



THE
CARPENTRIES

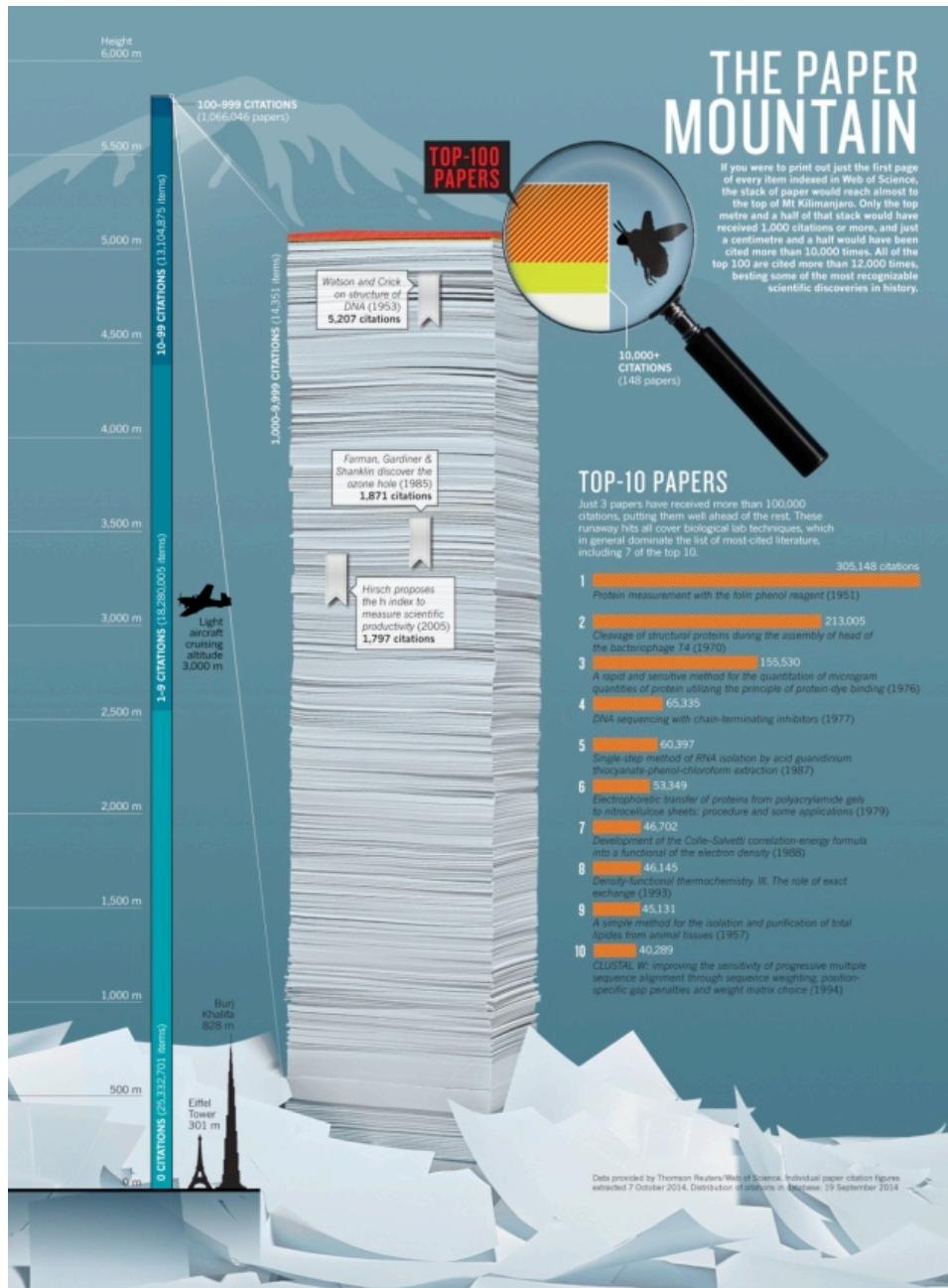
invites you to its inaugural conference

CARPENTRY CON 2018

