



Annual Report of the Trustees

2017

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1. Reference and administrative details

Registered charity name	Quaternary Research Association
Other names	QRA (working name)
Charity registration number	262124
Principal office	1 Kensington Gore, London SW7 2AR, United Kingdom

Trustees

Executive Committee members during the reporting period:
(dates signify the term of office)

President:	Prof Neil Glasser (Aberystwyth) <i>Prof Peter Coxon (Trinity College Dublin)</i>	Jan 2017-20 <i>Jan 2014-17</i>
Vice-President:	Prof David Bridgland (Durham)	Jan 2016-19
Secretary:	Dr Mick Frogley (Sussex)	Jan 2014-18
Treasurer:	Dr Jack Lacey (BGS) <i>Dr Thomas White (Oxford)</i>	Jan 2017-21 <i>Jan 2013-17</i>
Publications Secretary:	Dr Jonathan Lee (BGS)	Jan 2014-18
Editor, <i>Quaternary Newsletter</i> :	Dr Abi Stone (Manchester)	Jan 2016-20
Awards Officer:	Dr Adrian Palmer (Royal Holloway)	Jan 2016-19
Meetings Officer:	Dr Clare Boston (Portsmouth)	Jan 2015-18
Publicity Officer:	Dr Bethan Davies (Royal Holloway)	Jan 2015-18
Outreach Officer:	Dr Barbara Silva (Imperial Design, Middx)	Jan 2012-18
Conservation Officer:	Dr Eleanor Brown (Natural England) <i>Dr Stewart Campbell (Nat. Res. Wales)</i>	Sep 2017-Jan 19 <i>Jan 2016-Sep 17</i>
Ordinary members:	Dr Julie Durcan (Oxford) Dr Andrew Finlayson (BGS) <i>Dr Emma Pearson (Newcastle)</i>	Jan 2017-20 Jan 2015-18 <i>Jan 2014-17</i>
Editor, <i>JQS</i> (ex officio):	Prof Geoff Duller (Aberystwyth)	Dec 2015-19
Postgraduate representatives:	Kristy Holder (Southampton) Rachel Devine (Royal Holloway) <i>Laura Crossley (Southampton)</i> <i>Jack Lacey (Nottingham)</i>	Sep 2017-19 Sep 2016-18 <i>Sep 2015-17</i> <i>Sep 2014-16</i>

2. Structure, governance and management

2.1. Governing document

The Quaternary Research Association was founded in 1964 as the Quaternary Field Study Group and its name was changed to the Quaternary Research Association in 1968. The Association was registered as a charity on 19 February 1971. The charity is controlled by its governing document, a constitution, and constitutes an unincorporated charity. The Constitution was updated and revised on 14 April 1973, as amended 14 April 1981, as amended 24 April 2007, and was most recently amended on the 4th January 2012 at the Annual General Meeting of the Quaternary Research Association.

2.2. Organisational structure

The affairs of the Association are managed by an Executive Committee, which is elected by the membership of the Association. The Executive Committee meets twice a year and various subcommittees within the Executive, designed to encourage the development of strategic initiatives, ideas and developments, also meet once a year and report at the full Executive Committee meetings. All members of the Executive Committee also act as trustees of the charity during their term of office. Most members of the Executive Committee have specific areas of responsibility that they fulfil in order to further the day-to-day running of the charity. These activities are reported at the Executive Committee meetings and to the full membership at the Annual General Meeting. Part-time administrative support (dealing with membership issues, maintaining the membership database, organising printing and distribution of the Association's Newsletter and Circular, and administering sales of the Association's publications) is currently outsourced to Val Siveter (who has fulfilled this role for the QRA for over 10 years).

The Executive Committee includes the following officers: A President and Vice-President, each of whom hold office for up to three years; a Secretary, Treasurer, Newsletter Editor, Publications Secretary, each of whom hold office for up to four years. The Committee also includes a Membership Officer, Meetings Officer, Awards Officer, Publicity Officer, Outreach and External Liaison Officer, Conservation Officer and two further ordinary members, each of whom may serve in this capacity for up to three years. The Committee also include two postgraduate members who may hold office for two years, a new representative being elected at the Annual Postgraduate Symposium in September each year. The Editor of *Journal of Quaternary Science* shall be an Ex Officio member of the Committee for the duration of their term of office.

The names of all those who were the charity's trustees in the reporting period are set out on page 2.

2.3. Trustee recruitment

At least two new members of the Committee are elected each year. Officers are eligible for election as ordinary members of the Committee on completion of their term(s) of office. Ordinary members of the Committee elected as officers may hold office for the period appropriate to the office and are eligible for re-election but may not serve more than two consecutive three-year terms. New members of the Committee are elected by ballot. Officers and ordinary members are nominated by the Committee, and the list of nominations are published in the June Circular. Members of the Association may make additional nominations up to the publication of the October Circular, providing that each nomination is supported by at least two members of not less than one year's standing. Voting shall be on ballot papers published in the October Circular and the result of the ballot shall be announced at the Annual General Meeting.

3. Objectives and activities

3.1. Public benefit statement

The charity trustees have complied with their duty to have due regard to the guidance on public benefit published by the Commission in exercising their powers or duties.

3.2. Charitable objectives

The objective of the Association, as set out in the Constitution, is the advancement of education and research into the Quaternary period of geological time through a programme of activities and by series of publications that are of benefit to the public. The aims of such activities shall be: (i) to enhance understanding of the nature of global environmental processes during the Quaternary period, and (ii) the dissemination of this information to the wider public. To this end we offer ourselves as an educational charity and a learned society.

Quaternary science is concerned with the last ca. 2.6 million years of the Earth's history, a period characterised by major fluctuations in the Earth's climate: the 'Ice Ages'. The Quaternary science community has wide ranging interests, from geology and geomorphology to palaeoecology and scientific dating. Quaternary science is also concerned with issues relating to understanding future climate change and is closely linked to archaeological research, particularly the Palaeolithic (Old Stone Age) period.

Membership costs £20 (ordinary membership) or £10 (students and unwaged) per annum. The low subscription rates make membership accessible to the general public as well as professional scientists, while retaining our ability to run our activities within the limits of health and safety, financial security, and the provision of appropriate insurance indemnity.

3.3. Meeting the advancement of education objective

The Quaternary Research Association advances education in a number of ways:

- The student and unwaged membership has a very low annual subscription fee (£10) and reduced fees are also offered for certain meetings. Postgraduate student members make up around a third of our membership.
- Awards to the value of £30,840 were made in 2016-17, relevant to the Association's educational aspirations. Around half of the awards go to members who pay the lower subscription category.
- The Association typically holds one discussion meeting and 2–3 field meetings per year, run at cost. All contributors to the meetings provide their input free of charge.
- The Association publishes field guides (typically 2–3 per year) and technical guides which are sold at cost to members and at a slightly higher price to non-members (typically an additional £5-6 to cover posting and packing). Authors and contributors to the guides receive no payment.

