

2009 MAAE SUMMER CONFERENCE

MONDAY, JULY 6

10:00 SAE Committee Meeting

10:00-12:00 MAAE Officer Meeting

10:00-5:00 **ALL DAY WORKSHOP**

Principles, Skills and Tools From the Quality Movement For Instructors – Dr. Bob Milligan, Professor Emeritus, Cornell University

Although the quality movement – Deming, Juran, TQM – began in manufacturing, it has now spread to all sectors of our economy including education. The focus on NO DEFECT products has shifted to NO DEFECT processes. A NO DEFECT process is one where the actions and tasks in the activity – process – are carried out every time exactly as specified. In this session we will explore the myriad of opportunities to utilize quality movement principles, skills, and tools to improve instruction and student learning. The workshop will define quality, identify the three requirements for a NO DEFECT process, focus on consistency, use the 5 WHY tool, and focus on the importance of excellent communication skills.

1:00-5:00 FINPACK Update and Data Report Interpretation – Dale Nordquist, CFFM, University of MN
How did your close out session move along this past year with the new version of FINPACK? Dale will answer our questions and give us some useful tips for next year. He will review many of the data reports generated and give us an interpretation of each.

Can You Be A Farm Business Management Instructor? – Mike Mastey, FBM Instructor, Ridgewater College

Many high school agriculture teachers have made the switch to adult instruction as a farm business management instructors. Current FBM instructors that have made the switch from high school instructor will review the joys and challenges of working with adults and working for the MnSCU system. Perhaps you could find real success working with real farmers with real situations as a farm business management instructor.

FFA Applications 101 – MAAE SAE Committee

This workshop will focus specifically on the Minnesota FFA Degree and Proficiency applications. It is targeted for instructors who have not completed an applications or who have limited experience in completing the applications. Instructors will learn the correct process and procedures for correctly completing these applications.

National Quality Program Standards – MAAE NQPS Leadership Team

National Quality Program Standards provide an opportunity for Agricultural Educators to evaluate their programs with an objective eye. This workshop will give the first round of educators a chance to learn about the National Quality Program Standards, the assessment and the best practices for program improvement. Participants in this workshop will also have a follow-up workshop at Ag-Tech in January of 2010.

Animal Science Lesson Share – Christa Williamson, Ag-Ed Instructor

Looking for new and exciting activities and labs for your animal science class? Do you do something “really cool”? Participants in this workshop should bring 1-3 ideas to share with the rest of the group. Lessons to share do not need to be complete lessons, they can be a lab, introduction activity or just something they do in class. Why reinvent the wheel? Come share in the fun of Animal Science! .

- 12:30-3:00 MAAE Pre-Conference Board Meeting
- 3:00-5:30 Regional Deans Meeting
- 3:30 CDE Committee Meeting
- 4:00-5:30 2009-2010 MAAE Officer Meeting
- 5:00 Fishing In The Minnesota River
 Just a few miles from our conference location is a great place to fish in the Minnesota River. The river is a unique fishing experience and you never know what you will catch. Over a dozen species of fish thrive in the murky water including northern, flathead catfish, channel catfish, sheep head, red horse, and small mouth bass. No boat is required to have great luck in the river. All that is needed is a fishing rod with heavy to medium action, any tackle that you are willing to lose, a lawn chair and a beverage or two. An experience river fisherman will escort you to the fishing location. Meet at the conference registration area at 5:00 and we will car pool to the river.
- 6:00 Past President's Dinner – Reception @ 6:00, Dinner @ 6:30
- 8:30 Region 5 Conference Planning Meeting
- Evening Family activities on your own

TUESDAY, JULY 7

AM

- 7:30-9:30 Conference Registration
 - refreshments provided
- 7:30-9:30 Exchange of Ideas Registration
- 7:30-4:00 Exhibits Open
- 8:00-9:00 TIP Brunch
- 8:00-9:00 PEP Brunch
- 9:30-10:30 General Session – Speaker & Door Prizes
- 10:30-11:15 Regional Meetings
- 11:30-12:30 Luncheon – Voting for 2009-2010 Officers

