 25 finalists (out of 1,420 applicants) in the 1998 Innovations in American Government Awards Competition sponsored by the Ford Foundation, the John F. Kennedy School of Government at Harvard University, and the Council for Excellence in Government. The prestigious Innovations Award recognizes excellence in government and celebrates outstanding examples of creative problem-solving in the public sector. ■

Partner Perspective



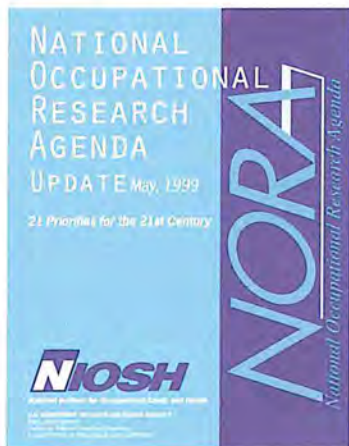
Bob Thompson
*President, Thompson-McCully
Company*

I'm thrilled that the asphalt partnership is the first winner of the NORA Partnership Award. While I can take credit for coming up with the idea for this project, that was the easy part. It was the collaborative relationships between NIOSH, NAPA, the unions, and other partners that turned the idea into an award-winning project and most importantly, produced results that protect workers. It is very rewarding to see something like this accomplished.

NORA emphasizes that through partnership, greater results can be achieved. I can certainly attest to that. Not just from the perspective of the asphalt partnership, but in how I run my business. I have always considered Thompson-McCully employees my partners. As a result we have better workers. This makes all the difference in a competitive industry like paving. I know our company couldn't be successful without our hardworking and dedicated employees.

When I decided to sell my company, it seemed natural to continue to treat my employees like partners. Not only did I share the profits from the sale of the company with the employees, but I spent three years looking for a buyer who would keep the company intact and continue to provide jobs to our employees. Respecting my employees and treating them like partners has always been the way of doing business at Thompson-McCully Co. The result has been success for the company, for me, and for the employees. ■

NORA Publications, Etc.



Each of the 20 NORA teams developed posters for the 1999 NORA Symposium. The posters highlight team activities and identify areas for further research. The posters were a success at the symposium and are available on the NORA section of the NIOSH web page at <http://www.cdc.gov/niosh/psindex.html>

The NORA Update 1999 is available on the NORA site on the NIOSH web page at <http://www.cdc.gov/niosh/norabout.html> or by calling 1-800-35-NIOSH (request publication 99-124)

An updated NORA fact sheet (99-130) is also now available on the web and through the NIOSH 800 number. ■

Team Leader News

Sherry Baron, Team Leader of the Special Populations at Risk Team, has accepted a position at the California Department of Health Services. Sherry will remain on the Team as an external member and as co-leader with Rosie Sokas, M.D., M.O.H., Lead Senior Scientist, NIOSH, Office of the Director. ■



Reader Response

Please take a few moments to tell us what you think about NORA News

1) **How useful are the articles in NORA News?**

- ☐ Very Useful ☐ Useful ☐ Not at all useful

2) **NORA News is currently produced and distributed three times per year. Do you think this is:**

- ☐ Too frequent ☐ Adequate ☐ Not frequent enough

3) **Would you like to receive NORA News**

- ☐ In printed format only ☐ In an electronic format only ☐ In both print and electronic formats

If you wish to receive NORA News electronically, please provide your e-mail address.

4) **Reading NORA News is a good way to stay informed about NORA activities.**

- ☐ Strongly Agree ☐ Agree ☐ Disagree ☐ Strongly Disagree

5) **NORA News is my primary source of information on NORA.**

- ☐ Strongly Agree ☐ Agree ☐ Disagree ☐ Strongly Disagree

6) **Do you work in**

- ☐ Private industry
☐ A government agency
☐ A labor union
☐ Academia
☐ Other (specify) _____

7) **Suggestions**

Please Fax responses to NIOSH at (202) 260-1898

or mail to NIOSH at
200 Independence Ave, SW
#715-H
Washington, DC 20201

NORA Grants Announcements

■ In October 1999, NIOSH awarded approximately \$5.4 million in competitive research grants to support 23 research projects in seven NORA areas: asthma and chronic obstructive pulmonary disease, exposure assessment methods, fertility and pregnancy abnormalities, intervention effectiveness research, organization of work, special populations at risk, and surveillance research methodology (see awards on page 8). The NIOSH grants were awarded under a joint March 1999 Request for Applications in NORA topic areas with five partners from the National Institutes of Health (NIH): the National Cancer Institute (NCI), the National Heart, Lung, and Blood Institute (NHLBI), the National Institute on Aging (NIA), the National Institute on Deafness and Other Communication Disorders (NIDCD), and the National Institute of Environmental Health Sciences (NIEHS). Final decisions are pending on funding by the NIH partners for several proposals. The NIOSH grants are supported by funds specifically provided by Congress in NIOSH's Fiscal Year 1999 appropriations for research under NORA.

