2006 YEAR IN REVIEW
The National Farm Medicine Center (NFMC) lived up to its name in 2006, leading several high-profile, national initiatives.

In January, the NFMC’s National Children’s Center for Rural and Agricultural Health and Safety co-hosted the Agriculture Sector Town Hall meeting in Seattle, Washington, to help the National Institute for Occupational Safety and Health (NIOSH) set a research agenda for the future. In June, the NFMC hosted the National Institute for Farm Safety five-day conference in Sheboygan, Wisconsin, with 170 participants from across the U.S. and several countries. The opening plenary session featured Dr. John Howard, Director of NIOSH. In August, the NFMC joined the U.S. Department of Agriculture and the University of Wisconsin in breaking ground for the Institute for Environmentally Integrated Dairy Management research building outside of Marshfield. Construction of this facility creates new opportunities for research collaboration.

The NFMC’s National Children’s Center for Rural and Agricultural Health and Safety, working through its Childhood Agricultural Safety Network, launched a three-year public awareness campaign in September. During the first year, the network is delivering the unified message that children younger than 12 should never be on or near tractors. The theme: “It’s easier to bury a tradition than a child.” The network is a coalition of national organizations.

The NFMC continued to help shape discussion of agricultural safety and health issues by editing the Journal of Agromedicine. The journal is a nationally-indexed research publication that examines health and safety issues affecting the producer, consumer and environmental health of communities impacted by agricultural practices.

Among NFMC activities of 2006 was its celebration of 25 years as a center. The NFMC invited back many former researchers, staff and area farmers for an April celebration. The event featured video testimonials from agribusiness broadcaster Orion Samuelson (WGN radio, Chicago) and many regional farmers who have participated in NFMC research and programs. Another highlight was the publication of a hardcover book on the NFMC’s history.

Two men influential in the history of NFMC also made the news. An endowed research chair named for Dean Emanuel, M.D., NFMC medical director emeritus, received a boost of nearly $100,000 from the annual Auction of Champions fundraising event. And former NFMC and Marshfield Clinic Research Foundation Director Paul Gunderson, Ph.D., was named the 2006 Stueland Scholar, an award given each year to an individual who has made significant contributions in the areas of emergency, agricultural and/or alcohol and drug abuse medicine.

As the year came to a close, a new resource was published in response to requests from farm owners and safety professionals involved in agritourism. The full-color, 37-page report, “Agritourism: Health and Safety Guidelines for Children,” is the first set of guidelines of its kind. The resource will be widely disseminated in the coming months.

Yes, 2006 was truly a banner year for us; and it set the stage for even greater activities in 2007!

Barbara Lee, R.N., Ph.D.
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Photo acknowledgements
Photos contributed by: Tammy Ellis, Regina Fisher; Chris Hanna, Scott Heiberger; Steve Kirkhorn, Barbara Lee, Barbara Marlenga, Mark Purschwitz, and the U.S. Department of Agriculture.
Mark Purschwitz, Ph.D., received funding to begin a study of the personal concerns and needs of women on Wisconsin dairy farms. Anecdotal reports from women on farms around the nation indicate that some experience role incongruence, extreme time pressure, sleep deprivation, lack of appreciation and respect, social isolation, absence of recreational time away from the farm, and intergenerational conflict. The project will begin with a statewide random sample mail survey of women to describe their circumstances, concerns and needs. A report will be issued and distributed statewide to promote and facilitate the addressing of these issues.

In addition, Dr. Purschwitz is developing research proposals to: 1) use functional magnetic resonance imaging to study brain reactions to agricultural safety graphics; and 2) examine Wisconsin laws relating to farm equipment travel on public roads, including collision-related litigation.

Dr. Purschwitz continues to study potential financial incentives for retrofitting rollover protective structures (ROPS) on older farm tractors, as part of the National Institute for Occupational Safety and Health (NIOSH) National Agricultural Tractor Safety Initiative. He also continues to answer technical inquiries from farmers and equipment dealers around the nation regarding availability of retrofit ROPS for older farm tractors.

