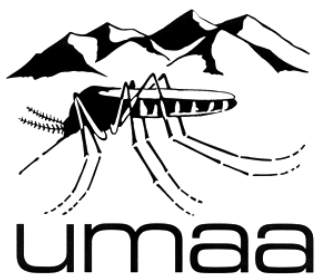


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72<sup>nd</sup>  
ANNUAL CONFERENCE  
OF THE  
UTAH MOSQUITO ABATEMENT  
ASSOCIATION



Best Western Plus Ruby's Inn  
1000 S Hwy 63  
Bryce Canyon City, Utah 84764

October 13-15, 2019

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# PROGRAM SUMMARY

## Sunday, October 13, 2019

- |                |                                                              |
|----------------|--------------------------------------------------------------|
| 3:00 – 6:30 pm | Registration                                                 |
| 3:00 – 7:00 pm | Exhibitor Setup<br>Red Canyon B                              |
| 6:30 pm        | UMAA Board Meeting<br>Manzanita Room (2 <sup>nd</sup> floor) |
| 8:00 pm        | President's Reception<br>Red Canyon A & B                    |

## Monday, October 14, 2019

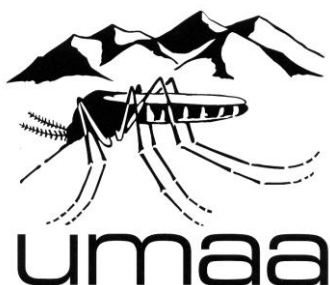
- |          |                                                            |
|----------|------------------------------------------------------------|
| 7:30 am  | Registration                                               |
| 8:00 am  | Plenary Session<br>Red Canyon A & B                        |
| 10:00 am | Break                                                      |
| 10:20 am | Door Prize Drawing                                         |
| 10:30 am | General Session<br>Red Canyon A & B                        |
| Noon     | Lunch – Ruby's Inn Restaurant                              |
| 1:30 pm  | General Session<br>Red Canyon A & B                        |
| 1:30 pm  | Trustees Session<br>Manzanita Room (2 <sup>nd</sup> floor) |
| 3:00 pm  | Break                                                      |
| 3:30 pm  | General Session<br>Red Canyon A & B                        |
| 3:30 pm  | Trustees Session<br>Manzanita Room (2 <sup>nd</sup> floor) |
| 5:00 pm  | Adjourn                                                    |
| 7:00 pm  | Banquet – Ebenezer Barn & Grill                            |

## Tuesday, October 15, 2019

- |          |                                                                        |
|----------|------------------------------------------------------------------------|
| 8:00 am  | General Session<br>Red Canyon A & B                                    |
| 10:00 am | Break                                                                  |
| 10:20 am | Door Prize Drawing                                                     |
| 10:30 am | General Session<br>Red Canyon A & B                                    |
| 11:50 am | Adjourn                                                                |
| 12:30 pm | UMAA Annual Business Meeting<br>Manzanita Room (2 <sup>nd</sup> floor) |

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WELCOME TO THE  
**72<sup>nd</sup>**  
ANNUAL CONFERENCE  
OF THE



UTAH MOSQUITO ABATEMENT  
ASSOCIATION

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CONFERENCE HOST

West Millard Mosquito Abatement District  
Eldon Rowley, Manager

MEETING LOCATION

Best Western Plus Ruby's Inn  
1000 S Hwy 63  
Bryce Canyon City, Utah 84764  
October 13-15, 2019

# UMAA OFFICERS AND BOARD OF DIRECTORS

<b>President</b> Sean Amodt	William Cox Rex Davis Ary Faraji Gary Hatch Keith Hill Brian Hougaard Ryan Lusty Dan Miller Elizabeth Nance Branton Nielson Gary Nielson Richard Rigby Kirk Robbins Chris Rowley Eldon Rowley Randy Sessions Bryan Stephens Kay Weight Cory Worwood
<b>President-Elect</b> Dan Miller	
<b>Vice-President</b> Greg White	
<b>Secretary/Treasurer</b> Scott Bradshaw	
<b>Past President</b> Scott Bradshaw	
<b>Executive Director</b> Randel Sessions	
<b>Directors</b> Sean Amodt Scott Bradshaw Rick Chapoose Jr.	

