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Winter 2016

2017 CONFERENCE AGENDA SHAPING UP

This conference is shaping up to be a vital and informative conference - not only with the speakers and topics we have lined up, but we are also organizing a preconference workshop on licensing and permitting that will be of value for both new and existing farmers.

We are honored to have as our Keynote Speaker Paul Zajicek. Paul, who took over as Executive Director of the National Aquaculture Association a year ago, will be sharing with us what NAA has been doing this past year to help promote aquaculture. This year we have 4 main talks covering coldwater (Atlantic Salmon), aquaponics (Walleye & Tilapia comparisons), coolwater (topic TBD) and baitfish (topic TBD) as well as other sessions including RAS, farm valuation, aeration and workforce training.

The Thursday workshop, "Permitting and Licensing: What You Need to Know for Startup and Existing Farms" will be presented by DATCP and DNR staff who will cover the current permits, licenses

and regulations you need to know to keep your farm in compliance. This will be especially important in regards to the Aquaculture Bill which will be brought up for a vote this next legislative session.

This year the format/agenda will differ slightly from our past conferences in that the auction will be held on Friday evening and there will be no lunch on Saturday - allowing attendees to get on the road at a more convenient time.

A current agenda and registration form is found on pages 10 & 11. You can also register online at <https://secure.wisconsinaquaculture.com>, under **Online Registration**.

Please note that the registration for the workshop is \$50 per person, but if you are attending the conference the workshop is included as part of the conference.

Aquaculture Bill Update

Many of you have received your dues notices and my letter I urging your help in getting the Aquaculture Bill passed, so I won't include the letter in it's entirety again, but just a few main points:

I want to make it clear that all of you have a stake in this bill. We all have talked many times about the difficulties we have run into while operating our farms and have voiced the opinion "If only ... were changed, it would help me so much." Well, the time is here for all farmers in Wisconsin to get on the band wagon - we have retained Axley Law Firm since September of last year and we need your financial support to get through these last few months. Several members have generously given money - Augustyn Springs, Big Brown Fish hatchery, Crystal Lake Fisheries, Gollon Bait and Fish Farm, Gollon Bros Wholesale Bait, Portfish LTD, RJ Hilger & Sons, Silver Moon Springs, Skretting, Rushing Waters, Wild Foods, and Wilderness Springs, but this hasn't completely covered our costs. Even if you can only afford to donate \$10, \$20, \$50 or \$100, it will help.

We are working on acceptable language in the Aquaculture Bill on the following points:

- Recognition of aquaculture as a form of agriculture.
- Codification of "normal aquacultural activities," which include:
 - Construction, maintenance, and repair of ponds, raceways, and similar structures

- ✦ Maintenance and repair activities include the inside and outside of berms, levees, and banks
- ✦ Maintaining, repairing, or replacing drains, pipes, flowage controls
- ✦ Filling or drawing down of ponds, raceways, and similar structures
- ✦ Maintaining and improving drainage areas including swales into or out of ponds
- ✦ Provide an exemption within Chapter 30 for normal aquacultural activities at existing farms, which means a farm licensed/registered with DATCP as of a date to be determined, or a new/abandoned farm that has been brought into compliance with applicable DNR regulations.
- ✦ Limit the practicable alternatives analysis for wetland impacts to existing operations and their proposed area of expansion.
- ✦ Provide exemptions to wetland permits for normal aquacultural activities at existing farms similar to those available for agricultural activities.
- ✦ Acknowledgment that wetlands are a byproduct of fish farming/ponds. These created wetland areas should not be considered natural wetlands that require mitigation.
- ✦ Ensure that the DNR variance procedure for water quality standards is consistent with the EPA guidelines.
- ✦ Ensure that water quality standards adopted by the DNR are consistent with, and no more stringent than, *continued on page 3*



The CREEL

Winter 2016 Volume 49* * * Number 4

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www.wisconsinaquaculture.com

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The Wisconsin Aquaculture Association is a 501(C)(5) organization

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The CREEL is published quarterly, March, June, September and December; WAA welcomes input and involvement from all interested parties.

Unless otherwise indicated, all articles are authored by *The CREEL* editor and/or WAA editorial committee. Editorial comments pertinent to other submissions are italicized and noted in parenthesis (ed.)

All opinions expressed in *The CREEL* are those of the contributor/author and not necessarily those of the Wisconsin Aquaculture Association, its officers or directors.

Aquaculture Bill Update, cont. from pg. 1

federal standards.

✦ Clarify the WPDES permit procedure for aquaculture facilities, such that the DNR must conduct its reasonable potential analysis in light of the BMPs required by 40 CFR Part 451, and only after conducting that analysis if there is a potential for impairing the receiving waters, should the DNR impose WQBELs as part of WPDES permit.

✦ Clarify that WPDES permits for aquaculture facilities are only required when they meet the production thresholds under the federal regulations. Any permit issued to a farm below those thresholds should be limited to situations necessary to protect impaired waters.

✦ Prevent the double-counting of groundwater withdrawals under the Great Lakes Compact.

✦ Allow existing or previously licensed/permitted farms to maintain their ponds without obtaining a permit under Wis. Stat. § 29.733. Also clarify that § 29.733 does not apply to artificial ponds, regardless of the water source.

Exempt existing dams in existing fish farms from the minimum flow requirements of in Chapter 31.

As you can see, this bill will have a positive economic impact on almost every registered fish farm in the state and therefore on the industry as a whole. We can not move into the future without your help and support!

Dave Gollon,
Gollon Bait and Fish Farm

CREEL ADVERTISING

The CREEL reaches many potential customers four times per year. If your business involves the growing or selling of any aquaculture product or any necessary equipment, feed or services, advertising will be a great benefit to you.

The CREEL goes to press the 1st of February, May, August, and November. Please submit photo-ready ad copy and payment to the Secretary/Editor 1 week prior to this for inclusion in the upcoming issue. Rates per issue are as follows:

1/8 page: \$30; 1/4 page: \$40; 1/2 page: \$60; Full page: \$100

WEBSITE ADVERTISING OPTIONS AND RATES

WAA has 2 hot link categories to choose from:

Industry Links, with subcategories of **Aquaculture Product, Live Fish and Misc.**

Consumer Links with subcategories of **Fee Fishing and Fresh/Smoked Fish, etc.**

Cost is \$20 a year for members, \$30 for non members.

Don't Have a Web Site? WAA has a special price of \$100 for a 1 page web site—includes 1-2 pictures, text description of your farm and contact info, your own stand alone domain name and your logo can be added. After the first year, maintenance with changes is \$55/year.

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From the Editor

I hope you will be able to make the 2017 conference. We have over 15 sessions scheduled, with 4 being more in depth. As we get confirmation on specific talk, updates will be posted online. WAA is having a preconference workshop - we haven't had a workshop in a few years and this one, covering licenses and permits, will be of value to all farmers. Marshfield is an easy, central location for farmers and the Hotel Marshfield is a good venue for our conference with a great staff.

2017 should be an interesting year for aquaculture in Wisconsin and the board is looking for nominations for our open board positions to help move our industry forward. So if you are interested or know of anyone who would be, please contact any board member or me (contact info on page 2). Voting will take place on Thursday, March 2.

We have about 250 Fish of Wisconsin posters remaining. This poster is the work of well know wildlife artist Virgil Beck. Due to postage and mailing tube costs increases, the price of the posters has been increased to \$12 each, including postage. However, at the conference we will offer the "cash and carry" price of \$5. When the supple is gone, they will not be reprinted

This will be my next to last CREEL as I am retiring from WAA this coming Spring. Since moving back to Pennsylvania, I have had other responsibilities come up that I need to make a priority. The board will be looking for someone to take over secretarial duties and the planning of the annual conference. If you or anyone you know may be interested, or have any questions, contact me or a board member, contact information is on page 2.