Tammy Ellis, research program associate, is assisting on the “Personal Circumstances, Concerns and Needs of Women on Wisconsin Dairy Farms” project. In addition, Ellis is assisting in development of the functional magnetic resonance imaging proposal, and she helped raise funds for the National Institute of Farm Safety endowment. Ellis also worked on the Journalists Workshop, assembling and editing the pre-workshop booklet used by participants and faculty. She also has provided educational and informational outreach for the center.

Marlene Stueland, center manager, provided professional support and financial management to the center director, research scientists and staff. She manages the NFMC’s major meetings and is responsible for NFMC procedures and project implementation. She served as the conference coordinator for the National Institute for Safety Conference held in Sheboygan, Wisconsin, June 25-30, 2006.

Yvonne Cerne, administrative secretary, worked extensively with the Public Health Microbiology Lab, and provided support for the National Institute for Farm Safety Meeting and the Journalists Workshop for childhood agricultural injury prevention.
Steve Kirkhorn, M.D., M.P.H., is medical director of both NFMC and the Occupational Health Department of Marshfield Clinic. His research program includes the Marshfield Pediatric Asthma study, part of a pilot investigation into the potential influence of farming and other exposures on the development of asthma and other atopic conditions among children. Preliminary results of a study involving 570 children in central and northern Wisconsin indicate that children who grow up on farms are less likely to have allergic conditions, and to a lesser degree, asthma, than their city and town counterparts. Dr. Kirkhorn presented results at the 18th International Agricultural Medicine and Rural Health conference in Lodi, Italy.

In other research, Dr. Kirkhorn secured funding to conduct research to assess the prevalence of musculoskeletal disorders in central Wisconsin dairy farmers and dairy technicians. He also presented at the First International Agricultural Cohort Consortium meeting, sponsored by the National Cancer Institute, on a plan to link studies within the Marshfield Epidemiologic Study Area (MESA) Farm Cohort with international collaborators.

Dr. Kirkhorn completed his third year as editor of the *Journal of Agromedicine*, shaping the content of the nationally-indexed, peer-reviewed publication. Dr. Kirkhorn was re-appointed to a two-year term (2006-08) on the U.S. Department of Agriculture Air Quality Task Force, serving on the Particulate Matter sub-committee. In addition, he accepted an invitation to join the AgriSafe Network board of directors. The non-profit AgriSafe Network is a diverse group of rural-based hospitals, health clinics and county health departments that provides preventive occupational health services to farmers. Dr. Kirkhorn also mentored a dairy veterinarian in the University of Wisconsin-Madison Masters of Public Health program. The student’s project examined attitudes of farmers and their families toward drinking raw milk, a practice that has raised health concerns because of the presence of potentially harmful bacteria in non-pasteurized milk.

Scott Heiberger, communications specialist, handles editing, writing, media relations and marketing duties, in addition to representing the NFMC at meetings and conferences. He coordinated the third annual Journalists Workshop on childhood agricultural health and safety, held in October in the tree fruit country near Wenatchee, Washington. Journalists in attendance represented print and electronic media from Seattle, Portland and across the Northwest. The workshop focused on pesticides, farmworker housing and adolescent workers. Heiberger also is managing editor of the *Journal of Agromedicine*. Other projects in 2006 included editing the hardcover history of the NFMC and coordinating multi-media for the 25th anniversary celebration event.

Ruth Mueller, administrative secretary, worked on all aspects of the NFMC’s host role in the National Institute for Farm Safety Meeting, as well as in publishing the peer-reviewed *Journal of Agromedicine*, coordinating correspondence amongst authors, reviewers and NFMC editors.
Mark Borchardt, Ph.D., launched the Wisconsin Water and Health Trial for Enteric Risks (WAHTER) study, an ambitious 14-community project in which water quality is being linked with the health of the more than 1,600 children and adult study participants. The study, sponsored by the U.S. Environmental Protection Agency, is the first of its kind. During the first phase of the study, ultraviolet lights are installed at every city well in seven communities, with the other seven communities serving as a control group. The lights provide additional purification to whatever system was already in place, and kill any remaining germs present in the water. After a period of time, the lights are moved to the other seven communities. Throughout the study, families are recording any household illnesses on health symptom checklists. Findings will help guide future EPA policy on protecting our nation’s groundwater resources and public health. In other EPA news, Dr. Borchardt serves on the agency’s Science Advisory Board’s Drinking Water Committee, and advises on technical issues underlying EPA policies and decision-making.