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## UMAA COMMITTEE CHAIRMEN

<b>Auditing</b> Greg White	<b>Operational</b> Brian Hougaard
<b>Awards</b> Scott Bradshaw	<b>Pesticides</b> Randy Sessions
<b>Computer/Data Processing</b> Devin Belnap	<b>Policy, Finance &amp; Bylaws</b> Greg White
<b>Encephalitis Surveillance</b> Gary Hatch	<b>Program</b> Dan Miller
<b>Environmental Impact</b> Kirk Robbins	<b>Public Education</b> Richard Rigby
<b>Legislative &amp; Resolutions</b> Bill Cox	<b>Mosquito Control-Fish &amp; Wildlife Mgmt. Coordination</b> Rick Chapoose Jr.
<b>Local Arrangements</b> Eldon Rowley	<b>Workshop</b> Gary Hatch
<b>Nominating</b> Scott Bradshaw	

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# Monday Morning

October 14, 2019

## Plenary Session Red Canyon A & B

Moderator: **Sean Amodt, UMAA President**

- 8:00 Call to Order & Announcements, **Sean Amodt**, UMAA President and Director, Southwest Mosquito Abatement & Control District, Washington, UT
- 8:10 Welcome to Ruby's Inn, **Lance Syrett**, Ruby's Inn, Bryce Canyon, UT
- 8:15 AMCA, Introduction and Updates: **Ary Faraji**, Executive Director, Salt Lake City Mosquito Abatement District, President Elect AMCA
- 8:40 Introduction of Keynote Speaker, **Dan Miller**, Manager, Utah County Mosquito Abatement Department
- 8:45 **Keynote Address:** Aerial Mosquito Control, **Mark Latham**, Director Manatee County Mosquito Control District, Palmetto, Florida
- 9:50 **Awards – Scott Bradshaw**, Manager, Tooele Valley MAD, Chairman of Awards Committee
- 9:59 **Nominations – Scott Bradshaw**, Chairman of Nominating Committee
- 10:00 **Break**  
Door Prize Drawing @ 10:20

- 10:30 2019 Utah Arboviral Disease Summary, **Dallin Peterson**, Vectorborne/Zoonotic Disease Epidemiologist, Utah Department of Health
- 10:45 Utah Water Projects, **Maureen Wilson**, Project Coordinator, Utah Reclamation Mitigation and Conservation Commission
- 11:05 Mathematical Model to Control Mosquito Populations Through Optimal Treatment Strategies including Wolbachia Infection, **Ammon Taylor**, Student, Dixie State University
- 11:20 Medical Cannabis and Other Dope Employment Issues, **Jason Watterson**, Loss Prevention Consultant, Utah Local Governments Trust
- 11:40 Innovations in GIS and Mosquito Abatement, **Andrea Befus**, System Analyst, Utah County GIS Department
- Noon **Lunch**  
**Ruby's Inn Restaurant**

## **Monday Afternoon**

October 14, 2019

### **General Session** **Red Canyon A & B**

Moderator: **Dan Miller**, UMAA President-Elect

- 1:30 Using Native Flora as Attractant for Sugar Bait Traps, **Elizabeth Hart**, Lab Technician, Utah County Mosquito Abatement Department

- 1:45 The Most Common Container *Aedes* transmitted disease, **Brian Byrd**, Professor, Environmental Health, Western Carolina University
- 2:05 Zenivex Resistance Study, **Dan Miller**, Director Utah County Mosquito Abatement Department
- 2:25 Clarke Adulticide Trial Work, **Andrew Rivera**, West Region Field Biologist, Clarke
- 2:45 Software Solution, **Chad Minter**, Frontier Precision, Inc.
- 3:00 **Break**
- 3:30 Buffalo Turbines Ogden Bay, **Tim Reissen**, GIS Manager, Weber Mosquito Abatement District
- 3:45 Yuma County WALs Trial, **Gail Jirik**, Technical Sales Representative, ADAPCO
- 4:00 Drone Larviciding for the Little Guy, **Jason Bird**, President, Bio Flight Applications
- 4:20 How Public Health Responds to Vectorborne Emergencies, **Jeffery Eason**, Assistant Manager, Utah Department of Health
- 4:40 Introduction of Sustaining Members (Vendors), **Sean Amodt**, UMAA President
- 5:00 **Adjourn**

