



Trustees' Annual Report for the period

Period start date			Period end date		
8	JULY	2020	31	DEC	2021
From			To		

Section A Reference and administration details

Charity name

SOCIETY FOR THE HISTORY OF ALCHEMY AND CHEMISTRY

Other names charity is known by

SHAC

Registered charity number (if any)

1190304

Charity's principal address

45 THE DRIVE

ISLEWORTH

Postcode

TW7 4AA

Names of the charity trustees who manage the charity

	Trustee name	Office (if any)	Dates acted if not for whole year	Name of person (or body) entitled to appoint trustee (if any)
1	F A J L JAMES	CHAIR (Officer)		
2	R A JOHNSTONE	TREASURER (Officer)		
3	A E WOODMAN	SECRETARY (Officer)	08.07.20 to 27.11.20	
		AMBIX SECRETARY (Officer)	27.11.20 to 31.12.21	
4	B T MORAN	JOURNAL EDITOR (Officer)		
5	C A COBBOLD	MEMBERSHIP SECRETARY (Officer)		
6	C J CAMPBELL	SECRETARY (Officer)	27.11.20 to 31.12.21	
7	R G W ANDERSON			
8	J M RAMPLING			
9	S WERRETT			
10	P J FORSHAW			
11	S CLUCAS			
12	H CHANG			
13	V M QUIRKE			
14	D G HEDESAN			
15	T TAAPE			
16	L M PRINCIPE			

17	S J E ROBERTS			

Names of the trustees for the charity, if any, (for example, any custodian trustees)

Name	Dates acted if not for whole year

Names and addresses of advisers (Optional information)

Type of adviser	Name	Address

Name of chief executive or names of senior staff members (Optional information)

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Section B Structure, governance and management

Description of the charity's trusts

Type of governing document (eg. trust deed, constitution)	Operated from 01.01.2021 under constitution adopted at creation of CIO on 08.07.2020.
How the charity is constituted (eg. trust, association, company)	Association of 292 members (number at year end 2021).
Trustee selection methods (eg. appointed by, elected by)	<p>With 42 days' clear notice before each AGM of the Society, the Trustees will advise members of the Society of the identities of –</p> <ul style="list-style-type: none"> (a) Trustees who wish to continue as such and under the Constitution are permitted to do so without reappointment at the AGM; (b) Trustees who wish to continue as such and are seeking reappointment at the AGM as required by the Constitution; and (c) nominees of the existing Trustees for new appointments as Trustees at the AGM – <p>and members of the Society will be invited to make further nominations. Such further nominations must be made with the written consent of the nominee and with no less than 28 days' clear notice before the AGM.</p> <p>Trustees serve for 3 years after which they retire or are re-elected subject to competitive nomination. The trustees may fill casual vacancies but their choice must be ratified at the next AGM.</p>

Additional governance issues (Optional information)

You **may choose** to include additional information, where relevant, about:

- policies and procedures adopted for the induction and training of trustees;
- the charity's organisational structure and any wider network with which the charity works;
- relationship with any related parties;
- trustees' consideration of major risks and the system and procedures to manage them.

A Risk Register, including measures put in place to minimise risk, was approved by the Trustees at the Council meeting on 18.03.22.

No fraudulent activity has been detected during the year.

Summary of the objects of the charity set out in its governing document

The scholarly study of all aspects of the history of the chemical sciences (including alchemy), the holding of meetings for the presentation and discussion of scholarly papers, either on its own or in conjunction with other learned societies, and the publication of relevant material, especially in the *Journal of the Society*, currently called *Ambix*.

Summary of the main activities undertaken for the public benefit in relation to these objects (include within this section the statutory declaration that trustees have had regard to the guidance issued by the Charity Commission on public benefit)

The trustees in 2020-21 have had due regard to guidance on public benefit published by the Charity Commission. The trustees believe that a broad understanding of the history of the chemical sciences (including alchemy) is of benefit to the public by helping them to understand the place of chemistry in society and culture over the centuries. As a learned society it aims to advance education, the arts, culture, heritage and science through scholarly and/or curatorial activity relating to the history of alchemical and chemical science in any part of the world. Specifically, the charity achieved this by the following:

The charity's scholarly journal *Ambix* has for over 80 years been a major means of academic scholarly exchange, and therefore is of public benefit. It is sold to institutions and libraries, as well as distributed to members (annual membership fee in 2020 and 2021 was £40, reduced to £30 for retired members of 10 years' standing and to £25 for students). There were 55,178 downloads of articles published in *Ambix* and its back catalogue (dating from 1937) from 1 July 2020 through to 31 December 2021. The net surplus from membership subscriptions and this publishing activity (together with any donations and interest on deposits), supports a range of further activities benefiting the public:–

(i) The Society provides study grants to members who are students, early career researchers and independent scholars (membership being open to anyone).

