## THE BRITISH SOCIETY FOR THE HISTORY OF MATHEMATICS (A company limited by guarantee)

## ANNUAL REPORT AND FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 DECEMBER 2018

COMPANY NUMBER: 03326816 CHARITY NUMBER: 1061229

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#### THE BRITISH SOCIETY FOR THE HISTORY OF MATHEMATICS

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COMPANY NUMBER: 3326816 CHARITY NUMBER: 1061229

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### THE BRITISH SOCIETY FOR THE HISTORY OF MATHEMATICS LEGAL AND ADMINISTRATIVE INFORMATION

#### Full name of the charity

The British Society for the History of Mathematics

#### Company registration number

3326816

#### Charity registration number

1061229

#### **Governing document**

Memorandum and Articles of Association

#### **Trustees**

Professor June Barrow-Green

Dr Philip Beeley (until 31 December 2018)

Dr Isobel Falconer

Dr Christopher Hollings

Dr Snezana Lawrence

Ms Dorothy Leddy

Dr Ken Lord

Dr Mark McCartney

Dr Klaas Sijbrandij

Dr Fenny Smith

Dr Jane Wess (until 31 December 2018)

#### Registered office

c/o Andrew Thurburn & Co., 38 Tamworth Road, Croydon, Surrey CR0 1XU

#### **Independent Examiner**

Andrew Thurburn FCA, 38 Tamworth Road, Croydon, Surrey CR0 1XU

#### **Bankers**

Lloyds Bank, Carfax, 1 – 5 High Street, Oxford OX1 4AA

### THE BRITISH SOCIETY FOR THE HISTORY OF MATHEMATICS REPORT OF THE BOARD OF TRUSTEES

#### Structure, Governance and Management

#### Governing document

The organisation is a charitable company limited by guarantee, incorporated on 3 March 1997 and registered as a charity on 13 March 1997. The charity was established under a Memorandum of Association which established the objects and powers of the charitable company and is governed under its Articles of Association. In the event of the company being wound up each member is required to contribute £1.

#### Recruitment and appointment of Board of Trustees

Trustees are elected to serve for one year at the Annual General Meeting. The President and those Trustees not appointed to an officer post may not serve more than three consecutive years in that capacity. The Board of Trustees establishes a Nominations Committee each year to advise on suitable potential Trustees but there is also an established procedure whereby names of other candidates may be put forward for election.

#### Trustee induction and training

New Trustees receive an overview of the organisation and key documents such as the Memorandum and Articles of Association, Annual Report and Statement of Financial Affairs, and receive informal advice and assistance in familiarising themselves with their new role. They also receive information directly from the Charity Commission on the responsibilities of Trustees.

#### Risk management

The Board of Trustees has a public liability insurance policy to cover all members against claims while working on Society business. An informal risk assessment is conducted as part of the planning process for each activity and all steps necessary are taken to minimise any risks to participants, organisers, meeting venues or the general public.

#### Organisational structure

The charity has a Board of Trustees of up to 14 members who meet approximately quarterly and are responsible for the strategic direction and policy of the charity. The Board consists of 8 officers, 3 members elected at the AGM and up to 3 additional members co-opted by the Board. At present, the Board has 11 members from a variety of backgrounds relevant to the work of the charity. Subcommittees, working parties or panels are set up as and when required to deal with specific matters and all officers report to the Board at each of its meetings.

An Administrative Assistant provides support for the Treasurer and Membership Secretary. The agreement with Taylor & Francis which came into force on 1 January 2006 continues to provide benefit to the Society and its members. A *Bulletin* editorial team provides support and assistance to the *Bulletin* Editor and a *Bulletin* Management Board oversees the working of the agreement. The *Bulletin* is published on behalf of the Society by Taylor & Francis – a new publishing agreement came into effect at the beginning of 2017.

#### **Objectives and Activities**

The Society's charitable objects are:

- (1) to promote and encourage research into the history of mathematics and the dissemination of the results of that research;
- (2) to develop awareness of the history of mathematics for the public benefit; and
- (3) to support teachers and lecturers at all levels of mathematics education to incorporate the history of mathematics into their teaching, enriching their students' experience.

The Society organises conferences and meetings, publishes a *Bulletin* in conjunction with a leading academic publisher, disseminates information about research and research findings in the history of mathematics and related fields, and promotes general activities in the history of mathematics.

# THE BRITISH SOCIETY FOR THE HISTORY OF MATHEMATICS REPORT OF THE BOARD OF TRUSTEES (Continued)

#### Achievements and Performance

#### Presidential Report for 2018

I am pleased to report that throughout 2018 the Society has continued to remain in a very healthy state, in terms of its activities, its membership and its finances.

As the Statement of Financial Activities shows, we continue to be on solid financial grounds, and as the membership report shows our total membership remains steady.