See you in March!

Cindy

WAA OFFICERS & BOARD

**HOPE YOU HAD
A JOYOUS CHRISTMAS
WITH FAMILY & FRIENDS**

**AND WISHES ALL
A HEALTHY &
PROSPEROUS
NEW YEAR!**



UWSP-NADF Update

UW-Stevens Point Helps to Advance Sustainable Atlantic Salmon and Walleye Production for Wisconsin...

By Emma Wiermaa

Cascades Successfully Spawn in Year 2 Project is leading the sustainable production and availability of Atlantics as a food fish species...

The Cascade strain Atlantic salmon broodstock at UWSP NADF are now spawning for the second time, beginning in October. The broodstock spawned for the first time fall of 2015. They are now 4



UWSP NADF Intern Mackenzie Klemek holds up a large mature male Atlantic.

and 5 year olds and reaching over 40lbs. Although most all salmon species are terminal spawners, fortunately the Atlantics are not; they have the ability to spawn multiple times throughout their lifetime. The first progeny from 2015 as well as this year's progeny will be used to create a new Cascade strain of

broodstock working with a private industry partner out of Washington state.

Due to this public-private partnership, the eggs from this new broodstock will be available to Wisconsin farmers to raise Atlantics sustainably in water reuse systems for food fish production.

Fish-meal Free Diet for Walleyes

New research suggests a fish meal free diet for walleyes showing no difference in growth, performance or survival as well as better water quality in RAS compared to traditional feeds...

Continued on page 5



Air spawning a female Atlantic salmon (Left to Right: Emma Wiermaa, Kendall Holmes, Patty Munsell).



Saugeyes raised in a recirculating aquaculture systems

UWSP NADF was involved in rearing walleyes for the study: Wall-eye performance, water quality, and waste production in replicated recirculation aquaculture systems when feeding a low phosphorus diet without fishmeal versus a traditional fishmeal-based diet. This work was recently published in *Aquaculture Engineering*. Project partners included UWSP NADF, The Conservation Fund's Freshwater Institute, Iowa State, USDA Agricultural Research Service, and North Country Clear Waters, LLC. Not only did the study result in similar growth performance, survival, and feed conversions in walleye raised on fish meal free diets compared to fishmeal

diet, but also better water quality. Fish meal free diet resulted in half the phosphorus in the culture tanks and lower total waste loads compared to the fish meal diet.

Read the article at aquaculture.uwsp.edu...

Upcoming Events to Attend:

- **AQUACULTURE AMERICA 2017** on February 19-22nd in San Antonio, TX having the largest aquaculture trade show in the Western Hemisphere and the only major national aquaculture conference and exposition held in the U.S.
- **Introduction to Aquaponics** is a full semester **online** course offered by UW-Stevens Point and business partner, Nelson and Pade Inc.® on February 27, 2017 to students at UWSP as well as students from other colleges and universities through UWSP Continuing Education.. Available as either a two credit, or three credit course with lab. **Find where to register and more events at aquaculture.uwsp.edu**

...



6 month old saugeye raised in RAS at UWSP NADF

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Dr. Myron Kebus featured in

Fish Tales

November 18, 2016

The term "fish tale" often refers to an improbable story or a great big lie. But this is the true story of how a school without a formal fish health program has spawned many careers in the field while helping to safeguard the aquaculture industry in Wisconsin and beyond.

Dr. Myron Kebus started a business called Wisconsin Aquatic Veterinary Service which led him to a position with the Wisconsin Department of Agriculture, Trade, and Consumer Protection when, in 1999, the agency began overseeing fish health throughout the state and hired Kebus to establish health standards and a certification process.

"The idea was to train private practitioners — other veterinarians — to do the work I was already doing," says Kebus, who remains the state's chief fish veterinarian. Today, Kebus says, Wisconsin is one of only a few states that have "deputized" veterinarians for this purpose.

Kebus began instructing veterinarians throughout the state on the basics of aquaculture and water quality; the types of farm-raised species and what they eat; the risks associated with fish farming; and the "nitty gritty" of sampling fish for disease, interpreting results, and filling out and submitting forms. Under his tutelage, veterinarians became certified in fish health assessment techniques — how to implement measures to prevent the spread of disease and how to certify that fish have a clean bill of health and are safe for export.

Given the extent of interest in the certificate, Kebus wondered if there were more efficient ways to deliver the course. He found his answer when a colleague showed him an online training module designed to certify veterinarians to inspect cattle and other ruminants for Johne's disease, a chronic and sometimes deadly bacterial infection. *continued*

Fish Tales, continued

The module creator? Mike Collins.

United once again by mutual interest, Collins and Kebus, along with a handful of other fish experts, developed an online continuing education [course on fish health](#) that veterinarians can take to become certified to inspect and approve fish farms. "The certificate is recognized nationwide as proof that the course taker knows about fish health," says Kebus.

Rest of story <https://www.vetmed.wisc.edu/fish-tales/>

Training & Educational Resources for Farmers

New NAA, USAS and NCRAC Aquaculture Webinars Available 24/7

The U.S. Aquaculture Society (USAS), North Central Regional Aquaculture Center (NCRAC) and National Aquaculture Association (NAA) have produced 13 webinars which are now posted on their websites. To access these webinars, visit <http://thenaa.net> via your desktop computer or mobile device and select "Webinars" from the menu.

The USAS, NCRAC and NAA webinar series topics include: Aquaponics; Fish of the Order Siluriformes: Mandatory Inspection, and Labeling Requirements; Biosecurity: What You Need to Know, and Designing Your Plan; US Farm Raised Finfish and Shellfish 101; Regulatory Costs of US Aquaculture Business; Seafood in the Diet: Benefits and *continued on page 7*



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Resources for Farmers, continued from page 6

Risks; Social Media: Recreational Fish Pond Management; AIS HACCP Approach for Aquaculture and Baitfish Operations; Use of Veterinary Feed Directive Drugs in Aquaculture: Fish Health; and Social Media: An Introduction for Successful Use.

The NAA webinar page also includes presentations from prior years and the topic list includes:

Is Aquaculture Sustainable?; Aquaculture Certificate Programs; Introduction to Aquaculture; Growing Your Aquaculture Business; Cash Flow-based Planning; and Transitioning Your Aquaculture Farm Business to a New Generation.

Explore the NAA website for downloadable publications, Frequently Asked Questions (FAQs), Kids Corner, recipes, video interviews describing aquaculture sustainability and the value and benefits of seafood to human health, and a wealth of additional information. If there is something that is missing, please contact the NAA office at 850-216-2400 or naa@thenaa.net.

From NAA

FDA Posts Aquacultured Seafood Webpage

The Food and Drug Administration, Center for Food Safety and Applied Nutrition, has developed a webpage focusing on aquacultured seafood. The webpage provides content about aquacultured seafood, including consumer information, guidance for industry, and education and outreach. The webpage covers topics specifically related to the safety of aquacultured seafood, and sections of the webpage include: Facts about Aquacultured Seafood, Foreign Country Assessments, Good Aquaculture Practices, Frequently Asked Questions, and Additional Resources.

To visit FDA's Aquacultured Seafood Webpage, please click on http://www.fda.gov/Food/PopularTopics/ucm518782.htm?source=govdelivery&utm_medium=email&utm_source=govdelivery.

Learn more about seafood from FDA, please visit: http://www.fda.gov/Food/PopularTopics/ucm341987.htm?source=govdelivery&utm_medium=email&utm_source=govdelivery.