(ii) The Society organises and funds scholarly meetings, workshops, seminars and webinars, attendance at which is not confined to members.

(iii) The Society's substantial newsletter *Chemical Intelligence* is available free to the general public online; it advertises and reports not only the Society's events and activities but those of other organisations involved in the history of alchemy and chemistry. The Society also maintains a website with similar objectives.

(iv) *Sources of Alchemy and Chemistry*, an occasional supplement to *Ambix*, is available at no extra cost to full institutional subscribers to the relevant annual volume of *Ambix* and to members subscribing for the relevant year. The first supplement was also available at a subsidised price to the general public.

(v) The Society's Morris Award, Partington Prize, and Oxford Part II Prize are awarded to scholars from time to time regardless of whether they are members of the Society.

NB: In 2020 and 2021 the trustees have adapted the Society's operations and activities in response to the restrictions on face-to-face meetings and travel during the covid-19 pandemic.

Additional details of objectives and activities (Optional information)

You **may choose** to include further statements, where relevant, about:

- policy on grantmaking;
- policy programme related investment;
- contribution made by volunteers.

The charity relies heavily on the contributions of volunteers, without whose efforts the Charity would be unable to operate. Without the extensive efforts of officers over several years the transition of operations (etc) from 313777 to 1190304 would not have been possible.

Summary of the main achievements of the charity during the year

In 2020 there was no activity for the CIO beyond its registration on 08.07.20 and a Trustees Meeting held on 25 September 2020 at which the following resolutions were agreed.

1. The Council of Society of Alchemy and Chemistry (Charity Reg. No. 1190304) agree that this Charity will accept the transfer of the operations, assets, liabilities of Charity Number 313777 and the admission of the members of Charity Number 313777 with effect from 01 January 2021 subject to the prior agreement of the members of Charity Number 313777 at their next AGM to be held in November 2020.

2. The Council of Society of Alchemy and Chemistry (Charity Reg. No. 1190304) acknowledges that this charity should become the sole member and sole trustee of Charity Number 313777 with effect from 1 January 2021 provided that membership of Charity 313777 has agreed to the changes the constitution of the said Charity 313777 as proposed by the Council of Charity Number 313777 in resolution 3 of their meeting on 25th September 2020.

Agreement of the members of Charity 313777 and the ratification of the officers and trustees of SHAC 313777 as officers and trustees of SHAC 1190304 was given at the AGM of 313777 held on 27 November 2020.

The main achievements of the Charity 313777 have already been covered in the TAR for 2020. The Annual Return for Charity 313777 for 2021 has been submitted. With zero income and zero expenditure for Charity 313777 in 2021 no TAR or Accounts are required for Charity 313777.

The AGM for 2020 for Charity 1190304 was held on 7 January 2022 on Zoom.

Below are the main achievements of the new charity 1190304 for the year 2021.

Meetings

The Society continued its series of free online seminars open to all, with recordings placed on SHAC's YouTube Channel. The following speakers presented papers: Jo Hedesan, Megan Piorko, Simon Werrett, Alan Rocke, Robert Bud, Mariana Sanchez-Daza and John Christie and Viviane Quirke.

On 14 and 15 May 2021 SHAC and the Royal Photographic Society organised *Wedgwood 250*, an online meeting to mark the 250th anniversary of the birth of Tom Wedgwood on 14 May 1771, now best remembered for his 1802 paper in which he outlined a chemical method of preserving an image. Papers were presented by Tom Wedgwood, Geoff Batchen, Lucy Lead, Michael Gray, Brian Dolan, Tim Fulford, Catrin Jones, Michael Pritchard and Rose Teanby.