Advancement of education through meetings (see also section 4.2)

To encourage attendance at the QRA meetings by the post-graduate student and unwaged membership, registration fees are offered at a discount to these members, usually in the region of 50%. In addition, the QRA Conference Fund offers bursaries to postgraduate students whose study area is relevant to the theme of the meeting, further reducing the cost of attendance. Speakers, authors, organisers and other contributors, other than keynote speakers, receive no fee and the meetings are run 'at-cost'. Should there be a surplus, this is deposited in the Quaternary Research Association general fund. The contributions to these meetings largely involve the very latest research, often ahead of official publication, and represent the forefront of our science. The discussion meeting is in the form of lectures and posters, with plenty of opportunity for formal and informal discussion. The field meetings are largely conducted by means of practical demonstrations at sites where research has been (or continues to be) undertaken, such as quarries, excavations, coastal sections or similar localities.

Advancement of education through publications (see also section 4.3)

- **Field Guides:** These are published to accompany field meetings; they are usually ca. 200+ pages long. As stated above, the material in the guides is at the forefront of our knowledge. Attendees at the meetings receive a copy as part of the registration fee. Members are able to purchase copies at an 'at-cost' price (typically £12–£20), covering both the cost of production and postage. These are available to non-members at a small premium (ca. 20%).
- **Technical Guides:** These guides provide up-to-date information on technical developments and innovations in the field. They are particularly useful for students who may be embarking on a research project and are also of interest to the wider membership. Technical Guides cost around £15–£20 (inclusive of postage) and are available to non-members at a small premium (ca. 20%).

- *Quaternary Newsletter* (QN): This is published digitally three times a year and contains a wider range of material, including research papers, meeting reports, reviews, abstracts as well as important announcements concerning the Association. QN is accompanied by a flier that highlights forthcoming meetings and other activities of interest to members, all of which are also detailed on the QRA website: www.qra.org.uk. Members receive both QN and the flier as part of their subscription package.
- *Journal of Quaternary Science* (JQS): This is a major international journal, published on behalf of the QRA by Wiley-Blackwell. JQS publishes research papers on a wide range of topics related to Quaternary science and is global in its coverage. The Editor of JQS is an ex officio member of the QRA Executive Committee and the QRA is represented on the Executive Editorial Board of the journal. Papers in JQS are highly regarded and cited within the Quaternary science community. This is reflected in the Impact Factor of the journal, which currently stands at 2.469, placing the journal 21st (out of 49) in the Physical Geography category and 60th (out of 188) in the Geosciences Multidisciplinary category (ISI Journal Citation Reports, 2016). The Executive Committee of the QRA is responsible for appointing the Editor and other officers involved in managing the journal, and for negotiating contracts with potential publishers. The journal is currently published by Wiley-Blackwell 8–9 times a year, each issue typically having 8–10 research articles. Financial remuneration received from Wiley-Blackwell in the form of royalties (£45,399, 2016–17) is the major income line to the Association and thus supports most of the educational outreach and grants/awards listed below.

Advancement of education through grants and prizes (see also section 4.8)

The Association has a large portfolio of grants schemes, bursaries and prizes. Around £30,000, i.e. more than 50% of the royalties received from Wiley-Blackwell/editing the *Journal of Quaternary Science*, is usually distributed annually; around half this sum goes to postgraduate students who are engaged in research contributing to an educational qualification.

- *Undergraduate Dissertation Prize*: The Quaternary Research Association, in association with the Royal Geographical Society – Institute of British Geographers (RGS-IBG), recognises the achievements of undergraduates in Quaternary science by awarding a dissertation prize for a thesis demonstrating flair and originality. This prize is open to any undergraduate; membership of the QRA or RGS-IBG is not a requirement for entry. The standard was again very high during 2017 with 13 entries in total. Normally 1 award per year, value £250. 1 award in 2017.
- *Radiocarbon Dating Short Course Bursaries*: During 2008 the QRA established this bursary scheme to provide up to three bursaries annually [now bi-annually] to enable members to participate in the two-day radiocarbon dating short course run jointly by the Natural Environment Research Council (NERC), the Arts and Humanities Research Council (AHRC) and Oxford University. The bursaries are intended to cover published course fees only. The scheme is open to any QRA member, although preference is given to first year PhD students who are not funded by NERC or AHRC. The first three awards were made in 2009. Up to 3 awards per year, total value ca. £1000. 3 awards in 2017.
- *QRA-14CHRONO award*: This new award has been set up in collaboration with the 14CHRONO Centre, School of Geography, Archaeology and Palaeoecology, Queen's University Belfast (QUB). Up to 10 AMS dates are awarded during each year; the scheme is open to undergraduate, Masters and first year PhD students only. To be eligible for the scheme, the student must be a member of the QRA at the time of application. Up to 4 awards per year, total value ca. £3120. 3 awards in 2017.
- *The Lewis Penny Medal*: This prize is named after a founder member of the Association and prominent Quaternary scientist, Lewis Penny. It is awarded to a young (normally less than 35 years old) or new research worker, who has made a significant contribution to the Quaternary stratigraphy of the British Isles and its maritime environment. One award annually (including £100 prize money plus travel and accommodation x 1 night). Awarded in 2017 to Dr Stephen Livingstone (University of Sheffield).
- *The James Croll Medal*: This is the highest award of the QRA and is named in honour of James Croll (1821–1890). Croll is most closely associated with fundamental work on the astronomical theory of the ice ages, but he also made seminal contributions on the glacial geology of Scotland, on the mechanisms that drive ocean circulation and the impact of that circulation on recent climate, on tidal theory and the rotation of the Earth. These are all major issues that occupy Quaternary scientists to this day. The Medal is therefore normally awarded to a member of the QRA who has not only made an outstanding contribution to the field of Quaternary science, but whose work has also had a significant international

impact. One award annually (plus travel and accommodation x 1 night). Awarded in 2017 to Professor Jan Mangerud (University of Bergen).

Advancement of education through our outreach programme (see also section 4.6)

The QRA's developing outreach programme offers information and resources useful for secondary and tertiary education as well as containing material and links of more general interest. This is largely provided through the QRA website: www.qra.org.uk. Many of the resources on the website have been designed to be useful for A-level teaching in the subjects of geography and geology; a curriculum links table helps teachers to identify which aspects of Quaternary science are relevant to the subject specifications. Members of the QRA give talks to schools and local groups and, within the Outreach budget, funds are made available to support educational initiatives by other organisations with a relationship to Quaternary science. In addition to the outreach materials hosted on our website, we also sponsor and support other educational initiatives related to our science around the country.

- In 2012 the QRA introduced an *Outreach award* with an aim to develop projects that: (a) increase public understanding of, and engagement with, Quaternary Science; (b) stimulate discussion about Quaternary Science and its implications for past, present and future society; and (c) inspire and enthuse people of all ages about the Quaternary, especially those not previously aware of or interested in the subject. Normally 1 award annually of up to £750.

