

**PACIFIC CIRCLE NEWSLETTER, 1:5**  
**22 November 2021**

**MEMBER NEWS**

Congratulations to **Sujit Sivasundaram** for the publication of “No Blank Space,” *History Today* 71:11 (2021), 48-61

**CONFERENCES, WORKSHOPS, and LECTURES**

**ESfO Conference, June 2-5, 2022, Ajaccio, Corsica**

The conference website is now online at the following address:

<https://www.pacific-studies.net/conferences/esfo2022>

Paper submissions are now open, and we invite you to examine the 26 panels/sessions available, if necessary to get in touch with the panel convenors, and to submit your papers through the website (and not by sending it directly to the panel convenors).

**Instructions for submitting a paper:**

- 1) To submit a paper, you need to have an account on <https://www.pacific-studies.net/> and be logged in before you progress to the conference webpage. You can log in in the Members Corner (top right). If you don't remember your password, please click on “I forgot my password.” If your email is recognized, you will receive an automatic email from [webmaster@pacific-studies.net](mailto:webmaster@pacific-studies.net). Please also check your spam folder.
- 2) Please allow [webmaster@pacific-studies.net](mailto:webmaster@pacific-studies.net) to send you messages. Indeed, this automatic email address will also send you updates relevant for your paper, the panel and the conference in general. If you have any trouble or don't remember which email address you used to create your account, please get in touch with me.
- 3) Once logged in, please do update your profile, since this is what will be printed on the website and in the conference booklet when your paper is accepted.
- 4) If you are absolutely certain that you have not created an account yet, please create one in the “Member's Corner.” And please provide at least your institutional affiliation in your profile.
- 5) Once logged in, please go to the conference webpage: <https://www.pacific-studies.net/conferences/esfo2022>, select your panel/session and submit your paper.
- 6) Please note that your summary should not exceed 1500 characters, spaces included.

- 7) Note that each person can submit one paper to one session.
- 8) The paper submissions will be automatically redirected to the session/panel convenors. It is their responsibility and freedom to accept or reject papers.
- 9) If you have any problem, please get in touch with [webmaster@pacific-studies.net](mailto:webmaster@pacific-studies.net) or directly with me.

- file (e.g. Smith\_CV).

## **European Society for the History of Science (ESHS) Tenth Biannual Conference**

This year's edition will take place in Brussels, Belgium, and is organized by the National Committee for Logic, History and Philosophy of Science (NCLHPS) of Belgium.

### **Theme:**

The theme of the ESHS 2022 conference will be Science Policy and the Politics of Science, a topic with resonance over these past years. The outbreak of Covid-19 has called attention to the shifting legitimacy of science-based expertise and the reliance on expert authority in policy making by state and national governments. This serves as an indication for a need to understand the role of scientists and scholars in society within a broader historical frame.

From a historiographical viewpoint, the conference will showcase the latest investigations of scientific institutions across time and space. Beyond the traditional views on history of science governance and management, recent studies have enhanced our understanding of scientific knowledge and practice from global, epistemological, and gendered perspectives, encompassing new experimental and digital methodologies.

We welcome proposals on all periods, geographic locations, and areas of specialization, addressing topics including, but not limited to, the following:

- Institutions, places, and spaces of scientific knowledge: center and peripheries
- Patronage and science funding: public and private interests
- Theory and practice in scientific and technical expertise
- Material, visual, and textual cultures in the institutionalization of the sciences
- Circulation and networks of scientific knowledge
- Colonial histories and heritage in the sciences
- Gender and ethnicity in scientific institutions and leadership
- Trials and standardization in science making
- Openness and secrecy in the dissemination of scientific knowledge
- Amateur scholarship, lay practice, and citizen science
- Trust and authority in scientific discourse and policy
- Scientific movements, ideologies, and related historiographical narratives

**Submission:**

We welcome submissions for individual papers as well as symposia which combine 3 or 4 papers. Proposals should be submitted by filling in the relevant template (in attachment), which can also be found on the [website](#)

**For Symposium proposals:**

To submit your symposium proposal, send the filled-in template as an attached file by email with subject line: "ESHS 2022 Symposium Proposal" to [eshsbrussels@gmail.com](mailto:eshsbrussels@gmail.com)

Symposium applicants should not also submit an individual paper proposal, unless they have been notified of the rejection of the symposium proposal. The status of the symposium proposal will be announced well before the closure of the call for papers.

The deadline for symposium proposals is 31 December 2021, 23:59 CET.

**For Paper proposals:**

To submit your paper proposal, send the filled-in template as an attached file by email with subject line: "ESHS 2022 Paper Proposal" to [eshsbrussels@gmail.com](mailto:eshsbrussels@gmail.com)

The deadline for paper proposals is 21 February 2022, 23:59 CET.

We particularly encourage proposals that foster gender–equality and diversity, including researchers with various institutional affiliations, at diverse stages of their professional careers, with different geographical origins, and from underrepresented groups.