Publications

Ambix: The Society published four issues of its scholarly journal *Ambix* in 2021. February 2021 (volume 68, number 1) included papers by Alan Rocke, Mike A. Zuber, Mark I. Grossman, José Ramón Bertomeu Sánchez and Theresa Levitt. May-August 2021 (volume 68, numbers 2 and 3) was a special issue entitled *Alchemy and the Early Modern University*, guest edited by Ute Freitsch. It contained papers by Bruce Moran, Elisabeth Moreau, Lawrence M. Principe, Hiro Hirai, Ku-Ming (Kevin) Chang,

Georgiana Hedesan, Didier Kahn and Ute Frietsch and the Morris Award Paper "Exploring Chemical History in Japan" by Yasu Furukawa. The November 2020 issue (volume 67 number 4) included papers by Sean O'Neil, Arnaud Page and Maxime Guesnon, Marcin Krasnodebski and Michael Jewess and William H. Brock. Guillaume Delmeulle published a piece in the Text and Commentary section and Frank A.J.L. James in the Notes and Communications section.

In 2021 Bruce Moran was editor of *Ambix* with Viviane Quirke and Peter J. Ramberg as Associate Editors and Tillmann Taape as Book Reviews Editor.

Sources of Alchemy and Chemistry: Work on the next issue is actively underway.

Chemical Intelligence: Two issues of the Society's newsletter were published in 2021, in February and August. Both were edited by Karoliina Pulkkinen. This publication advertised and reported not only the Society's events, but those of other organisations involved in the history of chemistry. It was distributed to members by email and was made available free to the public online.

Morris Prize

Ernst Homburg was awarded the 2021 John and Martha Morris Award for Outstanding Achievement in the History of Modern Chemistry or the History of the Chemical Industry. His contributions include major studies on the history of the madder industry; his seminal paper on the early history of industrial R&D laboratories; his comprehensive history of twentieth-century modern chemistry and the chemical industry embedded within a broader history of the Netherlands in *Techniek In Nederland in the Twintigste Eeuw*. And, particularly (in the context of the Morris award), his "The Era of Diversification and Globalization (1950-2012)" in *Solvay: History of a Multinational Family Firm* (CUP, 2013), a book he co-edited with Kenneth Bertrams and Nicolas Coupain.

Oxford Part II Prize

Naman Kochar was awarded the Oxford History of Chemistry Part II Prize for his thesis "Making a Nobel Laureate: Reappraising the Life and Career of Cyril Norman Hinshelwood".

SHAC Graduate Network

The SHAC graduate network fosters interdisciplinary exchange among graduate students and early career scholars from any field whose work engages with the history of alchemy and chemistry. To this end, the graduate network hosted its 12th annual postgraduate workshop, "Secrets of Matter, Matters of Secrecy," on 3-4 June 2021. The workshop brought together scholars of alchemy, modern chemistry, architecture, law, and the environment, all of whom discussed the concealment and disclosure of (al)chemical knowledge in a series of virtual presentations. The workshop also featured two keynote addresses by Nancy Langston and Michelle Murphy. The virtual format allowed SHAC to welcome many new scholars to its graduate network; approximately 80% of workshop attendees had never attended a SHAC event before. At present, the graduate network is planning its 13th postgraduate workshop, to take place virtually from 13-14 May 2022. The present theme is "Chemistry Outside the Laboratory." In the past year, the graduate network has also worked to increase SHAC's social media presence, especially on Twitter (@SHACorg) and Instagram (shacorg).

Award Scheme

The Society invited applications for funding under its Award Scheme with a deadline of 31 May 2021. Following consideration by a committee, Research Awards (for which both early career scholars and independent scholars are eligible) were approved as follows:

Kate Allan (University of Oxford), towards travel and accommodation costs to visit the Kendal Archive Centre and the Borthwick Institute of Historical Research, York, related to research on the Clifford Library and uncovering evidence of its wider circulation.

Jennifer Datiles (UCL), investigation of *lignum nephriticum* and the Goa cordial stone within the context of Philippine science, with funds for additional digital archival research.

Reut Ullmann (Columbia University), contribution to research expenses involved in study of Mikhail Lomonosov's labours in commercial and academic chemistry, specifically papers presently housed in the RAN archives in St. Petersburg, Russia, and RGADA archive in Moscow, Russia,

Sergei Zotov (Warwick University), research project on the analysis and conceptualization of alchemical scientific schemes and allegorical images from European, mainly German, and English treatises.

In addition, two Subject Development Awards were approved as follows:

Donna Bilak (Independent Scholar), funding towards a Lorentz Center Workshop in support of a guest edited issue of *Ambix* "Gold & Mercury: Amalgamated Histories of Chemistry, Culture and Environment".

Sharon Ruston (University of Lancaster), A short film to act as a tutorial and field guide on Zooniverse to train new transcribers in the basics of working with Davy's manuscripts, for the Davy Notebooks Project.