3.4. Meeting the advancement of research objective

The Quaternary Research Association is a learned society and represents the UK's professional Quaternary Science community both nationally and internationally. The Association's membership includes many internationally recognised scientists as well as students and amateurs.

Advancement of research through grant schemes (see also section 4.8)

- *New Research Workers' Awards*: These awards (up to £1500) typically support field expeditions, geological surveys, coring activities, visits to laboratories, purchase of essential field equipment and laboratory analyses. They are aimed at researchers studying for higher degrees and preference is given to those applicants who have no source of fieldwork funding or whose access to such funds is limited. To be eligible for the scheme, applicants must have been a QRA member for at least 6 months. Normally ca. 10–15 awards per year (total value £9,711 awarded in 2016-17).
- *Quaternary Research Fund*: This is available to all members of the QRA of at least one year's standing, irrespective of age and status, to foster research in any area of Quaternary science. Grants are normally in the range £500 to £1500 and can be used for any purpose deemed suitable by the Awards Panel (typical claims might be to fund field expenses, hire equipment to clean sections, etc.). Normally ca. 10–15 awards per year (total value £15,125 awarded in 2016-17).
- *The Bill Bishop Award*: This award is open to registered full or part-time MPhil/PhD students. It is not a requirement for applicants to be current members of the QRA, but any applicant accepting an award must join the Association at least for the duration of the research (one year minimum). The award is designed to provide support for field-based research in the subject of geology and related sciences in the fields of: (i) Cenozoic stratigraphy, palaeoenvironments and chronology in relation to hominid evolution; and (ii) British Quaternary stratigraphy, palaeoenvironments and geomorphology. One award annually, to a maximum value of £800 (no award in 2016-17).

Advancement of research through dissemination and publication of research findings (see also sections 4.2 – 4.8 inclusive)

- *Quaternary Conference Fund*: The QCF is available to all members of the QRA of at least one year's standing to assist attendance at conferences and field meetings (value up to £750). Priority is given to those with limited alternative sources of funding (particularly postgraduate students). Priority is also given to QRA-sponsored conferences and field meetings. Normally ca. 20–25 awards per year (total value £4,551 awarded in 2016-17).
- *INQUA Conference fund*: The International Union for Quaternary Research (INQUA) holds a major international conference every four years at which delegates from the member associations can present papers or posters, hear the latest advances in Quaternary science and discuss issues with Quaternary scientists they might otherwise never meet. UK Quaternary science is well represented at

all levels of INQUA: the Association typically provides support in excess of ca. £20,000 for a number of delegates (typically around 40) across every level of membership to attend the meetings. INQUA is a very important forum for demonstrating to the international community Britain's achievements in Quaternary science and for ensuring that QRA delegates remain at the forefront of science in this critical area of research. The next INQUA Congress will be held in Dublin in 2019.

Note: Finance and awards

The Awards reporting period has been revised to mirror the financial year (1 August to 31 July); there is consequently some repetition from the September 2016 round compared with the report provided at last year. Also, not all awards cheques are cashed in the relevant financial year. Hence each financial year may include some debits relating to the previous year and any un-cashed cheques are shown as liabilities to be carried over to the next financial year.

3.5. Relationships of the charity to other organisations

The Quaternary Research Association is formally affiliated with both the Geological Society of London and the Royal Geographical Society – with the Institute of British Geographers (RGS-IBG). The QRA is the adhering body to the International Union for Quaternary Research (INQUA); the President of the QRA is the national representative to INQUA and also represents the QRA on the Royal Society's Scientific Unions Committee.

4. Achievements and performance

4.1. Membership of the association

Total membership of the Association stands at 1274 (Table 1).

Table 1. Summary of membership data as of 1 December 2017. *Includes copyright members

	2011	2012	2013	2014	2015	2016	2017	Change (2016–17)
Ordinary Members	581	602	598	636	656	615	682	+67
Postgraduate Members	331	343	344	368	358	289	369	+80
Unwaged/Retired Members	149	141	145	146	147	134	137	+3
Honorary members	28	29	31	35	38	38	41	+3
Institutional members	29	29	37	29	26	21	22	+1
Corresponding members*	19	20	19	23	23	23	23	0
Total Membership	1137	1164	1174	1237	1248	1120	1274	+154

Subscriptions for 2017 were unchanged at £20, with a reduced rate of £10 for students and unwaged members. The institutional membership rate is £35.

4.2. Meetings

The 52nd Annual General Meeting of the Quaternary Research Association was held at University of Durham on 5 January 2017 at 16:00 hours. Thirty-seven members of the Association were in attendance. The meeting was chaired by the President, Professor Pete Coxon.

The President announced that three distinguished Quaternary scientists had been nominated by the Executive Committee for Honorary Member status: Tim Atkinson, Mike Hambrey, and Mike Tooley. The President commented briefly on their outstanding contributions to the Quaternary science community and to the work of the Association. These nominations were agreed unanimously and citations subsequently published in Quaternary Newsletter no. 141 (February 2017).

In furtherance of its charitable objectives, the QRA organises a number of meetings each year. During the period of this report the following meetings were held:

- Annual Discussion Meeting: Quaternary engineering geology - implications for glaciated and periglacial terrains Durham University, 4–7 January 2017. Organisers: David J A Evans, Julian Murton, David Giles, Chris Martin. Attendees: 96. Report: QN 142 (June 2017).
- QRA Short Discussion Meeting: Developments in Quaternary Entomology and Environmental Reconstruction (with special recognition of the academic contributions of Steve Brooks) Natural History Museum, London, 1 June 2017. Organisers: Peter Langdon, Kimberley Davies, Stefan Engels, Martin Hall.
- Joint QRA/SLaCC Meeting: Third Conference Liverpool and Liverpool Bay, 6–8 September 2017. Organisers: Jason Kirby, Andy Plater, Christine Hamilton.
- Field Meeting: The Quaternary of the Vale of Pickering and Environs Scarborough, 8–11 September 2017. Organisers: Paul Lincoln, Laura Eddey, Ian Matthews, Mark Bateman, Adrian Palmer.
- Joint QRA/GA Overseas Field Meeting: The Quaternary of the Yellow River and Environs Lanzhou University, China, 10–18 September 2017. Organisers: Hu Zhenbo, Wang Xianyan, Pan Boatian, David Bridgland, Jef Vandenberghe.
- 22nd Annual QRA Postgraduate Symposium Royal Holloway, University of London, 11–13 September 2017. Organisers: Angharad Jones, Ash Abrook, Dave Arnold, Julian Martin, Lizzy Peneycad, Rachel Devine. Attendees: 46. Report: QN 143 (October 2017).
- Joint QRA/GLWG Field Meeting: Glaciation of the area around Nairn and Forres, Scotland Grantown-on-Spey, 26–29 October 2017. Organiser: Jon Merritt, Clive Auton, Emrys Phillips and Callum Firth.