■ In August 1999, the National Institute for Occupational Safety and Health (NIOSH) joined with the National Cancer Institute (NCI), the National Heart, Lung, and Blood Institute (NHLBI), the National Institute on Aging (NIA), the National Institute of Alcohol Abuse and Alcoholism (NIAAA), the National Institute of Allergy and Infectious Diseases (NIAID), the National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), the National Institute on Deafness and Other Communication Disorders (NIDCD), and the National Institute of Environmental Health Sciences (NIEHS) to invite applications for research related to the 21 NORA areas for priority national research in occupational safety and health. The announcement number is PA-99-143.

Application deadlines for PA-99-143 follow the three standard deadlines each year: February 1, June 1, and October 1. The announcement, including details on how to submit applications and necessary forms, are available on NIH's Web Site on the World Wide Web at <http://grants.nih.gov/grants/guide/1999/99.08.20/>

[index.html](http://grants.nih.gov/grants/guide/pa-files/index.html), <http://grants.nih.gov/grants/guide/pa-files/index.html> and <http://grants.nih.gov/grants/funding/phs398/phs398.html>. Information about technical issues relating to the announcements is also available from Roy M. Fleming, Sc.D., Director, NIOSH Research Grants Program, (404) 639-3343.

■ A second program announcement, Research Methods for Occupational Cancer (PA-99-148), was issued in August by NIOSH, the National Cancer Institute, and the National Institute of Environmental Health Sciences to stimulate the development of new methods to address etiologic and intervention questions pertaining to occupational cancers. These methods should be of particular use in addressing issues with contemporary and future cancer hazards including low level exposures, mixtures, inherited host factors, and interaction with non-occupational, environmental risk factors. More information can be found at <http://grants.nih.gov/grants/guide/pa-files/PA-99-148.html>. Application deadlines for this PA follow the three standard deadlines each year: February 1, June 1, and October 1. ■

National Contest for Evaluators of Occupational Safety Programs Show What Works (or Doesn't)!

Through NORA, NIOSH is sponsoring a national contest to recognize outstanding evaluations of interventions designed to prevent acute or fatal work injuries. The subject of the evaluation may be a safety intervention of any type and scope, from a simple tool or equipment change at a single worksite to an elaborate safety program applied throughout an entire corporation or industry. The evaluation of policies applied at a state or national level, such as an OSHA standard, would also be appropriate. Evaluations showing an intervention to be effective or ineffective are of equal interest.

The evaluation may have been conducted by university researchers, graduate students, consultants, safety professionals, managers, employees, or labor union staff. Evaluations by academics and non-academics will be judged separately. Contestants will also have the opportunity to share evaluation experiences in a special session of the National Occupational Injury Research Symposium (NOIRS) on October 17-19, 2000, in Pittsburgh.

Submission deadline: April 1, 2000.

For more information and instructions to enter the contest, visit the NOIRS web site: <http://www.cdc.gov/niosh/noirs2000.html>. ■

NIOSH Research Grants Funded Under the NORA RFA in FY1999

Asthma and Chronic Obstructive Pulmonary Disease

Occupational Asthma Associated with Seafood Processing

Robins, Thomas, M.D.
University of Michigan
Ann Arbor, Michigan
FY99 funding: \$276,875

Irritant-Induced Asthma: Epidemiology and Pathogenesis

FY99 funding: \$125,000
(This grant is pending State Department clearance)

Exposure Assessment Methods

Temporal and Impulsive Characteristics of Hand Tools

Cherniack, Martin, M.D.
University of Connecticut
Farmington, Connecticut
FY99 funding: \$220,294

Tools for Exposure Assessment of Physical Risk Factors in VDT Work

Dennerlein, Jack, Ph.D.
Harvard University
Boston, Massachusetts
FY99 funding: \$137,131