These awards total £3,642. Due to the covid-19 pandemic and the associated restrictions on travel, archive and library usage and face to face meetings, the usual timescale for use has been extended and awards will be settled when the project is undertaken. Awardees will provide progress updates.

Seminar Series

SHAC continues to support "AD HOC" (Association for the Discussion History Of Chemistry), a group dedicated to the history of chemistry, under the direction of Hasok Chang. While the group's main focus is historical, it also considers the philosophical, sociological, public and educational dimensions of chemistry. When the Covid pandemic began, ADHOC shifted its meetings online, with discussions attracting participants from around the world. Eleven meetings were held in 2021, each time reading important recent work in the field and in most cases discussing it with the author. The following authors participated in discussion of their work: Jennifer Rampling, Marina Banchetti, Michael Bycroft, Joaquín Pérez Pariente, Karoliina Pulkkinen, Sarah Hijmans, Zoe Screti and Klaus Ruthenberg. There was also discussion of *Ambix* papers by Christoph Meinel, Peter Ramberg and Andrew Sparling.

SHAC is supporting Turba, a new online discussion group on the history of alchemy, which meets online roughly every two weeks during the academic term and is organised by Jo Hedesan. In the autumn term 2021 presentations were given by Carmen Schmechel, Dagmar Wujastyk and Matteo Martelli, and there was a roundtable on the "Female Presence in Alchemy".

Section E

Financial review

Brief statement of the charity's policy on reserves

The level of reserves has been raised to £140,000 (agreed by the Trustees at the Council meeting on 18 March 2022). This is due to continued uncertainty regarding future journal subscription income created by open-access Plan S and the position of hybrid journals. Furthermore the ongoing disruption to in-person events, international conferences, travel and archive/library access as a result of the covid-19 pandemic has led to delays in claims to the Award Scheme and a temporary reduction in the Society's expenditure in these areas. Council will revisit this figure at its first meeting in 2023. At the end of 2021 this reserves policy was achieved with a reserve of £90,839. Memorandums of Understanding with the donors for the Morris and Sources Funds were agreed when the CIO transfer took place.

Details of any funds materially in deficit

No fund is in deficit.

Further financial review details (Optional information)

You may choose to include additional information, where relevant about:

- the charity's principal sources of funds (including any fundraising);
- how expenditure has supported the key objectives of the charity;
- investment policy and objectives including any ethical investment policy adopted.

Section F

Other optional information

The CIO was established on 08.07.2020 with the purposes of taking over the operations, assets, liabilities and membership of SHAC 313777.

The constitution of Charity (313777) was amended to allow the CIO (charity number 1190304) to be the sole trustee of this Charity.

The Charity Commission registered this change to the constitution of 313777 in early December 2020 and on 1 January 2021 the transfer to the CIO took place.

Section G

Declaration

The trustees declare that they have approved the trustees' report above.

Signed on behalf of the charity's trustees

Signature(s)

CT Campbell

Frank Jones

Full name(s)

CHRISTOPHER CAMPBELL

FRANK A.J.L. JONES

Position (eg Secretary, Chair, etc)

SECRETARY

Chair

Date

31/3/22



Charity Name
Society for the History of Alchemy and Chemistry 1190304 incorporating 313777 from 01-01-2021

No (if any)

CC16a
modified to
list 2
restricted
funds

Receipts and payments accounts

For the period from	Period start date	To	Period end date
	08-Jul-20		31-Dec-21

Section A Receipts and payments

	Unrestricted fund: General to the nearest £	Restricted fund: Sources to the nearest £	Restricted fund: Morris Prize to the nearest £	Total funds to the nearest £	See the Accounts for Charity 313777 for 2020 (see note D below)
A1 Receipts					
Membership subscriptions for 2021	6345			6345	
Membership subscriptions for 2022+	4390			4390	
Ordinary Society meetings	0		0	0	
One-off special projects	0			0	
spare line				0	
Journal Ambix: Fixed payment and royalty on sales	16883			16883	
Sources supplement to Ambix: royalties		0		0	
Donations	32	0	0	32	
Gift aid	0	0		0	
Interest	461	99	11	571	
Miscellaneous	0			0	
Sub total (Gross income for AR)	28111	99	11	28221	
A2 Asset and investment sales, (see table).					
None	0	0	0	0	
	0	0	0	0	
Sub total	0	0	0	0	
Total receipts	28111	99	11	28221	
A3 Payments					
Administration	3681			3681	
Ordinary Society meetings	400		0	400	
One-off special projects	0			0	
spare line				0	
Journal Ambix: printing, publication, and distribution	0			0	
Sources supplement to Ambix: printing, publication, and distribution		0		0	
Awards, prizes, and grants	1847		0	1847	
Archiving	0			0	
Bank and Paypal charges	456		0	456	
Miscellaneous	0	0	0	0	
Sub total	6384	0	0	6384	
A4 Asset and investment purchases. (see table)					
	0	0	0	0	
	0	0	0	0	
Sub total	0	0	0	0	
Total payments	6384	0	0	6384	
Net of receipts/(payments)	21727	99	11	21837	
A5 Transfers between funds	0	0	0	0	
A6 Cash funds last year end	76579.00	16511.00	1768.00	94858	Note C
Cash funds this year end	98306	16610	1779	116695	