In 2018 the Society has initiated a new *Small Grants Scheme* which makes awards twice a year to support Society members who are active in research, and after discussions with Taylor and Francis we intend to launch, in 2019, the *Taylor & Francis Early Career Essay Prize* (which is generously funded in its totality by T&F). Part of this prize will be to appoint the winner as a social media coordinator for the Society to help increase our visibility on various social media platforms, and increase our profile with newer members of the scholarly community.

Both of these initiatives not only help to fulfil one of the Society's charitable aims, i.e. of promoting and encouraging research in the history of mathematics, they also help to increase the visibility of the Society in the wider academic community.

This means that the Society now has a set of awards which supports the study and promotion of the history of mathematics at secondary school level (the BSHM-Plus prize), undergraduate level (the undergraduate essay prize) and now at postgraduate level and beyond. And on top of this is the now long running Neumann book prize awarded to a popular book on the history of mathematics.

Under the editorship of Benjamin Wardhaugh there has been a widening of the editorial board of the Society's journal to include a range of international academics to increase the global reach of both the journal and the Society.

Over the last year we have continued to have a successful range of events.

February 2018 saw *RiP* at The Queen's College, Oxford, closely followed by a *BSHM lecture* (on the mathematics of early aviation) in Belfast run in conjunction with the NI Science Festival and the Belfast Natural History & Philosophical Society. In March a two day event on *The History of Computing Beyond the Computer* was held jointly with the Oxford Mathematics Institute.

In May there was a one day event in Birkbeck on the *History of Cryptography and Codes*, followed in June by a one day meeting on *Mathematics and Patronage* at Rewley House, Oxford.

The annual Gresham lectures in October focussed on *Mathematics in Peace and War.* November saw a two day workshop in St Andrews on *Mathematical and Astronomical Practices in Preenlightenment Scotland and its European Networks*, and in December our Christmas meeting in Birmingham was entitled *The Mathematics of Time*.

The range of topics covered in these events gives an indication of the continued vibrancy and diversity of the history of mathematics. The spread of geographical locations of events, while encouraging, remains an area of continued effort for Council as we attempt ensure we reach as many regions of the UK as possible.

Jane Wess, our Meetings Co-ordinator has been integrally involved in virtually all of the meetings mentioned above, and of course many others during her time on Council. As such she has made substantial and invaluable contributions to the Society. As she steps down from Council I would like to thank her for the work she has done over the last number of years in putting together a whole range of very successful meetings. Further, I would like to thank Philip Beeley who is stepping down from Council having served as President and, over the last year, as immediate past-president. The Society has benefited greatly from Philip's commitment, wise decision making and depth of scholarship and he will be missed on Council.

I also want to thank all the members of council who I have had the pleasure of serving with during 2018. It is only since I have been serving as President (and hence been copied in on a much wider range of correspondence) that I have gained an insight into the amount of time and effort that Council members put into ensuring the Society continues to run both smoothly and effectively.

# THE BRITISH SOCIETY FOR THE HISTORY OF MATHEMATICS REPORT OF THE BOARD OF TRUSTEES (Continued)

#### Membership Secretary's report 2018

#### The Numbers

	2018	2017	2016
UK members	212	218	220
Overseas members	98	93_	89
Total	310	311	309

Ordinary	137	136	135
Retired/Concession	113	116	103
*Under 25	3	4	-
**Student	-	-	21
from CSHPM	53	51	50
Prize Winners	4	4 .	
Total	310	311	309

External Subscriptions	2018	2017	2016
Historia Mathematica	55	60	58
СЅНРМ	19	15	16

Direct debit payments	157	159	158

<sup>\*</sup> New category from 2017 \*\* Not used after 2016

#### Notes

The membership numbers continue at just above the 300 level (where we have been for recent years). We had some changes to the membership categories for 2017. We dropped the "Student" category and introduced the "Under 25" category

Our very popular @mathshistory Twitter feed has continued steady growth from 60,000 followers last year to over 70,000 followers at the time of writing.

We have 157 members who paid by direct debit, which is the method most helpful to BSHM in terms of administrative time. Other methods of payment (cash, cheques and online), are spread over the year, and take much more time per transaction for our administrative volunteers to administer.

Ken Lord, Membership Secretary

14 August 2019

# THE BRITISH SOCIETY FOR THE HISTORY OF MATHEMATICS REPORT OF THE BOARD OF TRUSTEES (Continued)

#### **Bulletin Editor's report 2018**

The BSHM Bulletin continues to serve the Society's charitable aims by publishing research on a wide spectrum of topics in the history of mathematics and its uses in education.

Volume 33 (2018) was the first to be completed under the editorship of Benjamin Wardhaugh. This volume contained ten research articles ranging from the sixteenth to the twentieth century, plus book reviews and reports of the Society's meetings. During the preparation of this issue the *Bulletin* moved towards full peer reviews of all research articles published. The editorial team was expanded to twelve, with a majority now based outside the UK. The intention of these changes was to sustain the recent increase in the quality and quantity of articles submitted.