PM

- 1:30 Minnesota FFA Alumni Board Meeting
- 1:30-5:00 Sectional Meetings (High School, Post Secondary, and Farm Business Management)
- 2:45-3:45 Break – visit exhibits
- 3:45-5:00 Sectional Meetings Continued
- 5:00-8:00 Picnic & Volleyball Tournament
- 8:00 Retirement Party / Roast for Retiring Teachers – This activity is open to **ALL** conference attendees.
- 8:00 Young Professionals Reception

WEDNESDAY, JULY 8

7:30-9:15 Agricultural Trade Association Breakfast – Buffet breakfast served from 7:15-7:45
Exchange of Ideas Awards MAAE Director Recognition

9:30-10:15 Regional Meetings

10:30-11:45 MAAE Annual Meeting

11:45-1:00 Light Luncheon

PM

1:15 Tours

Goblirsch Dairy

The days of squatting by a cow during milking have been over for some time with the advent of milking parlor. Now, the farmer does not even need to be present. See the latest innovation in dairy, complete robotic milking. Nels and Matt Goblirsch give an informative tour of their robotic milking system in which even the milkers are attached to the cow automatically. Nels and Matt discuss cow comfort, her health monitoring and the latest in feeding.

Brau Brewery

From the humble beginnings of a micro brewery inside the Brau Haus restaurant, to a complete brewery and hop farm, the Brau Brothers, Dusty, Trevor and Brady have marketed a small value added enterprise into a commercial brewery. The brothers are in the second year of growing hops for their own use in the brewery and have over 15 different varieties.

Monsanto Seed Plant

A step by step tour in the processing of corn and soybean seed at the new state of the art facility near Redwood Falls. See how seed is sized, cleaned, and bagged for farm use. High tech, computerized cleaners sort soybean seed by color using jets of air to remove all seed that does not meet color standards. Millions of dollars worth of plant and equipment ensure only the best seed is sold. If time allows, the nearby test plots are where the next generation of Monsanto products are researched.

Alpaca Farm

The Rich-Nes Alpaca farm near Morgan has been raising Alpacas for many years. These unique animals thrive in the Minnesota climate and Agnes & Richard market breeding stock as well as the mohair. This would be a great addition to alternative animal or large animal science curriculum.

Bio-Diesel From Waste Oil and Tallow

Central Bi-Products operates their fleet of vehicles for animal carcass pickup from bio-diesel that they manufacture on site. See how the oil and animal tallow are converted into fuel. There is a lot of chemistry involved that can be easily adapted to the high school classroom on a small scale. There are opportunities for small on the farm production that can be used to power agricultural equipment.

High Water Ethanol

This 50 million gallon dry mill corn plant is slated to come on line in the summer of 2009. The focus is to add value to locally grown grains by providing a local outlet to process the corn grown in the area, and at the same time, increase the total demand for corn in the Southwestern Minnesota region. To meet this mission, Highwater will provide a processing facility that will allow members to invest in a growing industry. The facility will produce and market 200 proof denatured ethanol, distillers, dry grains with soluble(DDGS) and distillers wet cake.

Equine Connections

If you're a horse enthusiast or maybe you would like to learn a little more about riding styles, Equine Connections would be a great tour for you. North of Olivia, Equine Connections utilizes horses for personal growth. The owner, Rae-Ann Bartz, offers lessons, boarding, and team building for families, group and businesses while utilizing horses. During this tour you will see the facilities and watch a few riding demonstrations. There will also be an experiential session on teambuilding involving a small group of participants.

Alliance Pipeline

A large natural gas pipeline moves gas from Canada to Chicago. On this 1000-mile trip, the gas is moved along by compressor stations. One of the two stations in Minnesota is located near Bird Island. In this tour we will view this large compressor station and see that it is powered by a real jet engine. We will see an overview of the company and their safety procedures. This is a very interesting tour provided by a very strong supporter of Ag-Ed and the FFA in Minnesota.