The QRA also co-sponsored two meetings in 2017-2018: (i) the SISAL working group of PAGES meeting Toward a Global Synthesis of Stable Isotope Records from Speleothems, held at University College Dublin in June 2017 (organized by Laia Comas Bru, Michael Deininger and Sandy Harrison); (ii) the Stable Isotope Mass Spectrometry User Group (SIMSUG) meeting held at BGS Keyworth in July 2017 (organized by Melanie Leng, Carol Arrowsmith, Hilary Sloane, Andi Smith, Chris Kendrick and Jack Lacey).

The Wiley-Blackwell Annual Lecture for 2017 was delivered during the Annual Discussion Meeting held at Durham University, by Chris Burn (Carleton, Canada) entitled Inherited landscapes and infrastructure stability: the case of the Dempster Highway, western Arctic Canada.

4.3. Publications

Quaternary Newsletter

- 3 issues: 141 (Feb 2017), 142 (June 2017), 143 (October 2017)
- Editors: Dr Abi Stone (Manchester)

Journal of Quaternary Science

Volume 32: containing 80 research papers across eight issues, two of which were themed. Issue 2, The Quaternary of the North Sea Basin, was edited by Emrys Phillips and David Hodgson and arose from the 2015 QRA Annual Discussion Meeting held in Edinburgh. Issue 6 consisted of the SHAPE (Southern Hemisphere Assessment of Palaeoenvironments) volume that arose from a session held at the 2015 INQUA meeting in Japan. This was edited by Andrew Lorrey and Rewi Newnham. Editor: Professor Geoff Duller (University of Aberystwyth)

QRA Field Guides

Three new field guides were published: The Quaternary Landscape History of Teesdale and the North Pennines (Evans), The Quaternary of the Vale of Pickering (Lincoln, Eddey, Matthews, Palmer & Bateman) and The Quaternary around Nairn and the Inverness Forth (Merritt, Auton & Philips), each produced to accompany QRA field meetings held in 2017. The publication of field and technical guides continues to form an important part of the Association's activities and play a major role in raising the profile of the QRA and promoting Quaternary science research.

4.4. Research groups

The Research Group scheme is designed to provide a small quantity of start-up funding over a three-year period for specialist Quaternary research groups, with the aim to bring research communities together, foster

communication and provide an opportunity for new research projects to be formulated. The scheme has launched a number of significant research collaborations.

The QRA currently supports one research group, Sea Level and Coastal Change Research Group (SLaCC), which completes its three-year period of funding at the end of 2018. The aim of SLaCC is to draw together scientists from the UK and NW Europe that are actively researching sea-level and coastal changes and the impact of sea-level change on the coastal environment, in the past, present and future. They organise annual meetings to discuss sea-level and coastal change over a range of time and spatial scales but with particular relevance to vulnerable coastal communities within the UK and NW Europe. Their third meeting was held in September 2017 in Liverpool and Liverpool Bay (jointly with the QRA) and a report will appear in a future issue of QN. More information can be found at: dur.ac.uk/geography/slacc/.

4.5. Postgraduate activities

Postgraduate events continue to be an important component of the activities of the Association. The Annual Postgraduate Symposium series continued, with the 2017 event being held at Royal Holloway in September. The meeting was a success and a full write-up of the event has already appeared QN (issue 143, October 2017). Postgraduate interests are represented on the Executive Committee by two members, who are elected at the Annual Postgraduate Symposium (both posts last for two years). The PG representatives also maintain the social media accounts of the Association.

4.6. Outreach

As a registered charity, outreach is an important part of our activities. Our Outreach & External Liaison Officer (Barbara Silva) has continued to develop our profile in this arena and has been pro-active in broadening and improving our outreach web pages (which contain tabs linking to talks and events, educational resources, useful websites and sponsorship).

QRA Undergraduate Dissertation Prize

This prize is administered by staff at the RGS-IGB and submissions are judged independently by examiners Martin Kirkbride (University of Dundee) and Will Fletcher (University of Manchester). The winner of the 2017 prize was Carole Roberts (University College London) for her thesis entitled A multiproxy study investigating ecological responses to acidification in Easedale Tarn, English Lake District, since the early 19th century. The abstract of the winning dissertation was published in the February 2018 issue of Quaternary Newsletter.

QRA Outreach Award

The QRA Outreach Award was launched in 2012 to support projects that increase public understanding of (and engagement with) Quaternary science (see also page 5). Submissions for the award are judged by a sub-committee that includes the Outreach Officer, Treasurer, Secretary, Conservation Officer and either the President or Vice-President. In 2017 the QRA contributed funding towards Virtual Glaciers, an innovative interactive, virtual fieldwork resource being developed by Derek McDougall (Worcester) that supports the teaching in schools about glaciers, both past and present, and their associated geomorphological impacts.

4.7. Geoconservation

The QRA recognises that geoconservation is particularly important at a time when Quaternary sites are under increasing pressure from development and other human impacts. Recognition of the value of conserving Quaternary sites is vital both for the field-based research and education that are essential to advance the science, and also for the wider benefits for the environment and society. The QRA and its members already carry out many activities that support and promote geoconservation, particularly through field and discussion meetings, as well as offering practical support and working with local groups. The role of QRA Conservation Officer on the Executive Committee is to support and encourage these activities, as well as to present the QRA's position on conservation issues. Some of the most important initiatives that the QRA were involved with during 2017 included:

- The Quaternary Research Association is now one of the partners and sponsors of Earth Heritage – The Geological and Landscape Conservation Magazine (earthheritage.org.uk). Earth Heritage Magazine is a free-to-download publication produced twice a year by Natural England, Scottish Natural Heritage,

Natural Resources Wales, the Geologists' Association and the QRA, with major contributions from GeoConservationUK and others in the voluntary geoconservation sector.

- The QRA renewed its support for the refreshed Scottish Geodiversity Charter 2018-2023, and the Conservation Officer represented the QRA at the Charter launch event at Our Dynamic Earth in Edinburgh on 16 November 2017. The QRA will set out how its meeting, research, conservation and outreach activities contribute to the delivery of the Charter, and together with the other 81 signatories we look forward to supporting the Scottish Geodiversity Forum on delivering their emerging action plan for geodiversity in Scotland.
- A new Geoconservation Award has been approved by the Executive and will be available from 2018 onwards. Awards will normally be made up to £1000, although larger requests will be considered. The scheme is open to individuals and organisations to deliver site-based and off-site Quaternary geoconservation, including site clearance, maintenance and recording, conservation through museums, organisation of events and meetings on the theme of Quaternary geoconservation, preparation of material for conservation audits and site selection, and the development and dissemination of guidance and good practice materials on Quaternary geoconservation. There will be two deadlines annually: 1 March and 1 September. Further details and application forms will be made available via the QRA website.
- The QRA continues to liaise with other geological organisations on conservation matters through our membership of the Geological Society's Geoconservation Committee.

4.8. QRA grants and awards

During 2016-17, £30,840 was disbursed by the QRA to 47 of its members under its standard awards schemes (Table 2). A full list of recipients is given in Table 3.

