52nd ANNUAL MEETING OF THE NEW YORK CHAPTER AMERICAN FISHERIES SOCIETY

"Forage in the food web"

07 – 09 February 2018
Otesaga Resort Hotel
Cooperstown, NY
### Schedule by day

#### 07 February 2018

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>11:00AM-12:30PM</td>
<td>Registration</td>
<td>Oak Room</td>
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<tr>
<td>12:30PM-7:00PM</td>
<td>Poster set up</td>
<td>Fenimore</td>
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<tr>
<td>12:30PM-4:30PM</td>
<td>Alan Alda Center for Communicating Science Workshop</td>
<td>Ballroom</td>
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<tr>
<td>2:30PM-2:45PM</td>
<td>Break</td>
<td>Ballroom Rotunda</td>
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<tr>
<td>4:30PM-6:00PM</td>
<td>NYCAFS Executive Committee Meeting</td>
<td>Kingfisher Tower</td>
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<tr>
<td>6:00PM-7:00PM</td>
<td>Registration</td>
<td>Oak Room</td>
</tr>
<tr>
<td>7:00PM-9:00PM</td>
<td>NYCAFS Welcome Social</td>
<td>Fenimore</td>
</tr>
<tr>
<td>9:00PM-12:00AM</td>
<td>Fire bar and late night social</td>
<td>Kingfisher Tower</td>
</tr>
</tbody>
</table>

#### 08 February 2018

**SCHEDULE AT A GLANCE**

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>7:00AM-8:00AM</td>
<td>Registration</td>
<td>Oak Room</td>
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<tr>
<td>7:00AM-8:30AM</td>
<td>Continental Breakfast</td>
<td>Glimmerglass</td>
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<tr>
<td>7:00AM-6:30PM</td>
<td>Poster set up</td>
<td>Fenimore</td>
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<tr>
<td>8:30AM-11:30AM</td>
<td>Plenary Session</td>
<td>Ballroom</td>
</tr>
<tr>
<td>10:15AM-10:30AM</td>
<td>Break</td>
<td>Ballroom Rotunda</td>
</tr>
<tr>
<td>11:30AM-1:00PM</td>
<td>Lunch</td>
<td>Glimmerglass</td>
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<tr>
<td>1:00PM-4:00PM</td>
<td>Concurrent Sessions</td>
<td>Ballroom, Iroquois, and Kingfisher Tower</td>
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<tr>
<td>2:40PM-3:00PM</td>
<td>Break</td>
<td>Ballroom Rotunda</td>
</tr>
<tr>
<td>4:00PM-5:00PM</td>
<td>Business Meeting</td>
<td>Ballroom</td>
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<tr>
<td>5:00PM-6:30PM</td>
<td>Poster Session</td>
<td>Fenimore</td>
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<tr>
<td>6:30PM-10:00PM</td>
<td>Banquet, Awards, and Raffle</td>
<td>Glimmerglass</td>
</tr>
<tr>
<td>9:00PM-12:00AM</td>
<td>Fire bar and late night social</td>
<td>Kingfisher Tower</td>
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</table>
PLENARY SESSION

8:30AM-8:45AM  Meeting introduction (Mark Cornwell)
8:45AM-9:30AM  Brian Weidel. Who’s driving this ship? Alewife and the changing Lake Ontario food web.
9:30AM-10:15AM  Adrian Jordaan. River herring population dynamics in coastal ecosystems: movement from one black box to the other.
10:30AM-11:00AM  John Waldman. Toward reconciling energy production and diadromous fish migrations on Atlantic rivers.
11:00AM-11:30AM  Tony David. Historic High Lake Ontario-St. Lawrence River Levels: Maximizing Outflows in a Record Year.

CONCURRENT SESSIONS  (*Student presenter)

Trophic changes in Otsego Lake, NY Following introduction, expansion, and collapse of invasive alewife (Ballroom)

1:00PM-1:20PM  Waterfield, H. Otsego Lake 30 years post-alewife (Alosa pseudoharengus) introduction: a recent history of a managed food web.
1:40PM-2:00PM  Albright, M. Changes in trophic conditions in Otsego Lake, NY as influenced by changes in the plankton community, as influenced by changes in the fishery...
2:00PM-2:20PM  Cornwell, M. The re-introduction of walleye to Otsego Lake.
2:20PM-2:40PM  *Carey, S., et al. The Feasibility of Restoring Lake Whitefish as an Integral Component of the Cold-water Fish Community in Otsego Lake, NY.

Who is eating WHAT and for HOW MUCH? (Ballroom)

3:00PM-3:20PM  Evans, T. M., and B. C. Weidel. Lake Ontario Deepwater Sculpin diet identification using gut content and stable isotopes: Are all Mysis equal?

3:40PM-4:00PM  Raab, D. J., et al. Economic feasibility and marketing of boneless bighead and silver carp meat on a small scale.

**Predator-prey dynamics (Iroquois)**

1:00PM-1:20PM  *Marcy-Quay, B.* Community response to Smallmouth Bass removal – long term review.