Holmberg Apple Orchard

Located near Vesta, the Holmberg's have developed a large apple orchard and market their apples and other products through a mixture of farmers market and Ag entertainment. We will view the many types of growing apples as well as hear about how the orchard has expanded into other products such as pies and apple crisps. During the apple season the orchard offers a petting zoo and kids play area as well as family snack bar. Come see how this special business expanded and grew over years.

Christensen Family Farms

One of the real supporters of FFA and Agriculture Education in Minnesota, Christensen Family Farms is offering a tour of their large feed mill and company headquarters in Sleepy Eye. Christensen Family Farms is one of the largest hog producing companies in the country. At the company offices we will review the development of the company and hear about the future direction of the swine industry in this county.

Fieldstone Vineyard and Winery

Just a few minutes from Jackpot Junction, Fieldstone has been growing grapes and producing high quality wine for the last nine years. They have over four acres of vineyard on site as well as a winery and retail store. We will tour the vineyards and see some of the cold hardy grapes developed at the University of Minnesota that is changing the grape business in the northern US. We will also tour the winery and see how wine is made and wine tasting will be available for \$3 at the end of the tour. The retail store will also be open.

- 2:00-4:00 Team Ag-Ed Meeting
6:30 MAAE Annual Banquet
9:00 Reception for Award Recipients

THURSDAY, JULY 9

AM
8:00-11:30 Workshops
Economic Systems for Agriculture Teachers – **ALL DAY THURSDAY AND FRIDAY – TWO FULL DAYS**

This class is sponsored by the Minnesota Council on Economic Education (MCEE) and will accommodate 20 Minnesota Agricultural teachers. It will provide skills and information to enhance your teaching of economics in agriculture to include both macro-economics and micro-economics concepts. This "Economic Systems" class will prepare you to meet the state academic standards in economics. The class includes a review of basic economic concepts

and the use of materials to augment interactive learning as well as an examination of assessment methods. It will meet during the MAAE Summer Conference on July 9-10 and two days during the MAAE Ag-Tech Conference in January of 2010. There may be 1-2 additional Saturdays during the school year. This series of classes will provide free curricula materials, increased understanding of economics, and copies of numerous learning activities. The program is made possible by a collaboration of the MCEE, MAELC, Food Industry Council, and the Minnesota Officer of High Education.

Shop 101 – ALL DAY WORKSHOP AT Buffalo Lake-Hector High School

This workshop is intended for new instructors or advisors with relatively little experience in the shop courses typically taught in high school agricultural education departments. The morning sessions will include an overview and materials for use in the following classes: Woods, Welding, Small Gas Engines, Auto Mechanics, Electricity, Plumbing and Home Repairs. The afternoon sessions will allow instructors to pick and choose from several hands-on stations to gain experience and get practice in some or all of the areas listed above using the materials and experience at Buffalo Lake-Hector High School. Instructors will walk away with a CD-Rom with all presentation materials needed to get a beginning teacher started in any of the classes listed.

“Rethink?, Resize?, Refinance? – Tips For Working Your Way Through An Economic Downturn AND Minnesota Family Farm Law Project - Ruth Ann Karty, Minnesota Farm Advocate

Ruth Ann Karty is a Minnesota Farm Advocate, contracted to the Minnesota Department of Agriculture. Ruth Ann joined the Farm Advocate program in the midst of the farm crisis of the 80's. She has served through more than two decades of roller coaster farm economy. Today's question is – NOW WHAT? Reports on the farm economy tell the world that U.S. farmers are thriving. Those of us on the “front lines” aren't so sure. Clearly, 2008 was the most volatile year in farm history. Exponentially rising input costs and grain market explosions make it nearly impossible to predict the future of the farming operation. For many farmers, 2008 was not a good year. 2009 has been a planning nightmare. Learn strategies to reinvent the operation. The second half of this workshop will focus on the Minnesota Family Farm Law Project and mediation. A bankruptcy attorney will discuss the process of bankruptcy. Additional topics will include renegotiating leases, getting out of leases and getting out of secured vs. unsecured debt. With the current farm economy, this workshop will provide information on available options.