For further information: <https://eshsbrussels2022.com/>

**School of Pacific and Asian Studies Graduate Student Conference**

The University of Hawai'i at Manoa will be hosting online its annual School of Pacific and Asian Studies Graduate Student conference from April 6-7, 2022. This year's conference theme is: "Technologies and Adaptations: Celebrating Innovations in Human Knowledge Across Asia." Our theme welcomes submissions from any discipline that tackles innovation and adaptation to technologies new and old in Asia.

Submit an abstract of 250-300 words by February 5, 2022 to [gradconf@hawaii.edu](mailto:gradconf@hawaii.edu)

Dr. Jennifer Robertson, Prof. Emerita at the University of Michigan will deliver the keynote address.

## **2022 International Committee for the History of Technology Symposium**

The 49th Symposium will take place virtually in 3 phases, each lasting two days. The 1st meeting will be in June (17, 18), the 2nd in September (24, 25), and the 3rd in October (15, 16). The Kranzberg Lecture will take place in June.

The general theme is “Technology-based and Technology-generated decisions.” Whereas technology-based decisions have a long history, technology-generated decisions of so-called artificial intelligence, AI, are on the horizon since the turn to 21st century and might gain decisive influence within the next years. Which decisions we are willing to handle over to technology? How to define ethical guidelines for this development? The symposium aims to contribute to this discussion, based on a transnational perspective of history of technology.

### **The deadline for proposal is Sunday, 30 January 2022**

For a long time, societies have considered technology a value-neutral instrument for various purposes, including decision-making by organizations. Between the end of the 19th and the beginning of the 20th century, technology progressively increased its pivotal role in societies: governments, companies, or individual people considered technology essential for living and surviving. But due to increasing over-saturation with technology, negative outcomes became visible and thus, subject of public discussion.

Technology is involved in decision-making in two ways: decisions based on technology and technology-generated decisions. Human societies are used to base their decisions thanks to technologies permitting them, for instance, data collection. Cartography was helpful in decisions such as financing exploratory expeditions traveling, trade, or military operations since the early modern era. In the contemporary World, high-resolution satellite images are the base for the decision-making process in military operations or identifying places where it could be possible to extract mineral and oil resources. Moreover, new technologies often inspire new ways to perform old tasks (e.g. imaging technologies in medical diagnosis) and inspire taking on new tasks (think military rockets being applied to spaceflight). Second, the design and manufacture of technology require decisions that affect how it works, how it is used, how it is manufactured, etc. Certain decisions regarding material properties, usage scenarios (e.g., usability), and areas of application require different types of production. Conversely, the type of production chosen (technology, process, etc.) influences the possible uses of the technology and its artifacts.

### **Suggestions for more specific questions, derived from the main question:**

- What are the social/historical/cultural conditions of technology related decision-making?
- Decisions on science and technology: inclusion and citizen participation
- What are the ethical conditions of technology-generated decisions?
- Which transnational perspectives can be taken regarding technology-inherent decisions?

- How do these technology-inherent decisions affect the critique of technology (e.g., impact factor in science, “publish or perish”)?
- Technocracy is a well-researched topic. What is state of the art in this field? Any new approaches, theories, empirical findings?
- Data recording and processing is a core task now carried out with computers. Which technologies were used – and where and how – before the advent of computing?
- Modern challenges and technology based/generated decisions (e.g., climate change, COVID-19 pandemic, individual health, and public health); artistic strategies involving technology/generated decisions; body, dis/ability and technology based/generated decisions
- The role of images (maps, photographs, etc.) in decision making.

The symposium covers all periods and all areas of the globe. In keeping with a cherished tradition of the field, the meeting is open to scholars from all disciplines and backgrounds. Gender-related and worldwide topics are specifically welcome. Besides contributions to the main theme of the symposium, paper, and session proposals on different topics of the history of technology are welcome.

#### **Proposal Guidelines:**

ICOHTEC welcomes proposals for individual papers and posters, but preference will be given to organized sessions of three or more papers. The Programme Committee will also consider submissions not directly related to the symposium theme providing that they relate to the history of technology broadly defined. All proposals must be in English and should be submitted electronically by 30 January 2022 via our website <http://www.icohtec.org/w-annual-meeting/> (will be available, soon). For suggestions about preparing your submission and the conference presentation, please consult the guidelines on [www.icohtec.org/proposal-guidelines.html](http://www.icohtec.org/proposal-guidelines.html) In addition to the scientific programme, the symposium will include plenary sessions, special sessions for the prize winning book and article, the general assembly of ICOHTEC. If you have any questions related to the scientific programme, paper, poster or session proposals, please, do not hesitate to contact Jacopo Pessina, the chair of the programme committee, at [j.pessina87@gmail.com](mailto:j.pessina87@gmail.com)

We encourage graduate students to submit proposals and to participate in the symposium.

Members of ICOHTEC and low-income people pay a reduced fee.

