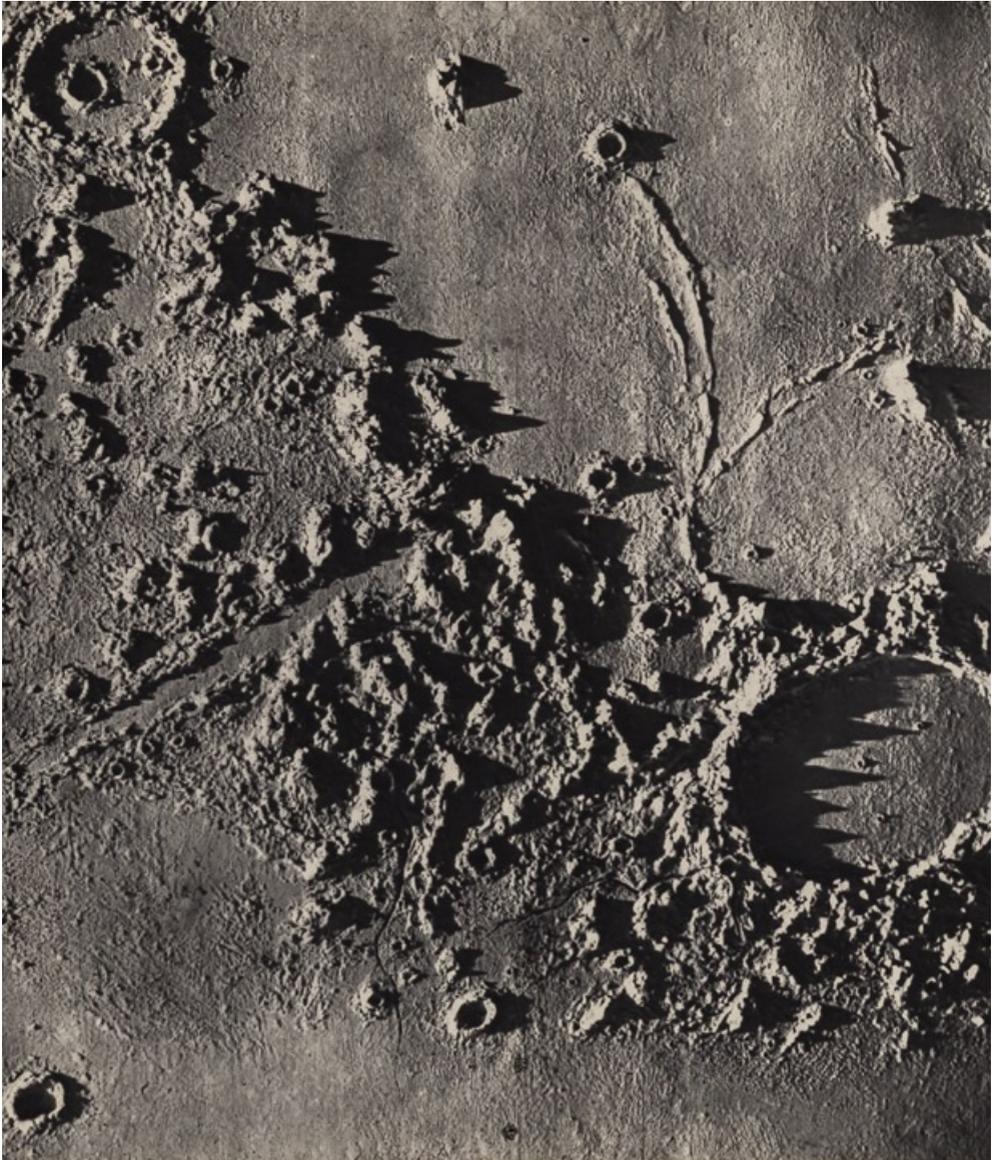




ST ANDREWS
**PHOTOGRAPHY
FESTIVAL**

Exhibitions and Events
4-27th October, 2019





ST ANDREWS PHOTOGRAPHY FESTIVAL

Exhibitions and Events
4-27th October, 2019

By nature of the process, the first photographers in Britain were scientists. Photography was born out of an innate curiosity and experimentation which was the focus of many during the 18th and early 19th centuries. Light sensitive properties of silver nitrate (AgNO_3) was discovered by Johann Heinrich Schulze (1687-1744) during experimentations undertaken in and around 1727. By the end of the 18th century, Thomas Wedgwood (1771-1805) was experimenting with silver nitrate to capture an image in a camera obscura. His experiments were unsuccessful as he was unable to 'fix' the images to make them permanent. The use of sodium thiosulphate ($\text{Na}_2\text{S}_2\text{O}_3$) was suggested by John Herschel (1792-1871) to his friend Henry Talbot (1800-1877) who had been experimenting with various salts to stabilise his photogenic drawings. Further advancements made in this paper-based process would lead to the 'calotype' positive-negative-process which was embraced by the quickly growing community of scientists-come-photographers in Scotland.

Simultaneously, two men in Paris, the inventor Nicéphore Niépce (1765-1833) and the artist, Louis Daguerre (1787-1851) were working on a completely independent process. Niépce's heliographic process creating printing plates on pewter would eventually be adapted by Daguerre to a silver-plated copper plate which would be exposed to iodine fumes and developed over heated mercury. The announcement of the daguerreotype was made in 1839, just a few years after Niépce's death.

Further experimentation in chemistry, optics and the properties of light would make significant advancements over the next decade which would make photography faster, easier and more accessible to the general public. By 1860 the science of photography was in the hands of professional photographers and by the turn of the century photography was in the hands of amateurs of all backgrounds. From the first announcement of photography a different group of scientist picked up the process to advance, document and help analyse information. Photography was identified as a tool for astronomers, biologists, botanists, geologists and doctors in their respective fields not only for documenting their experiments but also to help communicate their findings to a broader audience.

This interplay between scientific studies and the photographic medium has continued to the present day, and increasingly we are finding artist, historians and activists using the medium to educate and document the changing world around us. It is with both the historical, and contemporary relationship between Science & Photography that you are welcomed to this year's St Andrews Photography Festival.

