

CBKA One-Day Seminar 2020

# Bees, Forage, Pollination and Sustainability

Saturday 7 March 2020, 9.15am – 4pm  
Storey's Field Centre, Eddington Avenue, Cambridge CB3 1AA

Tickets  
available now!  
[www.cbka.org.uk/  
one-day-seminar](http://www.cbka.org.uk/one-day-seminar)

Lectures • Discussion session • Trade stand • Northern Bee Books

Programme	
9.15am	Registration and coffee; trade stands open
10.00am	Meeting begins; welcome and introduction from CBKA Chairman
10.05am	<i>Planting for bee forage</i> <b>Norman Carreck</b>
11.05am	<i>The science of pollination</i> <b>Hamish Symington</b>
11.50am	Lunch; trade stands open
1.30pm	<i>Investigating the foraging preferences of honeybees using DNA techniques</i> <b>Laura Jones</b>
2.20pm	<i>Sustainable bees and queens for everyone</i> <b>Roger Patterson</b>
3.10pm	Discussion and questions
4.00pm	Vote of thanks and end of meeting

The format of this meeting, with four lectures and a discussion session, is similar to previous years. Please see map and details of how to get there and information concerning parking and transport.

**The ticket price of £30 includes lunch and light refreshments.**

The closing date for booking is Friday 28 February 2020.

A trade stand from The Bee Shed will sell appliances, wax and frames.

Please call if you have a large, specific or unusual order (07889 112399).

We will also have a book stall with books from Northern Bee Books.

## Speaker Profiles



**Norman Carreck**  
*Planting for bee forage*

Bees co-evolved with flowering plants to use nectar and pollen as their only food source. Changes in land use since the Second World War have, however, reduced both the quantity and diversity of forage available for bees. This talk will cover experiments over the last 25 years to test forage mixtures for bees in farmland and more recent work at Sussex University on garden plants for bees. The COLOSS CSI Pollen project involved beekeepers in many European countries regularly trapping pollen to determine the diversity of forage sources throughout the season and in different locations. This has led to the current INSIGNIA project (<https://www.insignia-bee.eu/>) which aims to relate bee exposure to pesticides to the crops on which they are foraging.



**Hamish Symington**  
*The science of pollination*

Pollination is essential for the survival of many plants, and 35% of global food production by volume comes from crops that depend on animal pollination to some extent. This talk will look at the 'why' and 'how' of pollination: what's the point of it, and how does it actually work? Additionally, the talk will examine the strategies used by plants to attract pollinators - look and feel, smell, colours and more. Finally, research being undertaken in the Department of Plant Sciences at Cambridge University will be discussed which uses painstaking measurements and bumblebee experiments with model flowers to help improve the pollination of crop plants, and thus our ability to produce food.



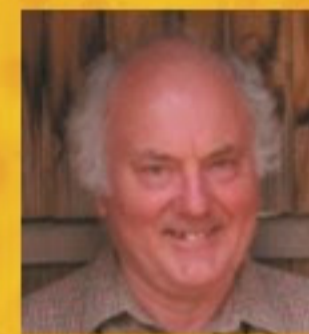


## Speaker Profiles



### **Laura Jones** *Investigating the foraging preferences of honeybees using DNA techniques*

The National Botanic Garden of Wales researches the foraging preferences of pollinating insects, which is vital to providing appropriate floral resources and mitigating pollinator declines. To track which plants pollinators are visiting, the research uses pollen DNA from honey or pollen loads for identification. The results from Laura's PhD research will be presented, where the foraging of honeybees was investigated using hives based in the diverse landscape of the National Botanic Garden of Wales, as well as using honey samples from beekeepers across the UK.



### **Roger Patterson** *Sustainable bees and queens for everyone*

There is growing support for locally produced bees and queens to discourage imports. This talk will show that by using simple, well-tryed techniques and little or no extra equipment it is easy to produce bees and queens from local stocks at the same time as producing honey. It will also help beekeeping associations produce bees and queens for their members.

Registration starts at 9.15 am (when there will also be coffee and a chance to browse the trade and book stands). There will be plenty of time for lunch, and around 50 minutes' discussion of the day's topics before the event closes at 4 pm.

**For more information about this event contact [david.abson01@gmail.com](mailto:david.abson01@gmail.com) or call 01223 834 620**



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