In a project separate from the WAHTER study, Dr. Borchardt found viruses in two of three deep city wells he tested in Madison. As a result of his findings, the Madison Water Utility adjusted its chlorine dosages. Dr. Borchardt also received funding from the Milwaukee Metropolitan Sewerage District to investigate transport of viruses to Milwaukee’s beaches. In Marshfield, Dr. Borchardt is collaborating with scientists at the new U.S. Department of Agriculture laboratory (part of the Institute for Environmentally Integrated Dairy Management) on manure management practices for controlling pathogens in groundwater.

Steve Foley, Ph.D., an infectious disease scientist, continued to serve as a Science Advisor for the U.S. Food and Drug Administration’s Office of Regulatory Affairs, assisting with development and implementation of more efficient methods to monitor the safety of the U.S. food supply. Dr. Foley received a grant from the Marshfield Clinic Research Foundation to develop methods that can be used to aid in the determination of the sources of microbial contamination in watersheds. His research focuses on trying to understand antimicrobial resistance and the disease-causing mechanisms utilized by pathogens that arise through the food chain. Dr. Foley recruited a postdoctoral research fellow, Aaron Lynne, Ph.D., to study factors that lead to the development and persistence of antimicrobial resistance in pathogens that are important to animal and human health. Dr. Foley also mentored two graduate students who successfully defended their masters theses. Their work, along with that of a summer intern, broadened the understanding of antimicrobial resistance in Salmonella enterica and identified potential vaccine targets for the disease avian colibacillosis. Dr. Foley also served on the review panel for the National Institute for Occupational Safety and Health Agricultural Research Centers in April.

Phil Bertz, research associate in the Public Health Microbiology Lab, continues with development of a novel filter to capture viruses from large-volume water samples. He traveled to 14 communities under the EPA WAHTER study to collect water samples, driving nearly 25,000 miles, as well as processing and analyzing those samples in the laboratory.
Donna David, research associate, joined Dr. Foley’s laboratory in December. She is developing methods to track *E. coli* in the environment. Previously she worked in the Marshfield Clinic Research Foundation Center for Human Genetics, and was responsible for optimizing new assays and developing short insertion/deletion polymorphisms.

Pravin Kaldhone, M.S., research associate, completed his master’s degree work in Dr. Foley’s laboratory and joined the staff following completion of his graduate work. He finished a project exploring the molecular characterization and antimicrobial susceptibility of *Salmonella enterica* serovar Heidelberg isolates of food animal origin, and presented results at the American Society for Microbiology General Meeting. In addition, he has assisted with projects to explore the genetics of transmissible antimicrobial resistance among different *Salmonella* strains.

Aaron Lynne, Ph.D., postdoctoral research fellow, joined Dr. Foley’s laboratory in August, 2006. Dr. Lynne has extensive experience in the development of methods for the detection and control of *E. coli*, a common pathogen in food animals and humans. He is working on projects to better understand the factors that contribute to the spread of antimicrobial resistance in *Salmonella*. Dr. Lynne came from Iowa State University, where he worked on the development of vaccines and diagnostic tests for *E. coli*.

Sue Spencer, senior research associate, assisted with a major study that assessed the link between antibiotic use in the poultry industry and antibiotic resistance of bacteria in humans, detecting streptogramin resistance genes and inducible resistance in enterococcal isolates from poultry and humans. She also developed methods to quantitate enteric viruses in groundwater and evaluated the effectiveness of *Cryptosporidium* removals in water treatment processes.

Matt Volenec, research associate, joined Dr. Borchardt’s laboratory in June. He has worked primarily on the WAHTER study, splitting his time between collecting water samples in participant communities and testing the samples for enteric viruses.
Barbara Lee, Ph.D., directed the National Children’s Center for Rural and Agricultural Health and Safety for the eighth consecutive year, in addition to her overall directorship of the NFMC. Dr. Lee facilitates implementation of the NFMC strategic plan, including administrative management, resource development and communications. The National Children’s Center completed Year Three of its second five-year National Institute for Occupational Safety and Health (NIOSH) grant.