U.S. EPA Brownfields: Promoting Aquaponics in Redevelopment Projects

The U.S. EPA Brownfields – Promoting Aquaponics in Redevelopment Projects Webinar is now available online. Additionally, the U.S. EPA Aquaponics Business Plan User Guide and Worksheets are available to download.

[U.S. EPA Aquaponics Business Plan User Guide and Worksheets](#)

Fish Health Updates

FDA Searchable Database for Animal Drugs FDA Center for Veterinary Medicine

Animal Drugs @ FDA Searchable Database has been Redesigned by the Center for Veterinary Medicine - The database allows "... veterinarians, pet owners, animal producers and others to get information about approved animal drugs by application number, sponsor name, proprietary name, ingredient, application status, dosage form, route, indication and species ... When completed, *continued*

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Fish Health, continued

the new site will also provide a "one-stop shop" for additional information related to approved animal drugs, including: Freedom of Information Summaries; Environmental Assessments; Findings of No Significant Impact; Blue Bird Labels; Green Book reports ... Starting in November 2016, new animal drug approval information will be loaded directly to the new Animal Drugs @ FDA site. FDA plans to complete Phase II of the project by migrating information for older animal drug approvals to the new site over the next several months ..." October 25, 2016 FDA CVM Update, titled "Search Approved Animal Drugs on the Redesigned Animal Drugs @ FDA", posted at: <http://www.fda.gov/AnimalVeterinary/NewsEvents/CVMUpdates/ucm526350.htm>
The Animal Drugs @ FDA website: <http://animaldrugsatfda.fda.gov/>
Questions about the redesigned Animal Drugs @ FDA may be directed to CVM by e-mail at: CVMGreenBookandAnimalDrug@FDA.HHS.gov

FDA Revises CPG on Extralabel Use of Medicated Feeds for Minor Species

In order to allow for the continued protection of health for minor species, the U.S. Food and Drug Administration today released a revised Compliance Policy Guide (CPG) about the extralabel use of new animal drugs approved for use in or on animal feed (medicated feeds) for these animals. Minor species are defined as animals other than cattle, horses, swine, chickens, *cont on page 8*

Fish Health, continued from page 7

turkeys, dogs, and cats.

Extralabel use means actual use or intended use of a drug in an animal in a manner that is not in accordance with the approved labeling. More information http://www.fda.gov/AnimalVeterinary/NewsEvents/CVMUpdates/ucm529164.htm?source=govdelivery&utm_medium=email&utm_source=govdelivery

NAA Contributes to USDA Aquatic Animal Health Priorities

The National Aquaculture Association (NAA) participated in a U.S. Department of Agriculture (USDA) hosted aquatic animal health webinar whose goal was to develop research priorities for the Agricultural Research Service (ARS) and National Institute of Food and Agriculture (NIFA).

Prior to the webinar the NAA submitted five priorities focused on specific pathogen and animal health questions and research focused upon: Quantifying the costs and economic losses to producers that occurs to aquaculture producers by major production diseases; completing trade pathway risk assessments focused on imported aquatic animals, live and frozen, to U.S. via farm-raised and wild-harvested species; developing surveillance strategies and means to collect, synthesize and query data across states to regionalize specific pathogens; and, creating a tool to help producers write consistent and uniformly formatted site specific health plans that may be reviewed by health professionals, state and federal authorities to satisfy a critical component of the Commercial Aquaculture Health Program Standards (CAHPS).

The next steps are that USDA will prepare a final report to appear in early 2017 for the purpose of informing program priorities, grant

announcements and internal agency research efforts over the next five years. A webinar summary and NAA's comments are available by contacting the NAA office at 850-216-2400 or naa@thenaa.net.

From OSU Extension

Veterinary Feed Directive (VFD)

What is a VFD?

A VFD is a written (nonverbal) statement issued by a licensed veterinarian that authorizes the use of an approved VFD drug or combination VFD drug in or on an animal feed. This written statement authorizes the client (owner of the animal) to obtain and use animal feed bearing or containing a VFD drug or combination VFD drug to treat the client's animals only in accordance with the conditions for use approved by the FDA (Food and Drug Administration).

When must the VFD be implemented?

Starting January 1, 2017, you can no longer buy a bag of medicated feed containing certain types of antibiotics (for aquaculture this is Romet or Terramycin) that were previously classified as over-the-counter (OTC) drugs. As of January 1, 2017, the FDA requires that clients have a VFD to be able to purchase animal feeds containing these antibiotics.

What species of animals require a VFD?

Cattle, swine, sheep, goats, poultry, honey bees and fish, as well as other food-producing species, even if they are not intended for food production.

What is a veterinarian-client-patient relationship (VCPR)?

Most states have a definition of what constitutes a valid VCPR written in current law, and related regulations are designed to ensure that a veterinarian does not prescribe drugs or recommend treatment without actually seeing the animal or animals *continued on page 13*



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WILL BE POSTED ONLINE AT
WisconsinAquaculture.com under EVENTS**

PRECONFERENCE SCHEDULE

THURSDAY, March 2

10-noon - WAIAC Meeting

1 - 4p - Workshop: "Permitting & Licensing: What You Need to Know for Startup and Existing Farms"

6 - 8p - WAA Annual Member Meeting & elections, followed by WAA Board Meeting to appoint officers

CONFERENCE SCHEDULE

Wisconsin Aquaculture: Moving Ahead to the Future

FRIDAY, March 3

7:30a - 4p Registration

8-8:30 Welcome by Peter Fritsch
Dignitaries—TBA

8:30-9:30 Coldwater - "Atlantic Salmon Projects for Wisconsin's Future" - Greg Fischer

9:30-10 **TBA**

10-10:30 Trade Show opens, Break

10:30 - 11a "Workforce Training and Outreach Projects at UWSP NADF" - Emma Wiermma

11a - 11:30a Farm Insurance - Rural Mutual Insurance

11:30 - 12 "Aeration Choices" - Bob Robinson

12-1p Lunch
Keynote Speaker: Paul Zajicek, NAA
"What NAA Has Been Doing Lately"

Afternoon

1-1:30p "USDA FSA Program Options for Aquaculture Producers" - FSA

1:30-2:30 Aquaponics - "Comparing Walleye & Tilapia Production" - Chris Hartleb

2:30 - 3p Trade Show/Break

3-3:30p "Valuation of Fish Farms" - Steve Stiloski

3:30 - 4p Open Discussion - Industry Needs for Research and Training - Bill West

4-4:15pp SAE grant project

4:15- 4:45P Cooking Demo setup/Break

4:45p—6:30p Dani Klontz
Taste of Wisconsin Aquaculture / Reception

6:30—? Reception/Silent Auction

SATURDAY, March 4

7:00 - 9:30 a Registration

8 - 9:30a Baitfish

9:30 - 10a RAS - Pentair

10 - 10:30a Trade Show, Break

10:30-noon Coolwater

Hotel Marshfield
2700 S. Central Ave
Marshfield, WI 54449
715-387-2700
<http://hotelmarsfield.com/>

Lodging information

Mention Wisconsin Aquaculture Association for conference room rates

Check in time is 3p, checkout time is noon. A credit card is needed to guarantee your reservation, Cancellation is 2 days prior for a refund, cancellation penalty is 1 night's lodging. Please reconfirm policies when you book your room. Sales tax is currently 13.5%.

Pricing

Standard Room: \$82.00+tax Single \$82+tax.00 Double.

Cutoff Date

Room block and rates are valid from Tuesday, February 28, checking out Sunday, March 5 and will be released at on February 3, 2017. Additional reservation requests will be honored on a space and rate available basis.