Rachel Nordstrom
Photographic Collections Manager, The University of St Andrews Library
St Andrews Photography Festival Organiser

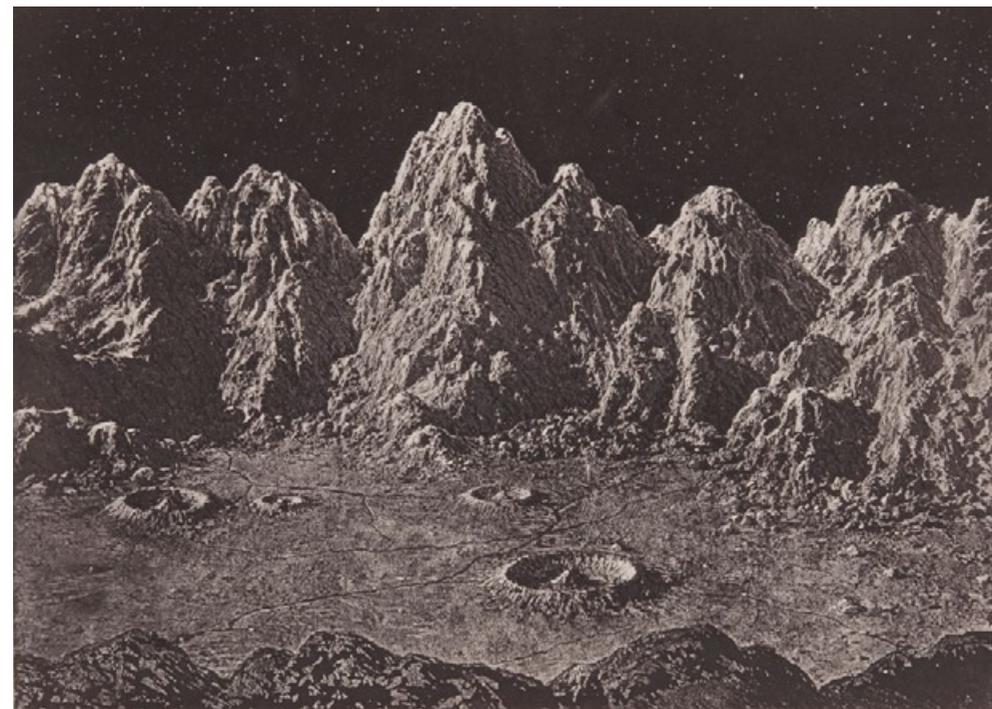


Image: The Moon, Plate XXIII and III, J Nasmyth. SAUL ID: photo QB561.N2C2



Cover Image: The Moon, Plate XIV, J Nasmyth. SAUL ID: photo QB561.N2C2

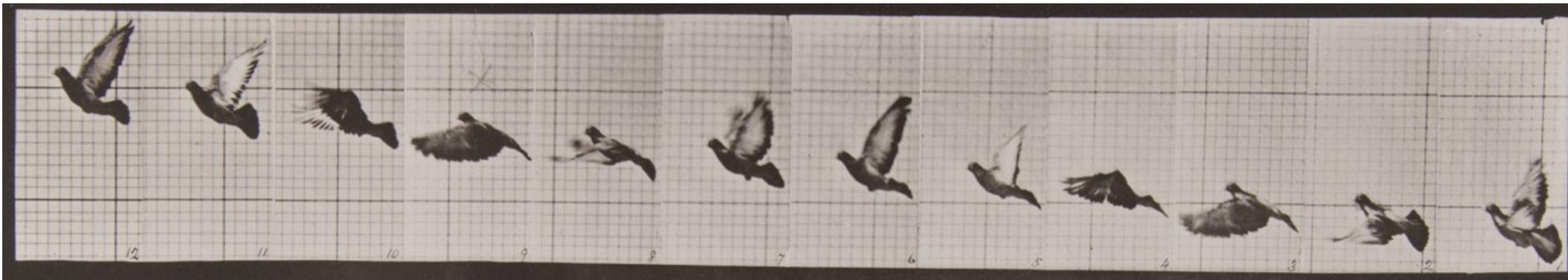
The Moon Nasmyth & Carpenter

1

Venue: Martyrs Kirk Research Library
Opening times: Mon—Fri; 09:00—17:00

The illustrative plates of this first edition of *The Moon* employ multiple different types of illustrative and early photographic reproduction techniques: engravings, woodburytypes and heliotypes (a type of collotype). These new photo-mechanical printing techniques allowed a more standard print process using permanent carbon-based inks and stream-lined the production of photographically illustrated books.



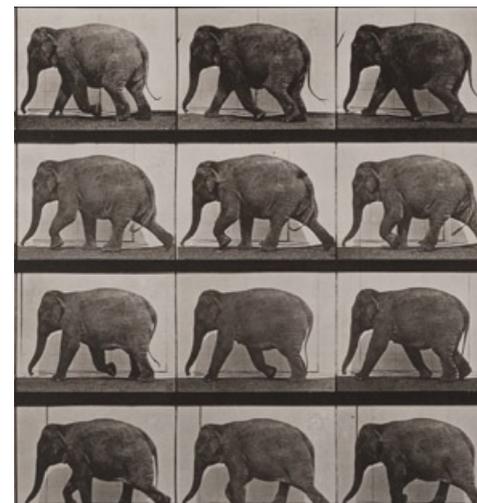
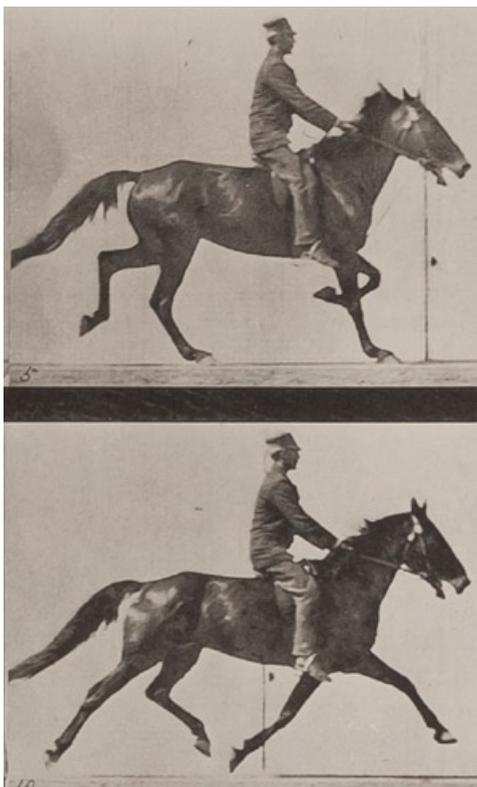