Latest In Seed Industry – Cory Buysse and Kyle Freeman, Monsanto

Monsanto has been an industry leader in bringing new products and technology to the market place. To achieve this Monsanto invests over \$800 million in research annually. With the introduction of new genetics and traits each year, it can be very challenging to stay current with the newest technologies that are available to producers to increase productivity on their farms. This session will cover the background of Monsanto's beginnings and how we have become an industry leader in Traits and Seeds Research. Topics will include current products and traits available today, value and prices of products in the marketplace, agronomic issues associated with today's growers, and what does the Pipeline of Research have in store for the future of the seed industry.

Moodle / Gagle – Jennifer Oerter, English Instructor, KMS High School

Looking for ways to reach your students who are interested in only the surfing net? Learn how to create interactive discussion boards and utilize Moodle for classroom instruction. Take your teaching to the next level – the Internet level. This workshop will provide you with basic instruction on Moodle / Gagle as well as ideas on how to best fit into your curriculum.

Forcing Bulb & Poinsettias In The School Greenhouse – Don Josco

Learn the art of forcing bulbs and poinsettias in the school greenhouse. Emphasis will be placed on teaching methods and sharpening your own skills in producing these exciting crops. A CD will be available for purchase or P.O. or \$30. (not necessary to attend workshop to purchase CD).

Ag Sales CDE – Kim Lippert, Ridgewater College

Have you been looking for new ways to provide your students with life-long skills? Have you always wanted to encourage your students to participate in the Ag Sales CDE, but were overwhelmed by the size of this contest? If you answered “Yes” to these questions, this workshop is for you! This will be a practical workshop, walking you through the various parts of this contest.

Canoeing On The Minnesota River – Prairie Woods Environmental Learning Center

See the Minnesota River in a new way. See Bald Eagles, turkey vultures, and other wildlife as you paddle a 16 passenger canoe down the Minnesota River. A guide from the Prairie Woods Environmental Learning Center will lead the group on this great experience. The Minnesota River is a beautiful environment and one the area’s most underused resources. The trip will be about two hours in length.

Integrating SAE Into Your Curriculum – Paul Lanoue, Christa Williamson, Dan Dylla, Eric Sawatzke, Ag-Ed Instructors

Various Ag-Ed instructors from throughout the state will talk about their trials and successes in integrating supervised agricultural experiences into the classroom. The instructors will share their assignment and assessment tools. Participants are asked to bring examples, if they have or how they have integrated SAE into their classroom.

P.M.

1:00-4:30

Workshops

Canoeing On The Minnesota River – **REPEAT**

Latest In Seed Industry - **REPEAT**

Crop Insurance Coverage – United Farm Credit Services

Where would many producers have been last year without crop insurance? This year brought more changes to the equation challenging more of us to be able to give our producers proper guidance. This workshop will examine the changes along with the different coverage levels and types of crop insurance available.

Internet Show And Tell – Zach Rada, FBM Instructor, Ridgewater College

The Internet is one of the most useful tools in the world, but it is so big we can’t know it all. This session is open to all MAAE members and we invite participants to bring their favorite web sites used for work, education and fun to share with the group. Each site will be demonstrated and a master list will be e-mailed to all that attend.

USDA Co-op Curriculum – Amy Fredregill, Cooperative Network Vice President and Ed Terry, Randolph Ag-Ed Instructor

Amy and Ed will describe creative ways to use the newly produced seven unit CD Rom from the USDA. Ed will outline his October Co-op Month activities that can supplement the newly produced USDA curriculum. Every year he has students create a fruit co-op to demonstrate how a real co-op business function. Other Ag-Ed instructors serving on an advisory committee for the Cooperative Network will speak on the panel to discuss activities they include in the classroom on co-ops. Fredregill will explain different ways to get in touch with the leaders of your local co-ops. Participants will receive a free copy of the new CD Rom.