Travel information:

Flights - the closest major airport is at Mosinee, 33miles east of Marshfield or Eau Claire, about 66 miles northwest of Marshfield. There is no shuttle service to Marshfield

Directions

Marshfield is on Hwy 13 (runs north/south), just north of Hwy 10 (runs east/west). Hwy 13 runs concurrent with Hwy 10 east of Marshfield

From the East or West:

Take Hwy 10 to the intersection with Central Ave (this is west of where Hwy 13 goes north), go north on Central Ave./Hwy 97 approx. 1 mile to 2700 S. Central Ave.

From the North:

Take Hwy 13 south out of Abbotsford, in Marshfield take S. Central Ave./Hwy 97 south approx. 2 miles to 2700 S. Central Ave.

From Eau Claire:

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Hotel Marshfield, located at 2700 S. Central Ave, was completely renovated in 2013. Marshfield is centrally located in Wisconsin, easy to get to being located on Hwy 13.

Make the conference a mini vacation and bring the family!

Marshfield offers several restaurants including American, Mexican, steak as well as a bakery and several coffee shops. The Wildlife Park and Zoo is open year around, the kids can go snow tubing at Powers Bluff and there is the world famous Figi's Outlet to stock up on your favorite cheeses and spreads.

**2017 WI Aquaculture Conference and
Pre-Conference Workshop
March 2, 3, & 4
REGISTRATION FORM**

Use extra sheet or form for each additional attendee/employee - you may also register online.

Name _____

Spouse _____

Business/Organization _____

Street _____

City/State/Zip _____

Phone _____

Email _____

Registration fees are per person.

Thursday March 2 , Workshop only \$50/pp x _____

Conference, Friday, March 3 - Saturday March 4

Includes: Thursday workshop, Friday lunch, Friday Taste of Wisconsin Aquaculture Cooking Demonstration & Sampling, 3 breaks & Friday evening reception

Fri/Sat, Mar 3-4, WAA member	\$115	x _____	_____
Fri/Sat, Mar 3-4, non WAA member	\$155	x _____	_____
Additional person, same organization	\$95	x _____	_____
Spouse	\$75	x _____	_____
Student (High School or College)	\$75	x _____	_____
Friday, March 3 only /incl Cooking Demo	\$85	x _____	_____
Saturday, March 4, only	\$70	x _____	_____
Saturday, incl Friday Cooking Demo	\$85	x _____	_____
Friday lunch only	\$25	x _____	_____
Friday Taste of WI Aqua buffet only	\$25	x _____	_____
Late fee, after Friday February 17	\$25/p	x _____	_____

Total \$ _____

Refunds: before Friday Feb 17: \$25/person penalty, after Friday Feb 17: no refund

PAYMENT

You can pay by check, made out to WAA, OR pay by credit card - the following information must be completed: (or go online)

Name on card _____

Billing address, include zip _____

Credit card name - circle one: MasterCard, Visa, AmEx and Discover
Credit card number/expiration date _____

3 digit security code on back of card _____

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Meet our sales management staff:



Bob Robinson - *Director of Sales & Marketing - Fisheries Biologist*

- Started at Kasco in 1999
- Over 30 years of industry experience, with expertise in water quality, aeration & aquaculture applications
- Worked for Indiana Dept. of Natural Resources, Bureau of Land Management in Colorado, State of Wisconsin, Aquatic Eco-Systems & Purina-Rangen Fish Feeds
- Holds Bachelor of Science degrees in water resource management - fisheries & biology from UW-Stevens Point



Joe Holz - *Outside & International Sales*

- Started at Kasco in 2002 as inside sales & customer service support
- Helps customers in a wide area of uses & unique applications including aeration needs in backyard ponds, intensive aquaculture, golf & irrigation applications, water treatment & processing, mining, & lake front property management
- Worked at Rushing Waters Fisheries in Palmyra, Wisconsin in fish rearing, fish health, culling, sorting & processing
- Holds Bachelor of Science degrees in environmental science & geography from Carroll University



Andy Gillis - *Outside Sales*

- Started at Kasco in 2005
- Currently the product manager for de-icers & circulators
- Previous owner of an aquatic supply business where he was the aquaculture consultant & helped customers with aeration projects in ponds, lakes & open water
- Attended University of Maryland & Johns Hopkins University



Ken Rust - *Outside Sales*

- Started at Kasco in 2009, but previously sold Kasco products for more than 20 years working in the industry
- Currently the product manager for Kasco's Robust-Aire diffused aeration system
- Helps customers design proper aeration layouts for ponds & lakes to improve & protect the health of their ponds
- Holds a Master of Science degree in Aquaculture & Fisheries from LSU



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in question. To write a VFD, this likely means the veterinarian will have had to examine your animals in the last six months, as that is the longest period of time for which a VFD can be written.

How often do I have to get a VFD?

A VFD feed or combination VFD feed must not be fed to animals after the expiration date on the VFD. You must contact your veterinarian to request a new VFD order.

- Keep a copy of the VFD order for a minimum of 2 years.
- Provide a VFD order for inspection and copying by the FDA upon request.

More information:

OSU Veterinary Extension OTC Brochure: http://www.ohiovma.org/downloads/veterinarians/Brochure_VFD.pdf

Regulatory News

Agency working to reorganize amid tighter budgets, growing workloads

Posted Dec. 1, 2016 12:00 a.m. (CDT)

by / Todd Richmond, Associated Press

Excerpts from DNR: Large farms could write their own permit applications

MADISON — (DNR's) overall reorganization plan will affect about 5 percent of the DNR's 2,549 full-time employees, according to the news release. Changes will range from position *continued*

descriptions, reporting structure and division assignments as the agency moves from seven operational units to five, including forestry; fish, wildlife and parks; environmental management; internal services; and external services.

The state budget Republican Gov. Scott Walker signed last year eliminated 19 researchers from the Bureau of Science Services. The scientists had been working on a number of politically charged issues, including climate change, pollution and mining. The bureau's remaining 19 researchers will join other programs as well as a new Office of Applied Sciences. The new bureau will focus on real estate and property planning, and staff working on water-related sediment cleanups will be combined with staff working on soil cleanups. Thiede said the move would allow managers to more closely monitor researchers' work. The reorganization plan also calls for shifting 33 ranger positions into warden positions.

The news release said the plan will be implemented in phases with final changes anticipated by early 2018. Thiede said some portions of it may require legislative approval.

NAA Unites with AFBF Regulatory Reform Call to Action

The National Aquaculture Association (NAA) has joined 52 other US agricultural associations, led by the American Farm Bureau Federation, in identifying federal regulatory overreach and recommending specific regulatory reforms.

This call to action is outlined in a white paper entitled, *Regulatory Improvement and Reform: A Priority for American Agriculture*. The signatory organizations have *continued on page 14*

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Regulatory Updates, continued from page 13

recommended that the new Administration and Congress make reform of the regulatory development process a top priority. The coalition has specifically asked and will be working to achieve the following:

- The Administration should pledge to work with Congress in a bipartisan, bi-cameral fashion to craft a package of reforms that can be signed into law by the summer of 2018.
- The President should designate the Director of Office of Management and Budget and the Attorney General as the principal Administration officials charged with interfacing with Congress.
- The bipartisan leadership of Congress should establish a working group to join with the Administration in crafting a bipartisan package of reforms that update, improve, strengthen and reform the existing regulatory process.