Peak Exposures in Aluminum Smelting

Seixas, Noah, Ph.D.
University of Washington
Seattle, Washington
FY99 funding: \$239,497

Fertility and Pregnancy Abnormalities

Portability of Biochemical Markers of Sperm Maturity

Huszar, Gabor, M.D.
Yale University
New Haven, Connecticut
FY99 funding: \$232,937

Intervention Effectiveness Research

Wisconsin Production Agriculture Intervention Evaluation

Chapman, Larry, Ph.D.
University of Wisconsin
Madison, Wisconsin
FY99 funding: \$216,000

Healthy Work Organization: Intervention Effectiveness

DeJoy, David, Ph.D.
University of Georgia
Athens, Georgia
FY99 funding: \$281,940

Reducing Violence Against Nursing Home Caregivers

Gates, Donna, Ed.D.
University of Cincinnati
Cincinnati, Ohio
FY99 funding: \$175,702

Preventing Musculoskeletal Disorders Among VDT Operators

Gerr, Fredrick, M.D.
Emory University
Atlanta, Georgia
FY99 funding: \$441,509

Outcomes of the Revised CA Bloodborne Pathogens Standard

Gillen, Marion, Ph.D.
University of California
San Francisco, California
FY99 funding: \$247,603

Effects of OSHA Guidelines on Violence Prevention in Mental Health

Lipscomb, Jane, Ph.D.
University of Maryland
Baltimore, Maryland
FY99 funding: \$236,027

Evaluation of Dust Control Technologies in Construction Tasks

Seixas, Noah, Ph.D.
University of Washington
Seattle, Washington
FY99 funding: \$90,104

OSH Program Evaluation in Manufacturing and Small Business

Sorensen, Glorian, Ph.D.
Dana-Farber Cancer Institute
Boston, Massachusetts
FY99 funding: \$189,600

Organization of Work

Practical Circadian Interventions for Night Shift Work

Eastman, Charmaine, Ph.D.
Rush-Presbyterian-St. Luke's Medical Center
Chicago, Illinois
FY99 funding: \$286,000

Work Schedules and Workplace Injuries

Pergamit, Michael, Ph.D.
National Opinion Research Center
Washington, DC
FY99 funding: \$219,000

Caffeine and Naps: Practical Shiftwork Interventions

Walsh, James, Ph.D.
St. Luke's Hospital
Chesterfield, Missouri
FY99 funding: \$225,000

Special Populations at Risk

Injury and Musculoskeletal Disorders Among Aging Workers in an Industrial Workforce

Cullen, Mark, M.D.
Yale University
New Haven, Connecticut
FY99 funding: \$222,520

Surveillance Research Methods

Injury and Illness Surveillance in Migrant Farmworkers

Cooper, Sharon, Ph.D.
University of Texas
Houston, Texas
FY99 funding: \$232,937

Laboratory Reporting for Pesticide Illness Surveillance

Das, Rupali, M.D.
Public Health Institute
Oakland, California
FY99 funding: \$206,150

Work-Related Risk Factors Associated with Falls During Pregnancy

Lemasters, Grace, Ph.D.
University of Cincinnati
Cincinnati, Ohio
FY99 funding: \$303,318

National Institute of Occupational Safety and Health Surveillance Research Methodology

Parker, David, M.D.
Minnesota Department of Health
Minneapolis, Minnesota
FY99 funding: \$234,056

Claims-Based Surveillance to Identify Injury Precursors

Tollerud, David, M.D.
MCP Hahnemann University
Philadelphia, Pennsylvania
FY99 funding: \$221,740

FESO Conference Draws Participants from Around the World

by Elyce Biddle, Social and Economic Consequences of Workplace Illness and Injury Team Co-Leader

On June 13-15, the NORA Social and Economic Consequences of Workplace Illness and Injury team, in conjunction with the NORA Health Services Research team, hosted a conference to solicit professional opinion, judgment, and recommendations to direct the development of a national occupational research agenda in these overlapping research areas. The conference, entitled *Functional, Economic, and Social Outcomes of Occupational Injuries and Illnesses: Integrating Social, Economic, and Health Services Research (FESO)*, was jointly sponsored by the Robert Wood Johnson Foundation Workers' Compensation Health Initiative, Institute for Work and Health, and the Agency for Health Care and Policy Research. More than one hundred researchers from the United States, Canada, and Europe attended FESO in Denver, Colorado.