# Monday Afternoon

October 14, 2019

## Trustee's Session Manzanita Room (2<sup>nd</sup> floor)

Moderator: **Scott Bradshaw**, UMAA Past  
President

1:30 Trustee Training

**LeGrand Bitter** – Executive Director,  
Utah Association of Special Districts

**Seth O'Veson**, Local Government  
Supervisor, Office of the State  
Auditor

3:00 **Break**

3:30 Trustee Training

**LeGrand Bitter** – Executive Director,  
Utah Association of Special Districts

**Seth O'Veson**, Local Government  
Supervisor, Office of the State  
Auditor

5:00 **Adjourn**

# Monday Evening

October 14, 2019

Dinner and Entertainment

**Ebenezer Barn and Grill**  
(Located across Highway 63)

Doors open at 7:00 PM



Dinner starts at **8:00 PM**  
**Tuesday Morning**  
October 15, 2019

**General Session**  
**Red Canyon A & B**

Moderator: **Greg White**, UMAA Vice President

- 8:05 Morning Intro and Announcements, **Greg White**
- 8:10 My Life in Mosquito Control, **Mark Latham**, Director Manatee County Mosquito Control District, Palmetto, Florida
- 8:40 PCR Testing for Polymer Chain Reaction, **Dennis Crockett**, Masen Christensen, Co-Diagnostics, Inc.
- 9:00 Learning PCR using the Magnetic Induction Cycler, **Ryan Lusty**, Manager Magna Mosquito Abatement District
- 9:20 Collecting Mosquito Specimens at High Elevations in Iron County, **Erin Flores and Ashley Tuler**, Students, Southern Utah University, Cedar City, Utah
- 9:40 Time in a Bottle, What We Have Learned from A Decade of Bottle Trapping, **Dan Miller**, Manager Utah County MAD
- 10:00 **Break**  
Door Prize Drawing @ 10:20
- 10:30 An Overview of Mosquito Abatement Activity in the Delta Utah Area, **Eldon Rowley**, Manager, West Millard MAD

- 10:40 From Trapping to Lab, A Work in Progress, **Shannon Moody**, Assistant Manager, West Millard MAD
- 11:00 Use of CDC Bottle Bioassay to Evaluate Insecticide Resistance in Mosquitoes at the South Salt Lake Valley MAD, **Eric Gardner**, Assistant Manager/Biologist, So. Salt Lake Valley MAD
- 11:20 Precision Vision Unmanned Aircraft System Experiences for 2019, **Bill Reynolds**, President/Owner Leading Edge Associates, Inc.
- 11:30 Aerial Larviciding with the DJI MG-1S, **Brad Sorensen**, Urban Field Supervisor, Salt Lake MAD
- 11:50 **Adjourn**
- 12:30 **UMAA Annual Business Meeting**, Manzanita Room, (2<sup>nd</sup> floor)

## **2019 UMAA SUSTAINING MEMBERS**

### **ADAPCO INC.**

Gale Jirik  
1851 CR 671  
Rye, CO 81069  
(866) 845-2550  
(505) 366-7989 Cell  
[gjirik@myadapco.com](mailto:gjirik@myadapco.com)

### **AMVAC Environmental Product**

Peter Connelly  
5225 Clarlendon Hills Dr  
Fort Collins, CO 80526  
(772) 205-5280  
[peterc@amvac.com](mailto:peterc@amvac.com)

### **CENTRAL LIFE SCIENCES, INC.**

Blaine Oakeson  
1091 N 3500 W  
Marriott-Slaterville, UT 84404  
(801) 389-0867  
[boakeson@central.com](mailto:boakeson@central.com)

### **CLARKE**

Ryan Arkoudas  
4700 Hollow Rd  
Nibley, UT 84321  
(435) 777-3058 cell  
[rarkoudas@clarke.com](mailto:rarkoudas@clarke.com)

### **CO-DIAGNOSTICS, INC.**

Seth Egan  
2401 Foothill Blvd, Suite D  
Salt Lake City, UT 84109  
(801) 635-9436  
[s.egan@codiagnostics.com](mailto:s.egan@codiagnostics.com)