For a copy of the regulatory reform white paper, please contact the NAA office at 850-216-2400 or naa@thenaa.net.

from Ohio State University Extension "Buckeye Aquaculture" Vol 1 No 2 Dc 2016

HISTORY OF OSU'S ABC PROGRAM

By Jordan Maxwell, ABC Program Coordinator and Dr. Hanping Wang, Senior Scientist

University of Wisconsin-SP is participating in phase 2 of ABC

There is a noticeably growing demand for the production of safe, sustainable, and locally produced food in the United States. As a result of this growing interest and demand, Dr. Hanping Wang, together with an aquaculture team and business team, at Ohio State University South Centers wrote the first ABC-1 proposal in 2011, but did not get funded that time. In 2012, the proposal was revised and resubmitted, and got funded by USDA National Institute of Food and Agriculture (NIFA) for three years to set up a yearlong aquaculture boot camp (ABC) to help new and beginning fish farmers enhance their knowledge. ABC-1 was designed to train farmers in essential production techniques and business practices in Ohio and adjacent states. This program was the only hands-on training program targeted toward new fish farmers in the United States. Ohio Aquaculture Association (OAA) is a key partner for ABC-1. The results for 2013/2014 ABC-1 were impressive and varied, with many innovative businesses in the works. Nearly half of the graduates are currently putting their knowledge to use in the aquaculture industry. Based on ABC-1 students' feedback, aquaculture team, in collaboration with business team and horticulture team, at OSU South Centers, and in partnership with OAA, University of Wisconsin-SP, wrote and submitted an ABC-2 proposal in early 2016 and got funded in August by USDA-NIFA to continue ABC program. ABC-2 is offering new and innovative hands-on teaching techniques and topics that were developed following results and feedback from ABC-1. A key addition to ABC-2 is the inclusion of aquaponics. This expansion is a direct result of strong interest from Ohio and the North Central Region. Upon completion, participants will have the knowledge and hands-on experience to successfully operate a sustainable aquaculture or aquaponics business. OSU looks forward to seeing the expansion of aquaculture and aquaponics as a result of this program.



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Aquaculture Leaders Recognized

Please join the National Aquaculture Association in congratulating these individuals for their significant contributions to U.S. aquaculture.

Marvin Emerson, Crystal Lake Fisheries

During the recent U.S. Trout Farms Association fall meeting in Bethlehem Pennsylvania, Mr. Marvin Emerson, President and CEO of Crystal Lake Fisheries, was awarded the prestigious Clark and Mimi White Distinguished Service Award. This is the highest award given by USTFA and recognizes individuals that have worked unselfishly over the years to promote and serve the trout farming industry. Mr. Emerson was raised in a trout farming family. Starting as a worker feeding the fish and cleaning the screens, today Crystal Lake Fisheries is known nationally for their quality fish used primarily for stocking recreational lakes and streams in 38 different states. Amongst his many contributions to trout aquaculture, Mr. Emerson has served as President of US Trout Farmers Association, President of Missouri Aquaculture Association, board member on National Aquaculture Association, and board member of the North Central Regional Aquaculture Center. For more information, please visit: <http://www.crystallakefisheries.com/>

Dr. Kevan Main, Mote Marine Laboratory

Dr. Main has been recognized as a Champion of Change for Sustainable Seafood by the White House. Dr. Main is a member of an select group of citizens and scientists that are *continued on page 15*

Aquaculture Leaders, continued from pg 14

doing extraordinary things to empower and inspire members of their communities and for their leadership, innovation and commitment to U.S. fisheries and seafood.

Dr. Main has been instrumental in Mote's efforts in translating and transferring sustainable, innovative technology to the commercial sector and implementing real change that will fuel a new economic engine of environmentally sustainable land-based and offshore aquaculture in the United States.

Dr. Main is the Senior Scientist and Program Manager at the Mote Marine Laboratory and Aquarium and has led Mote's aquaculture research programs since 2001. Dr. Main is the Immediate Past President of the World Aquaculture Society, having completed her Presidency in February 2013. For more information, please visit: <https://www.whitehouse.gov/champions>.

FUNDING OPPORTUNITIES

FROM FSA

Looking for Information about an FSA Farm Loan? Visit Our Redesigned Website

The Farm Service Agency (FSA) website has undergone full redesign; this includes the Farm Loan Programs Page. The redesigned site allows the public to click links such as: Farm Operating Loans, Microloans, Youth Loans, Minority and Women Farmers, Beginning Farmer Loans, Emergency Loans and, more *continued*

Funding Opportunities, continued

importantly, the sites provide links to the application forms for each subject.

In addition to application forms, the site provides information regarding loan purposes, maximum loan limitations, repayment terms, interest rates and eligibility criteria. The revised Farm Loan Program website also offers a [Lender Tool Kit](#) for our partners in ag lending using the [Guarantee Loan Program](#). To find out more about Farm Loans, contact your local FSA office or access the Farm Loan Programs Site at:

<http://www.fsa.usda.gov/programs-and-services/farm-loan-programs/index>

From SBA

SBA Economic Injury Disaster Loans Available in Wisconsin Following Secretary of Agriculture Disaster Declaration

ATLANTA - The U.S. Small Business Administration announced today that federal Economic Injury Disaster Loans are available to small businesses, small agricultural cooperatives, small businesses engaged in aquaculture and most private nonprofit organizations located in **Wisconsin** as a result of the frost and freezing temperatures on May 13-18, 2016.

The SBA's disaster declaration includes the following counties: Adams, Barron, Buffalo, Burnett, Chippewa, Clark, Columbia, Dane, Dodge, Dunn, Eau Claire, Green Lake, Iowa, Jackson, Jefferson, Juneau, LaCrosse, Marquette, Monroe, Pepin, Pierce, Polk, Richland, Rock, Rusk, Saint Croix, Sauk, Taylor, *Cont on page 16*



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Trempealeau, Vernon, Walworth, Waukesha and Wood in **Wisconsin**. Applicants may apply online using the Electronic Loan Application (ELA) via SBA's secure website at <https://disasterloan.sba.gov/ela>.

Disaster loan information and application forms may also be obtained by calling the SBA's Customer Service Center at 800-659-2955 (800-877-8339 for the deaf and hard-of-hearing) **Completed loan applications must be returned to SBA no later than July 31, 2017.**

USDA Announces Streamlined Loan Guarantees and Additional Lender Category for Small-Scale Operators

The U.S. Department of Agriculture (USDA) has announced the availability of a streamlined version of USDA guaranteed loans, which are tailored for smaller scale farms and urban producers. The program, called EZ Guarantee Loans, uses a simplified application process to help beginning, small, underserved and family farmers and ranchers apply for loans of up to \$100,000 from USDA-approved lenders to purchase farmland or finance agricultural operations.

USDA also unveiled a new category of lenders that will join traditional lenders, such as banks and credit unions, in offering USDA EZ Guarantee Loans. Microlenders, which include Community Development Financial Institutions and Rural Rehabilitation Corporations, will be able to offer their customers up to \$50,000 of EZ Guaranteed Loans, helping to reach urban areas and underserved producers. Banks, credit unions and other traditional USDA-approved lenders, can offer customers up to \$100,000 to help with agricultural operation costs.

For more information, please visit: <http://www.fsa.usda.gov/index>.

Input Requested from Growers on Research, Training Needs

Bill West has been the Wisconsin industry representative to North Central Regional Aquaculture Center (NCRAC) since 2008 and has been on the NCRAC Board for the past two years. Recently, Bill has volunteered to lead the research and education committees/work team for the WAA and WAIAC. There has been a lot of renewed interest in aquaculture and recent research efforts, new grow-out opportunities and more favorable markets have led to better opportunities to supply domestic fish products. In the past five years we have seen a tremendous growth in the aquaponics industry, major emphasis in high school programs, and advances for CSAs for fish. The focus for the research and education effort will be to identify what is going on in the industry and provide reports quarterly in the Creel. Just as important, we need the input of small growers on what they would need by way of research, training etc. to advance their operations. To jump start this whole process, Bill will be having a formal/informal discussion get-together at the WAA conference. Watch for updates on the WAA website and in future Creel editions.