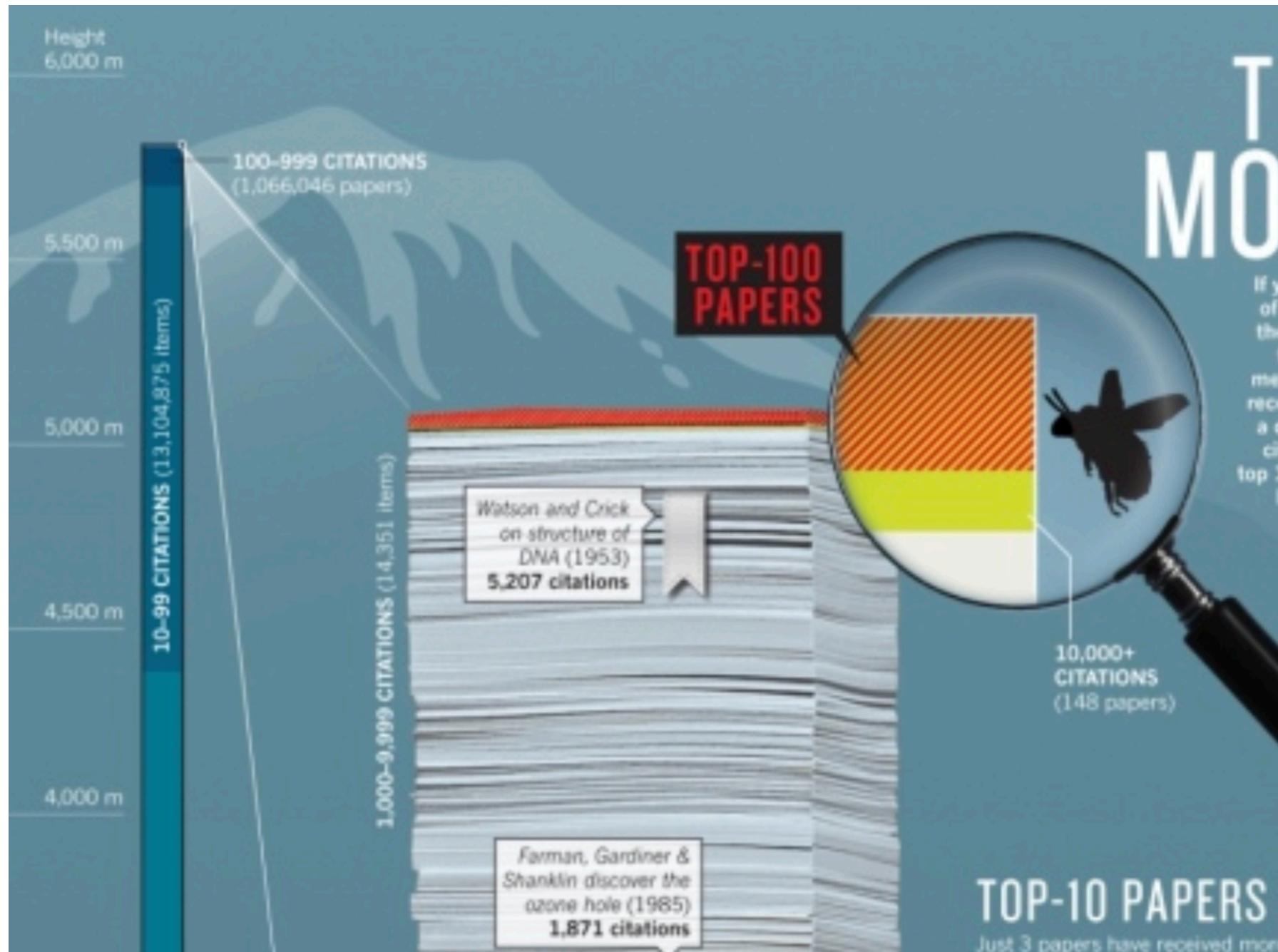
May 30 - June 1, 2018

Building Locally. Connecting Globally.