Table 2. Summary of standard awards for 2016-17. ¹Refers only to eligible applications. ²Refers to number of applicants, not the number of dates requested.

Fund	No. of applications		No. funded	Total monies requested (£)	Total monies awarded (£)	% funded ¹
NRWA	Sept '16	2	2	2,000	1,700	85
	Jan '17	4	4	3,993	3,500	88
	May '17	5	5	4,741	4,511	95
	Total	11	11	10,734	9,711	91
QCF	Sept '16	3	3	1,500	1,350	90
	Jan '17	2	2	978	928	95
	May '17	6	6	2,973	2,273	77
	Total	11	11	5,451	4,551	85
QRF	Sept '16	7	7	6,884	6,250	91
	Jan '17	10	8	9,015	6,605	73
	May '17	3	3	2,820	2,270	81
	Total	20	18	18,719	15,125	81
Subtotal		42	40	39,904	29,137	84
PMA 16-17		1	1	190	190	100
Bishop		0	-	-	-	-
Short-course		3	3	-	1,263	100
QUB_C14 ²		3	3	-	-	-
Total		49	47	35,094	30,840	88

Table 3. Successful award recipients in 2016-17.

Name	Institution	Title	Awarded (£)
New Researcher Workers Award (NRWA)			
Adam Bermingham	<i>University of Northumbria</i>	Determining the legacy of long-term anthropogenic impact on biodiversity and ecosystem services in Belize	785
Jerushah Jardine	<i>University of East London</i>	Peat pool pattern change in response to external pressures	800
Ardinel Lovell	<i>University of Newcastle</i>	Determining the controls on glacier change in the Annapurna and Manaslu region of Nepal	900
Julian Martin	<i>Royal Holloway, University of London</i>	The influence of ice-dammed palaeolakes in controlling the late Pleistocene to Holocene extent and dynamics of Monte San Lorenzo outlet glaciers in Patagonia	996
Melissa Menderova	<i>University of Edinburgh</i>	<i>Mammuthus</i> in Europe: early evolution and origin	900
Robyn Pinder	<i>University of Aberystwyth</i>	A new chronology for the Middle Stone Age site of Florisbad, South Africa, using luminescence dating	860
Zoe Roseby	<i>University of Southampton</i>	Reconstructing the deglacial history of Anvers Palaeo-Ice Stream Trough, western Antarctic Peninsula.	900
Juliet Sefton	<i>Durham University</i>	Improved sea-level estimates from mangrove swamp records	910
Anne Stefaniak	<i>Nottingham Trent University</i>	Evaluating the roles of debris supply and ice dynamics in supraglacial lake formation in the Italian Alps	960
Paul Weber	<i>University of Portsmouth</i>	Ice marginal processes and retreat dynamics of the plateau icefield Øksfjordjøkelen, northern Norway	900
Stephen Zhang	<i>University of Bristol</i>	<i>Mammuthus</i> in Europe: early evolution and origin	800
Quaternary Conference Fund (QCF)			
Benjamin Bell	<i>University of Manchester</i>	SIMGSUG 2017 – (Stable Isotope Mass Spectrometry User Group), Nottingham	273
Clare Boston	<i>University of Portsmouth</i>	EGU 2017	500
Martin Brader	<i>Durham University</i>	EGU 2017	450
Julie Durcan	<i>University of Oxford</i>	15th International Conference on Luminescence and Electron Spin Resonance Dating, Cape Town, South Africa.	400
Nicholas Felstead	<i>Swansea University</i>	El Hombre Temprano en America (8 th International Symposium “Early Man in America”), Mexico City	450
Geraint Jenkins	<i>University of Aberystwyth</i>	15th International Conference on Luminescence and Electron Spin Resonance Dating, Cape Town, South Africa	400
Angharad Jones	<i>Royal Holloway University of London</i>	SVP 2017 77th Annual Meeting, Calgary, Canada	400
Lauren Shotter	<i>University of Portsmouth</i>	PAGES Open Meeting, Zaragoza, Spain	478
Rachel Smedley	<i>University of Keele</i>	15th International Conference on Luminescence and Electron Spin Resonance Dating, Cape Town, South Africa	400
Aayush Srivastava	<i>University of Oxford</i>	9th International Conference on Geomorphology (9th ICG), New Delhi, India	400

S. Tarlati	<i>Ulster University</i>	AGU Fall Meeting 2016	400
Quaternary Research Fund (QRF)			
Rob Barnett	<i>University of Exeter</i>	Field and laboratory work on marine cores at the University of Quebec	1000
Louise Best	<i>University of Durham</i>	Relative sea-level constraints from isolation basins on the Isle of Skye	700
Marianne Ecker	<i>University of Toronto</i>	Excavation of archaeologically-rich gravels in the Northern Cape Province, South Africa	800
Althea Davies	<i>University of St. Andrews</i>	Herbivore abundance using coprophilous fungal spores	800
Bethan Davies	<i>Royal Holloway, University of London</i>	Timing of a Late Glacial readvance of the Monte San Lorenzo Ice Cap, Patagonia: implications for southern hemisphere mid-latitude palaeoclimate	900
Michelle Farrell	<i>University of Hull</i>	A pilot study of pollen preservation in Ghar Dalam Cave, Malta	800
Steven Gale	<i>University of Sydney</i>	Dating the sediments of Crater Lake Lanoto in Samoa, SW Pacific	790
Darren Jeffers	<i>University of Oxford</i>	Long term trends and extremes in Eastern Mediterranean Cyclones during the Holocene	800
Neil Loader	<i>Swansea University</i>	Assessing the potential of native Scots Pine for isotope-supported dendrochronology	690
Harold Lovell	<i>University of Portsmouth</i>	Using GPR to characterize the 3D architecture and genesis of the Brampton Kame Belt	937
Julian Murton	<i>University of Sussex</i>	High resolution sediment analysis of loess at Pegwell Bay, Kent	900
Stephanie Mills	<i>Plymouth University</i>	Outburst flood magnitude and frequency in Iceland	800
Sayantani Neogi	<i>University of Cambridge</i>	Geoarchaeological research at Mimi Cave, Nagaland, India	800
Eric Portenga	<i>University of Michigan</i>	Erosion response to the arrival of humans and anthropogenic fires in Australia	820
Rick Schulting	<i>University of Oxford</i>	Characterising strontium isotope variation along the Suwanee River, Florida	750
Ellen van Asperen	<i>University of Durham</i>	Identifying grazing impacts in the palaeoecological record	888
Martin van Haardenbroeck	<i>University of Southampton</i>	Application of dual $\delta^{13}\text{C}/\delta^{15}\text{N}$ analysis on plant and animal remains, Lochan nam Fear, Scotland	1000
Rob Westaway	<i>University of Glasgow</i>	Casewick Middle Pleistocene site	950
QRA-14CHRONO Centre Radiocarbon Dating Award			
Amy McGuire	<i>University of Cambridge</i>	Abrupt change in the Quaternary record of north-west Greece	3 dates
Matthew Nichols	<i>University of Southampton</i>	Late Pleistocene variability of Mediterranean Outflow Water: regional to global implications	3 dates
Dael Sassoon	<i>University of Manchester</i>	Land cover change and restoration of ancient woodlands in North Wales	3 dates
Postgraduate Meetings Award (PMA)			
Freya Hosfield	<i>Durham University</i>	QRA Field Meeting: The Quaternary of the Vale of Pickering and environs, Scarborough	190
Radiocarbon Short Course, University of Oxford			
Charlotte Slaymark	<i>University of Glasgow</i>		

Juliet Sefton	<i>Durham University</i>
Kristy Holder	<i>Swansea University</i>
James Croll Medal Jan Mangerud (<i>Bergen</i>)	
Lewis Penny Medal Stephen Livingstone (<i>Sheffield</i>)	

Full details of all QRA grants and awards are available on the QRA website: www.qra.org.uk/grants.

