

of Pennsylvania Taeniopterygidae and Capniidae. Also, in conjunction with the Pennsylvania Biological Survey (PABS) I have developed state conservation rankings for all Pennsylvania stonefly species based on NatureServe's global rankings for use with the Pennsylvania Natural Heritage Program. I am also participating in meetings with PABS to adopt criteria for state conservation rankings for other Pennsylvania aquatic invertebrates.

ARTICLES

Ian McLellan's collection of Plecoptera now at New Zealand Arthropod Collection (NZAC), Auckland

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Ian McLellan passed away on 28 November 2008 after a short illness (Patrick & Pawson 2009). Ian was a Research Associate of Landcare Research (previously Entomology Division, DSIR, Nelson then Auckland) and it was agreed, and stated in his will, that his collection was to be deposited with the New Zealand Arthropod Collection (NZAC) at Landcare Research, Auckland. From the mid-1960s Plecoptera specimens collected by NZAC researchers were sent routinely to Ian to study at his Westport home. This note is to record that in February 2011 Ian's collection was received at NZAC, Auckland.

Ian's Plecoptera collection consists of some 3530 tubes of ethanol-stored New Zealand specimens identified to species plus about 300 tubes of specimens from other countries. The collection is in good condition, and currently housed in 2 metal filing cabinets, each with 11 drawers about 250 mm wide, 360 mm long, and 80 mm deep. The New Zealand Plecoptera material is contained in 14 drawers. Cardboard dividers are in each drawer to separate tubes of different species. Holotypes are in this collection: in Ian's publications the holotypes are stated to be deposited at NZAC (earlier DSIR), but it was agreed by NZAC that Ian could look after them in his collection while he was actively researching the group.

Shortly before his death, in a project with Dr. Steve Pawson of Scion, Christchurch, Ian provided information on New Zealand's Plecoptera for the website www.stoneflies.org.nz. As part of this project, each tube in his collection with a New Zealand species had a NZAC barcode label added, and then the collecting details (including georeferencing data) were recorded in Excel spreadsheets alongside records from other collections. The significance of Ian's collection is shown by the fact that it contains about half the total number of Plecoptera records for all New Zealand collections. A spreadsheet of the collecting details for any New Zealand stonefly species now can be downloaded by anyone from the website.

In addition to the Plecoptera, Ian's collection contains several hundred tubes of various Diptera families, particularly Thaumaleidae, Empididae, and Blephariceridae.

Literature Cited

Patrick, B. and S. Pawson. 2009. Obituary. Ian Dudley McLellan 1924–2008. *New Zealand Entomologist* 32: 91–94. [PDF available <http://www.ento.org.nz/nzentomologist/>]

Pawson, S. and I. D. McLellan. 2007. Stoneflies of New Zealand. www.stoneflies.org.nz [accessed 15 March 2011].



McLellan Cabinets



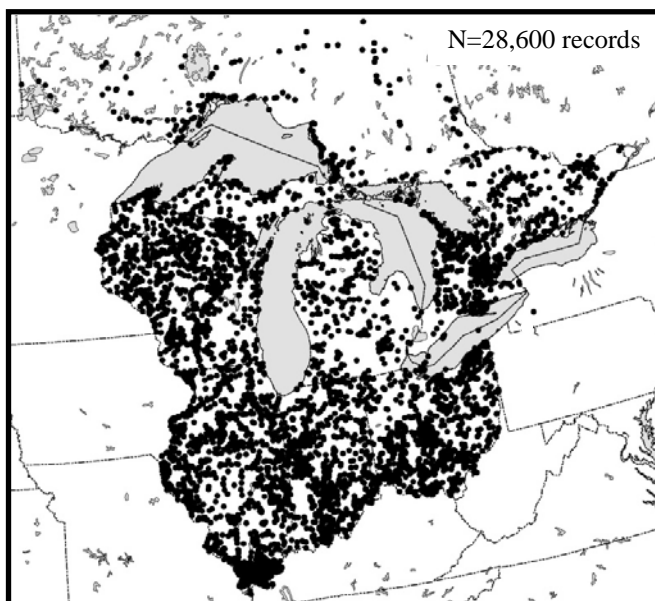
A typical drawer in the McLellan Cabinet

Modeling Presettlement Range of Stoneflies in Midwest, USA and Canada

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We have assembled a team of taxonomists, ecologists, GIS specialists, and students to work on a USA National Science Foundation funded project to model the natural range of up to 160 species of stoneflies inhabiting a portion of the Midwest of USA



and Canada. Species records come from museum specimens from 22 regional institutions and from trusted literature records. Most specimens were re-examined, label data were digitized and a unique identifier associated with each pin or vial. Georeferencing was conducted to whatever level the data permitted. Modeling is being conducted at the

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