Software, Bug & Community



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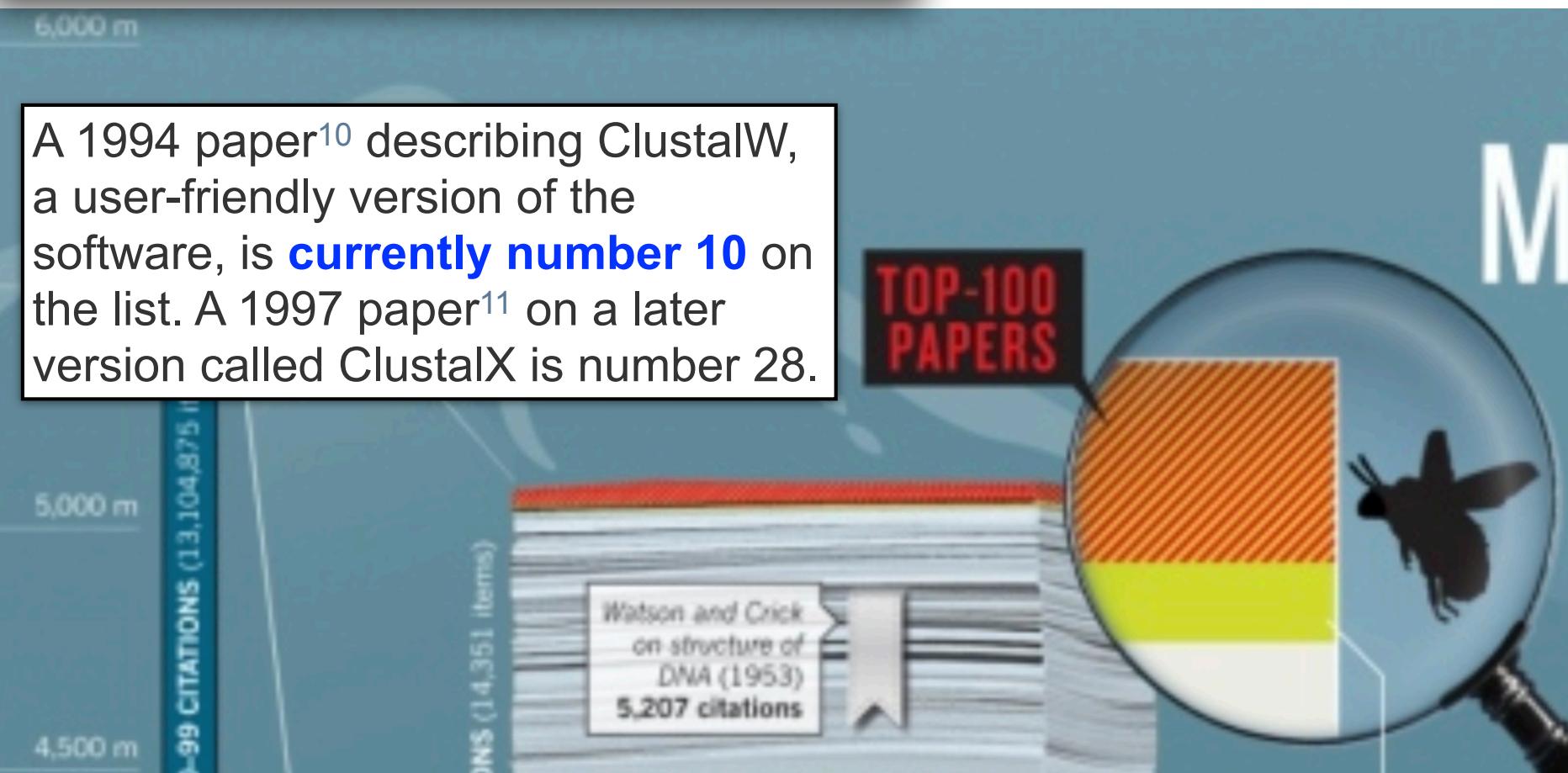
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CLUSTAL: a package for performing multiple sequence alignment on a microcomputer