Tracing Movement: Animal Locomotion, Photography and the Emergence of Cinema

Venue: Byre Theatre
Opening times: 10:00—20:00

2

Drawing on materials from St Andrews' Special Collections, this exhibition examines how the science of animal locomotion helped to catalyse the emergence of high-speed photography and film. St Andrews was a centre for animal locomotion studies on account of the work of James Bell Pettigrew, and part of the exhibition is dedicated to uncovering Pettigrew's forgotten links with cinematographic pioneers such as Eadweard Muybridge and Étienne-Jules Marey. But the exhibition also expands thematically over four themed panels to consider the broader role of movement at stake in both the science and cinema of the early twentieth century, as well as their links to other artistic practices of the time. The exhibition showcases pages and plates from works by Pettigrew, Marey and Muybridge, as well as several excerpts from scientific and popular cinema of the early twentieth century. An accompanying brochure provides additional reflection on each of the themes covered.



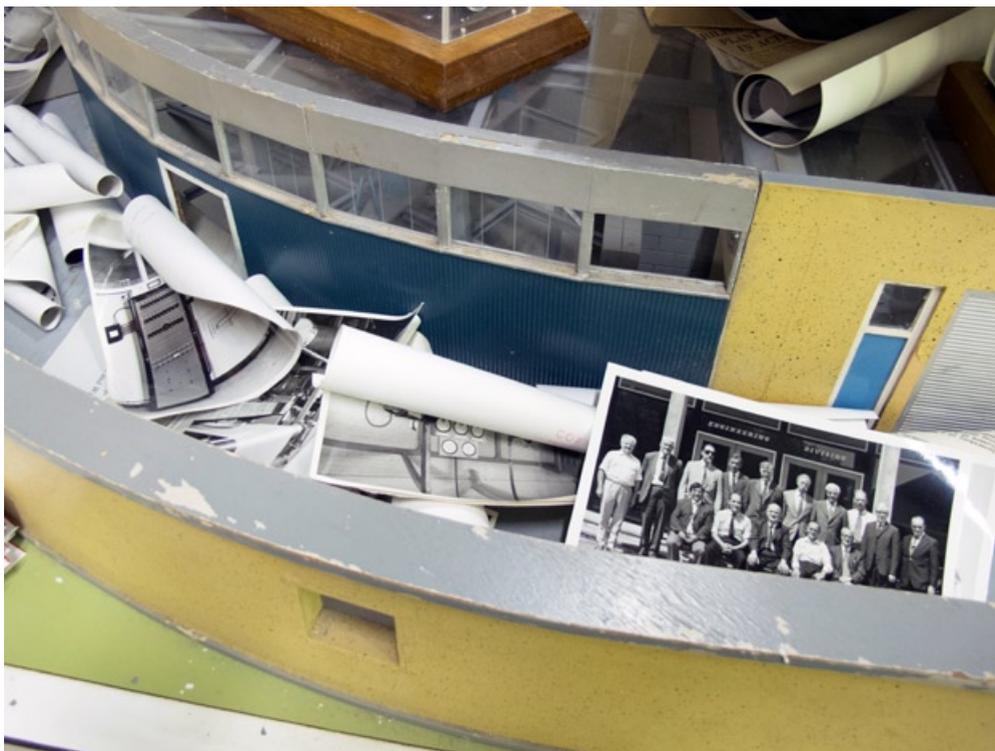
Animal Locomotion; Eadweard Muybridge

Venue: Byre Theatre
Opening times: 10:00—20:00

2

Following his pioneering work on photographing the motion of horses, Eadweard Muybridge spent the first half of the 1880s expanding and perfecting his techniques at the University of Pennsylvania. The result was a massive body of work - over 100,000 photographic images - which were distilled down into 781 plates, each recording a different movement of an animal or human. An incredible new resource for scientists and artists, the plates were offered on a subscription basis - the subscribers choosing from the catalogue at a cost of \$100 for 100 plates. The portfolio held in the Special Collections Division at the University of St Andrews consists of 99 plates, a selection of which have been reproduced for this exhibition.





Images: Gair Dunlop

Fission and recent futures; Gair Dunlop

3



Venue: Kinburn Park, Bowling Green
Opening times: 24 hours

Fission research was the future once. Britain defined itself by it, built global networks to supply and test it, and spent vast amounts of money and intelligence on it. Gair Dunlop has gained unprecedented access to Dounreay, Harwell, and other sites to explore physical traces of this nuclear research.

The original dream can be glimpsed through models, displays and archive film. The sites themselves now lie in various stages of decommissioning, secure compounds in idyllic or rugged landscapes.

The future of fission materials is being processed through a series of Irradiated Fuel Caves. Deconstructed, filtered, and stripped of highly radioactive or re-usable elements, the remains are being prepared for long-term deep storage. These cells represent the end state of some of the most expensive and dangerous material experiments ever undertaken in the UK.

Images of Knowledge: Karl Blossfeldt's Orinary Forms of Art

4

Venue: School of Art History
Opening times: Mon–Fri; 09:00–17:00

Comprising 120 photographs of plants and flowers, Karl Blossfeldt's (1865–1932) internationally best-selling photobook *Urformen der Kunst* (Orinary Forms of Art) (1928) is reminiscent of the tradition of botanical illustration and characterised by the aesthetic of German modernist photography. Using a homemade camera that could magnify the subject up to 30 times, the German photographer and sculptor created these photographs which were used as study materials for his 'Modelling from Living Plants' lectures.

What do we see in Blossfeldt's photographs of plants? Are these photographic images scientific documents or artistic representation? What kind of knowledge do photographs of tendrils and buds produce? Does the photobook's fusion of scientific observation and archetypal forms produce knowledge about specific plant specimens or about abstract formal patterns that can be found in the natural world?

