

**The President, Chairman and Director of the  
Freshwater Biological Association present:**

**The FBA Annual Scientific Meeting 2012  
10 - 11 July 2012**

University of Glasgow, Glasgow, Scotland, UK

**PROGRAMME**

**Tuesday 10 July**

Registration

Scientific Meeting

*Chairs:*

<i>C Spray</i>	<i>Session 1</i>
<i>L May</i>	<i>Session 2</i>
<i>P Shaw</i>	<i>Session 3</i>
<i>P Lang</i>	<i>Session 4</i>

**Wednesday 11 July**

Scientific Meeting

*Chairs:*

<i>E Y Haworth</i>	<i>Session 5</i>
<i>A Crowden</i>	<i>Session 6</i>
<i>M Dobson</i>	<i>Session 7</i>

*including the*

**FBA Annual General Meeting, 11 July, at 12:00 Noon in the  
Kelvin Building, University of Glasgow**

***Note: the meeting will be preceded on 9 July 2012 by a tour and  
reception at the Scottish Centre for Ecology and the Natural  
Environment (SCENE), Rowardennan, Loch Lomond.***

# FBA Annual Scientific Meeting 2012

## PROGRAMME

### Tuesday 10 July

09:00 – 10:00	<b>Registration</b>
10:00 – 10:10	<b>Welcome – Michael Dobson</b>
<b>Session 1</b> 10:10 – 10:50	<b>PLENARY 1: Conservation of fish in Scotland's lochs and rivers</b> <u>Maitland P.S.</u> Fish Conservation Centre
10:50 – 11:10	<b>Potential impacts of small-scale hydroelectric power generation on downstream moving lampreys</b> <u>Bracken F.S.A.</u> Durham University
11:10 – 11:30	<b>Adhesive mechanisms in endangered European whitefish (<i>Coregonus lavaretus</i>) eggs aid survival in high energy spawning grounds</b> <u>Murray D., Bain M.M. and Adams C.E.</u> University of Glasgow
11:30 – 12:00	<b>Coffee</b>
<b>Session 2</b> 12:00 – 12:20	<b>The biodiversity of natural and artificial upland blanket peat bog pools</b> <u>Ramchunder S.J., Brown L.E. and Holden J.</u> University of Leeds
12:20 – 12:40	<b>Reedswamp within the Lake District (UK): a surprisingly diverse and dynamic habitat</b> <u>Rushworth G.</u> (1,2), Dobson M. (2) and Brown L.E. (1) (1) University of Leeds; (2) Freshwater Biological Association
12:40 – 13:00	<b>Local and landscape scale influences on the water quality and biodiversity of urban ponds</b> <u>Thornhill I.A.G.</u> (1), Ledger M.E. (1), Batty L.C. (1) and Friberg N. (2,3) (1) University of Birmingham; (2) The James Hutton Research Institute, Craigiebuckler; (3) Aarhus University, Denmark
13:00 – 14:00	<b>Lunch</b>
14:00 – 14:30	<b>POSTER SESSION</b>

# FBA Annual Scientific Meeting 2012

## PROGRAMME

### Tuesday 10 July Continued...

<b>Session 3</b>	<b>How do you solve a problem like herbivory?</b>
14:30 – 14:50	<u>Wood K.A.</u> (1,2), Stillman R.A. (2), Daunt F. (1) and O'Hare M.T. (1) (1) Centre for Ecology and Hydrology; (2) Bournemouth University
14:50 – 15:10	<b>Some internal dynamics of re-forming river communities</b> <u>Dodd J.A.</u> and Adams C.E. University of Glasgow
15:10 – 15:30	<b>River management plans in response to climate driven environmental change</b> <u>Walker K.</u> , Constantine J., Ormerod S. and Whitmarsh L. University of Cardiff
15:30 – 15:50	<b>Non-native crayfish in Scotland</b> <u>Gladman Z.</u> (1), Adams C. (1), Bean C. (2), Long J.(3) and Yeomans W. (4) (1) University of Glasgow; (2) Scottish Natural Heritage; (3) Scottish Environment Protection Agency; (4) Clyde River Foundation
15:50 – 16:20	<b>Coffee</b>
<b>Session 4</b>	<b>Restoration and recovery of Loch Leven, a shallow eutrophic lake in lowland Scotland</b>
16:20 – 16:40	<u>May L.</u> , Carvalho L., Spears B., Carss D. et al Centre for Ecology and Hydrology, Edinburgh
16:40 – 17:00	<b>Climate change winners and losers: how some UK lake species may be affected in the future</b> <u>Elliott J.A.</u> Centre for Ecology and Hydrology, Lancaster
17:00 – 17:20	<b>Monitoring mass populations of toxic Cyanobacteria in lakes using airborne and satellite remote sensing</b> <u>Hunter P.D.</u> , Riddick, C.A. and Tyler A.N. University of Stirling
17:20 – 17:40	<b>Manchester docks to Salford Quays: 25 years of habitat management</b> <u>Mansfield R.</u> (1), Hendry K. (2) and White K. (1) (1) University of Manchester; (2) APEM Ltd
18:00 – 19:00	<b>A PROPOSED FORUM FOR STUDENT MEMBERS</b> Open meeting and discussion for current students and recent graduates on improving the FBA as a membership organisation for students.