In June, Dr. Lee convened a small group of agriculture industry leaders and federal agency representatives to discuss the potential of developing a U.S. Coalition of Agricultural Safety. She subsequently secured funding from the Farm Foundation to continue this planning process.

The center produced two important outreach publications: a manual to guide child safety leaders in promoting “Safe Play Areas on Farms” via model demonstrations at major farm events; and a resource handbook on “Agritourism: Health and Safety Guidelines for Children,” that farm owners and volunteers can use when hosting children at agritourism operations. The Center conducted its third annual Journalists Workshop on childhood agricultural health and safety, in the orchard country of central Washington. The workshop examined children at work, farmworker housing and environmental health hazards. Thirty journalists from across North America have participated in these workshops.

Dr. Lee served on the U.S. Department of Agriculture’s Youth Farm Safety Education and Certification steering committee; the Wisconsin Injury Research Center advisory board; and the Pacific Northwest Agricultural Research Center advisory board.

Barbara Marlenga, Ph.D., addressed an issue common to rural areas across the nation – youth operating tractors on public roads. She studied youth highway tractor crashes in Wisconsin for the years 1994-2003 to evaluate the effectiveness of a Wisconsin law mandating tractor certification classes for youth ages 12-16, allowing them to operate tractors on public roads without a driver’s license. Results, published in the journal Injury Prevention, indicated no reduction in youth tractor crashes after the law was passed, and found that the tractor certification course did not cover the major factors contributing to youth tractor crashes on public roads. The bottom line, suggested Dr. Marlenga in a follow-up editorial, is that the exemption allowing unlicensed youth to operate tractors on public roads is outdated and should be abandoned. In another matter of law, Dr. Marlenga is wrapping up a NIOSH-funded study on the potential impact on injury if the family farm exemption from the federal child labor laws – the Hazardous Occupations Orders for Agriculture (HOOA) – were removed. The findings will be used to inform the U.S. Department of Labor’s mandate to update the child labor laws in agriculture.
Dr. Marlenga continued research with her Canadian colleagues. She co-authored a manuscript in *Canadian Medical Association Journal* describing a retrospective case series study of fatal injuries to pre-school aged children on Canadian farms. Results indicated that pre-school children exposed to agricultural worksites are at higher risk of fatal injury than other children of the same age in Canada.

Dr. Marlenga also co-authored a chapter with Barbara Lee on childhood agricultural injury prevention in an American Public Health Association textbook on “Injury Prevention for Children and Adolescents.” Dr. Marlenga was recognized at the National Rural Health Association conference when her poster on the North American Guidelines for Children’s Agricultural Tasks (NAGCAT) five-year assessment and priorities for the future was selected as the first runner-up for outstanding poster.

**Regina Fisher**, agricultural youth safety specialist, is the National Children’s Center’s primary coordinator for technical assistance. This past year she led efforts related to the internal “Creating Safe Play Areas on Farms” projects, and provided assistance to external researchers regarding Safe Play and NAGCAT. Fisher also coordinated development of the Childhood Agriculture Safety Network’s Childhood Agricultural Safety Public Awareness Campaign, “Keep Kids Away From Tractors.” Fisher served as the Center liaison for the NIOSH Agricultural Center Evaluation, and coordinated efforts for the Center’s year end report and its submission to the National Academy of Science Review. She provided expert presentations at numerous conferences including the Safe Kids Worldwide Conference in Washington, D.C.

**Michael Humann, M.S.**, agricultural health and safety research specialist, led development of a user-friendly resource for agritourism operators large and small. *“Agritourism: Health and Safety Guidelines for Children,”* is a full-color, 37-page booklet published by the National Children’s Center. The guidelines are the first to be developed applying specifically to children. They were developed over a 14-month period with input from two dozen agricultural health and safety professionals and agritourism operators across the country. The booklet includes tips on identifying and reducing hazards found on farms, such as those involving animals, water, machinery and hygiene. Convenient checklists help owners implement recommendations before visits by agritourists. Humann’s other responsibilities included coordinating the National Children’s Center mini-grant program.

