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## SEPTEMBER 2024

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**1<sup>st</sup> Sunday 2.30pm** We will look at some of the **THE AMAZING METROLOGICAL RESOURCES ON THE WORLD WIDE WEB** which you can use to view current, past, and predicted weather conditions, or educate yourself, or others about Weather and Climate. Please bring details to share of sites and resources you like and have found useful. How do we know that presentations on YouTube and elsewhere can be trusted? **MET**

**2<sup>nd</sup> Monday 11.00am – 2.00pm** **EXPLORING THE SOCIETY'S COLLECTIONS.** The society has a number of important collections including - butterflies, shells, eggs, sands, microscope slides, rocks, minerals and Northamptonshire fossils etc. This is a great opportunity to look at our extensive collections, to draw, study them or just appreciate their beauty. Also, if you wish to assist us conserving or documenting them you would be welcome

**3<sup>rd</sup> Tuesday 7.30pm** **SHOW AND TELL EVENING.** Microscope section members and guests can bring along their latest unmissable bargain(s) bought at Microscopium (or anywhere else), or even a favourite microscope slide, or piece of related equipment to show others. **MIC**

**4<sup>th</sup> Wednesday 8.00pm** **OUR MEMBERS' PHOTOGRAPHIC SUMMER** We will view the images we took on the summer practical nights, and any images taken during the summer break that members wish to show. We will also introduce this year's Northamptonshire photo topic. **PHO**

**5<sup>th</sup> Thursday 2.30pm** **OAK APPLES AND BEDEGUARS** by Seán Karley. Commonly referred to as plant galls, they are abnormal growth(s) produced by a plant or other host under the influence of another organism. Seán will describe how to find and identify them and the cause of the more common ones. **BOT**

**9<sup>th</sup> Monday 7.30pm** **TELESCOPIC TOPICS** A meeting comprising member contributions on various astronomy themes. Your chance to show the section observations you have made, equipment you are using or anything else that has interested you enough to share it with the section. If you have a special interest and would like to participate as a speaker please let the secretary know beforehand. Guests are very welcome. **AST**

**11<sup>th</sup> Wednesday 8.00pm** **THROUGH MY VIEWFINDER** by Warren Alani in the Humfrey Rooms. An exploration of decisive moments in photography: how the perfectly timed shot can truly make a picture come to life. This talk covers a wide range of subjects including, sports, architecture, environmental and portraiture. Warren will include techniques and equipment used and relate some amazing and humorous stories about the locations and events around capturing of the images. **PHO**

**12<sup>th</sup> Thursday 2.30pm** **MOUNTS POOL 70<sup>TH</sup> ANNIVERSARY & OXFORD 1958.** Two short monochrome presentations. **GEN**

**16<sup>th</sup> Monday 11.00am – 2.00pm** **EXPLORING THE SOCIETY'S COLLECTIONS.** Please see 2<sup>nd</sup> September entry for details.

**17<sup>th</sup> Tuesday 7.30pm** **AN EVENING OF VICTORIAN MICROSCOPY** led by Mike Gibson. We will be viewing the

Victorian slides from the Society's very extensive collection, and beyond. Using period microscopes from the society collection and members own instruments. Period costume welcomed! **MIC**

**18<sup>th</sup> Wednesday 8.00pm** **UNDERWOOD CUP** A competition for members to submit pictorial images on any subject. Up to three projected images per member per round. Round 1 of 3. **PHO**

**19<sup>th</sup> Thursday 2.30pm** **THE MULL GEOLOGICAL MAP** The Mull Geological Map is one of the great feats of geological surveying and cartography. Sue Barker attended a lecture on Mull to commemorate the centenary of its publication in 1924, and she and Bob Purser will introduce a video of that Lecture which tells of the skill and commitment of those geologists and mapmakers and we can take the opportunity of looking at the map, a copy of which is in the Society's collection. **GEO**

**25<sup>th</sup> Wednesday 8.00pm** **CRITIQUING NIGHT** Members can bring in images on the night, perhaps images that they are thinking of entering into competitions to get some feedback. On the night two groups of members will critique the images and one person from each group will distil the comments. 1 of 4 similar meetings this year. Not a competition, but an opportunity to learn from our own and each other's images. **PHO**

**26<sup>th</sup> Thursday 2.30pm** **BIRDS AND FLOWERS.** A varied selection of images from our historic large slide collection taken about 100 years ago by society members. **ZOO**

**30<sup>th</sup> Monday 11.00am – 2.00pm** **EXPLORING THE SOCIETY'S COLLECTIONS.** Please see 2<sup>nd</sup> September entry for details.