# FBA Annual Scientific Meeting 2012

## PROGRAMME

### Wednesday 11 July

08:30 – 09:00	<b>Registration</b>
<b>Session 5</b> 09:00 – 09:40	<b>PLENARY 2: Acid Waters Monitoring Network to Upland Waters Monitoring Network: tracking water quality and biodiversity in the Uplands</b> <u>Battarbee R.W.</u> and Shilland E.M. University College London
09:40 – 10:00	<b>Fine scale spatial - temporal variability in headwater benthic diatom assemblages: implication for biomonitoring</b> <u>Snell M.</u> (1), Barker P. (1), Surridge B. (1) and Large A. (2) (1) Lancaster Environment Centre, Lancaster University; (2) Newcastle University
10:00 – 10:20	<b>Environmental drivers of benthic diatom communities in a major Scottish river</b> <u>Lang P.</u> and Krokowski J. Scottish Environment Protection Agency
10:20 – 10:50	<b>Coffee</b>
<b>Session 6</b> 10:50 – 11:10	<b>Methane-derived carbon in stream food webs</b> <u>Sampson A.</u> , Hildrew A.G., Grey J. and Woodward G. Queen Mary University of London
11:10 – 11:30	<b>Predicting variation in the stable isotope composition of a lake food web</b> <u>Smyntek P.M.</u> (1,2), Grey J. (1) and Maberly S.C. (2) (1) Queen Mary University of London; (2) Centre for Ecology and Hydrology, Lancaster
11:30 – 11:50	<b>Phosphorus and flow in the headwaters of the River Itchen</b> <u>Shaw P.J.</u> , Leung A., Clarke D. and Smallman D.J. University of Southampton
11:50 – 12:00	<b>Break</b>
12:00 – 13:00	<b>FBA Annual General Meeting</b>
<b>Session 7</b> 14:00 – 14:40	<b>PLENARY 3: Rapid evolutionary divergence in fish in the post-glacial lakes of Scotland</b> <u>Adams C.E.</u> University of Glasgow
14:40 – 15:00	<b>Closing Remarks and Finish - Michael Dobson</b>

# FBA Annual Scientific Meeting 2012

## Poster Presentations

(In alphabetical order with presenters underlined)

1.	<b>Effects of heavy metal pollution in a Clyde headwater</b> <u>Bruns M.</u> (1), <u>Glen K.</u> (1), <u>McColl D.</u> (2) and <u>Yeomans W.E.</u> (2) (1) University of Glasgow; (2) The Clyde River Foundation
2.	<b>Potential impacts of <i>Dikerogammarus villosus</i>, “the killer shrimp”, in the UK</b> <u>Dodd J.A.</u> (1), <u>Aldridge D.C.</u> (1), <u>Alexander M.</u> (2) and <u>Dick J.T.A.</u> (2) (1) University of Cambridge; (2) Queen’s University, Belfast
3.	<b>Eutrophication assessment of Elterwater (Cumbria): from past to future</b> <u>Ellaway J.</u> , <u>Defew, L.</u> and <u>Atkin, H.</u> APEM Ltd
4.	<b>From primary school to PhD – the Clyde River Foundation and Freshwater Biological Education</b> <u>McGillivray C.</u> , <u>McColl D.</u> , <u>Gregg L.</u> and <u>Yeomans W.E.</u> The Clyde River Foundation
5.	<b>Celebrating 100 years of the Fritsch Collection of Algal illustrations</b> <u>Haworth E.Y.</u> Freshwater Biological Association
6.	<b>Research in freshwater ecology in Jamaica: an overview of the past 15 years of research</b> <u>Hyslop E.</u> University of the West Indies, Jamaica
7.	<b>Freshwater phytoplankton species new to Scottish lochs</b> <u>Lang P.</u> , <u>Krokowski J.</u> , <u>Ross N.</u> and <u>Doughty R.</u> Scottish Environment Protection Agency
8.	<b>Ecological implications of low head micro-hydropower</b> <u>Leonard C.A.</u> , <u>Maltby L.</u> and <u>Warren P.H.</u> University of Sheffield
9.	<b>The bullhead (<i>Cottus gobio</i> L.) in Scotland</b> <u>Yeomans W.E.</u> (1), <u>McColl D.</u> (1) and <u>Baird J.</u> (2) (1) The Clyde River Foundation; (2) Fisheries Society of the British Isles Intern
10.	<b>The return of salmon to the Clyde</b> <u>Yeomans W.E.</u> , <u>McGillivray C.</u> , <u>McColl D.</u> and <u>Gregg L.</u> The Clyde River Foundation

# FBA Annual Scientific Meeting 2012

## Poster Presentations Continued...

(In alphabetical order with presenters underlined)

11.	<b>Riverfly monitoring initiative. Public engagement and river water quality monitoring</b> <u>Peacock B.</u> (1), <u>Kitchen L.</u> (1), <u>Macadam C.</u> (2) and <u>Dobson M.</u> (3) (1) The Riverfly Partnership; (2) Buglife – The Invertebrate Conservation Trust, Riverfly Recording Schemes; (3) Freshwater Biological Association
12.	<b>Discovery of a “lost” book manuscript: Ferox and Arctic charr in the Lochs of Scotland – Part 2</b> <u>Maitland P.S.</u> and <u>Adams C.E.</u> University of Glasgow
13.	<b>Using lake sediments to establish restoration targets for the Windermere catchment, Lake District, UK</b> <u>Moorhouse H.</u> , <u>McGowan S.</u> and <u>Jones M.</u> University of Nottingham
14.	<b>Assessing the effects of red mud pollution in Kinghorn Loch (Fife, Scotland)</b> <u>Olszewska J.</u> (1,2), <u>Spears B.</u> (1), <u>McDonald C.</u> (1), <u>Edwards R.</u> et al (1) Centre for Ecology and Hydrology, Edinburgh; (2) University of Edinburgh
15.	<b>Extremely high sound pressure level from a pygmy aquatic insect</b> <u>Windmill J.F.C.</u> (1), <u>Mackie D.</u> (1) and <u>Sueur J.</u> (2) (1) University of Strathclyde; (2) Muséum national d’Histoire naturelle