INDIVIDUAL PAPER proposals must include: (1) a 300-word (maximum) abstract; and (2) a one-page (maximum) CV. Abstracts should include the author’s name and email address, a short descriptive title, three to five key words, a concise statement of the thesis, a brief discussion of the sources, and a summary of the major conclusions. If you are submitting a paper proposal dealing with a particular subtheme in this CfP, please indicate this in your proposal. In preparing your paper, remember that presentations are not full-length articles. You will have no more than 20 minutes to speak, which is roughly equivalent to 8 double-spaced typed pages. For more suggestions about preparing your conference presentation, please consult the guidelines

at the conference website. Contributors are encouraged to submit full-length versions of their papers after the conference for consideration by ICOHTEC's peer-reviewed journal ICON.

PANEL proposals must include (1) an abstract of the panel (300 words maximum), listing the proposed papers and a session chairperson; (2) abstracts for each paper (300 words maximum); (3) a one-page CV (maximum) for each contributor and chairperson. Panels should consist of three or four speakers. Several panels may be organized on one topic.

We encourage the creation of panels which examine technology-based and technology-generated decisions in different parts of the world, enabling international comparisons, and contributing to an emerging transnational historiography. We welcome especially contributions from beyond Europe and the United States, which so far have been less fully covered by historians of technology.

The programme committee reserves the right to relocate papers to different themes and add papers to panels.

POSTER proposals must include (1) a 300-word (maximum) abstract; and (2) a one-page CV. Abstracts should include the author's name and email address, a short descriptive title, a concise statement of the thesis, a brief discussion of the sources, and a summary of the major conclusions.

### **31st Annual World History Association Conference, Bilbao, June 2022**

The World History Association (WHA) will hold its [31<sup>st</sup> Annual Conference](#) in Bilbao, Spain from June 23 – 25, 2022. This conference, co-sponsored by the University of the Basque Country, will be located at the Bizkaia Aretoa Building on the banks of the River Nervión. The conference theme will be "Distance, Mobility, and Migration," although submissions on other historical themes are also welcome.

The Call for Papers (CFPs) is open. The trilingual CFPs and proposal submission forms can be found on the [conference homepage](#). **Proposals are due by November 30, 2021, or January 15, 2022 (see website to determine which deadline applies to your submission).**

Limited scholarships will be available for our 2022 conference; first priority goes to deferred awardees from our 2020 conference. Eligibility requires paper submission.

### **University of Leeds History & Philosophy of Science Seminars**

*School of Philosophy, Religion & History of Science*

These seminars take place alternate Wednesdays 3.15-5pm online via TEAMS

Please register via the Eventbrite links given below.

November 24. Erika Millam (Princeton University, USA)

“Philosopher Kings of the Rocky Mountains: Marmots, Time, and Animal Behaviour”

Register for this via seminar via Eventbrite<<https://www.eventbrite.co.uk/e/erika-millam-philosopher-kings-marmots-time-and-animal-behaviour-tickets-176882479257>>

December 8. Doreen Fraser (University of Waterloo, Canada)

“Formal analogical reasoning in quantum theories”

Register for this via seminar via Eventbrite<<https://www.eventbrite.co.uk/e/doreen-fraser-philosophy-of-physics-tickets-176885287657>>

## ***RESEARCH, EMPLOYMENT, DEGREES and FELLOWSHIPS/GRANTS***

### **2022-23 Fellowships at the Beckman Center, Science History Institute**

The applications are now officially open for 2022-23 Fellowships at the Beckman Center of the Science History Institute.

This year, the Beckman Center introduces new Curatorial Fellowships, two-year full-time staff positions in the Othmer Library and the Museum intended for historians and other academic researchers in the history of science who are seeking professional opportunities outside of academia. The Beckman Center is located within an institution that boasts a full and active professional staff in each of these fields, allowing for a full support to researchers seeking careers in libraries and museums in addition to those conducting scholarly research.

These new fellowships complement the full slate of research fellowships for 2022-23, which includes 12-month Research Postdoctoral Fellowships for recent PhDs, 9-month Dissertation Fellowships for graduate students, 4-month Distinguished Fellowships for senior scholars, and 1-4 month Short-Term Fellowships for researchers of any professional background, as well as the 1-2 week Library Travel Grants.

Information about all of fellowships, along with an FAQ, a Guide for Applicants, and the application portal itself, can be found at <https://www.sciencehistory.org/fellowships>. This cycle’s application deadline is January 15, 2022.

Any questions should be addressed at [fellowships@sciencehistory.org](mailto:fellowships@sciencehistory.org).

## School of Philosophy, Religion and History of Science at the University of Leeds Applications for Research Postgraduate Study Commencing 2022/23

### About Us

With around ninety current research postgraduates, and over seventy academic staff (many of whom offer PhD supervision), the School is a friendly and vibrant academic community, and has an impressive international reputation in each of its constituent fields.

Research is focused within and between six highly active research centers:

- \* Aesthetic, Moral, and Political Philosophy
- \* History and Philosophy of Science
- \* Inter-Disciplinary Ethics Applied
- \* Metaphysics and Mind
- \* Philosophy of Religion
- \* Religion and Public Life

For more information about the school and its research centers: <https://ahc.leeds.ac.uk/philosophy>

### Application

Information about research postgraduate study in the school and the application procedure is provided at <https://ahc.leeds.ac.uk/philosophy-research-degrees>. In addition, questions regarding the application procedure may be directed to [ahcgradmissions@leeds.ac.uk](mailto:ahcgradmissions@leeds.ac.uk).