Showing *Urformen der Kunst* alongside a selection of botanical illustrations from the Special Collections of the University of St Andrews, this exhibition positions Blossfeldt's work in the context of botanical illustration and examines the knowledge produced and disseminated in this photobook.

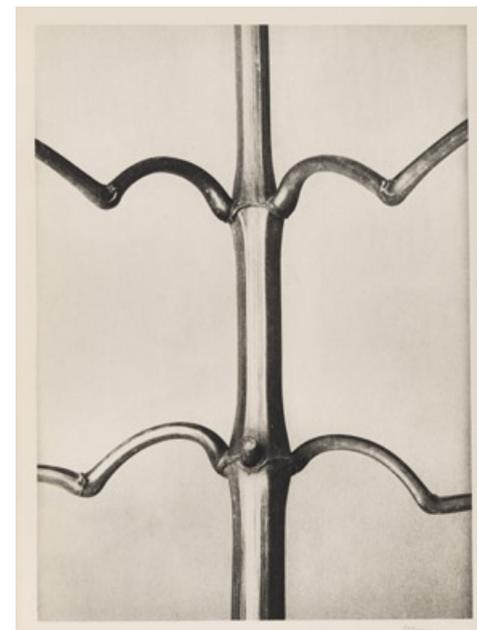


Image: Urformen der Kunst, Plate 19 and 38, Karl Blossfeldt. SAUL ID: photo NK1560.856





Image: Sean Dooley

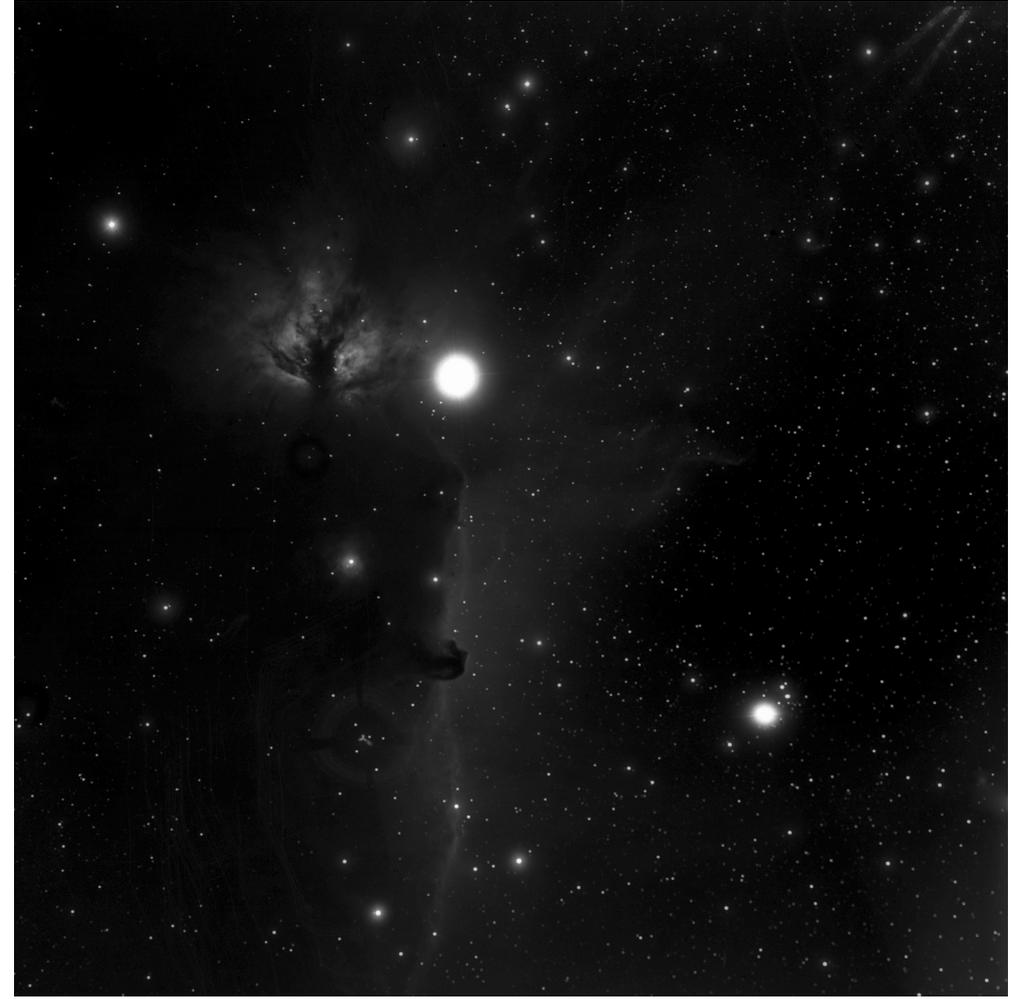
After Life; Sean Dooley

5

Venue: St Salvators Quad Gallery
Opening times: 24 hours

Natural history collections are a physical catalogue of the amazing diversity of nature. They allow scientists to describe and understand species; they also provide a firsthand opportunity for the public to experience the variety of life on our planet.

These photos portray specimens of entire species that are losing, or have lost, the fight for survival. Because of their rarity these specimens are important, as sources of knowledge that can help conserve species and as reminders of the beauty of these lost and fading species



Images courtesy of the Astronomy Department

The James Gregory Telescope

6

Venue: The Twin Dome Telescope, St Andrews Observatory
Opening times: 24 hours

The James Gregory Telescope is the largest optical telescope of its kind in Scotland - fitted with a digital sensor making it the largest camera in Britain. Mounted to the side of the Twin Dome Telescope you will see some of the fine examples of photography made by researchers at the observatory. Don't miss out on the observatory tour on Wednesday 16 October, see event listing for further details





Images: Cox's Bazar beach, Bangladesh, by Suthep Kritsanavarin (top); Drought affected village along the Silk Road, China, by John Novis (bottom).



