

2009
**West Central Mosquito
and
Vector Control
Association**

- 35th Annual Meeting -



Best Western Ramkota Inn
Rapid City, South Dakota
February 26-27, 2009

2008 WCMVCA Officers

Janet McAllister, *President*

Keith Wardlaw, *First Vice President*

Tony Stilwell, *Second Vice President*

Steve DeFeyer, *Treasurer*

Sara Evans, *Secretary*

Kristine Bennett, *Executive Board Member*

Brian Hougaard, *Executive Board Member*

Robert Brand, *Past President*

2008 Sustaining Members

ADAPCO

AllPro Vector Group

B & G Chemical & Equipment

Clarke Mosquito Control Products, Inc.

Colorado Mosquito Control, Inc.

Compass Com Software Corp

Electronic Data Solutions

OtterTail Environmental, Inc.

UAP Professional Products

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Past Presidents

1974—Archie Hess, Colorado
1975—Louis Ogden, Colorado
1976—Donald Forcum, Wyoming
1977—Fred Malone, New Mexico
1978—Harold Butterfield, Nebraska
1979—John Lloyd, Wyoming
1980—Jay Linam, Colorado
1981—Garth Graves, New Mexico
1982—Bruce Francy, Colorado
1983—Everert Spackman, Wyoming
1984—William Rapp, Jr. Nebraska
1985—Donald Forcum, Wyoming
1986—Gerald Holandsworth, Colorado
1987—Curtis Montman, New Mexico
1988—Chester Moore, Colorado
1989—Kenneth Minson, Utah
1990—Kenneth Conright—Colorado
1991—Gary Maupin, Colorado
1992—Jim Harrison, Colorado
1993—Sammie Dickson, Utah
1994—Fred Holbrook, Wyoming
1995—Eugene Mortimer, New Mexico
1996—Pamela Reynolds, New Mexico
1997—C. Mills Reeves, Jr., Texas
1998—Wayne Kramer, Nebraska
1999—Joseph Targehetta, New Mexico
2000—Gary Hatch, Utah
2001—Mike McGinnis, Colorado
2002—Brad Asay, Wyoming
2003—Monte Deatrich, Colorado
2004—Evan Lusty, Utah
2005—Tom Janousek, Nebraska
2006—Mike Doyle, Colorado
2007—Robert Brand, Utah
2008—Janet McAllister, Colorado

2009 Annual Meeting Speakers

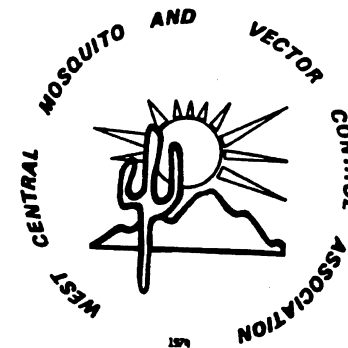
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———— WEDNESDAY, FEBRUARY 25 ————

- 4:00-6:00 pm Registration and Submission of
PowerPoint Presentations
- 6:00 pm- Board Meeting

———— THURSDAY, FEBRUARY 26 ————

- 6:30 am-4:00 pm Registration
- REGISTRATION TABLE**
Sponsored by
**Clarke Mosquito
Control Products, Inc.**
- 6:30-8:15 am Submission of Presentations
- AUDIO/VISUALS**
Sponsored by
B & G Chemical & Equipment
- 6:30-8:30 am **EARLY MORNING COFFEE**
Sponsored by **Central Life
Sciences/Wellmark**

- 9:30-9:45 am **“Composite review of the
characteristics of Duet ULV adulticide
and cooperater field trials from 2008”**
Tom Hedrick, Clarke Mosquito Control,
Norfolk, NE
- 9:45-10:00 am **“A ULV Field Trial Using Duet: A Dual
Action Adulticide”** **Sammie Lee
Dickson**, Salt Lake City Mosquito
Abatement District, Salt Lake City, UT
- 10:00-10:30 am **MORNING BREAK**

2nd MORNING SESSION:
Moderated by **Marta Iwaseczko**, Teton
County Mosquito Abatement, Jackson, WY

- 10:30-11:15 am **“Personal Protection on the Job”**
Officer Andrew Zook, Crime Prevention
Specialist, City of Laramie Police
Department, Laramie, WY
- 11:15-11:35 am **“Determination of the mode of action
for natural products isolated from
essential oils of two trees”** **Mary
Adams, Janet McAllister**, Centers for
Disease Control & Prevention, Division
of Vector-Borne Infectious Diseases,
Fort Collins, CO.
- 11:35-11:50 am **“Tools for Automating Mosquito
Control Operations: An overview of
Sentinel GIS”** **Larry Metzger**, B&G
Chemical and Equipment, Dallas, TX;
Ryan Pierson, Electronic Data
Solutions, Jerome, ID
- 11:50 am-12:05 pm **“Zenivex E20: 2008 field trial results”**
Ed Bredemeyer, Central Life Sciences,
San Antonio, TX; **Dr. S. Dickson**, Salt
Lake City MAD, Salt Lake City, UT
- 12:05 pm- **ADJOURN**

Nathan Vessey, Pam Stark, Kyle Flatt, Rudy Bueno, Harris County Public Health and Environmental Services, Houston, TX

- 4:20-4:40 pm **“Ecological Forecasting of West Nile Virus Risk Using Geospatial Technologies” Michael C. Wimberly, Geoffrey M. Henebrey** GSIC Center of Excellence, Brookings, SD; **Gabriel Senay**, GSIC Center of Excellence, Brookings, SD and USGS Center for Earth Resources Observations Science, Sioux Falls, SD; **M. B. Hildreth**, Dept. of Biology/Microbiology, South Dakota State University
- 4:40-5:00 pm **“The Stable Fly (Stomoxys calcitrans): A Potential Vector of West Nile Virus?” Mike Doyle** Arboviral Diseases Branch, Centers for Disease Control & Prevention Fortt Collins, CO