Those interested in applying are advised to contact potential supervisors at an early stage. You should contact them by email, either directly or through the subject lead for postgraduate research relevant to your subject area:

- \* Dr Darren Bradley for Philosophy ([D.J.Bradley@leeds.ac.uk](mailto:D.J.Bradley@leeds.ac.uk))
- \* Dr Rob Lawlor for Applied Ethics ([r.s.lawlor@leeds.ac.uk](mailto:r.s.lawlor@leeds.ac.uk))
- \* Prof. Emma Tomalin for Theology and Religious Studies ([e.tomalin@leeds.ac.uk](mailto:e.tomalin@leeds.ac.uk))
- \* Prof. Greg Radick for History and Philosophy of Science ([G.M.Radick@leeds.ac.uk](mailto:G.M.Radick@leeds.ac.uk))

### Funding

Full, regularly updated information on upcoming funding awards and deadlines, including application procedures, is provided via the University of Leeds Postgraduate Scholarships site <http://phd.leeds.ac.uk/>. Check back for the latest information.

Please note that several of the funding application deadlines fall in January.

In particular, the **White Rose College of the Arts & Humanities** (which will be offering approximately 45 AHRC Open Competition PhD studentships across the Universities of Leeds, Sheffield and York for 2022 entry) has a closing deadline for the open competition of **17:00 on Wednesday 26 January 2022**. <https://wrocah.ac.uk/funding/prospective-students/>.

In addition, watch out for deadlines for **China Scholarship Council-UoL Scholarships** in January, **Leeds Doctoral Scholarships** in March, **Arts, Humanities, and Cultures Scholarships** in March, and **School of PRHS Scholarships** in March.

## **Shelby Cullom Davis Center for Historical Studies, Princeton University**

The Shelby Cullom Davis Center seeks applications from scholars working on questions related to environment and climate in an historical framework, in any period of human history, and all geographical areas.

The Center welcomes projects that explore the mutual influence of social and physical environments, including projects that foreground the role of the environment in shaping human societies and those that highlight the role of humans in changing climatic and environmental conditions. Themes may include the role of technology, migration, agriculture, justice, health, colonialism, imperialism, capitalism, political ideology, war, law, frontiers, property regimes, demographics, natural disasters, conservation and sustainability movements, aesthetic conceptions of natural and built landscapes, and the intellectual history of issues of environment and climate. We are particularly interested in projects that explore the intersection between histories of the environment and climate on the one hand, and histories of race, gender, and/or inequality on the other.

Fellowships are awarded to scholars who hold full time academic positions and who are expected to return to those positions at the conclusion of their Fellowship. Verification of employment and salary will be requested prior to approval by the Dean of the Faculty. PhD required.

To apply for a visiting position, please visit our Fellowship Information<<https://history.princeton.edu/node/1120>> page. The deadline for receipt of applications and letters of recommendation for fellowships for 2022/2023 is December 1, 2021, 11:59 p.m. EST. Applicants must apply online and submit a CV, cover letter, research proposal, abstract of proposal, and contact information for three references.

<https://history.princeton.edu/fellowship-information>  
Fellowship Information | Department of History<<https://history.princeton.edu/fellowship-information>>

Fellowships at The Davis Center may run either for one semester (September-January or February-June) or for the full academic year, September-June.  
[history.princeton.edu](https://history.princeton.edu)

## History of the Human Sciences Early Career Prize 2021-22

*History of the Human Sciences* – the international journal of peer-reviewed research, which provides the leading forum for work in the social sciences, humanities, human psychology, and biology that reflexively examines its own historical origins and interdisciplinary influences – is delighted to announce details of its prize for early career scholars. The intention of the annual award is to recognize a researcher whose work best represents the [journal's aim](#) to critically examine traditional assumptions and preoccupations about human beings, their societies and their histories in light of developments that cut across disciplinary boundaries. In the pursuit of these goals, *History of the Human Sciences* publishes traditional humanistic studies as well work in the social sciences, including the fields of sociology, psychology, political science, the history and philosophy of science, anthropology, classical studies, and literary theory. Scholars working in any of these fields are encouraged to apply.

### Guidelines for the Award

Scholars who wish to be considered for the award are asked to submit an up-to-date two-page CV (including a statement that confirms eligibility for the award) and an essay that is a maximum of 12,000 words long (including notes and references). The essay should be unpublished and not under consideration elsewhere, based on original research, written in English, and follow *History of the Human Science's* [style guide](#). Scholars are advised to read the journal's description of its [aims and scope](#), as well as its [submission guidelines](#). Entries will be judged by a panel drawn from the journal's editorial team and board. They will identify the essay that best fits the journal's aims and scope.

### Eligibility

Scholars of any nationality who have either not yet been awarded a PhD or are no more than five years from its award are welcome to apply. The judging panel will use the definition of "active years," with time away from academia for parental leave, health problems, or other relevant reasons being disregarded in the calculation.