Desmond G. Higgins , Paul M. Sharp

Department of Genetics, Trinity College, Dublin 2 Ireland

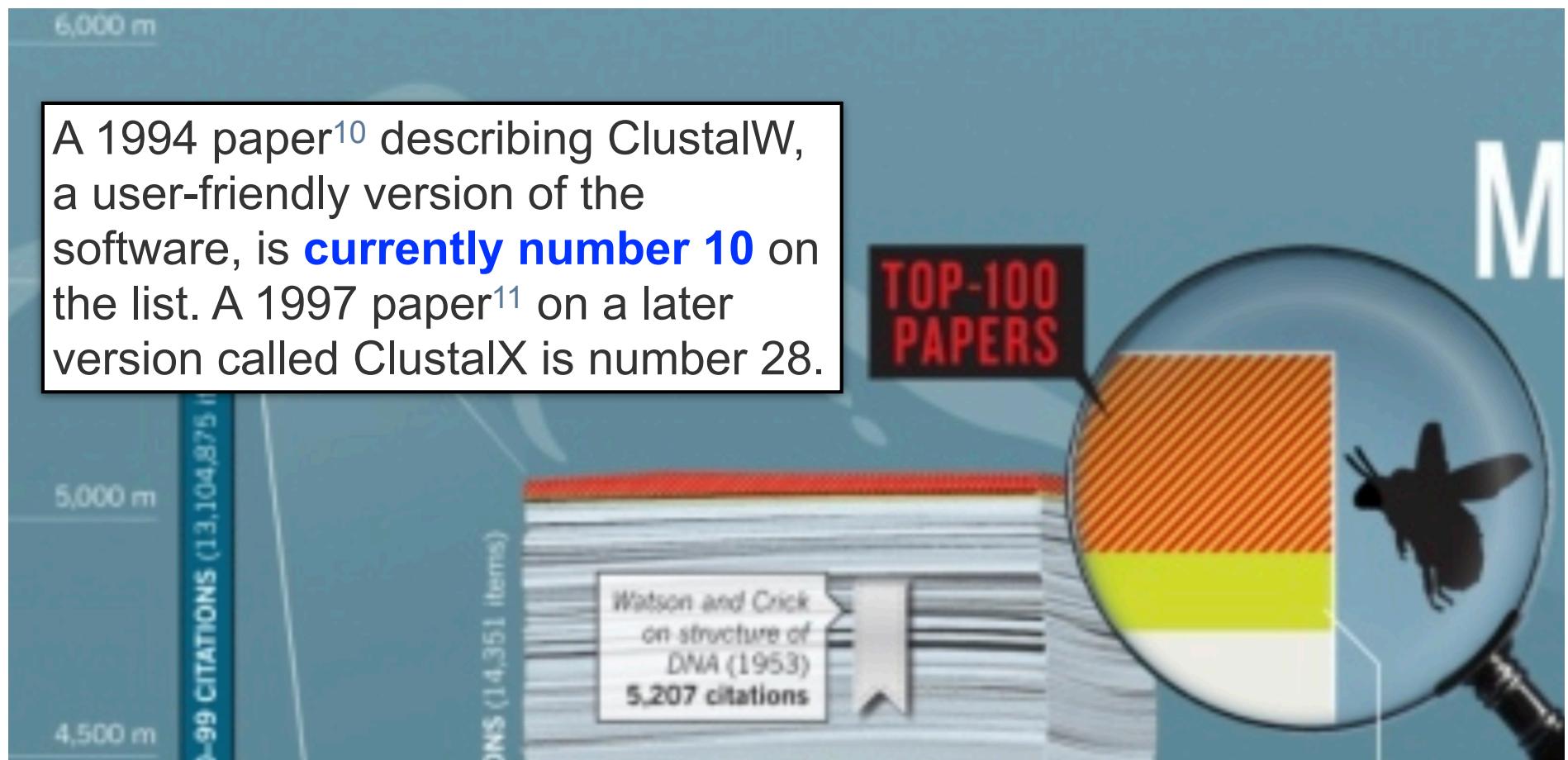
Received 17 July 1988, Accepted 4 August 1988, Available online 16 January 2003.