5. Financial review

5.1. Introduction

This Report covers the period 1 August 2016 to 31 July 2017. Accounts are detailed in tables 4 and 5. The Association's financial activities have been generally comparable to previous years and remain healthy and stable.

5.2. Income

In total, the Association's income from subscriptions and book sales amounted to £19,453. This comprises £11,250 from membership subscriptions paid via standing order, £1,205 from book sales paid by cheque, and £6,998 from subscriptions and book sales paid for online through the QRA's website via the Stripe payment system. The Association continues to receive a significant amount from Wiley as a profit-share from the publication of *Journal of Quaternary Science* (JQS), which totalled £45,399, and royalties from the Publisher's Licensing Society amounted to an additional £895. The Royal Society contribution towards the UK's membership of INQUA was £6,257, which continues to support the UK as a top-level INQUA contributor. The QRA Treasurer has responsibility for administering a fund from Wiley for the JQS Editorial Board, which is ring-fenced for use on JQS expenses (honoraria, meeting expenses). The payment for 2017 of £15,000 was brought forward into financial year 2016-17 and so, together with the payment for 2016 of £14,000, the total payment from Wiley amounted to £29,000. Overall, the Association's working income (subscriptions, book sales, royalties) for financial year 2016-17 was £65,747, and total income was £104,232.

5.3. Expenditure

Day-to-day running costs of the Association have decreased from £20,141 to £16,056, which is principally due to a reduction in printing and postage costs following the transition to digital distribution of *Quaternary Newsletter*. The Association's budget to support activities through grants, awards, and sponsorship increased to £32,370 from last year's total of £29,083. The UK subscription to INQUA for 2016 was £12,921. Overall expenditure for 2016-17 was £80,465.

5.4. Year-end financial status

At the end of July 2017, the Association held:

- £ 82,057.39 in our Bank of Scotland Treasurer's Account
- £ 27,501.93 in our Bank of Scotland Publications Account
- £ 89,093.23 in our HSBC Community Account
- £ 40,533.94 in our HSBC Manager's (savings) Account

The Association started the 2016-17 financial year with total funds of £215,419.89 and ended with £239,186.49. As always, the Treasurer will aim to break-even within the financial year. Ring-fenced sums within our holdings include approximately £15,300 held in trust for the Bill Bishop Award, £85,500 for the INQUA fund, £5000 for the Lewis Penny Medal, £21,300 for administering the JQS Editorial Board, and £30,000 is designated to meet any unexpected liabilities.

5.5. Plans for future periods

Renegotiation of the QRA's JQS contract with Wiley-Blackwell is predicted to increase the Association's annual royalty income. To balance the higher working income, and following discussion at the 2017 AGM in Durham, the Executive Committee agreed in May 2017 that spending on selected standard awards will increase. The increase in limits for the QCF (from £500 to £750) and the NRWA and QRF (each from £1000 to £1500) was applicable from September 2017. In addition, funding will be made available for two new awards. A Geoconservation Award will be available from 2018 onwards and will normally be made up to £1000, although larger requests will be considered. A prestigious 'QRA Award' with an upper limit of £5000 has also been approved by the Executive to support an outstanding application of scientific excellence for fieldwork expeditions and/or innovative laboratory-based projects. The Treasurer and Awards Officer will continue to monitor the amount of funding set aside for awards, and the Association is actively reviewing its financial strategy going forward in order to best utilise the projected operating surplus derived from the JQS contract renegotiation. The QRA's financial position means that we will be available to provide important funding opportunities for the 2019 INQUA Congress in Dublin.

5.6. Auditing

The finances were examined internally by Dr Thomas White and have been independently examined by Mr Mark Estwick.

The trustee's annual report was approved on 24/05/2018 and are signed on behalf of the Executive Committee (trustees) by:



Professor Neil Glasser
President



Dr Helen Roe
Honorary Secretary



Dr Jack Lacey
Treasurer

6. Statement of financial activities

Table 4. Income and expenditure for the year ended 31 July 2017.

		2016-17	2016-17	2016-17	2015-16
	Note	Unrestricted funds	Restricted funds	Total funds	Total funds
		(£)	(£)	(£)	(£)
Income					
Donations		318	0	318	318
Subscriptions and book sales	4	19,453	0	19,453	23,358
Royalties	5	46,294	0	46,294	46,786
Wiley JQS Editorial Board	6	0	29,000	29,000	14,000
Royal Society INQUA Support	7	0	6,257	6,257	5,480
Other income	8	2,909	0	2,909	6,533
Total income		68,974	35,257	104,232	96,475
Expenditure					
Running costs	9	16,056	0	16,056	20,141
Publications		1,553	0	1,553	6,417
Grants, awards, and support	10	32,370	0	32,370	29,083
Wiley JQS Editorial Board	11	0	11,108	11,108	11,040
Other expenditure	12	13,121	6,257	19,378	4,135
Total expenditure		63,100	17,365	80,465	70,815
Net income/(expenditure)		5,874	17,892	23,767	25,660
Reconciliation of funds:					
Total funds brought forward		106,256	109,164	215,420	189,760
Total funds carried forward		112,130	127,056	239,186	215,420

The notes on pages 17 to 22 form part of these financial statements.

7. Statement of financial position

Table 5. Assets and liabilities as at 31 July 2017.

	Note	2016-17 (£)	2015-16 (£)
Cash funds			
Bank of Scotland Treasurer's Account		82,057	70,489
Bank of Scotland Publications Account		27,502	26,297
HSBC Community Account		89,093	78,119
HSBC Manager's Account		40,534	40,514
Total net assets		239,186	215,420
 Funds of the charity	13		
Restricted funds	14		
Bill Bishop Fund		15,255	15,255
Lewis Penny Fund		5,000	5,000
INQUA Fund		85,500	85,500
Wiley JQS Editorial Board		21,302	3,409
		127,056	109,164
 Unrestricted funds			
QRA General Fund		82,130	76,256
Unexpected Liabilities Designated Fund		30,000	30,000
		112,130	106,256
 Total charity funds		239,186	215,420

The notes on pages 17 to 22 form part of these financial statements.