**Amy Liebman, M.P.A.**, is the NFMC’s formal consultant through the Migrant Clinicians Network, Amy works as a “virtual” staff member from her home base in Salisbury, MD. She handles most technical assistance inquiries related to migrant children and provides updates to NFMC staff regarding relevant research, education and policy activities at regional and national levels. Amy also brings unique perspective to the Childhood Agricultural Safety Network as the Migrant Clinicians Network representative.
More than 200 people gathered at Marshfield Clinic April 27, 2006, to celebrate the 25th anniversary of the National Farm Medicine Center.

Physicians and support staff, scientists, donors, members of the community and government leadership joined in an evening of celebration and reflection with a keynote address by Orion Samuelson of WGN Radio Networks. The event paid tribute to a quarter century of NFMC’s leading role in addressing human health and safety associated with agricultural work life and environments.

NFMC Historical Highlights

1959: National Institute of Health (NIH) awards Marshfield Clinic federal grant to study farmer’s lung disease
1960s: Research expands to include study of organic dust toxic syndrome and maple bark disease
1972: NIH awards Marshfield Clinic grant for Specialized Center of Research to study pulmonary response to organic dust exposures
1979-80: Task force reviews agriculture related medical problems as seen by Marshfield Clinic physicians, leads to feasibility study and formal recommendations to establish a farm medicine center
1981: NFMC formed as a program of Marshfield Clinic Research Foundation; farm accident rescue training programs initiated
1982: NFMC receives start-up funds from Marshfield Clinic and is formally introduced to community and media; first Auction of Champions fund-raising event generates $11,000 for NFMC
1983: NFMC begins health screenings at annual Wisconsin Farm Progress Days; Ag Day, a program featuring 22 health topics, is developed and distributed to 70 national television stations
1984: AgrilHealth, a five-part video education curriculum, is developed and disseminated nationally to high school agriculture teachers
1985: Today’s Farm Health radio series, featuring actor Eddie Albert, is broadcast by more than 200 radio networks nationwide
1987: Emergency room-based farm injury surveillance and noise exposure in agriculture pilot study initiated; NFMC receives National Institute for Occupational Safety and Health (NIOSH) contracts to develop data collection tools for farm injuries and farm chemical exposure
1988: The Country Doctor medical advice column featured in monthly farm magazines; NFMC environmental health project funded by Amoco Corporation to address underground fuel storage on farms
1989: NFMC receives funding from NIOSH for population-based farm injury surveillance; NFMC hosts Midwest Conference for Farmers with Disabilities
1990: NFMC awarded NIOSH grant for Wisconsin Farmers Cancer Control Program; NFMC releases A Guide to Tractor Roll Bars and Other Rollover Protective Structures
1991: NFMC designated a NIOSH Center for Agricultural Disease and Injury Research, Education and Prevention; Farmers Caps and Hats research leads to national media coverage
Among those congratulating NFMC via videotape were Seventh District Congressman Dave Obey and United States Senator Herb Kohl.


Said Sen. Kohl: “As home to the nation’s preeminent facility for preventing childhood farm injuries, you have made a difference in countless rural communities.”

Paul Gunderson, Ph.D., former director of the NFMC and Marshfield Clinic Research Foundation, accepted the 2006 Stueland Scholar award from NFMC manager Marlene Stueland. The award presentation was part of the celebration marking the 25th anniversary. The award is named after the late Dean Stueland, M.D., M.P.H.
In June, the National Children’s Center and National Farm Medicine Center hosted the annual meeting of the National Institute for Farm Safety (NIFS). Nearly 170 agricultural safety and health professionals from across North America attended at the Blue Harbor Resort and Conference Center in Sheboygan, marking the first time the meeting had been held in Wisconsin since 1978.

The conference theme, “Meeting Challenges Together,” reflected the importance of researchers connecting appropriately and adequately with farmers and safety professionals.

Participants attended educational sessions and viewed posters and displays on such varied topics as the impact of litigation on the development of farm safety practices, reducing farmers’ risk for hearing loss, incentives to encourage ergonomic behavior in Latino farmworkers, youth all-terrain vehicle behavior, and injuries to farm women over age 50. Optional tours included the Case New Holland tractor assembly plant in Racine as well as a package tour of several Sheboygan-area farms. John Howard, M.D., director of the National Institute for Occupational Safety and Health, spoke during the opening session.