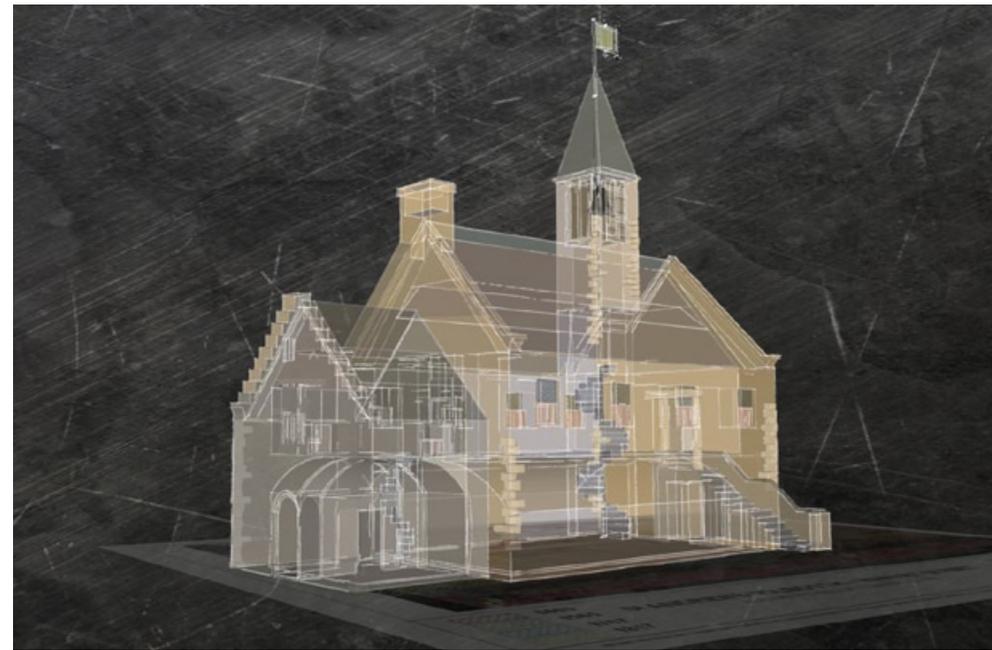
@EveryDayClimateChange

Venue: The Library at the Gateway
Opening times: Mon—Fri;
09:00—17:00

7

An opportunity to see panels from the popular @EverydayClimateChange collective's Instagram account - The group project involves 20 photographers from 6 continents, and their images depict the causes and effects of, and solutions to, everyday climate change. This exhibition brings the photographic works of 14 of the contributors to the library walls.

Includes panel images by Ashley Crowther, Sima Diab, Georgina Goodwin, James Whitlow Delano, Matilde Gattoni, Nick Loomis, Ed Kashi, Suthep Kritsanavarin, Mette Lampcov, John Novis, Mark Peterson, J.B. Russell, Jeremy Sutton-Hibber and Elisabetta Zavoli.



Seeing the Past: Digitally Reconstructing and Recording Historic Sites

Venue: School of Medieval Studies (The Undercroft, 71 South Street)
Opening times: Mon—Fri; 09:00—17:00

8

For generations historic sites have inspired artists and photographers. Today, digital technologies provide new ways to record and recreate historic landscapes and buildings. Drawing on collaborative work at the University of St Andrews by the Schools of Computer Science, History, Art History, and Classics this exhibition by Smart History displays innovative approaches to visualising heritage in Scotland and further afield.

Explore reconstructions of lost buildings, aerial footage of ancient landmarks, and scans of historic artefacts from St Andrews and across the globe. Discover the role that digital developments play in preserving and communicating heritage, and the complexities of creating media which is both art and scholarship.





© Paul Campbell Photography

Imag(in)ing the Periodic Table

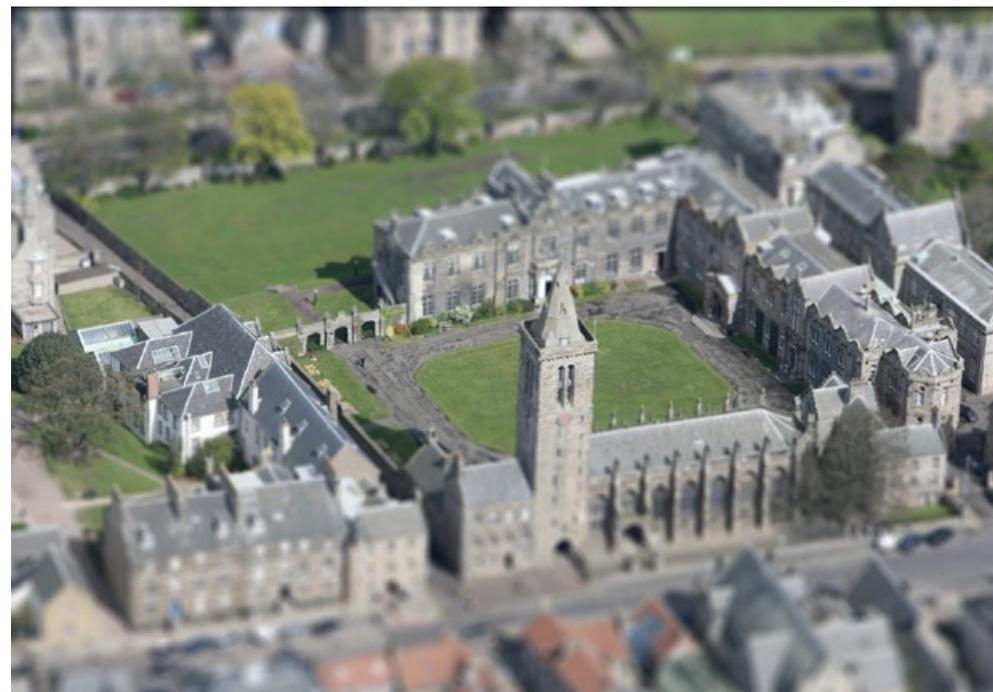
Venue: The Scores
Opening times: 24 hours

9

Dmitri Mendeleev published his first Periodic Table in 1869 — 150 years ago and just 30 years after Louis Daguerre had taken the first photograph. To celebrate the UNESCO International Year of the Periodic Table, this exhibition displays a series of photographs from the University of St Andrews collection, which explore the ways in which the properties of invisible atoms of elements can be recorded on film.