These financial statements were approved by the Trustees and authorised for issue on 24/05/2018, and are signed on behalf of the Executive Committee by:



Professor Neil Glasser
President



Dr Helen Roe
Honorary Secretary



Dr Jack Lacey
Treasurer

8. Notes to the financial statements

1. General information

The Quaternary Research Association is a registered charity (#262124) operating throughout England and Wales, Northern Ireland, and Scotland and is unincorporated. The registered office is 1 Kensington Gore, London SW7 2AR. The Association constitutes a public benefit entity.

2. Statement of compliance

The accounts have been prepared in accordance with the Charities Act 2011.

3. Accounting Policies

Basis of preparation

The accounts are prepared on a receipts and payments basis in pounds sterling (£), which is the functional currency of the Association. Monetary amounts in these accounts are rounded to the nearest £.

Going concern

The Trustees do not consider that there are any material uncertainties related to events or conditions that cast significant doubt on the Association's ability to continue as a going concern.

Fund Accounting

Unrestricted funds are spent or applied at the discretion of the Trustees to further any of the Association's purposes.

Designated funds are a portion of the unrestricted funds set aside by the Trustees for a particular future project or commitment.

Restricted funds may only be spent for a particular purpose of the charity. Unrestricted funds may be used to supplement expenditure made from restricted funds.

Income

Income is the inflow of economic benefits to the Association from the activities that it undertakes. All income is included in the statement of financial activities when entitlement has passed to the Association. The following specific policies are applied to particular categories of income:

- Income from subscriptions are stated on a receipts basis and no adjustment is made to account for late receipt; delayed payment of a member's subscription may be due to that member choosing not to renew their subscription.
- Grant or donation income is accounted for when there is evidence of entitlement, receipt is probable, and the amount can be measured reliably.
- No income amount is included for the contribution of volunteers.

Expenditure

Expenditure is the amount of a charity's resources that have been spent or otherwise used up in carrying out its activities. The Association is not registered for VAT and accordingly irrecoverable VAT is registered under headings of the statement of financial activities to which it was incurred. The following specific policies are applied to particular categories of expenditure:

- Expenditure on charitable activities includes all costs incurred by the Association in undertaking activities that further its charitable aims for the benefit of its beneficiaries, including those support costs and costs relating to the governance of the Association apportioned to charitable activities. Expenditure on charitable activities, for example awards or meeting support transactions, is accounted for when paid.
- All expenditure is allocated to categories reflecting the use of the resource. Direct costs attributable to a single activity are allocated directly to that activity. Shared costs are apportioned between the activities they contribute to on a reasonable, justifiable, and consistent basis.
- Meetings are organised by meeting leaders (volunteers), usually with the assistance of the host institution, who handle all aspects of income and expenditure for the meeting. Meetings need to be

self-financing and so registration fees should cover costs. Following the meeting, the organisers provide the Association with a financial statement of income and expenditure associated with the meeting and return any financial surplus to the Association, which is accounted for on receipt as net income.

Trustee's expenses are the reimbursement by the Association of costs incurred by its trustees in carrying out their duties and similar payments made by the Association direct to third parties on their behalf. Trustee expenses are paid in accordance with Charity Commission Guidance CC11 (Trustee expenses and payments; issued March 2012).

4. Income from subscriptions and book sales

	2016-17	2015-16
	Unrestricted funds	Unrestricted funds
	(£)	(£)
Subscriptions and book sales		
Membership subscriptions	11,250	12,142
Book sales	1,205	1,892
Subscriptions/book sales (Stripe)	6,998	9,324
	19,453	23,358

5. Income from royalties

The Association receives annual royalties from Wiley on subscription and article sales revenue for *Journal of Quaternary Science*, not including income from Open Access Article Publication Charges (based on the contract up to end-2016). In addition, licensing revenue payments are dispersed to the Association from the Publishers' Licensing Services (PLS).

	2016-17	2015-16
	Unrestricted funds	Unrestricted funds
	(£)	(£)
Royalties		
Wiley <i>Journal of Quaternary Science</i>	45,399	44,055
Publishers' Licensing Services	895	2,731
	46,294	46,786

6. Income from Wiley JQS Editorial Board

The Association assumed responsibility for administering a fund for the *JQS* Editorial Board in 2014-15. This money is ring-fenced for use on *JQS* expenses.

	2016-17	2015-16
	Restricted funds	Restricted funds
	(£)	(£)
Wiley JQS Editorial Board		
Payment for 2015	0	14,000
Payment for 2016	14,000	0
Payment for 2017	15,000	0
	29,000	14,000

7. Income from Royal Society INQUA Support

The Association is the adhering body to the International Union for Quaternary Research (INQUA), and the President of the Association is the national representative to INQUA. The Association is responsible for paying

51% of the annual UK subscription to INQUA from its own unrestricted funds, with the Royal Society contributing the remaining 49% of the balance. The funds received from the Royal Society are ring-fenced for the UK INQUA subscription payment (see note 13 and 14).

8. Other income

	2016-17	2015-16
	Unrestricted funds	Unrestricted funds
	(£)	(£)
Other income		
Surplus on meetings	1,810	2,045
Bank refunds	1,080	1,810
Advertising	0	1,500
Returned awards	0	1,150
Bank interest	19	28
	2,909	6,533

Bank refunds

Three Quaternary Conference Fund award payments (of £360) each made to internal members of the QRA were returned by the bank during 2016-17. The international payments were rejected by the overseas receiving bank.

9. Expenditure on running costs

	2016-17	2015-16
	Unrestricted funds	Unrestricted funds
	(£)	(£)
Running costs		
Newsletter and circular printing	2,936	4,760
Newsletter postage	3,055	6,099
Administration support	6,000	6,000
Postage and stationary	455	394
Executive Committee costs	2,425	1,784
Insurance premium	1,185	1,103
	16,056	20,141

Newsletter and circular printing

The publication cost for *Quaternary Newsletter* (QN) 140/Circular was £2,106, QN 141/Circular £532, and QN 142/Circular £298. Following publication of QN 140, the Association's newsletter and circular were made available to members as a digital document; printing and postage costs were therefore reduced.

Administration support

Administration support, including dealing with membership issues, maintaining the membership database, organising printing and distribution of the Association's Newsletter and Circular, and administering sales of the Association's publications, is outsourced to Val Siveter.

Executive Committee costs

Fifteen Trustees have had their expenses met by the Association during the period. The total amount of expenses reimbursed to the trustees was £2,425. The payment of these expenses related to attendance of Executive Committee meetings (£1,343) and attendance of the Annual General Meeting (£900), and the cost of undertaking the functional duties within the Association (£182). None of the trustees have been paid any remuneration or received any other benefits from an employment with the Association during the period.