1:40PM-2:00PM  *Futia, M., et al.* Long-term assessment of lipid content and fatty acid signatures of Lake Ontario prey fishes.

2:00PM-2:20PM  Rinchard, J., et al. Thiamine deficiency complex in salmonines from New York State.

2:20PM-2:40PM  Markham, J. L. Round Goby: Friend or foe in the Lake Erie food web?

3:00PM-3:20PM  Markley, N., et al. Setting the table for predators: Cisco *Coregonus artedi* culture at the Northeast Fishery Center.

3:20PM-3:40PM  *Hulbert, J., and D. Stich.* Trophic interactions between Alewife, Walleye, and Yellow Perch.

3:40PM-4:00PM  Cochran, J., et al. What’s going on with the Emerald Shiner? A look at a native species through the lens of an invasive species early detection program.

**Resource use and habitat selection (Kingfisher Tower)**

1:00PM-1:20PM  Sethi, S., et al. The role of invasive Round Goby in the Great Lakes basin: habitat use and standing stock biomass in a recently invaded, deep inland lake.

1:40PM-2:00PM  Jackson, R., et al. Movement patterns and home range fidelity of Bowfin in Oneida Lake, New York.


3:00PM-3:20PM  *Paufve, M., et al. Characterizing the spawning and incubation habitat of Cisco *Coregonus artedi* in the Great Lakes.


3:40PM-4:00PM  Watkins, J., et al. Tracking diel foraging behavior of Chinook Salmon in Lake Ontario using pop-off archival tags.

09 February 2018

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<td>8:30AM-11:40AM</td>
<td>Concurrent Sessions (Ballroom)</td>
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<tr>
<td>10:00AM-10:20AM</td>
<td>Break (Ballroom Rotunda)</td>
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<tr>
<td>11:45AM-12:00PM</td>
<td>Student Presentation Awards (Ballroom)</td>
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<tr>
<td>12:30PM</td>
<td>Ice fishing (Otsego Lake)</td>
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</tbody>
</table>
**CONCURRENT SESSIONS** (*Student presenter*)

*Molecular applications (Ballroom)*

8:30AM-8:50AM  *Pershyn, C. E., N. H. Ringler, and M. H. Murphy.* Population genetics and diversity of Brook Trout *Salvelinus fontinalis* in the headwaters of the Ausable River, New York.


9:40AM-10:00AM  *Rees, C., et al.* Comparison of electrofishing and environmental DNA detection methodologies in Great Lakes tributaries.

10:20AM-10:40AM  *George, S. D., et al.* Efficacy of Environmental DNA and traditional sampling methods to monitor the expansion of Round Goby in the Mohawk River-Barge Canal system.

10:40AM-11:00AM  *Getchell, R. G. et al.* Initial phylogenetics of 2017 Cayuga Lake viral hemorrhagic septicimia virus (VHSV) outbreak.

11:00AM-11:20AM  *Evans, T. M., and A. M. Weber.* Using Stable isotopes to identify the nutritional sources supporting American Brook Lamprey *Lethenteron appendix* along a stream gradient.

*Community and Habitat Restoration (Iroquois)*


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<tr>
<td>9:40AM-10:00AM</td>
<td>LeBlanc, J. P., et al</td>
<td>Walleye early-life as an important component of management: habitat restoration, protection, and evaluation in eastern Lake Ontario.</td>
</tr>
<tr>
<td>10:40AM-11:00AM</td>
<td>Dodici, G.</td>
<td>Wood is good! How reintroducing wood can increase stream function.</td>
</tr>
<tr>
<td>11:00AM-11:20AM</td>
<td>Gosier, C.</td>
<td>NYSDEC’s freshwater mussel caging project on the Lower Grasse River.</td>
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</table>

**Fisheries Management (Kingfisher Tower)**

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<tr>
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<tbody>
<tr>
<td>8:30AM-8:50AM</td>
<td><em>Elliott, R., and D. Stich</em></td>
<td>A citizen-based approach to supplementing state fishery data.</td>
</tr>
<tr>
<td>9:40AM-10:00AM</td>
<td>Robinson, J. and D. W. Einhouse</td>
<td>Effectiveness of daily bag limit regulations for controlling percid harvest in Lake Erie.</td>
</tr>
<tr>
<td>10:40AM-11:00AM</td>
<td>Kenney, G., and W. Eakin</td>
<td>Anadromous River herring in the Hudson River: status, research and management.</td>
</tr>
</tbody>
</table>
**CONTRIBUTED POSTERS** (*Student presenters*)


Arams, J., McKenna Jr., and A. David. Changes in fish assemblages after the removal of the Hogansburg Dam on the lower St. Regis River, NY.


Brown, E. N., and J. A. Hoyle. Migration and spatial ecology of Bay of Quinte-eastern Lake Ontario Walleye.


Carlson, D. Fish recovery programs in NYS: players and scorecards.

Carlson, D., and E. Maxwell. Unusual suckers of Big Moose Lake: environmental disturbances and recovery?