Section B Statement of assets and liabilities at the end of the period

Categories	Details	Unrestricted fund: General	Restricted fund: Sources	Restricted fund: Morris Prize
		to nearest £	to nearest £	to nearest £
B1 Cash funds	Santander current account	261	43	5
	Paypal account	14783	2498	268
	NS&I investment account	77049	13019	1394
	Cash	0	0	0
	CAF Account	6213	1050	112
	Total cash funds	98307	16609	1779

	Details	Unrestricted funds	Restricted fund Sources	Restricted fund Morris Prize
		to nearest £	to nearest £	to nearest £
B2 Other monetary assets	Uncashed incoming cheques	0	0	0
	Balance of royalties due from publisher T&F for Ambix institutional subs in 2021 (est)	5,000	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0

	Details	Fund to which asset belongs	Cost (optional)	Current value (optional)
B3 Investment assets			0	0

	Details	Fund to which asset belongs	Cost (optional)	Current value (optional)
B4 Assets retained for the charity's own use			0	0
			0	0

	Details	Fund to which liability relates	Amount due (optional)	When due (optional)
B5 Liabilities	Membership subscriptions for > 2021 paid in advance during 2021	Unrestricted: general	4,390	hypothetical wind-up of Society
	Awards, prizes, and grants outstanding	Unrestricted: general	7,278	
	Expenses known to have been incurred during or resulting from 2021 activity but not yet invoiced to SHAC	Unrestricted: general	800	
	Morris Award (awarded but not paid)	Morris	300	

Signed by one or two trustees on behalf of all the trustees

Signature

Print Name

Date of approval

Frank Jones
Anna Woodman

FRANK JAMES
ANNA WOODMAN

18.03.22
18.03.22

The Charity -

a) has given no guarantee where any potential liability under the guarantee is outstanding at the date of this statement, and
b) has no debt outstanding at the date of this statement which is owed by the CIO and which is secured by an express charge on any of the assets of the CIO.

Other notes:

c) Items A6 are the cash funds of Charity 303777 which were transferred to this charity on 01-01-21 in accordance with the agreement of the members of 313777 at the AGM of the Charity held 27-11-2020

d) the charity was registered on 08-07-2020 at which point it had no assets. During the period 08-07-2020 to 31-12-20 the charity had neither income nor expenditure.



Section A

Independent Examiner's Report

**Report to the trustees/
members of**

Charity Name
Society for the History of Alchemy and Chemistry

**On accounts for the
period ended**

31/12/2021

**Charity no
(if any)**

1190304

Set out on pages

1 to 2

(remember to include the page numbers of additional sheets)

I report to the trustees on my examination of the accounts of the above charity ("the Trust") for the period ended 31/12/2021.

**Responsibilities and
basis of report**

As the charity trustees of the Trust, you are responsible for the preparation of the accounts in accordance with the requirements of the Charities Act 2011 ("the Act").

I report in respect of my examination of the Trust's accounts carried out under section 145 of the 2011 Act and in carrying out my examination, I have followed the applicable Directions given by the Charity Commission under section 145(5)(b) of the Act.

**Independent
examiner's statement**

I have completed my examination. I confirm that no material matters have come to my attention in connection with the examination which gives me cause to believe that in, any material respect:

- accounting records were not kept in accordance with section 130 of the Act or
- the accounts do not accord with the accounting records

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

Signed:

SAmbrose

Date:

22/03/2022

Name:

Susan Elizabeth Ambrose

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

FCCA FCA

Address:

Butt Miller Ltd

92 Park Street, Camberley, Surrey

GU15 3NY

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

Give here brief details of any items that the examiner wishes to disclose.

No items to disclose.