10. Expenditure on grants, awards, and support

	2016-17	2015-16
	Unrestricted funds	Unrestricted funds
	(£)	(£)
Grants, awards, and support		
New Research Workers' Award	9,711	10,560
Quaternary Research Fund	12,895	8,805
Quaternary Conference Fund	5,311	5,599
Postgraduate Meetings Award	190	0
Outreach Award	1,750	750
Undergraduate Dissertation Prize	250	500
Support for delegates to INQUA Congress	0	1,649
C14 bursaries	1,263	0
Croll and Lewis Penny Medals (ADM travel)	0	220
Postgraduate conference	500	500
Sub-group support	500	500
	32,370	29,083

For more information about the Association's grants and awards see section 3.3, 3.4, and 4.8 of the Trustee's Annual Report, and table 2 and 3 for a summary of standard awards and successful award recipients during the period. Full details of all QRA grants and awards are available on the QRA website: www.qra.org.uk/grants.

11. Expenditure on Wiley JQS Editorial Board

	2016-17	2015-16
	Restricted funds	Restricted funds
	(£)	(£)
Wiley JQS Editorial Board		
JQS Editors' honoraria	9,000	9,000
JQS Editorial Board expenses	2,108	2,040
	11,108	11,040

12. Other expenditure

	2016-17	2016-17	2016-17	2015-16
	Unrestricted funds	Restricted funds	Total funds	Total funds
	(£)	(£)	(£)	(£)
Other expenditure				
Refunds	24	0	24	275
Meetings	3,691	0	3,691	2,554
Catering and room hire	963	0	963	290
UK INQUA subscription	6,664	6,257	12,921	0
Website	660	0	660	510
Dissertation prize administration	0	0	0	200
Medals (striking/engraving)	19	0	19	36
QRA archives	940	0	940	0
Bank charges	160	0	160	268
	13,121	6,257	19,378	4,135

Meetings

The Association supported eight meetings during the period at a cost of £3,691 to the Association. See section 3.3 and 4.2 for further details of the Association's meetings.

Dissertation prize administration

The Association's Undergraduate Dissertation Prize is administered by staff at the Royal Geographical Society (with the Institute of British Geographers), at a cost of £200 to the Association.

13. Analysis of charitable funds

Fund name	Fund balances brought forward (£)	Income (£)	Expenditure (£)	Net income/ (expenditure) (£)	Fund balances carried forward (£)
Restricted funds					
Bill Bishop	15,255	0	0	0	15,255
Lewis Penny	5,000	0	0	0	5,000
INQUA	85,500	0	0	0	85,500
Wiley JQS Editorial Board	3,409	29,000	11,108	17,892	21,301
Royal Society INQUA	0	6,257	6,257	0	0
	109,164	35,257	17,365	17,892	127,056
Unrestricted funds					
QRA General	76,256	68,974	63,100	5,874	82,130
Unexpected liabilities	30,000	0	0	0	30,000
	106,256	68,974	63,100	5,874	112,130
Total funds	215,420	104,232	80,465	23,767	239,186

14. Restricted funds

The Association is responsible for some restricted funds.

Bill Bishop Fund

The Fund supports the Bill Bishop Award, which is designed to provide support for field-based research in the subject of geology and related sciences in the fields of: (i) Cenozoic stratigraphy, palaeoenvironments and chronology in relation to hominid evolution; and (ii) British Quaternary stratigraphy, palaeoenvironments and geomorphology.

Lewis Penny Fund

The Fund supports the Lewis Penny Medal, which is named after a founder member of the Association and prominent Quaternary scientist, Lewis Penny.

INQUA Fund

In 1977 the UK was host to the 10th INQUA Congress in Birmingham. The surplus generated from that event had been held in trust by the Royal Society on behalf of the Association, and the Association took control of the fund in 2012. The Association releases (unrestricted fund) monies in addition to the accumulated interest from this fund to support Association members attending the quadrennial INQUA Congress.

Wiley JQS Editorial Board

The Association administers editorial expenses for the Journal of Quaternary Science on behalf on Wiley. The Association receives an annual payment to cover editorial board meeting expenses (£14,000) and to support an overseas speaker (£500) for the Wiley Lecture given at the Association's Annual Discussion Meeting.

Royal Society INQUA

The Association receives 49% of the annual UK subscription to INQUA from the Royal Society, contributing the remaining 51% of the balance from its own unrestricted funds. The funds received from the Royal Society are ring-fenced for the INQUA subscription payment. See note 7 for further details.

15. Prior period errors

Two errors have been corrected for the prior period (2015-16). Subscription payments were corrected from £12,161 to £12,142, and book sales corrected from £1,925 to £1,892. Income from subscriptions and book sales was accordingly corrected from £23,410 to £23,358, and total income was corrected from £96,526 to £96,475.

16. Future expenditure and commitments

See section 5.4 of the Trustee's Annual Report for details.

Independent examiner's report on the accounts



CHARITY COMMISSION
FOR ENGLAND AND WALES

Section A

Independent Examiner's Report

Report to the trustees/
members of

Charity Name
Quaternary Research Association

On accounts for the year
ended

31st July 2017

Charity no
(if any)

262124

Set out on pages

(remember to include the page numbers of additional sheets)

Respective
responsibilities of
trustees and examiner

The charity's trustees are responsible for the preparation of the accounts. The charity's trustees consider that an audit is not required for this year under section 144 of the Charities Act 2011 ("the Charities Act") and that an independent examination is needed.

It is my responsibility to:

- examine the accounts under section 145 of the Charities Act,
- to follow the procedures laid down in the general Directions given by the Charity Commission (under section 145(5)(b) of the Charities Act, and
- to state whether particular matters have come to my attention

Basis of independent
examiner's statement

My examination was carried out in accordance with general Directions given by the Charity Commission. An examination includes a review of the accounting records kept by the charity and a comparison of the accounts presented with those records. It also includes consideration of any unusual items or disclosures in the accounts, and seeking explanations from the trustees concerning any such matters. The procedures undertaken do not provide all the evidence that would be required in an audit, and consequently no opinion is given as to whether the accounts present a 'true and fair' view and the report is limited to those matters set out in the statement below.

Independent
examiner's statement

In connection with my examination, no material matters have come to my attention (~~other than that disclosed below~~ *) which gives me cause to believe that in, any material respect:

- the accounting records were not kept in accordance with section 130 of the Charities Act; or
- the accounts did not accord with the accounting records; or
- the accounts did not comply with the applicable requirements concerning the form and content of accounts set out in the Charities (Accounts and Reports) Regulations 2008 other than any requirement that the accounts give a 'true and fair' view which is not a matter considered as part of an independent examination.

I have come across no other matters in connection with the examination to which attention should be drawn in this report in order to enable a proper understanding of the accounts to be reached.

* Please delete the words in the brackets if they do not apply.

Signed:

Date:

23/5/18

Name: Mark Estwick .

Relevant professional
qualification(s) or body
(if any):

FCCA .

Address:

20 Thurnall Avenue

Royston.

SG8 9ER .

Section B

Disclosure

Only complete if the examiner needs to highlight material matters of concern (see CC32,
Independent examination of charity accounts: directions and guidance for examiners).