### Prize

The winning scholar will be awarded £250 and have their essay published in *History of the Human Sciences* (subject to the essay passing through the journal's peer review process). The intention is to award the prize to a single entrant but the judging panel may choose to recognize more than one essay in the event of a particularly strong field.

## Deadlines

Entries should be made by Friday 31<sup>st</sup> January 2022. The panel aims to make a decision by Friday 29<sup>th</sup> April 2022. The winning entry will be submitted for peer review automatically. The article, clearly identified as the winner of the *History of the Human Sciences* Early Career Prize, will then be published in the journal as soon as the production schedule allows. The winning scholar and article will also be promoted by *History of the Human Sciences*, including on its [website](#), which hosts content separate to the journal.

## To Apply

Entrants should e-mail an anonymized copy of their essay, along with an up-to-date CV, to [hhs@histhum.com](mailto:hhs@histhum.com)

## Further Enquiries

Questions about the prize, or anything relating to the journal? Please email [hhs@histhum.com](mailto:hhs@histhum.com)

## “Sensitive Provenances:” Junior Scholars Short Time Fellowships

The Volkswagen Foundation-funded research project “[Sensitive Provenances](#)” investigates the provenance of human remains from (proto-)colonial contexts in two collections at the University of Göttingen. This project aims to investigate the origin of human remains, the circumstances of acquisition, their transfer to academic collections, their use for research and teaching as well as their contemporary socio-political meanings. Alongside research, the project is establishing contacts with representatives of regions from which these human remains originate, discussing their future handling and initiating restitution processes. The project focuses on human remains from Oceania and Africa. The Sensitive Provenances project is interdisciplinary and combines different methodological approaches from historical-critical provenance research, cultural anthropology and biological anthropology and welcomes inquiries and applications from potential fellows in these and related fields.

The focus of the project is a) on the “Blumenbach Skull Collection,” which was initiated by the natural scientist Johann Friedrich Blumenbach (1752-1840) and today comprises about 800 skulls, of which about 200 are of non-European provenance; and b) on the “Anthropological Collection,” originally created in Hamburg's Museum für Völkerkunde. This collection contains about 1,200 human remains from Oceania and Africa. Our preliminary research suggests that currently the University of Göttingen holds remains from regions that correspond to contemporary: **Australia, French Polynesia, Hawaii (USA), Indonesia, Kiribati, Malaysia, Marshall Islands (USA), Micronesia, Nauru, New Caledonia, New Zealand, Palau, Papua New Guinea, Samoa, Solomon Islands, and Vanuatu, in Oceania**; and from Cameroon, Congo, Guinea, Kenya, Namibia, South Africa, and Tanzania, in Africa.

We are seeking to award six short-term fellowships, each lasting from two to three months, for junior researchers from Africa and Oceania who would wish to engage with our project. We are open to all kinds of small projects that propose new perspectives, expand or challenge what we do. The topic, questions, research methods and interests of the fellows are deliberately kept open in order to facilitate broad perspectives on collections of human remains, their colonial histories and contemporary meanings and treatment.

Queries from the fields of History & Archives, Museum Studies, Social & Cultural Anthropology, Biological Anthropology, Indigenous Studies, and related areas are welcomed. We also invite proposals for artistic research and interventions that critically engage with the main themes of the project.

The scholarship holders will receive a monthly stipend of 2.100 €. Pending on individual circumstances, a replacement allowance and a family and childcare allowance can also be made available. The travel costs to and from Göttingen will be covered. During the research stay in Göttingen, the scholarship holders will receive support in different organizational and content-related matters.

Pending on the pandemic situation and travel restrictions, each visiting fellow will be invited for a three-months stay in Göttingen, in the second half of 2022 (specific dates are negotiable). The visiting fellow, depending on the needs and specificities of their proposed project, will be connected to researchers and experts in the following fields: history, cultural anthropology/ethnology, biological anthropology, provenance research, curatorial practice, museum practice and exhibition organization; or more specifically with the [Seminar for Medieval and Modern History](#), [Institute of Cultural Anthropology/European Ethnology](#), [Historical Anthropology and Human Ecology](#), [Centre of Anatomy](#), [Centre for Collections Development](#), or the newly established [Forum Wissen](#).

Applications will be considered on a rolling basis until March 2022. In order to apply, please send the following documents to Dr. Christian Vogel ([vogel@kustodie.uni-goettingen.de](mailto:vogel@kustodie.uni-goettingen.de)):

- Cover letter (specifying the motivations and interests of the candidate)
- A description of the proposed project/activities for the period of the scholarship (max 1000 words) - CV

For further queries please contact Dr. Christian Vogel ([vogel@kustodie.uni-goettingen.de](mailto:vogel@kustodie.uni-goettingen.de)).

## **Scientific Instruments Society Research Grants for 2022**

The Scientific Instrument Society (SIS) awards small grants, of up to £750 each, for research on the history of scientific instruments. Applications for the 2022 SIS Grants Scheme are now open; the deadline for applications is 1200 GMT on **Friday 7 January 2022**.