5:00 pm- **SOCIAL** Sponsored by **ADAPCO**

FRIDAY, FEBRUARY 27th

- 7:00-9:00 am **REGISTRATION**
- 7:00-8:30 am **EARLY MORNING BREAKFAST BUFFET AND COFFEE** Sponsored by **Ottertail Environmental, Inc.**

1st MORNING SESSION:
Moderated by Keith Wardlaw, City of Laramie
Mosquito Control, Laramie, WY

- 8:30-9:30 am **KEYNOTE ADDRESS**
“Six Legged Soldiers” Dr. Jeffrey Lockwood, University of Wyoming, Laramie, WY

1st MORNING SESSION:

Moderated by Dr. Janet McAllister
CDC, Fort Collins, CO

- 8:30-8:40 am Introduction: Janet McAllister, President WCMVCA, Fort Collins, CO
- 8:40-8:50 am **Welcome to Rapid City**
Honorable Mayor Alan Hanks
- 8:50-9:20 am **“The fate and risks of truck-mounted ultra-low-volume insecticides.” Jerome J. Schleier, Robert K.D. Peterson**, Montana State University, Bozeman, MT
- 9:20-10:00 am **Vendor Introductions**
- 10:00-10:25 am **MORNING BREAK** Sponsored by **AMVAC**

2nd MORNING SESSION:

Moderated by John Holick Teton County
Mosquito Abatement, Jackson, WY

- 10:25-11:15 am **“The War Between States: Public Health Perspectives” Joseph Conlon**, Technical Advisor, American Mosquito Control Association
- 11:15-11:30 am **“Vectomax: A product introduction” Stephanie Whitman**, Valent Biosciences, Laramie, WY
- 11:30-11:45 am **“Least Chub in Ornamental Ponds” Gary Hatch**, Mosquito Abatement District-Davis, Kaysville, UT; **Dr. Sammie Dickson**, Salt Lake City MAD, Salt Lake City, UT; **Brian Hougaard**, South Salt Lake Valley MA, Sandy, UT, **Krissy Wilson**, Utah Division of Wildlife, Salt Lake City, UT

11:45 am-12:00 pm **“Effects of Viral Infections on Blood-Feeding Behavior in *Culicoides sonorensis* (Diptera: Ceratopogonidae)”**
Kristine Bennett, Jessica E. Hopper, Melissa A. Stuart, Mark West, Barbara S. Drolet, USDA/ARS/Arthropod Borne Animal Diseases Research Laboratory, Laramie, WY

12:00-12:15 pm **“Emerging, Spreading, and Entrenched” West Nile and other vector-borne Diseases in South Dakota.”** **Lon Kightlinger, Nick Hill**, South Dakota Department of Health, Pierre, SD

12:15-

12:30-1:30 pm **LUNCH & WCMVCA BUSINESS MEETING** Sponsored by **Valent Biosciences**

1st AFTERNOON SESSION:
Moderated by Steve Defeyter, Mesa County Health Department, Grand Junction, CO

1:30-1:50 pm **“West Nile Virus Surveillance in Mosquitoes from South Dakota: 2001-2008”** **M.B. Hildreth, Matt Wittry**, Dept. Biology/Microbiology, South Dakota State University; **J.Wilson**, Dept. Plant Science, South Dakota State University; **C.D. Carlson, R.A. Hoffman**, South Dakota Public Health Laboratory; **L. Kightlinger**, South Dakota Department of Health

1:50-2:10 pm **“Northern Colorado Vector-Borne Disease Advisory Group”** **Sara Evans**, Weld County Dept. of Public Health & Environment, Greeley, CO; **Michael Doyle, LeAnne Kempton** Larimer County Dept. of Public Health & Environment, Fort Collins, CO;

Carol McInnes, Boulder County Dept. of Public Health & Environment, Boulder, CO

2:10-2:25 pm **“Expanding Education”** **Brian Housgaard, Boyd Wenerstrom**, South Salt Lake Valley Mosquito Abatement, Sandy, UT

2:25-2:40 pm **“The Diel Pattern of Host Seeking Activity by *Culex tarsalis* in South Dakota in 2007-2008”** **Matt Wittry, M.B. Hildreth, R. Deude**, Dept. of Biology/Microbiology, South Dakota State University; **J. Flint**, Buena Vista University; **C.D. Carlson, A. Novak**, South Dakota Public Health Laboratory

2:40-2:55 pm **“American Mosquito Control Association Update”** **Joseph Conlon**, Technical Advisor, AMCA

2:55-3:25 pm **AFTERNOON BREAK:** Sponsored by: **UNIVAR USA**

2nd AFTERNOON SESSION:
Moderated by Sara Evans, Weld County Dept. of Public Health & Environment, Greeley, CO

3:25-3:45 pm **“Zenivex E20: a new highly effective, reduced- risk mosquito adulticide”** **Dean Gaiser**, Central Life Sciences

3:45-4:00 pm **“A field trial using etofenprox adulticide”** **Sammie Lee Dickson**, Salt Lake City MAD; **Bill Reynolds, Ed Bredemeyer, Keith L. Haas**, Central Life Sciences

4:00-4:20 pm **“Metabolic Resistance Mechanisms detected in *Culex quinquefasciatus* from Harris Co. TX”** **Mariah Scott, Janet McAllister**, Centers for Disease Control & Prevention, Division of Vector-Borne Infectious Diseases, Fort Collins, CO;