

6th January 7.30pm **NORTHERN NORWAY** by Kevin Rowley. The weather will probably be freezing and Kevin will make us even colder by treating us to an arctic travelogue with examples of the insects he found.

20th January 7.30pm **MAKING SLIDES OF EVERYDAY MATERIALS** Different materials often need slightly different treatment. We shall look at various everyday items and decide how best to make a preparation of the item or substance for studying under the microscope.

3rd February 7.30pm **HYMENOPTERA** by Ian Wilson. The wasps, bees, ants and sawflies are a huge group of fascinating insects. This includes some which live in huge colonies as well as many which are solitary. We will look at their behaviour and structure before putting some under the microscope to learn more.

17th February 7.30pm **OPTICAL SYSTEMS (PC, DIC, DG ETC)** by Mike Asquith and colleagues. An evening to learn what the jargon means and explore the various ways in which the microscope can be used for 'creative' image formation.

3rd March 7.30pm **NUCLEATION AND CRYSTALLISATION** We follow crystallisation as it happens under the microscope. Bring polarising filters and a microscope camera if you have them.

17th March 7.30pm **PROTOZOA / AMOEBA** by Ian Wilson. The title is rather vague as it's hard to know exactly what we will find at any particular time of year. We will talk about the various groups of single cell freshwater protists before looking in water samples to see what we can find. If you have a source of water which looks promising bring some along.

14th April 7.00pm – 9.00pm **150TH ANNIVERSARY EVENT MOSS SAFARI** Discover the microscopic world of tiny animalcules that live in ordinary garden moss. This Zoom talk, presented by the author and Brighton University lecturer Dr. Andy Chandler-Grevatt, will be followed by a short hands-on session using our microscopes and moss samples. Join us at the Humphrey Rooms in the company of other members, or check out our website at www.nnhs.info/What's-On/ for more details and the Zoom link. Guests are very welcome at the rooms, but need to email microscopy@nnhs.info so that arrangements can be made to include them in the following practical session.

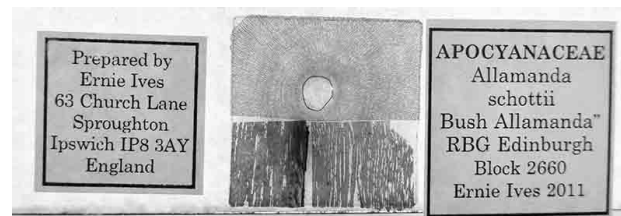
21st April 7.30pm **INSECT PARTS IV – INSECT REPRODUCTIVE ORGANS:** by Kevin Rowley. Part IV of Kevin's series on insect anatomy deals with the all-important

reproductive organs. The use of the microscope is often the only way to determine the exact species and sex of insects.

5th May 7.30pm **GERMINATION** by Mike Asquith. What happens when a seed germinates? Mike will bring some slides of germinating seeds and some examples for you to examine under the microscope.

19th May 7.30pm **BACTERIA** by Ian Wilson. Life on earth is mostly bacteria. Sometimes they inconvenience us or even kill us but we couldn't live without them. We will talk about their huge variety before looking at some bacteria used in food production such as yoghurt as well as seeing what is in some hay infusions which are generally produced to provide a good source of bacteria for paramecium etc to feed on. Bring a microscope capable of phase contrast if you have it. If you can't bring one, use ours.

2nd June 7.30pm **COLLECT, BRING & DISPLAY** This is a chance for everybody to go out and collect something of microscopical interest to bring along and say a few words about it. Any item, either natural or man-made.



16th June 7.30pm **ROTIFERS PART 2** by John Smith. A more detailed look at the structure and behaviour of these tiny freshwater animals. With video footage to help you distinguish them from algae and protozoa. Please bring water or sediment samples from ponds, streams or bird baths etc to explore if you can.

5th JULY - SUNDAY 10.00am to 4.00pm.

CELEBRATION OF MICROSCOPY. A celebration of the microscopy section and its history in the NNHS in its 150th year. Please check our web site nearer the date for final details and timing. www.NNHS.info/whats-on

7th July 7.30pm **ROOTS** by Mike Asquith. Mike will look at this vital and often overlooked part of plants concentrating on Ranunculus (the buttercup family).

21st July 7.30pm **FRUIT FLIES** by Colin Brooks. Colin will describe how he has been collecting data for a national project to assess the impact of native and non-native fruit flies. An opportunity for all to explore a container of previously collected specimens to identify species and sex.

4th August 7.30pm **THINGS THAT LIVE IN LEAVES** by Ian Wilson. Leaves are the source of much of the food on earth. Going straight to the source and feeding directly on leaves can be a useful life choice. Leaf miners, mites, rusts and various galls all follow this path. We will look at how to spot interesting leaves and the life cycles of a few of the inhabitants of leaves before looking at some prepared specimens (and possibly some live material) under the microscope.

18th August 7.30pm **DAPHNIA** by John Smith. Daphnia (water fleas), by virtue of their size and the transparency of their shell, are the ideal subject for live microscope study. Tonight we will explore the results of over 250 years of research into the biology of this fascinating freshwater crustacean. Please bring a sample from your own pond or tank if you have one.

1st September 7.30pm **POLLEN** by Mike Asquith. Pollen can be a beautiful and varied subject for the microscope and making slides can be surprisingly easy. We will look at its structure and function before making slides from our own samples.

15th September 7.30pm **AN AQUATIC EVENING** by Ian Wilson. An opportunity to look at anything we can find in fresh water. Having covered protozoa in a previous meeting we might look for other things like worms, flatworms, crustaceans, fly larvae and whatever else is in our samples. Bring along a sample if you have some water with signs of life in it.

6th October 7.30pm **HOW TO GET THE BEST FROM YOUR MICROSCOPE** by Mike Asquith. A great meeting to learn how different types of optical microscopes work, and how to set up your own device up to get the best image. Guests are very welcome. No microscope? No problem, just come along to learn what to buy.

20th October 7.30pm **SEEDS** by Ian Wilson. Seeds show a considerable variation between different plant species and the intended method of dispersal. We look into the different types of seeds and their structure under the microscope.

For November / December 2026 meetings please check our web site.

Also check our website www.nnhs.info/Whats-On/ for any changes to advertised meetings.