To learn more of the Society, or to join, visit <http://www.scientificinstrumentsociety.org/>

The short application form may be found at <http://www.scientificinstrumentsociety.org/grant-application-form>

Applicants do not need to have any institutional affiliation and applications that are for less than the maximum grant are just as welcome — a properly costed proposal with a clear relevance to the Society's interests in historic scientific instruments, a realistic timetable and a clear tangible result or question to be answered are the most important factors that the committee will be considering.

Successful grant holders will have 18 months from the date of award to complete their research and claim the funds.

Grants are open to applicants from any country, and both members and non-members of the Scientific Instrument Society may apply. Previous applicants are also welcome to apply, provided that an article based on their first research grant has already been submitted to the SIS Bulletin.

Please note that the grant awarded will be paid against actual receipted expenditure and funds cannot be paid in advance. The grant is intended to cover items such as travel, accommodation (excluding meals) and photocopying costs. We are unable to fund attendance at or travel to conferences or contribute to the cost of outreach projects such as events and exhibitions.

Further information on what the Society can support and the terms and conditions of the grants can be found at <http://www.scientificinstrumentsociety.org/grants/>

Examples of previously successful applicants may be found at <http://www.scientificinstrumentsociety.org/previously-supported-projects/>

*Questions?* For any questions regarding SIS grants, please e-mail [grants@sis.org.uk](mailto:grants@sis.org.uk)

## ***PUBLICATIONS and RESEARCH UPDATES***

### **Over 1,700 Book Reviews of Charles Darwin's Works Go Online**

Launched online are the results of over sixteen years of research, finding and collecting contemporary book reviews of Darwin's works by the *Darwin Online* project, directed by Dr [John van Wyhe](#). It is the largest collection of reviews ever created for a historical man of science- and probably for any person in history. There are over 1,700 reviews in sixteen languages spanning the years 1835 to the early 20<sup>th</sup> century.

One early reviewer of *Origin of Species* remarked: "Although it is certain that Mr. Darwin's views will cause painful anxiety to many who will regard them as hostile to the truths of Revelation, we cannot share in that anxiety, and are therefore not disposed to discuss the new theory on any other than strictly scientific grounds. ...the conclusions announced by Mr. Darwin

are such as, if established, would cause a complete revolution in the fundamental doctrines of natural history.”

Other reviewers could not resist poking fun at Darwin and his work, coming up with titles for their reviews such as ‘Darwin demolished’, ‘The angel or the ape’ or ‘The wonders of worm world.’

This new collection will make possible countless new studies, theses and student projects based not on the usual handful of well-known reactions to Darwin, but a near comprehensive picture of the reactions to one of the greatest scientific developments in history.

The collection of reviews is freely available and searchable on *Darwin Online*:

Introduction: [http://darwin-](http://darwin-online.org.uk/EditorialIntroductions/vanWyhe_Reviews_of_Darwin.html)

[online.org.uk/EditorialIntroductions/vanWyhe\\_Reviews\\_of\\_Darwin.html](http://darwin-online.org.uk/EditorialIntroductions/vanWyhe_Reviews_of_Darwin.html)

The reviews: <http://darwin-online.org.uk/reviews.html>

## Books and Book Chapters

*The Action Plan for Australia Birds 2020*, by **Stephen Garnett** and **G. Barry Baker**, CSIRO, 2021

*Ordering the Myriad Things: From Traditional Knowledge to Scientific Botany in China*, by **Nicholas K. Menzies**, University of Washington Press, Culture, Place, and Nature Series, 2021

*Transpacific Engagements: Trade, Translation, and Visual Culture of Entangled Empires (1565-1898)*, **Florina H. Capistrano-Baker** and **Meha Priyadarshini**, eds. Ayala Foundation, Getty Research Institute, Kunsthistorisches Institut in Florenz, and Max-Planck Institute, 2001

## Articles and Essays

“A multi-scale assessment of fire scar mapping in the Great Victoria Desert of Western Australia,” by **Jaume Ruscalleda-Alvarez**, **Dorian Moro**, and **Richard van Dongen**, *International Journal of Wildland Fire* 30(11) 886-898



**Austral Entomology**  
[Volume 60, Issue 4](#)

Pages: N1-N66, 629-799

November 2021

## Original Articles

**Revision of Xiphydriinae (Hymenoptera: Xiphydriidae) of Australia**

John T Jennings, John A Macdonald, Nathan M Schiff, Ben A Parslow

Pages: 631-658 | First Published:18 November 2021

**New bee species from northern Queensland, Australia (Hymenoptera: Colletidae, Halictidae, Megachilidae)**

Remko Leijds, Katja Hogendoorn

Pages: 659-671 | First Published:18 November 2021

***Wallaciana* gen. nov. (Hemiptera: Membracidae), a new treehopper genus endemic to montane south-eastern Australia**

Olivia Evangelista

Pages: 672-681 | First Published:18 November 2021

**Preliminary characterisation of known pesticide resistance alleles in *Spodoptera frugiperda* (Lepidoptera: Noctuidae) in its invasive Australian range**

Duong T Nguyen, Yizhou Chen, Grant A Herron

Pages: 782-790 | First Published:08 September 2021

# Pacific Science

A Quarterly Devoted to the Biological and Physical Sciences of the Pacific Region

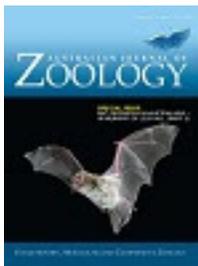
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Welcome to the latest contents alert for **Australian Journal of Zoology**.