Nursery Landscape CDE – Jim Weninger, Ag-Ed Instructor, HLWW High School
Winnie will take you through the basics of nursery identification with the help of a local nursery. Participants in this workshop will also receive a list of resources for preparing for the contest. Winnie will also walk participants through practicum's providing helpful hints for instruction.

Grafting and Budding - Don Josco

Learn the art of budding and grafting trees. This is a very hands-on workshop. Bring a sharp floral knife or jackknife. The workshop will focus on plant structure basics, grafting & budding techniques, and timing. Be prepared to make samples and lessons that will fire-up students and teachers alike. A training CD will be available for purchase or P.O for \$30. (not necessary to attend workshop to purchase CD).

Integrating Technology In Agricultural Education – Leah Schwachtgen, Ag-Ed Instructor, Montevideo High School

The integrating technology workshop will be a hands-on course created to give teachers new ideas and applications to bring back to their classrooms. The first portion of the class will deal with Notebook software and using the SMARTBoard effectively. You do not need a SMARTBoard in your classroom to attend this course. We will also take a closer look at a variety of Web 2.0 tools that can enhance your curriculum. There will be time for hands-on work and sharing of ideas. Please bring a laptop and USB flash drive, if you have one.

Activities For An Engaging Classroom – Natasha Mortenson and Ellen Thompson, Ag-Ed Instructors

If you are feeling like your curriculum isn't charging your students to get learning, we have the tools to help YOU make YOUR Classroom Engaging, Fun and Exciting. This workshop will identify and demonstrate numerous engaging strategies that can be used in any subject matter. Participants will leave with a handbook full of over 40 useful tips for implementing the activities in the classroom.

Ag Communications, Marketing Plan and Agricultural Issues CDE's – Christa Williamson, Bruce Mathiowetz, Seena Glessing, and Lavyne Rada, Ag-Ed Instructors

Ag Communications, Marketing Plan, Agricultural Issues??? What are these CDE's? How do I get started? What resources do I need? These questions and more will be discussed. Instructors with State and National experiences in these areas will introduce you to the opportunities available for your students in these fun and exciting CDE areas

4:30 Post Conference Board Meeting

FRIDAY, JULY 10

AM

8:00-11:30 Farm Transition and Estate Planning – Gary Hachfield and Dale Nordquist, University of MN
Concepts and techniques in farm transition and estate planning will be discussed. Outlining strategies and procedures to consider in the transfer and estate plan will be done giving one a road map to use in helping farm families.

Growing Grapes In Minnesota – Current Vineyard Growers

Minnesota is the hub of the new cold hardy grapes that are changing grape production in the northern US. Many of the cold hardy grapes have been developed at the University of Minnesota. This session will explain where to get plant stock, equipment needed and economic reasons driving the industry. Both high school and FBM instructors can benefit from this class.

2010 Agricultural Mechanics CDE – Neil Pearson, Ag-Ed Instructor, Willmar High School
This workshop will focus on the 2010 Agricultural Mechanics CDE topics. The topics will include: large tractor power, skid steer loaders, footings & foundations for a wood or metal building, electric controls and sensors, tool maintenance & plumbing, and land measurement & leveling. Skills performance, problem solving, and reference materials will be reviewed.

Communities of Practice and Other Great Web Resources for the Busy Ag Teacher – Ellen Thompson, Ag-Ed Instructor

This workshop will explore the World Wide Web Ag Teacher Style. The NAAE Ag Teacher Resource and Collaboration website Communities of Practice will be the showcase. You'll learn how to find answers, pose questions, login and create documents. This online tool is a great way to connect with Ag Teachers from across the US and receive quick, easy information. Other websites will also be shared and we will discuss how you could utilize these in your classroom. Please bring a wireless compatible laptop if you have one, if you don't you will be ok without one.

National Quality Program Standards – MAAE NQPS Leadership Team

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