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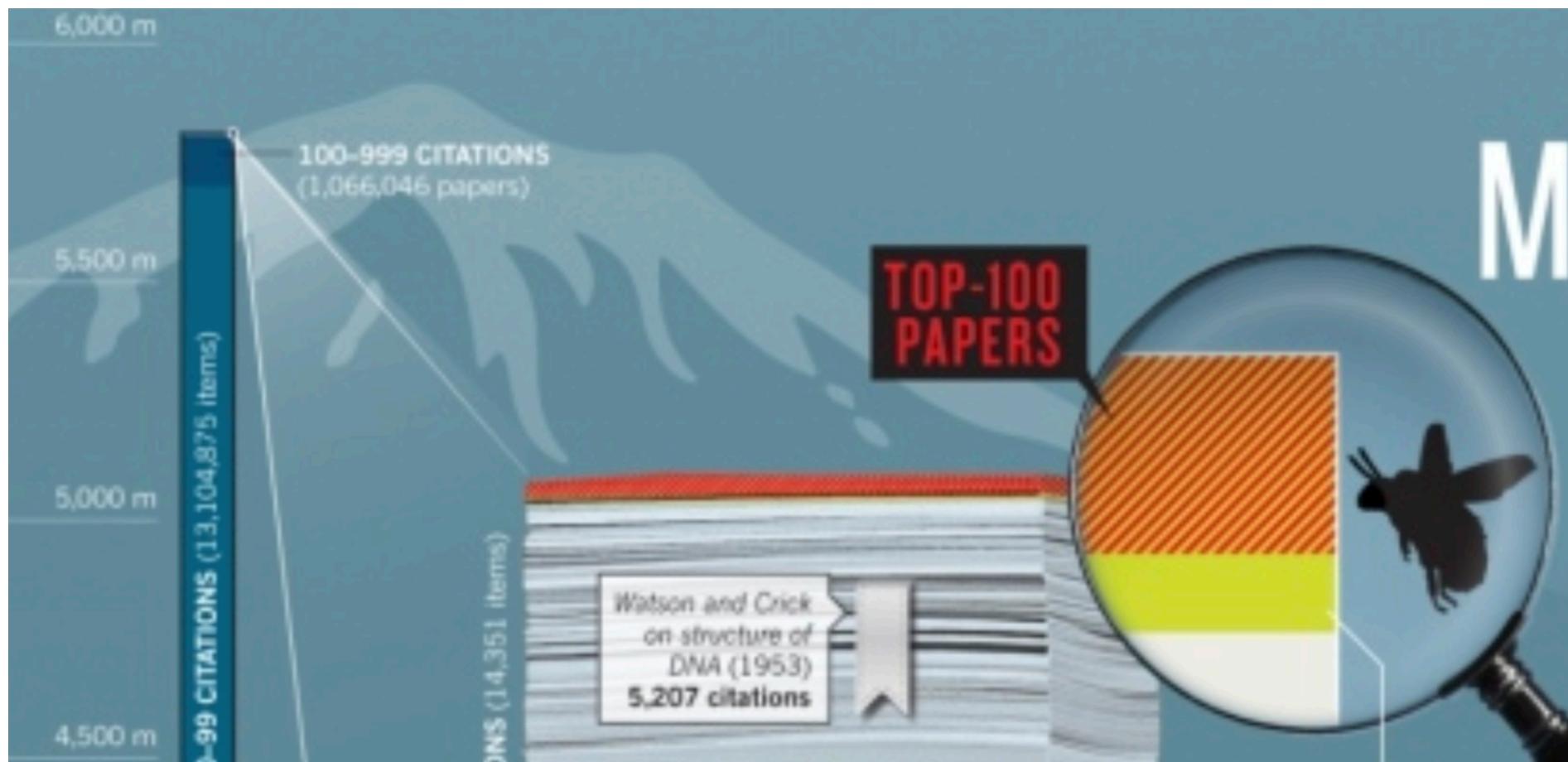
"Well, I know that Des was playing all the time cristal-quest chasing crystals and clustals in this game. Later it seems that this crept into his favorite software with its name, clustal."