This Special Issue of the *Australian Journal of Zoology* is in honour of Dr Leslie Hall who passed away early in 2019. In this second part of the Special Issue on Australasian bats, there are five papers on flying-foxes and seven papers on Australasia's smaller, echolocating species.

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## Special Issue: Bat research in Australasia – in memory of Les Hall (Part 2)

### Contents

#### [Bat research in Australasia – in memory of Les Hall, part 2](#)

Justin A. Welbergen, Brad Law and Paul Cooper

The introduction to this special issue of the Journal on Bat Research in Australasia (Part 2) provides an overview of the papers in the issue.

[Full Text](#) | [PDF \(152 KB\)](#)

#### [Threatened but not conserved: flying-fox roosting and foraging habitat in Australia](#)

Libby A. Timmiss, John M. Martin, Nicholas J. Murray, Justin A. Welbergen, David Westcott, Adam McKeown and Richard T. Kingsford



Flying-foxes typically aggregate in colonies of thousands of individuals at their roost sites, dispersing at sunset to forage on floral resources in nearby environments. In this study, we used a database of 654 known roost sites of the four flying-fox species that occur across mainland Australia. We found that the majority of roosts for each of the four species (up to 59%) occurred in land use categorised as urban. This study shows that flying-fox roosts have dramatically shifted to occur within human-modified landscapes.

Photo by Dr John Martin.

[Abstract](#) | [Full Text](#) | [PDF \(467 KB\)](#) [Open Access Article](#)

### [Camp site habitat preferences of the little red flying-fox \(\*Pteropus scapulatus\*\) in Queensland](#)

Stewart L. Macdonald, Matthew Bradford, Adam McKeown, Eric Vanderduys, Andrew Hoskins and David Westcott



Flying-foxes often form large roost sites in urban areas, causing conflict with nearby human residents and prompting attempts to disperse the camps. We assessed roost-site characteristics of little red flying-foxes to understand if roosting habitat was limited within the species' range. We found that increased vegetation greenness and decreased distance to water were the two most important landscape-level characteristics of little red flying-fox camp sites, and that there does not appear to be any shortage of suitable habitat in Queensland.

Photo by Stewart Macdonald.

[Abstract](#) | [Full Text](#) | [PDF \(3.4 MB\)](#) [Open Access Article](#)

## [Review of dispersal attempts at flying-fox camps in Australia](#)

Billie J. Roberts, Matthew Mo, Mike Roache and Peggy Eby



The permanent exclusion of flying-foxes from camps (camp dispersal) near

human settlements is a management tool commonly used to mitigate human–wildlife conflict. Our aim was to review the costs and outcomes of 48 camp dispersals in Australia and improve the information base on which camp management decisions are made. We conclude that camp dispersal is a high-risk, high-cost tool for mitigating human–wildlife conflict, *in situ* management strategies and tools should be developed, and evidence-based information on management options should be made available to stakeholders via a nationally curated resource library.

Photo by Matthew Mo.

[Abstract](#) | [Full Text](#) | [PDF \(71.5 MB\)](#)

### Optimisation of a pollen DNA metabarcoding method for diet analysis of flying-foxes (*Pteropus* spp.)

Karen L. Bell, Kathryn L. Batchelor, Matt Bradford, Adam McKeown, Stewart L. Macdonald and David Westcott



Determining the diet of flying-foxes can help to manage their positive and negative impacts, but traditional methods are time consuming. In this study, we developed an improved method for diet analysis, based on DNA remnants from pollen and other plant parts in the faeces. We identified plant species from the diets of three species of flying-foxes, mostly in the genera *Eucalyptus*, *Melaleuca* and *Corymbia*, and

demonstrated that this method will be useful in future research analysing the diet of flying-foxes.

Photo by Adam McKeown.

[Abstract](#) | [Full Text](#) | [PDF \(827 KB\)](#) Open Access Article

## Variation in fur properties may explain differences in heat-related mortality among Australian flying-foxes

Himali Udeshinie Ratnayake, Justin Arno Welbergen, Rodney van der Ree and Michael Ray Kearney



The variation in fur properties of flying-foxes can help us understand why there are differences in survival rates among different species, sexes, and ages during extreme heat events. We found that there were distinct differences in the length, depth, and solar reflectance of fur among different species and demographics, which can cause differences in the experienced heat load. Thus, understanding exactly how interactions between fur properties affect heat transfer can help us explain the higher mortality of some species and demographics.

Photo by Himali Ratnayake.