St Andrews has very strong links to the Periodic Table. The recent discovery and conservation of the oldest known printed Periodic Table wallchart is supplemented by the University's involvement in the European Chemical Society's development of one of the newest which highlights pressure caused by human use on the availability of the 90 elements which make up everything.

Sandwiched between the two dramatically different versions of the Periodic Table this exhibition showcases fascinating images representing elements, the building blocks of our diverse and beautiful world.



© University of St Andrews, edit's Dhanraj Vishwanath

Blurring the line between Photography and Perceptual Psychology

Venue: Holy Trinity Church
Opening times: 24 hours

10

The science of perception has long relied on insights from artists, for example, in the development of theories of space perception that began during the Italian Renaissance. The exhibit demonstrates that this dependence continues to this day in the realm of art photography and the perception of distance and size.

The exhibit displays and describes the photographic effect of tilt-shift miniaturization, which is a photographic effect employed by a few artists beginning in the late 1990s, in which (typically) overhead views of scenes are captured with a tilt-shift camera (a camera which allow the film plane to be tilted relative to the camera lens axis) producing a shallow depth-of-focus and a characteristic pattern of blur.

In the resulting photograph, objects in the scene appear toy-like or miniaturised. The exhibit includes examples of tilt-shift miniaturization photography and research conducted at the university of St. Andrews that provided a scientific explanation for the effect and its implications for visual perception of size and distance.



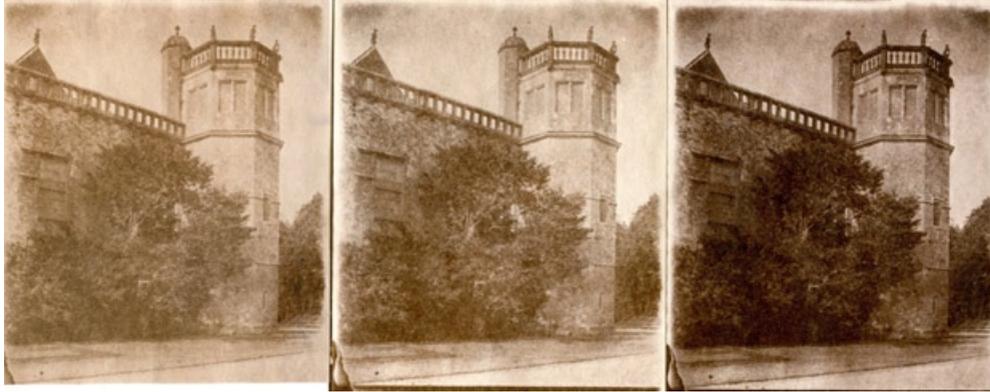


Image: Lacock Abbey; Blackfriars Chapel, St Andrews; Trees by Rob Douglas

Chemistry of Colour

Venue: Byre Theatre
Opening times: 10:00–20:00

2

It is a common misconception that the earliest forms of photography were simple black and white images which usually fade to a washed out sepia yellow-to-brown colour.

This exhibition will show some contemporary prints by photographers using historical chemical formulas to get an array of colours and tones.

Calotypist Rob Douglas, Art Historian Carolyn Douglas, Artist Alex Boyd have contributed to this unique exhibition with examples of their work and it is a rare opportunity to see original framed material which is often too light sensitive to display in other exhibition areas.



Shooting Stars: 19th Century Astronomical Photography

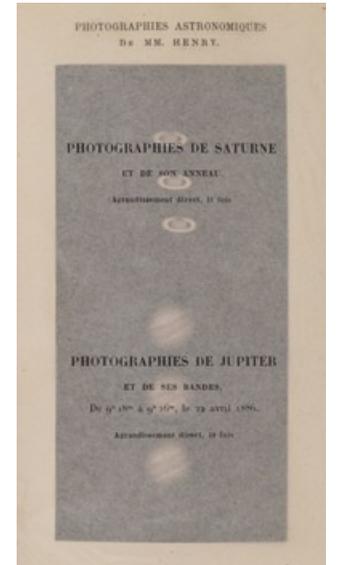
Venue: The Twin Dome Telescope, St Andrews Observatory
Opening times: 24 hours

6

The University Library Rare Books Collection holds over 600 photobooks and photographically-illustrated books. Among these are a number that show the early use of photography to study the diverse phenomena of the night sky. Over the course of the nineteenth century, advances in photographic technology enabled astronomers to make increasingly detailed photographs of objects invisible to the human eye, such as nebulae, galaxies, and spectra.

Illustrations from a selection of these books will be displayed alongside the exhibition at the James Gregory Telescope, with a short discussion on the publications' importance to the fields of science and photography.

You will also be able to view these books alongside other photographic material during our event in Special Collections on 17 October.





7 October

1

17:15—18:00; Science and the Birth of Photography
Venue: Martyrs Kirk
Free

Dr Stephanie O'Rourke, lecturer in the history of photography at the University of St Andrews and Rachel Nordstrom, Photographic Collections Manager at the University Library, Special Collections will deliver an introductory lecture on the birth of photography and the importance of scientific experimentation through the earliest years of the medium.



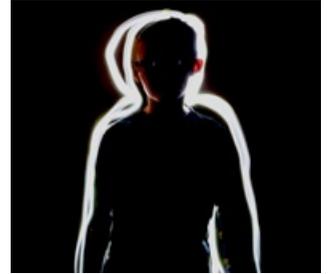
Image: SAUL ID: ALB-8-11

11 October

11

15:00—16:00; Kit Martin; Drawing With Light
Venue: Bell Pettigrew Museum
Free but booking is essential

Flick on a flashlight and discover the delights of 'drying with light' at this experimental photography session. We will provide glowsticks, torches and a photographer to capture your creations, but please feel free to bring any of your own equipment, (Ages 7-12). To book, email museumlearning@st-andrews.ac.uk or phone 01334 461663



© Kit Martin

9 October

5

16:15; Lisandro Suriel Artist's Talk
Venue: St Salvators Quad, School V
Free

Lisandro Suriel is a surrealist photographer whose work uses fiction and dreamscapes. Initially studying at the Academy of Art in The Hague, he received his Masters in Artistic Research and Art Studies from the University of Amsterdam, with his graduate thesis analysing early 20th-century illustrations of West-Indian mythology in relation to cultural aphasia. His lecture forms part of his 2019/20 Tilting Axis Caribbean Fellowship, on which the School of Art History at the University of St. Andrews is a partner.