- Prof. Thomas Dandekar



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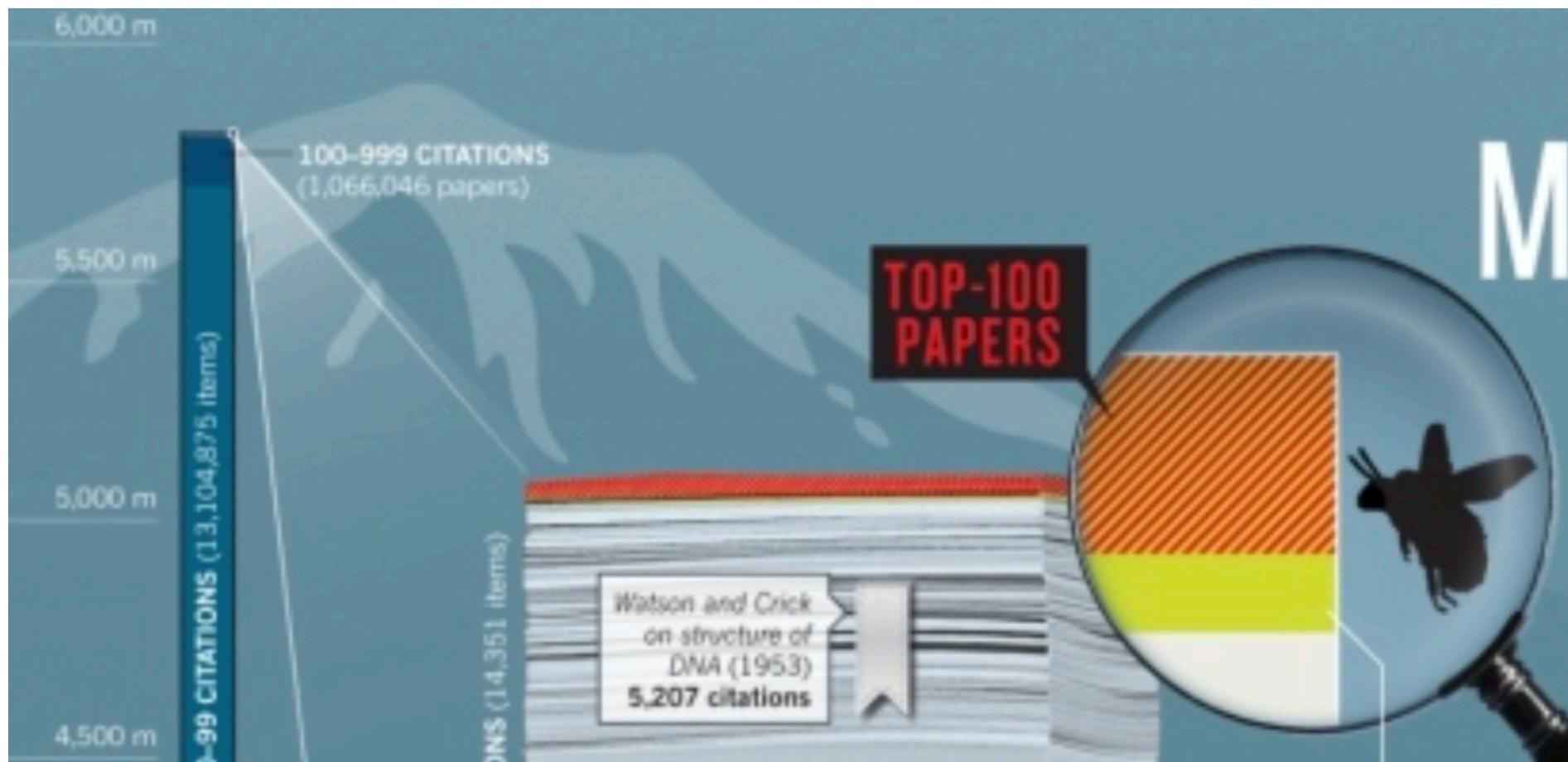
There are several kinds of bugs Des can talk about:



Software, Bug & Community

There are several kinds of bugs Des can talk about:

- Software
- Jazz!
- ...



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Bull. Ir. biogeog. Soc. No. 8.

INVERTEBRATES OF IRISH MIDLANDS RAISED BOGS: PART I. ARANEAE, OPILIONES,
CHILOPODA.

Desmond G. Higgins

Introduction

This is the first of a series of short papers on the invertebrate fauna of five Irish raised bogs, some of which are considered to be of international importance, as sub-atlantic raised bogs are now almost absent in Western Europe (Schouten, 1981). In Ireland, their exploitation has been intense in the last three decades, as peat has provided up to 20% of fuel for power generation. The large raised bogs, with peat depths up to 10m, are very

Graduated in 1981 with a primary degree in Botany
and in 1988 with a PhD in insect taxonomy

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INVERTEBRATES OF IRISH MIDLANDS RAISED BOGS: PART I. ARANEAE, OPILIONES,



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considered to be of international
importance, as sub-tropical raised bogs are now almost absent in Western

Discussion

Forty three spiders, two harvest spiders and three centipedes were recorded, of which the spiders - Gongylidiellum latebricola and Meioneta beata are recorded for the first time as being Irish (Table 2).

Considering the amount of effort put into collecting this is a surprisingly small number of species. The Irish distribution of spiders is still poorly known, and for most of the species listed here, midlands records are few.

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Recognized for his significant work in bioinformatics community & its open movement

- Past winner of the Motoo Kimura prize for molecular phylogenetics (2016)
- Benjamin Franklin Award for Open Access in the Life Sciences (2018)



Picture by Toby Gibson (90s) at European
Bioinformatics Institute, EMBL, UK

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- Benjamin Franklin Award for Open Access in the Life Sciences (2018)
- [Speaker at the first CarpentryCon](#) (May 31, 2018)



***The Clustal Package Since the Late 1980s:
Carpentry with Duct Tape and Six Inch Nails***

Picture by Toby Gibson (90s) at European
Bioinformatics Institute, EMBL, UK