From NAA

NOAA Sea Grant Releases 10 Year Aquaculture Vision

The National Oceanic and Atmospheric Administration's (NOAA) National Sea Grant College Program (NSGCP) has released a ten year aquaculture planning document. For nearly 50 years, Sea Grant has invested in the development of sustainable marine and Great Lakes aquaculture businesses. Sea Grant will likely be investing \$50 to \$100 million in aquaculture research and technology transfer over the next 10 years. In March 2015, the Sea Grant Association established a committee to develop a 10-year vision for aquaculture investments by NOAA's NSGCP. The purpose of this 10-year vision is to (1) determine Sea Grant's most appropriate roles over the next 10 years, and (2) identify priority research and outreach strategies leading to sustainable economic development, environmental conservation and social well-being. The strategies are: Commerce, Permitting and Policies, Current and Emerging Species, Production Systems, and Seafood Safety and Quality.

To read or download the *10 Year NOAA Sea Grant Aquaculture Vision*, please visit: https://eos.ucs.uri.edu/EOS_Linked_Documents/masgc/16-015.pdf.

Priorities in the upcoming Wisconsin Sea Grant funding cycle

Titus S. Seilheimer, Ph.D.

Fisheries Specialist, Wisconsin Sea Grant
920-683-4697, Tseilheimer (at) aqua.wisc.edu

Focus Area: Sustainable Fisheries and Aquaculture in the Great Lakes Region.

Research Priorities – Sustainable Fisheries and Aquaculture

1. Better understand our Great Lakes fisheries, including status and trends, measurement and modeling techniques, and future scenarios and socioeconomic costs and benefits under different management approaches and environmental conditions.
2. Advance an environmentally sustainable and robust recreational, commercial and subsistence Great Lakes fishery.
3. Understand threats to Great Lakes fisheries, including, but not limited to, invasive species, food web changes and climate change as well as effective responses.
4. Identify and better understand the barriers to expansion of the aquaculture industry in Wisconsin and implement innovative partnerships to address scientific, business, economic, policy and legal challenges.
5. Collaborate in identifying Great Lakes regional aquaculture opportunities and best management practices.
6. Better understand the risks and benefits of consuming Wisconsin-produced fish.
7. Encourage behavioral and consumer sciences, consumer perception and preferences, food safety, labeling and certifications, seafood demand studies and promotion of local seafood.
8. Develop and improve economically viable and environmentally sustainable aquaponics operations, with an emphasis on business planning, risks and socioeconomics.
9. Develop and improve commercially viable and environmentally sustainable aquaculture practices and techniques, including nutritional value of feeds, broodstock *continued on page 17*

Sea Grant Updates, continued from page 16

selection, water supply and quality, husbandry and disease and pathogen prevention and diagnosis.

10. Develop of environmental and economically sustainable aquaculture through workforce development and trainings, K-12 education and technical assistance.

11. Expand urban aquaculture into new markets and provide knowledge resources to existing operations.

12. Investigate emerging species suitable for aquaculture in Wisconsin.

from Ohio State University Extension "Buckeye Aquafarming" Vol 1 No 2 Dc 2016

Aquaculture and aquaponics: the Lacey Act and injurious species

By Matthew A. Smith, Extension Aquaculture Specialist

Often referred to by researchers as a "blanket of regulations," aquaculture and aquaponics are subject to regulation by numerous state and federal agencies. Aquatic species grown in both aquaculture and aquaponic systems are subject to the same laws in the United States (U.S.). Federal agencies such as USFWS, EPA, FDA, NOAA, USDA, and the U.S. Army Corps of Engineers all regulate the aquaculture industry. Recently, there has been even more discussion regarding the Lacey Act and injurious species. The Lacey Act was the first federal law passed to protect wildlife by prohibiting the interstate transportation and trade of unlawfully harvested *continued*

Lacey Act, continued

game and plants. The Act has been amended a number of times over the years and directly affects aquaculture producers that desire to transport across the border. This statute applies to all "wild" animals, which includes fish that have been on the farm for their entire life. Injurious means to have a harmful or detrimental effect. As applied to aquaculture, the USFWS can list a species that they have determined as having a detrimental effect on wild fish populations as injurious and therefore cannot be legally reared, cultured, or sold. For more on information on the Lacey Act and how it affects the aquaculture industry, please see Southern Regional Aquaculture Center's Publication #5005, entitled *Aquaculture and the Lacey Act*. This free publication also offers some good examples as to what actions cause a farmer to fall under the Lacey Act.

Effective October 31, 2016, an additional 11 freshwater aquatic species were added to USFWS injurious species list. Prior to the end of October, 135 species were listed as injurious in the fish, mollusks, and crustaceans category. Also, an interim ruling regarding the addition of over 200 salamander species to the injurious species list passed in January 2016. Currently, there are close to 350 aquatic species listed as injurious by the USFWS, and very few of those species are ever cultured in the U.S. The 11 species recently added include Crucian Carp (*Carassius arassius*), Prussian carp (*Carassius gibelio*), Wels Catfish (*Silurus glanis*), Eurasian Minnow Phoxinus phoxinus), Stone Moroko (*Pseudorasbora parva*), European Perch (*Perca fluviatilis*), Nile Perch (*Lates niloticus*), Roach (*Rutilus rutilus*), Amur Sleeper (*Perccottus glenii*), Zander *continued on pg 18*

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(*Sander lucioperca*), and Yabby (*Cherax destructor*). The USFWS was also petitioned to add another 43 species to the injurious species list by the Center for Invasive Species Prevention (CISP) on September 23, 2016, some of which are native to the U.S. The list, too long to reference here, includes some popular cultured animals such as several species of Tilapia, Grass Carp, Common Carp (Koi), Crawfish, and Blue and Flathead Catfish. While the USFWS is not under a specific timeframe and may find that the petition does not have a basis for further action, it is necessary to understand potential problems. Knowledge about the Lacey Act and injurious species are especially necessary as the media, state aquaculture associations, and individual farmers have made reference to CISP's petition in recent months. We all know how important Triploid Grass Carp and Tilapia are to Ohio aquaculture and aquaponic farmers. . . ., instead of importing species in the first place, it would improve our industry by culturing our own species (although probably only certain sizes) instead of relying on other states. The National Aquaculture Association (NAA) has a call for action letter and can be found by contacting Executive Director Paul Zajicek at naa@thenaa.net. For more information on the 11 aquatic species please visit <https://www.fws.gov/injuriouswildlife/11-freshwater-species.html> and for the full list of the 43 species petitioned by CISP, visit <http://www.cisp.us/>. In the effort to have full disclosure, I am on the NAA's Aquatic Nuisance Species Committee. Suggested Reading: SRAC

from Ohio State University Extension
"Buckeye Aquafarming" Vol 1 No 2 Dc 2016
Striving to improve North Central Region aquaculture businesses through strong state aquaculture associations

By Carole Engle¹, Nick Phelps², Kwamena Quagraine³, Matthew Smith⁴, Chris Weeks⁵, and Paul Zajicek⁶
¹Engle-Stone Aquatic\$ LLC, ²University of Minnesota, ³Purdue University, ⁴Ohio State University, ⁵Michigan State University, ⁶National Aquaculture Association

A North Central Regional Aquaculture Center (NCRAC) project is underway to assess how state aquaculture associations in the north central region could be improved through leadership training workshops. Currently, less than half of the states in the North Central Region have associations with regular meetings and elections. An important first step in strengthening the industry will be to survey aquaculture and aquaponic producers, along with baitfish harvesters, in order to gain an understanding of views and concerns of those in the region regarding aquaculture associations. A national survey was conducted recently to assess the benefits of industry associations; only 1% of total survey respondents were from the North Central Region. Thus, results from this national survey are not representative of this region.