Functional, Economic, and Social Outcomes of Occupational Injuries and Illnesses conference attendees

The conference addressed performance measures for health services delivered to prevent or treat occupational injury or illness, and measures of the economic and social impact of occupational injury or illness, and research that integrate these areas. Through roundtable discussion, researchers in each area: shared findings from completed or ongoing research; identified substantive and methodological problems and shared methods of addressing them; identified areas of research interest or need in occupational health services, and social and economic consequences of injury or illness; and identified areas that can benefit from integration with methods from the other areas.

Specific topics for the conference included: the current state of knowledge about economic and social consequences of work injury and illness on occupational safety and health; data and methods to measure the social and economic impacts of workplace injuries and illnesses on injured workers and their families, on employers, and on other relevant groups; and promising areas of methodology and data development to pursue in this area. Other areas of consideration included evaluation criteria to assess the quality of occupational health services; the integration of medical services and workplace prevention services for the identification and reduction of workplace hazards; and the data and methods needed to evaluate such interventions. Finally,

the primary medical, labor market, organizational, and individual factors that affect whether workers will return to work for their pre-injury employers, the time lost from work after the injury, subsequent unemployment and changes in occupation, and the critical data and research needs in this area were discussed at length.

In preparation for the conference, NIOSH commissioned ten issues papers designed to prepare conference participants to discuss these issues. These session discussion papers provided each participant with a common background on the current state of knowledge in specific topics of occupational health services research, the economic and social consequences of workplace illness and injury, and potential future research. These papers are slated for submission to the American Journal of Industrial Medicine in November.

Following the conference, members are preparing summaries of each of the ten sessions. These ten reports, coupled with additional conference materials, will be compiled for publication by the end of this calendar year. The next step for the team is to use these proceedings as the starting point for developing the team's research agenda.

Best Practices for Hearing Loss Prevention

On October, 28, 1999, 150 leaders from industry, government, labor, the professional community, and academia met in Detroit, Michigan to share best practices for preventing work-related hearing loss. The symposium highlighted an array of proven strategies and new advancements for protecting workers' hearing. Topics addressed at the conference included new developments in noise abatement and control, advancements in hearing protector design, practical solutions for successful hearing protection programs, and new federal and state initiatives.

The symposium was sponsored by the National Institute for Occupational Safety and Health (NIOSH), the National Hearing Conservation Association, and the Occupational and Environmental Health Sciences Department of Wayne State University. Additional conference supporters include the Michigan Occupational Safety and Health Administration, the Michigan Industrial Hygiene Society, the American Industrial Hygiene Association, the National Safety Council, the Institute of Noise Control Engineering, and the Douglas A. Fraser Center for Workplace Issues.

A conference summary document will be available on the NIOSH noise web site at www.cdc.gov/niosh/noise.html in early 2000. ■

NORA Upcoming Events for 2000

March 14-16, 2000

Applied Ergonomics Conference

Location: Los Angeles, CA

Sponsors: NIOSH

Contact: Thomas R. Waters 513/533-8147

April 5-7, 2000

Workplace Violence Intervention Research Workshop

Location: Capitol Hill Hyatt Regency Hotel, Washington, D.C.

Sponsors: University of Iowa, NIOSH

Contact: John Lundell, University of Iowa 319/335-4458

May 15-16, 2000

Third International Conference, Measuring the Burden of Injury

Location: Baltimore, MD

Sponsors: NHTSA, Johns Hopkins U.-School of Public Health, U. of Maryland - R. Adams Cowley Shock Trauma Center, European Consumer Safety Association, Roadwatch - University of Western Australia, NIOSH

Contact: Elyce Biddle 304/285-6015

Spring 2000

Preventing Hearing Loss in the Construction Industry

Location: Washington, D.C.

Sponsors: Laborers' Health and Safety Fund of North America, NIOSH, OSHA

Contact: Scott Schneider 202/628-5465

August 15-18th, 2000

Risk Assessment Methods Workshop

Location: Silver Tree Hotel, Snowmass Village, CO

Sponsors: NIOSH

Contact: Leslie Stayner 513/533-8365

October 17-19, 2000

National Occupational Research Injury Symposium 2000

Location: Pittsburgh, PA

Sponsors: NIOSH

Contact: Nancy Stout 304/285-5894



For more information on NORA
contact NIOSH at:

1-800-35-NIOSH (1-800-356-4674)

or visit the NIOSH Homepage at:

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

NORA news

National Occupational Research Agenda

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Education and Information Division
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