The NIFS, established in 1962, is an independent, non-profit professional society of individuals who devote all or a major portion of their work to agricultural safety. Mark Purschwitz and Barbara Lee are past presidents of NIFS.
Outreach

The National Farm Medicine Center communicates results of its research to farm families and health and safety professionals. The NFMC translates research into practice via two newsletters, an annual report, Web site, formal presentations, articles in peer-reviewed science journals, technical assistance to public health professionals and participation in fairs and conferences.

The administration core provides a framework to support, guide and monitor the progress of the NFMC's initiatives in research, outreach and education. It also facilitates growth through fundraising, endowments, grants and contracts. Overseeing administration is Barbara Lee, Ph.D.

Outreach highlights in 2006:

- Media highlights included a column in Successful Farming magazine on Safe Play Areas and extensive Wisconsin media coverage of the Center’s 25th anniversary. Center researchers and staff regularly gave interviews to media, including: National Public Radio, Successful Farming Radio Network and the national “This Week in Agribusiness” television program. The NFMC also enhanced its national media profile by regularly disseminating press releases and sending a representative to the annual National Association of Farm Broadcasters meeting and to the Agricultural Media Summit.

- Published two newsletter titles: Nurture, published three times per year, disseminates children's rural health and safety information to professionals in the fields of health and safety, agri-business, policy-making and the media; Cultivate, published twice a year, keeps readers informed of all aspects of National Farm Medicine Center activities.

- Updated Web capabilities to better provided NFMC resources and news to visitors. Additions included a Web site dedicated to the Childhood Agricultural Safety Network initiative to keep children younger than 12 away from tractors (www.childagsafety.org).

- NFMC researchers and staff published nearly 30 peer-reviewed articles, book chapters and official reports; and gave two dozen presentations to conferences, workshops and community groups.

- Conducted the third annual Journalists Workshop, which focuses on the role of media in the coverage of childhood agricultural safety and health. The NIOSH-funded workshop, held in Wenatchee, Washington, gave 10 Pacific Northwest journalists the opportunity to experience first-hand the complex issues that families face as they attempt to run their farm businesses safely and profitably. Previous workshops had been held in Marshfield, Wisconsin, and Cooperstown, New York.

- As a community service project, NFMC staff and family members volunteered for the Rotary Winter Wonderland project, collecting food items and money to stock Marshfield’s various food pantries.
Childhood Agricultural Safety Public Awareness Campaign

‘It’s easier to bury a tradition than a child’
Coalition urges: ‘Keep Kids Away from Tractors’

A coalition coordinated by Barbara Lee, Ph.D., and Regina Fisher launched a national campaign with a simple message: “Keep Kids Away from Tractors.”

On average, a child dies on a farm once every 3.5 days. The biggest single cause of those deaths is something that’s on practically every farm: a tractor. That’s why the coalition, the Childhood Agricultural Safety Network (CASN), says children younger than 12 years old should not be on or near tractors. In many rural areas, having children ride on the tractor with parents or grandparents is considered part of the farming tradition. But the coalition asserts a tough love message: “It’s easier to bury a tradition than a child.”

The initiative is funded by the National Institute for Occupational Safety and Health through the National Children’s Center. CASN includes representatives of Farm Safety 4 Just Kids, Migrant Clinicians Network, National Education Center for Agricultural Safety, Progressive Agricultural Foundation, National Center for Farmworker Health, Safe Kids Worldwide, Safe Kids Canada, Association of Farmworker Opportunity Programs, Washington Department of Labor and Industries and National Council of Agricultural Employers.

Posters in English, Spanish and French, along with other promotional materials and audio public service announcements, are available at the Web site, www.childagsafety.org.

By year’s end, country singer Michael Peterson joined the campaign and recorded 30- and 60-second radio public service announcements, and work had begun on developing a television public service announcement. The campaign story was picked up by agricultural media outlets across the U.S., including a televised interview by Orion Samuelson, host of RFD-TV’s “This Week in Agribusiness.”
Publications


Marlenega B. We don’t need a randomized controlled trial: Youth should have a driver’s license to operate tractors on public roads. Journal of Agricultural Safety and Health. 2006;12(1):3-4. (Editorial).