Aquaculture/aquaponic farmers and baitfish harvesters will be contacted for their input regardless of whether they have ever joined an association or not.

All responses to these surveys will be kept strictly confidential and developed reports will only include generalized responses. *cont.*

Whether you are currently part of an association or not, we hope you will strongly consider participating to help strengthen aquaculture as a whole throughout the region. A key element to the success of this project is acquiring input from both farmers and bait fishers who are not currently members of any state aquaculture association as well as those who are. If you are a producer or a baitfish harvester and are not contacted to complete a questionnaire (either by email or phone) by **February 28, 2017** then please contact Dr. Carole Engle at engle8523@gmail.com, and we will get the survey to you right away. Thank you for your help with this initiative to strengthen aquaculture related businesses in the North Central Region

University of WI-Stevens Point Offering College Courses on Aquaponics

The University of Wisconsin-Stevens Point is offering two semester-long college aquaponics courses starting in February 2017. Principles of Aquaponics is a 2-credit, 12-week, fully online course that includes everything from the history of aquaponics to systems design, operation, and marketing products. Introduction to Aquaponics is a comprehensive 3-credit course with online lectures taking place from February to mid-May with in-person, hands-on labs May 22-24 at the UWSP-Aquaponics Innovation Center in Montello, Wis.

Courses are open to anyone interested in a comprehensive learning environment about aquaponics and seeking college credit; non-credit option is also available. These courses have been offered for six years and have graduated over 300 students. A Professional Aquaponics Certificate program is also available.

For more information, visit our website: <http://www.uwsp.edu/aquaponics>

For course registration: <http://www.uwsp.edu/conted/credit/Pages/Spring2016/CourseListing.aspx>

Nelson and Pade, Inc.® Celebrates Milestone Event-Recognizing Attendees from over 100 Countries

The Nelson and Pade, Inc.® 3-day **Aquaponics Master Class®** draws attendees from all over the world. To date, thousands of people have attended this comprehensive course to learn about aquaponics, an innovative, sustainable method of raising fish and vegetables. Our November 3-day Aquaponics Master Class® brought the total international attendance to over 100 countries!

To celebrate this milestone event, we hosted an open house with self-guided tours of our state-of-the-art controlled environment greenhouse. Guests and attendees dined on delectable hors d'oeuvres, featuring aquaponically grown fish and vegetables that were prepared and served by the Culinary Team from the University of Wisconsin Stevens Point.

Local businesses and friends joined us for the celebration, along with the Regional Tourism Specialist from the Wisconsin Department of Tourism, Andrew Nussbaum. Our international attendees from Ethiopia, Kazakhstan, India and Lebanon were also recognized for their attendance and participation.

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Request for Comments - Trout and Catfish Aquaculture USDA National Agricultural Statistics Service

The USDA National Agricultural Statistics Service is seeking public comments on the paperwork and regulatory burdens associated with the conduct of its 'Aquaculture Surveys' which are "... used by government agencies and others in planning farm programs ..." - The trout surveys include "... inventory counts, sales (dollars, pounds, and quantities), percent of product sold by outlet at the point of first sale, number of fish raised for release into open waters, and losses."

Comments Due By: January 27, 2017

The November 28, 2016 USDA NASS Federal Register Notice is posted at: <http://www.gpo.gov/fdsys/pkg/FR-2016-11-28/html/2016-28419.htm>

The USDA Economic Research Service Aquaculture Data is available at: <http://www.ers.usda.gov/data-products/aquaculture-data/> Questions may be directed to R. Renee Picanso who is the Associate Administrator of the USDA National Agricultural Statistics Service at 202 720 4333; e-mail: Renee.Picanso@NASS.USDA.gov Copies of the Information Collection documents can be obtained without charge from David Hancock, NASS Clearance Officer, at 202 690 2388; e-mail: OMBOfficer@NASS.USDA.gov

NAA Promotes Caviar to the International Foodservice Editorial Council

The National Aquaculture Association (NAA), with funding support from the United Soybean Board, wowed food editors and writers at the recent International Foodservice Editorial Council annual conference in Minneapolis. Seafood sustainability is a hot button for many industry segments and what better way to talk about sustainability than to feature farm-raised sturgeon when most of the species are tottering on the brink of extinction in their native ranges. U.S. aquaculture is bringing sturgeon back. Featuring farm-raised sturgeon and caviar was a way to get the sustainability message out in an interesting and different way. The session definitely made an impression on the editors and provided really memorable experiences.

Meeting the farmers and gaining an understanding that many of our fish farms are family farms provided a new perspective and was an effective way to deliver the message that U.S. aquaculture is sustainable, can contribute to at-risk species recovery and produces delicious, high-value products.

THE COOK'S CORNER

Grilled Salmon with Tomato Caper Vinaigrette

Adapted from A Taste of Ontario

- 3 Ripe greenhouse beefsteak tomatoes, cored, seeded and dices
- 1/4 cp Red onion, finely chopped
- 2 Tbl Capers, drained
- 1/4 cp Aged sherry vinegar
- 1/2 cp extra virgin olive oil
- 2 tsp Fresh thyme, finely chopped
- 2 Tbl Fresh basil, chopped
- 4 8oz salmon filets, 1" thick with skin on
- Canola oil
- Salt & pepper

Mix the first 7 ingredients in a medium bowl and season with salt and pepper

Let the mixture sit at room temperature for 30 minutes, This is the tomato caper vinaigrette.


Heat grill to medium high

Brush the fish with the oil on both sides and season with salt and pepper

Grill the salmon skinside down until the skin is lightly charred and crisp

Turn the fillet over, reduce the heat to medium and cook until cooked through, but not falling apart

Move the fish to the serving plates and spoon the tomato caper vinaigrette over each fillet.



THE #1 WRITER OF FARMS IN WISCONSIN IS REWARDING POLICYHOLDERS
Introducing the Rural Mutual Farm Dividend Program

For more information about the farm dividend program and how you may qualify, call 877-219-9550 or contact your local Rural Mutual agent.

Rural Mutual
Insurance Company
www.ruralins.com/farm-dividend

MINUTES

WAA Winter Board Meeting Minutes Thursday, Dec. 1, 2016 Schmeckle Reserve, Stevens Point

Present: Peter Fritsch, President; Dan Gruendemann, Board Chairman; Ben Gollon; Jim Augustyn; Tim Winkel; Mike Foster; Staff: Kathy Foster, Treasurer
Absent: Brandon Pigott; Terry Hogan; Tim Gollon; Staff: Cindy Johnson, Secretary
Non-voting members present: Fritz Gollon, Bill West, Dave Gollon

Meeting was called to order by Dan G. at 10:15 am

Minutes from September 26, 2016

Minutes were approved by Peter F, 2nd by Ben G.

Treasurer's Report

Upcoming bills will be the Creel & mailing of memberships. Cindy & Kathy have not been paid since June / April. Update on donations was given. Discussion on Axley invoices & progress was given by Peter. Discussed having Vendors for the conference confirm & have payment in by the end of January. Promote the Sponsorships to encourage more participation from vendors. Peter said we have an option to borrow money from USFTA for 0% interest if we need to. Dave G. talked to the group about having everyone contribute to help the cause; this legislation affects all of aquaculture in Wisconsin; small & large operations. Board was in agreement to pay for Cindy's & Kathy's time thru November. We need to have funds available to pay for the Dec. Creel & membership mailing.

Treasurer's report was approved by Peter F, 2nd by Tim W.

Old Business

Dave Gollon gave an update on the Walleye Initiative, it has come to an end as the DNR has no funds to purchase walleyes.