*Casscles, J. B., and D. Stich.* Detecting shifts in an Adirondack Lake Trout Salevinus namaycush population using size structure and condition

*Caves, S., and D. Stich.* Grass Carp Ctenopharyngodon idella population models for Song Lake (Cortland County) and Crooked Lake (Onondaga County).

Cushman, S., and N. Michels. Impacts of the invasive Round Goby on benthic and pelagic prey in lakes.


*Fitzpatrick, K. B., and S. Sethi.* Predator-prey population dynamics model for Lake Ontario salmon management.


**Hammers, B.** Keuka Lake forage collapse: A management perspective. Push nets: Better than your average ichthyoplankton gear?


*Holsopple, A. R., M. K. Mulvihill, and J. R. Foster.* Resurgence of Rainbow Smelt *Osmerus mordax* following the collapse of the Alewife *Alosa pseudoharengus* population in Otsego Lake, New York

**Jamieson, S., C. Gosier, and J. Ryan.** Building the perfect (maybe?) mussel cage: a pilot approach on the Grasse River.

**Keefe, C., C. Hatigan, J. Cochran, and M. Senske.** Push nets: better than your average ichthyoplankton gear?

*Kronisch, G., D. J. Stewart, and N. H. Ringler.* Longitudinal changes of fish assemblages in Nine Mile Creek, tributary to a recovering urban lake.

*Kua, Z. X., J. M. Farrell, and J. C. Stella.* Water regulation effects on community associations in the St. Lawrence River


**Kugler, M., P. Lord, and A. Gascho-Landis.** Populations on the brink: predictive estimates of time since recruitment for *Elliptio Complanata* by thin-section aging of deceased individuals.

**Lane, C., E. J. Livengood, R. D. Miles, and F. A. Chapman.** The effects of every-other-day feeding on the growth performance of yearling stellate sturgeon, *Acipenser stellatus.*

**Lehman, B. C.** SUNY Cobleskill’s conservation fisheries: past, present, future.

**Lepak, J. M.** Barotrauma in Lake Erie Yellow Perch: take pride in your perch!

**Madsen, J. A., and D. A. Fox.** Quantifying benthic habitat disturbances of commercial vessel anchoring: implications for protected resources and submerged electric-power transmission cables.


*Matt, M., and D. Stich.* Long-term proportional size distribution trends in Lake Ronkonkoma

**Mulloy, C., E. Bruestle, C. Karboski, and D. Gorsky.** Larval and juvenile Lake Sturgeon assessment of the Lower Niagara River.
*O’Reilly, J., and D. Stich. Comparison of sub-basin characteristics within Cassadaga Lakes Chautauqua County, New York.


Pokorny, T. Brown trout movement and spawning tributary use in the West Branch Delaware River tailwater, Delaware County, NY.

Post, T. Integrated management of invasive and other aquatic plants in lake ecosystems.


Reed, K., H. Himes, T. Lewis, and M. Rosten. Implications of invasive species management on native fish populations.


Ryan, J., C. Gosier, and D. Mayer. Changes in a native mussel community over distance: are Zebra Mussels to blame?

*Scholten, G., T. Pitcher, and J. McKenna Jr. Evaluating the feasibility of imprinting Coregonus artedi to increase natal homing ability.

*Sibinga, N., V. Selvaraj, and H. Marquis. Let them eat insects: evaluating the potential of manure-raised housefly larvae as a feed ingredient in the diet rainbow trout.

*Smith, G., and D. Stich. Community tensions and influences on development of a management plan for a small, private pond.

Swenson, S. Adapting radio frequency identification FDX-B/HDX single antenna system to use in lotic systems.

VanDemark, C., J. Cochran, and C. Keefer. Larval fish photo repository.

*Walczek, A. Walleye growth in connection with the eradication of Alewife population in Otsego Lake, New York.


Weidel, B., J. Palumbo, S. Furgal, T. Evans, K. Holeck, J. Holden, and M. Connerton. Is Bythotrehpes abundance driving recent increases in Lake Ontario Alewife weight-at-age?


*Wixom, S. Emphasis on the expansion of fisheries definition to include important nonconsumptive resources.
Special thanks to numerous individuals and businesses that helped make this meeting possible!

Awestruck Ciders
Baxter House Outfitters
Brooks BBQ
Cara Ewell Hodkin
Catskill Brewery
Conroy's Bait Supply
Cooperstown Beverage Exchange
Cornell Chapter of the American Fisheries Society
Dan Sinopoli
Dinosaur BBQ
Field and Stream
Flying Arrow Sports
Greg Kozlowski
HallTech
Icewell Livewells
John Cooper
Karin Limburg
Kelly Farm & Garden
Les Resseguie
Midwest Lake Management, Inc.
Morrisville State College Brewhouse
Mr. Heater
Museum of Science and Technology
Oak Orchard Canoe
Ommegang
Otesaga Resort Hotel
Otsego Lake Association
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PondBoss
Ron Urban
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Roscoe Beer Company
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Sportsman's Adventures
Stagecoach Coffee
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Vexilar
Vortex Optics
Zach Davis