[Abstract](#) | [Full Text](#) | [PDF \(1.8 MB\)](#)

## Roosting behaviour and the tree-hollow requirements of bats: insights from the lesser long-eared bat (*Nyctophilus geoffroyi*) and Gould's wattled bat (*Chalinolobus gouldii*) in south-eastern Australia

Linda F. Lumsden, Stephen R. Griffiths, John E. Silins and Andrew F. Bennett



Bats that roost in tree hollows are dependent on sufficient hollows being available to support their behavioural pattern of shifting roost site regularly. Two common and widespread species, the lesser long-eared bat and Gould's wattled bat, showed complex patterns of roost use that varied between and within species. To support populations of bats in rural landscapes of south-eastern Australia, relatively large numbers of hollow-bearing trees in close proximity are required, incorporating a range of hollow types, particularly those preferred for breeding.

Photo by Lindy Lumsden.

[Abstract](#) | [Full Text](#) | [PDF \(893 KB\)](#)

## Bat roosts in Tasmania's production forest landscapes: importance of mature forest for maternity roosts

Lisa Cawthen, Bradley Law, Stewart C. Nicol and Sarah Munks



Mature forest availability and spatial arrangement shape how bats use the landscape. Radio-tracking different species during the maternity season revealed the importance of retaining mature forest at multiple spatial scales. These findings provide insight into the type, amount and spatial arrangement of mature forest used by different bat species in a timber production landscape. By understanding the effectiveness of forest retention measures, on-ground forest management can be improved in the future.

Photo by Lisa Cawthen.

[Abstract](#) | [Full Text](#) | [PDF \(1.1 MB\)](#)

### [Long-term effects of grating derelict mines on bat emergence activity, abundance and behaviour](#)

Leroy Gonsalves, Tamara Potter, Nicholas Colman and Brad Law



Derelict mines can provide habitat for cave-roosting bats but are often grated to prevent human access, with little known about the long-term responses of bats. We assessed the long-term effects of grating on bats and found that although there was rapid habituation to grated mines, altered flight behaviour was present decades after grating and there was little use of these sites by threatened species. This suggests that alternative

management of derelict mines is required to conserve threatened bat roosting habitat.

Photo by Leroy Gonsalves.

[Abstract](#) | [Full Text](#) | [PDF \(1.6 MB\)](#)

### Summer and autumn activity patterns of the eastern bent-wing bat (*Miniopterus orianae oceanensis*) at a large maternity site in southern New South Wales

Doug Mills



Seasonal population changes of *Miniopterus orianae oceanensis* at one of the three large New South Wales maternity colonies (Church Cave) were studied from December to March every year for 12 years when adult females were resident at a maternity site. Five key periods were identified: (1) adult arrival, (2) adult peak, (3) juvenile independence, (4) adult-juvenile peak, and (5) autumn migration. The average duration of the adult peak period was 38 days. All other periods lasted ~14 days.

Photo by Alex Pike (DPIE).

[Abstract](#) | [Full Text](#) | [PDF \(1.4 MB\)](#)

### Effective detection and identification of sheath-tailed bats of Australian forests and woodlands

K. N. Armstrong, J. Broken-Brow, G. Hoye, G. Ford, M. Thomas and C. Corben



The bare-rumped sheath-tailed bat is listed as a threatened species under Australian national environmental legislation. However, it has been difficult to identify from echolocation calls, and surveys are still helping to define its distribution in Australia's remote north. Based on an intensive field survey and acoustic analysis of reference echolocation calls, we present a summary of characters and criteria that can assist with detection and subsequent identification.

Photo by Mikey Kudo.

[Abstract](#) | [Full Text](#) | [PDF \(2.1 MB\)](#)

### [Citizen science implements the first intensive acoustics-based survey of insectivorous bat species across the Murray–Darling Basin of South Australia](#)

Kyle N. Armstrong, Sylvia Clarke, Aimee Linke, Annette Scanlon, Philip Roetman, Jacqui Wilson, Alan T. Hitch and Steven C. Donnellan



In the Murray–Darling Basin, knowledge gaps exist on populations of insectivorous bat species. We implemented the most intensive insectivorous bat survey ever undertaken of the South Australian part of the system with the help of citizen scientists, and doubled the number of bat

species records within just two years. The records are available through the Atlas of Living Australia, are informing government policy, and prompted management actions benefiting bats on private lands.

Photo by Terry Reardon and Steve Bourne.

[Abstract](#) | [Full Text](#) | [PDF \(2.7 MB\)](#)

### Comparative echolocation and foraging ecology of horseshoe bats (Rhinolophidae) and Old World leaf-nosed bats (Hipposideridae)

Chris R. Pavey



The leafnosed bats (Hipposideridae) and horseshoe bats (Rhinolophidae) are of considerable scientific interest both because of their highly sophisticated echolocation system and increasing evidence of their role as natural reservoirs of emerging coronaviruses. Here I compare and contrast the use of echolocation in the two families and examine whether differences in the echolocation system have resulted in differences in their foraging behaviour, habitat and diet.

Photo by Damian Milne.

[Abstract](#) | [Full Text](#) | [PDF \(345 KB\)](#) Open Access Article