Peter & Dave shared updates on the Aquaculture Bill Legislation. They are hoping to meet with Ben Brancel, Secretary DATCP State

"Let there be no doubt that "Fish" is the world's most traded protein, and it's twice the size of the coffee trade. (Worldwide) Seafood had an estimated export value of US\$136 billion in 2014, according to the UN's Food and Agriculture Organization (FAO). Also, by the end of this century we will need to produce the same amount of food as we produced in the past 10,000 years, so aquaculture will be pivotal to global food security."

The Fishmonger. "THE MAGIC WORD... AQUACULTURE".
Aquaculture Magazine, October-November 2016, page 75

of WI, within the next couple weeks & will give the board an update after that meeting.

Conference 2017

Bill West suggested having several 1 hour time slots & having in depth seminars on Cool Water, Cold Water, Bait Industry & Aquaponics. Those involved in each area are to find speakers & give them topics we'd like to learn about. They will ask approx. how much time each speaker will need (no more than 1.5 hours) and schedule will be made accordingly. It was discussed about having a workshop on Thursday afternoon. It was decided to have one on Permitting & Licensing by DATCP, DNR & Fish Health Vets. Time will be from 1-4 pm & fee was set at \$50 per person. Conference registration & other fees were looked at and board decided to increase the Spouse & Student fees from \$65 to \$75. Friday lunch only increased from \$15 to \$25 and Fridays Taste of WI Aqua Buffet increased from \$15 to \$25. Everyone was encouraged to donate or ask for donations for the Silent Auction; hopeful to make \$3000 or more from that. We will not offer a lunch on Saturday.

New Business

Board members terms are up on March. There are openings for 2 Directors, President, Vice President & Chairman. Some names were brought up for Directors. People who accept positions must be actively involved and committed to WAA.

Membership was discussed. Peter will draft a letter for Cindy to include on an update of the Legislation and how it will affect everyone involved in every phase of Aquaculture.

Mailing to Non WAA members was not discussed due to our time running short.

We agreed that if we offer seminars at the conference that will be of interest to both small pond owners & large operations we'd be able to attract new members to WAA. Everyone was encouraged to talk to customers about the value of being a member of WAA.

Upcoming vacancy for WAA Secretary was discussed. Some names were brought up & Peter will ask if they *continued on pg 22*

2017 Calendar of Events

Location of following March meetings, workshop and Wisconsin Aquaculture Conference:

Hotel Marshfield, 2700 S Central Ave. Marshfield, WI

Mar 2 10a-noon Spring WAIAC Meeting

1-4p pre-conference workshop

6-8p Annual WAA Members Meeting
Spring WAA Board Meeting

Mar 3-4 2017 Wisconsin Aquaculture Conference

July 15 Aquaculture Day

Minutes, continued from page 21

may be interested. He asked if anyone had any employees that are familiar with the aquaculture industry that may be interested in some P/T work.

Posters: We have approximately 250 posters left. Due to the cost of postage & mailing tubes it was decided to increase the cost of the posters from \$5 to \$12 to cover the costs. We can offer a cash & carry discount at the conference of \$5 each. It was noted that all items available to purchase already included packaging & shipping.

Next meeting date was set for Thursday, March 2 at Hotel Marshfield from 6-8 pm.

Motion to adjourn made by Peter F, 2nd by Ben G.
Meeting adjourned at 12:25 pm.

Respectfully submitted by
Kathy Foster,

USDA Awards \$1.2 Million for Aquaculture Research

The U.S. Department of Agriculture's (USDA) National Institute of Food and Agriculture (NIFA) announced four grants totaling \$1.2 million to support the development of environmentally and economically sustainable aquaculture in the United States.

Awards for 2016 include:

- Michigan State University, East Lansing, Mich., \$307,869
- Virginia Tech, Blacksburg, Va., \$275,887
- Auburn University, Auburn, Ala., \$326,250

Michigan State University will use the funds to support research by scientists who will identify strains of a common bacteria that threaten farmed rainbow trout, as a step toward improved disease prevention and control. Virginia Tech researchers will work with commercial farmers to compare profitability of both pond and recirculating-water commercial business models. An Auburn University project will evaluate and optimize the economics, fish and plant biology and food safety aspects of a high-yield aquaponics system that utilizes fish waste to generate additional revenue.

For more information on these projects, please contact Dr. Gene Kim, NIFA National Program Leader, at 202-401-1108 or Gene.W.Kim@nifa.usda.gov.

2015 was another above-average year for fishing and seafood consumption, with the average American adding nearly an extra pound of seafood to their diet, according to the annual Fisheries of the United States report released by NOAA.

WAA STORE

Books

Managing Wisconsin Fish Ponds - \$15

Best Management Practices for Aquaculture by Malison & Hartleb - \$40 for WAA Members, \$45 non WAA Members

NEW 3rd Edition - Recirculating Aquaculture Systems by Timmons & Ebeling - \$110

NCRAC Sunfish Culture Manual - \$20

Fish Hatchery Management, 2nd Edition - \$60

DVD's

UW -Spawning of Yellow Perch, dvd - \$10

Other

"Fish of Wisconsin" poster - \$12ea.

WE ONLY HAVE A FEW HUNDRED OF THESE LEFT! MAKE SURE YOU ORDER YOURS BEFORE THEY ARE GONE!

Baseball Cap - faded denim w/ WAA logo - \$12

All prices include shipping

All items available at: WisconsinAquaculture.com

OR

Call, write, or email:

WAA

PO Box 175,

New London, WI 54961

920-250-1037

sales@wisconsinaquaculture.com

PART TIME EMPLOYMENT OPPORTUNITY

WISCONSIN AQUACULTURE ASSOCIATION SECRETARY

FOR MORE DETAILS CONTACT ANY BOARD MEMBER OR CINDY CONTACT INFORMATION LOCATED ON PAGE 2

**WISCONSIN AQUACULTURE ASSOCIATION, INC.
2017 MEMBERSHIP APPLICATION/RENEWAL FORM**

WAA membership levels & benefits. All memberships run from Jan - Dec

Associate - \$35 Receive 4 issues of The Creel, name & address listed on members search, inclusion on member only list serv for vital information, use of portable display to promote Wisconsin Aquaculture, discounts on conference and selected workshop registrations, annual members' picnic, participation in annual Wisconsin Aquaculture Day, annual membership meeting.

Business/Active - \$75 Benefits of Associate level, **PLUS:** Business level members can vote at the annual membership meeting, are eligible to serve on the WAA or WAIAC boards, and only these members are listed on our online directory by processing, produce type, sales and fish species - this is an asset if you are a commercial business as consumers and other farmers utilize this directory when searching for producers and suppliers.

Group - \$100 1 business membership and up to 4 associate members - farm employees, vendor employees, agencies, university, etc.

Join now and keep up with the latest in Wisconsin aquaculture news!

For Renewals: Check here if your name, address, phone, or email has changed

Name _____

Title/Position _____

Business Name _____

Address- Mailing _____

Physical _____

City, State Zip Code _____

Phone: Home (will not be on website) _____

Business (on website) _____

Website _____

Email _____

Put me on WAA list serv (keep up to date with association and industry news) ___ Yes (need email address) ___ No

Type of Membership: Renewal New

Business/Active(\$75/year voting) _____

Associate (\$35/year non-voting) _____

Group (\$100.00/year) _____

Donation to help with Aquaculture Legislation _____

TOTAL enclosed _____

For Group level includes 1 business member & up to 4 associates - list members name (designate business member)

If you have a Business membership please include: types of processing (ex. fillet, whole, smoked, etc.), producer types (ex. food, stocking, bait, etc.), fish species, sales types (ex. adult, fingerling, fry, egg, etc.)

Send this form & a check or money order to:
WAA, PO Box 175, New London, WI 54961

Editor

Wisconsin Aquaculture Association, Inc.

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