Published Abstracts with Oral Presentations or Poster Sessions


Kirkhorn SR. Early life farm exposure effects upon the development of childhood asthma and atopy. Sixteenth International Congress of Agricultural Medicine and Rural Health. Lodi, Italy, June 19.


Kirkhorn SR. Early life farm exposure effects upon the development of childhood asthma and atopy. Sixteenth International Congress of Agricultural Medicine and Rural Health. Lodi, Italy, June 19.


Invited Presentations

Minnesota Farm Bureau Federation
February 4, St. Cloud, MN
“Children on the Farm: How can we keep them safe,” Regina Fisher

Wisconsin Water Association
Groundwater Seminar
February 16, Wisconsin Dells, WI
“How Safe is our Groundwater: Determining Groundwater Disease Transmission Risk,”
Mark Borchardt

Village of Prairie du Sac
March 21, Prairie du Sac, WI
“Wisconsin WAHTER Study,” Mark Borchardt

Chris Hanna presented at the annual Lifesavers conference in Austin, Texas, in April. Hanna is now working at the Michigan Public Health Institute.
The National Farm Medicine Center received “The President’s Award” from Dee Jepsen, president of the National Institute for Farm Safety (NIFS), for its work in hosting the 2006 NIFS meeting in Sheboygan, Wisconsin.
Exhibits and Conferences Attended

Food and Drug Administration
Science Forum
April, Washington, DC

American Society for Microbiology
General Meeting
May, Orlando, FL

National Institute for Farm Safety
June 25-30, Sheboygan, WI

American Society of Agricultural
and Biological Engineers Annual
International Meeting
July 9-12, Portland, OR

Agricultural Media Summit
July 23-26, Portland, OR

Interscience Conference on
Antimicrobial Agents and
Chemotherapy
September, San Francisco, CA

National Association of
Farm Broadcasters
November 16-17, Kansas City, MO

Federal Agency Representatives

David Hard, Ph.D.
National Institute for Occupational Safety and Health

Art Kerschner, Jr.
U.S. Department of Labor

Brad Rein, P.E.
U.S. Department of Agriculture/Cooperative State Research, Education, and Extension Service

Childhood Agricultural Safety Network

AgriSafe Network
Keedysville, MD
Contact: Natalie Ray, M.P.H.

American Farm Bureau Federation
Washington, DC
Contact: Marsha Purcell, CAE

Canadian Agricultural Safety Association
Glen Blahay, CRSP

Farm Safety 4 Just Kids
Earlham, IA
Contact: Shari Burgus, M.Ed.

Migrant Clinicians Network, Inc.
Austin, Texas
Contact: Amy Liebman, M.P.A.

Childhood Agricultural Safety Network

National Center for Farmworker Health
Buda, Texas
Contact: Sylvia Partida

National Education Center for Agricultural Safety
Peosta, IA
Contact: Dan Neenan

National Safety Council
Itasca, IL
Contact: TBA

Progressive Agriculture Foundation
Birmingham, AL
Contact: Susan Reynolds, M.S.

Safe Kids Canada
Toronto, ON
Contact: Pam Fuselli
Making a Gift

The National Farm Medicine Center (NFMC) expresses its thanks to all individuals and businesses that support the center’s work.

Private donations provide a significant source of support. Eight percent of its fiscal 2006 budget came from private sources, and of that, half was generated by a single event: the annual Auction of Champions.

The NFMC agenda has evolved to keep pace with health and safety concerns in modern agriculture, and the donations support research and outreach on issues that affect agricultural producers, farm workers, and rural residents.

For information on making a gift to the National Farm Medicine Center, or to the Dr. Dean Emanuel Endowment, please visit the Marshfield Clinic Development Department Web site, http://www.marshfieldclinic.org/contributors/pages/, or call 1-800-858-5220.

NFMC Revenue Fiscal Year 2006

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The National Farm Medicine Center wishes to acknowledge its major funding sources:

- The National Children’s Center for Agricultural Health and Safety, National Institute for Occupational Safety and Health (NIOSH) award no. U50/OH008107-03
- NIOSH award no. 5 ROI OH008046-03
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- Environmental Protection Agency STAR Grant no.: R831630

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