© Lisandro Suriel

12 October

12

13:00—15:00; Photogenic Drawing Workshop
Venue: St Andrews Community Room
Fee: £12

A workshop geared to teenagers and adults who want to learn the basic chemistry of the earliest paper photographic process, the photogenic drawing. Prepare to get a bit messy and bring along some items or objects for sun printing. (Leaves, lace and feathers work really well.) You will be likely to be able to do 3-5 prints using various salts to get an array of colours in your prints.



© Rachel Nordstrom

11 October

11

13:00—14:00; Kit Martin; Shadow Play
Venue: Bell Pettigrew Museum
Free but booking is essential

How can you make fascinating moving pictures with light and shadows? Discover what a shadow is, then play with light and an array of weird and wonderful objects to create amazing shadows, artworks that twist, turn and transform. Photographer Kit Martin will be on hand to guide you. (Ages 3-6). To book, email museumlearning@st-andrews.ac.uk or phone 01334 461663



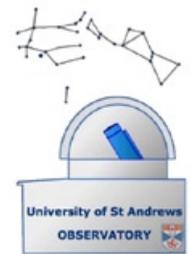
© Kit Martin

16 October

6

19:00; St Andrews Observatory Tour
Venue: St Andrews Observatory
Free

The university observatory is home to a range of telescopes, including the magnificent James Gregory Telescope, the largest in Scotland. The 'JGT' is a homegrown telescope, built and designed in St Andrews, that has served astronomers and students for more than half a century. Our tour with Dr Aleks Scholz will include a full demonstration of the JGT including observations of a nebula if the sky is clear, and talk about the life of an astronomer at St Andrews.



17 October

1

16:00–17:00; Science Treasures of St Andrews Special Collections
Venue: Martyrs Kirk
Free

The University Library's Photographic Collections have been curated for teaching and research since the 1840's. loose prints, rare books, manuscript and archive collection. Drawn from loose prints, rare books, manuscript and archive collection, you will be welcomed to a display of some of the most interesting and inquisitive findings. Come along to speak with Rachel Nordstrom, Photographic Collection's Manager; Luke Gartlan, Art History; and Michael Cowan, Film Studies, as they describe the importance of these treasures



Image: SAUL ID: ms38081-1-D

22 October

5

17:15; Martin Parr in Scotland
Venue: St Salvators Quad, School III
Free but ticketed, book through festival website

Martin Parr is one of Britain's most influential modern photographers. He has been photographing Scotland and her people for over 25 years and continually finds himself coming back to revisit and explore her landscapes and communities. Parr will give the Festival a previews of his ongoing work in Scotland in advance of his upcoming exhibition at the newly refurbished Aberdeen Art Gallery, which opens in November.



© Martin Parr

23 October

2

09:00–17:30; Symposium - Science & Photography
Venue: Byre Theatre, Levy Studio
Fee: £45/25

A one day symposium on the topic of 'Science and Photography'. We will look at how photographs are used in scientific research; how and why we have photographed the human body; what scientific innovations advanced the photographic medium in the early development of photography; and how historic processes are being applied to science and contemporary research.

SCIENCE &
PHOTOGRAPHY



St Andrews, Scotland
23rd October 2019

24 October

12

10:30–16:00; Victorian Tintype Studio
Venue: St Andrews Community Room
Fee: £20/portrait

Richard Cynan Jones returns for a fourth year to take portraits with the methods, tools and process photographers used in 1860's. If you are interested, Richard will show you the process from start to finish. Be sure to book in to guarantee your slot, but keep in mind timings can vary depending on light levels and exposure times. Walk-in's also welcome if time permits. Booking is available on the festival website



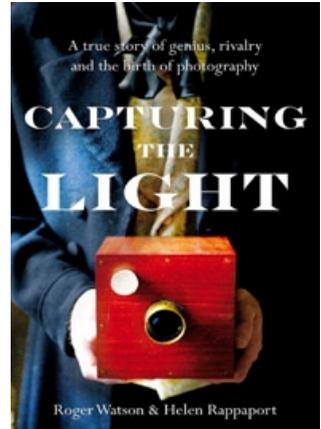
SAUL ID: 2015-6-2

24 October

1

18:30–19:30; Capturing the Light
Venue: Martyrs Kirk
Free

Roger Watson, curator of The Fox Talbot Museum and author of Capturing The Light gives a presentation on the two very different men, Henry Talbot from Wiltshire and Louis Daguerre from Paris. In 1839 these two men, presented very different solutions to one of the major scientific questions of the day: how do you capture light and affix it as an image?



25–27 Oct

12

09:30–16:30; Daguerreotype Workshop
Venue: St Andrews Community Room
\$1250 US

Dr Mike Robinson will offer a three-day course in the daguerreotype process. This is the first ever mercury-based daguerreotype workshop held in Scotland and is a rare opportunity to learn the process in the picturesque birthplace of Scottish Photography. This workshop is hosted jointly by the Fox Talbot Museum and the University of St Andrews. Bookings can be made at centrydarkroom.com/education



© Mike Robinson



26 October

2

19:00—21:00; Wunder der Schöpfung (1926) and Herschel 36
Venue: Byre Studio
Free, but ticketed

For this live film screening, jazz duo Herschel 36 create experimental soundscapes that breathe new life into a classic Weimar-era science film. One of the oldest surviving feature-length films about the universe, *Wunder der Schöpfung* (1926) takes viewers on an imaginary voyage to the edges of the solar system, reflects on Einstein's relativity theory, speculates on the end of the world, and much more.



Image Still: Wunder der Schöpfung

Don't Miss!