**30<sup>th</sup> Monday 7.30pm** **PROBING THE TIME VARIABLE SKY ACROSS THE EM SPECTRUM** by Christopher Copperwheat of Liverpool John Moores university. One of the most interesting areas of research in modern astrophysics is the time domain: the study of the changing sky. We live in a dynamic Universe, and we see change wherever we look; from flares and eclipses in stars, to the signatures of extrasolar planets, to massive cosmic explosions like supernovae and gamma-ray bursts. I will also discuss the new field of 'multi-messenger astronomy' where for the first time we are using carriers of information such as gravitational waves to reveal phenomena that would be impossible to detect from their light alone. **AST**

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## OCTOBER 2024

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**1<sup>st</sup> Tuesday 7.30pm** **DRY MOUNTING** by Ian Wilson. Dry mounting is one of the simplest techniques in microscopy but can be used for a range of subjects and can be done with the minimum of equipment. We will make slides of cardboard, wood and glass to mount insect parts, foraminifera, shells and seeds to see if we can replicate some classic Victorian slides. **MIC**

**2<sup>nd</sup> Wednesday 8.00pm** **SELECTING IMAGES** This week we will select images for upcoming external competitions. A chance to see again the best of members recent competition entries **PHO**

**3<sup>rd</sup> Thursday 2.30pm** **SOILS** by Seán Karley. Soils are very varied and not often thought about. Seán covers what constituents make up soils, from the role of the local geology to the contribution of, and effects on plant life. **BOT**

**6<sup>th</sup> Sunday 2.30pm** Meeting subject to be announced. **MET**

**9<sup>th</sup> Wednesday 8.00pm** **CORNWALL CUP** A competition for natural history images as per PAGB rules. 2018. Up to three projected images per member per round. Round 1 of 3. **PHO**

**10<sup>th</sup> Thursday 2.30pm** **OLD IMAGES OF THE VILLAGES OF NORTHAMPTONSHIRE (PART 1)** A presentation of images from our historic large format slide collection dating from the turn of the last century taken by members of the society. **GEN**

**14<sup>th</sup> Monday 11.00am – 2.00pm** **EXPLORING THE SOCIETY'S COLLECTIONS.** Please see 2<sup>nd</sup> September entry for details.

**14<sup>th</sup> Monday 7.30pm** **ADMIRAL SMYTHE, THE TELESCOPES THAT CHANGED THE VIEW OF OUR UNIVERSE** by Rob Peeling. In 1825 he fitted out a private observatory equipped with a 5.9-inch refractor telescope at his home. He used this instrument to observe a variety over the course of the 1830s, including double stars, star clusters and nebulae. More details of his work and various telescopes will be explained. **AST**

**15<sup>th</sup> Tuesday 7.30pm** **ANTONY VAN LEEUWENHOEK AND SHOW & TELL** by Mike Gibson and All. Mike will give us some information about one of the fathers of microscopy and then we will look at anything members have bought along which might be of interest whether that's slides, books, equipment or something unexpected. Bring something to show! **MIC**

**16<sup>th</sup> Wednesday 8.00pm** **MCPF PORTFOLIO OF DIGITAL IMAGES** The MCPF Travelling Portfolio includes the award-winning entries and the best entries of the 2024 Midland Counties Photographic Federation Photofolio Exhibition. **PHO**

**17<sup>th</sup> Thursday 2.30pm** **CRETACEOUS** Climbing the Stratigraphical column, we now reach the Cretaceous and Sue Barker will introduce us to the marine environments which produced the great depths of chalk limestone outcropping from Flamborough Head to the Isle of Wight as well as the Greensands and Gault clay which lie across Beds and Herts. **GEO**

**23<sup>rd</sup> Wednesday 8.00pm** **THE OL PEJETA CONSERVANCY IN KENYA** by Glyn Edmunds. This illustrated wildlife talk has many images along with a few video clips, showing many different species of animals and birds in the Conservancy, including some animal behaviour and information about the conservancy. Join us in the Humfrey Rooms or via Zoom link on [www.nnhs.info](http://www.nnhs.info). **PHO**

**24<sup>th</sup> Thursday 2.30pm** **OLD IMAGES OF THE VILLAGES OF NORTHAMPTONSHIRE (PART 2)** A presentation of images from our historic large format slide collection dating from the turn of the last century, taken by members of the society. **ARC/HIST**

**28<sup>th</sup> Monday 11.00am – 2.00pm** **EXPLORING THE SOCIETY'S COLLECTIONS.** Please see 2<sup>nd</sup> September entry for details.

**28<sup>th</sup> Monday 7.30pm** **TELESCOPIC TOPICS** Please see meeting description for 9<sup>th</sup> September. **AST**

**30<sup>th</sup> Wednesday 8.00pm** **YOUR INTERPRETATION OF AN IMAGE** Prior to the meeting members we will be given the same photo(s) to work on at home using their favourite image editing software. Bring the results along tonight and we can compare the

changes different people have made to the supplied images. **PHO**