### **FRONTIER PRECISION**

Chad Minter  
154 1<sup>st</sup> Avenue W.  
Jerome, ID 83338  
(208) 324-8006  
[chad@frontierprecision.com](mailto:chad@frontierprecision.com)

**LEADING EDGE ASSOCIATES, LLC**

William 'Bill' Reynolds  
450 Brannon Forest Dr.  
Waynesville, NC 28785  
(828) 926-6525  
(407) 468-0008 cell  
[breynolds@leateam.com](mailto:breynolds@leateam.com)

**TARGET SPECIALTY PRODUCTS**

Robert Snyder  
Freeport Center H Street, Building J10  
Clearfield, UT 54016  
(602) 284-4003  
[robert.snyder@target-specialty.com](mailto:robert.snyder@target-specialty.com)

**UNIVAR ENVIRONMENTAL SCIENCES**

Mark Nelson  
4530 South 300 West  
Murray, UT 84107  
(801) 243-9350  
[mark.nelson@univar.com](mailto:mark.nelson@univar.com)

**UTAH LOCAL GOVERNMENTS TRUST**

Ryan Hatch  
55 South Hwy 89  
North Salt Lake, UT 84054-2504  
(801) 936-6400  
(800) 748-4440  
[ryan@utahtrust.gov](mailto:ryan@utahtrust.gov)

**VALENT BIOSCIENCES**

John Holick  
6656 Butler Road  
Penryn, CA 95663  
(509) 222-8039  
[John.Holick@valentbiosciences.com](mailto:John.Holick@valentbiosciences.com)

**VECTOR DISEASE CONTROL, LLC (VDCI)**

Malcom Williams  
1320 Brookwood Dr. Suite H  
Little Rock AR 72202  
(800) 413-4445  
(501) 280-0220  
[mwilliams@vdcnet](mailto:mwilliams@vdcnet)

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PRINTING OF PROGRAM

**AMVAC**



DOOR PRIZES

To Be Announced

## NOTES

## NOTES

## Past Presidents

1948	Don M. Rees	1985	James Nielsen
1949	Don M. Rees	1986	Lewis Marrott
1950	Don M. Rees	1987	Kenneth Minson
1951	Don M. Rees	1988	Sammie Dickson
1952	O. W. Young	1989	Kay Weight
1953	Theodore Schoenfeld	1990	Lewis Nielsen
1954	O.C. Finley	1991	Doug Brown
1955	Howard Widdison	1992	John Jausi
1956	Delore Nichols	1993	Keith Wagstaff
1957	Jay E. Graham	1994	Evan Lusty
1958	Lewis Nielsen	1995	Bruce Bennett
1959	Lewis Fronk	1996	Steven Romney
1960	Karl Josephson	1997	Gary Hatch
1961	Morris Swapp	1998	Dennis Kiyoguchi
1962	Glen C. Collett	1999	Gordon Wheeler
1963	George F. Knowlton	2000	Randy Sessions
1964	Henry Beckstead	2001	Robert Brand
1965	D. Elden Beck	2002	Brian Hougaard
1966	Lewis Fronk	2003	Val Bowlden
1967	Larry Nielsen	2004	Eldon Rowley
1968	Kendall Sedgewick	2005	Kirk Robbins
1969	Karl Josephson	2006	Ryan Arkoudas
1970	William Wright	2007	Mike Oldham
1971	Reed Roberts	2008	Sammie Dickson
1972	Lee Kay	2009	Robert Mower
1973	Wilford Egbert	2010	John Johnson
1974	Carl D. Clark	2011	Ryan Lusty
1975	Don M. Rees	2012	Tyson Packer
1976	Earl Jenne	2013	Mario Boisvert
1977	Larry Nielsen	2014	Eldon Rowley
1978	Evan Lusty	2015	Bryan Stephens
1979	Keith Wagstaff	2016	William Cox
1980	Wanless Southwick	2017	Richard Rigby
1981	Dennis Hunter	2018	Scott Bradshaw
1982	Elmer Kingsford		
1983	Robert Brand		
1984	Steven Romney		