Exhibition: 201 Telephone Box Gallery, Sunnyside, Strathkinness KY16 9XP

"Public Lines", a site-specific photography exhibit by photographer Rachel Fermi, a co-director of FLOW Photofest and the Inverness Darkroom. *Opening and artist's talk on Sunday 6th October 2019 at 3:45 pm. Exhibit runs from 6th October - 16th November*

Exhibition: Either side of midnight: a photographic journey

This exhibition which traces the authentic and sometimes unconventional stages of Scott's work as he developed his own very distinctive photographic perspective on life and work; land and sea, in and about his home: the East Neuk of Fife. *Art@47, High street, Pittenweem; 12th - 20th oct 11am-4pm*

Event: Picturing a better future: A climate conversation

Join us for a *climate conversation* inspired by photos from @everydayclimatechange exhibit at the Gateway as a starting point for discussion of climate crisis, what it means to you and what practical actions we can take to tackle it in St Andrews. Booking essential - *email Kaska at kah25@st-andrews.ac.uk for more information and dates*

Event: St Andrews Photographic Society

The Society starts this years season on Wednesday 11th September, 7.30pm. We welcome anyone interested in photography to come along. *The Art Club Rooms, Argyll Street, St Andrews; Wednesday 11th September, 7.30*

Event: St Andrews Photographic Society

Opening night of Annual exhibition of photographs, 7pm - 9pm with refreshments. *Holy Trinity Church; Wednesday 2nd October, 7-9pm*

Event: Day of the Periodic Table: Pilar Gil

Pilar Gil talks about the world's oldest teaching periodic table accompanied with music by Mendeleev's friend and fellow chemist Alexander Borodin. *Byre Theatre, book on Byre website, free with ticketed spaces; Saturday 5 October;*

Event: St Andrews Photographic Society

Photography - Old St Andrews, Past and Present by local photographer Peter Adamson *The Art Club Rooms, Argyll Street, St Andrews; Wednesday 16th October 7.30*

Study Day Contemporary Art in Scotland: Franki Raffles

The Contemporary Art in Scotland Tate British Art Network sub-group, brings together recent research on the feminist documentary photographer Franki Raffles, featuring presentations, discussions, and a viewing session of material from Raffles's archive in the University's Photographic Collection.

The study day is free but spaces are limited; See festival website for more details. *Seminar Room 7, Arts Building, University of St Andrews, KY16 9AX, Thursday 7th November 2019, 12-5pm*



Time-Laps

Trail of Photo Discovery

Take yourself and other curious friends and family on a historical tour around the centre of St Andrew. Along the way you will discover stories of scientific innovation and noteworthy events and personalities; from the first child to be born with the use of chloroform, to the discovery of the benzene ring.

This exhibition is delivered in partnership with the #LoveStAndrews Shop Local BID project, so while you are visiting each of these stops along the way, be sure to pop your head in and see what is on offer.

Stops along the way are:

North Street:

Taste, University Library, The Räv

Market Street/St Mary's Place:

Bouquiniste, Luvian's Bottle Shop, Highland Soap Company, Tailend Restaurant, Careers Centre, The University Shop

Bell Street/Greyfriars Garden:

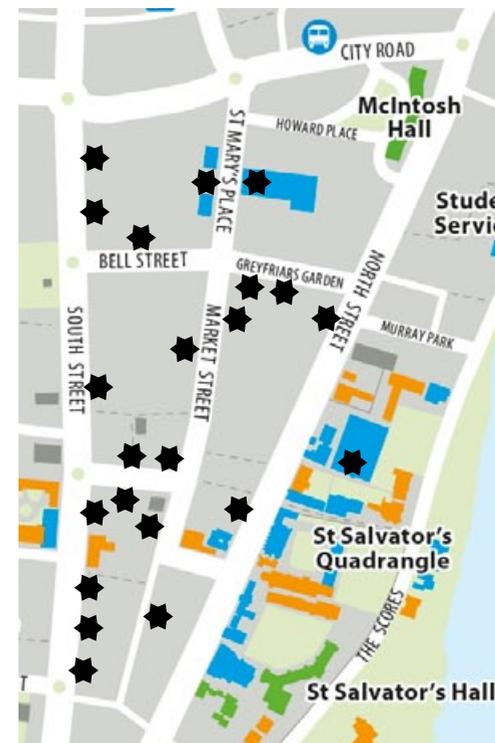
Toppings, Susan Sloan at No.1, St Andrews Wine Company

Church Street:

Bonkers, Blackhorn, Fisher & Donaldson

South Street:

Chincherinchee, Birchwood Food Emporium (formerly Heartspace), Next Door, J & G Innes, Spokes, Fraser Art Gallery, Jannetta's Gelateria

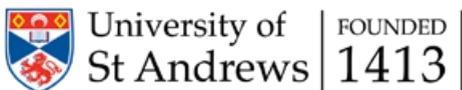


#LoveStAndrews

SHOP | EAT | DRINK | STAY | RELAX | LOCAL



With special thanks to our sponsors and supporters:



ST ANDREWS

Working for your business

University Library
University Library, Special Collections Division
University Museums
Department of Film Studies
School of Art History
School of Chemistry
School of History, Mediaeval Studies
School of Computer Science
School of Physics and Astronomy
University of St Andrews Observatory



Photography Scotland
Season of Photography 2019



ROYAL SOCIETY
OF CHEMISTRY

CELEBRATING
IYPT 2019

Smart | History



transition
university of st andrews

www.standrewsphotographyfestival.com

The Festival would also like to thank the following individuals, without whom this event would not be possible: Natalie Adamson, Alex Boyd, Jane Campbell, David Cole-Hamilton, Michael Cowan, Richard Cynan-Jones, Andrew Demetrius, Sean Dooley, Caroline Douglas, Rob Douglas, Gair Dunlop, Pilar Gill, Rachel Hart, Lydia Heeley, Jane Kennedy, Weitian Liu, Edward Martin, Kit Martin, Calum McAndrew, Donald McEwan, Jan McTaggart, Alan Miller, Stephanie O'Rourke, Martin Parr, Stephanie Peebles, Bess Rhodes, Claire Robinson, Mike Robinson, Aleks Scholz, Gabriel Sewell, Matt Sheard, Jeremy Sutton-Hibbert, David Venters, Dhanraj Vishwanath, Roger Watson, Antares Wells, Eli Zysman-Coleman