The incoming editor is grateful to his predecessor for his work in ensuring a smooth handover, as well as to Isobel Falconer for her work on book reviews, Jane Wess for meetings reports, and the editorial team for their support in encouraging and refereeing submissions. The staff at Taylor & Francis have as always done much to ensure the successful running of the *Bulletin* by their support and hard work. Finally, many thanks are due to all those who submitted work for consideration: the *Bulletin* depends on its contributors and we are very pleased that we have continued to attract excellent submissions from many parts of the world.

#### Benjamin Wardhaugh, Bulletin Editor

5 August 2019

#### Services

BSHM arranges activities as described under Objectives and Activities on page 3. None of the Society's services or activities includes work with children or vulnerable adults.

#### **Principal Funding Sources**

The principal source of funding currently is voluntary donations in the form of membership subscriptions. The publishers Taylor & Francis make a contribution towards the editorial expenses of the *Bulletin*. All funds received are applied directly to work in the furtherance of meeting our charitable objects.

#### **Plans for Future Periods**

Trustees are working towards a growth in membership, with particular effort being applied to bringing in students and younger graduates. This will lay down a basis for continuity into the future. The Trustees have adopted a very positive approach to co-operation with other societies and related disciplines in order to promote the history of mathematics in a flexible way. Areas such as mathematics education, the history of computing and computation, the history of statistics and the marking of significant relevant anniversaries have received particular attention recently and will continue to do so.

#### **Investment Policy**

Historically BSHM retained all its funds in deposit accounts. However, given the continued low interest environment, Council has decided in 2019 to invest part of the Society's reserves in 1-2 year fixed rate deposits in order to benefit from higher interest rates. It has no monies held in speculative investments.

#### Reserves Policy

Monies which are not allocated to be used in the current year are held in reserves at the most favourable rate of interest obtainable. All funds are held in a form suitable for use in the short to medium term.

#### THE BRITISH SOCIETY FOR THE HISTORY OF MATHEMATICS REPORT OF THE BOARD OF TRUSTEES (Continued)

#### Responsibilities of the Board of Trustees

Charity and company law require the Board of Trustees, as Trustees and Directors, to prepare financial statements for each financial year that give a true and fair view of the state of the affairs of the charity and of the results for the year. In preparing those financial statements, the Board of Trustees are required to:

- select suitable accounting policies and apply them consistently;
- make judgements and estimates that are reasonable and prudent; and
- prepare the financial statements on a going concern basis, unless it is inappropriate to presume that the company will continue in business.

The Board of Trustees are responsible for keeping proper accounting records which disclose, with reasonable accuracy, at any time the financial position of the charity and enable them to ensure that the financial statements comply with the Companies Act 2006.

They are also responsible for safeguarding the assets of the company and hence for taking reasonable steps for the prevention and detection of fraud and other irregularities.

#### Status of the Company

The company is a registered charity and is thereby exempt from income tax and corporation tax on its income and gains.

This report has been prepared in accordance with the special provisions of Part 15 of the Companies Act 2006 relating to small companies and in accordance with the Statement of Recommended Practice: Accounting and Reporting by Charities (issued in March 2005).

Approved by the Board of Trustees on 20 September 2019 and signed on its behalf by:

Klaas Sijbrandij - Director and Trustee

### INDEPENDENT EXAMINER'S REPORT TO THE TRUSTEES OF THE BRITISH SOCIETY FOR THE HISTORY OF MATHEMATICS

I report on the accounts of the charitable company for the year ended 31 December 2018 which are set out on pages 9 to 14.

#### Respective Responsibilities of the Trustees and Examiner

The trustees (who are also the directors of the company for the purpose of company law) 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(2) of the Charities Act 2011 (the 2011 Act) and that an independent examination is needed.

Having been satisfied that the charity is not subject to audit under company law and is eligible for independent examination it is my responsibility to:

- examine the accounts under section 145 of the 2011 Act;
- follow the procedures laid down in the General Directions given by the Charity Commission under section 145(5)(b) of the 2011 Act; and
- state whether particular matters have come to my attention.

#### **Basis of Independent Examiner's Report**

My examination was carried out in accordance with the 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 the seeking of explanations from you as 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 matter has come to my attention:

- (i) which gives me reasonable cause to believe that, in any material respect, the requirements:
  - to keep accounting records in accordance with s386 of the Companies Act 2006; and
  - to prepare accounts which accord with the accounting records and to comply with the accounting requirements of the Companies Act 2006 and with the methods and principles of the Statement of Recommended Practice: Accounting and Reporting by Charities (revised 2005) have not been met; or
- (ii) to which, in my opinion, attention should be drawn in order to enable a proper understanding of the accounts to be reached.

Andrew Thurburn
Andrew Thurburn &

Andrew Thurburn & Co. Chartered Accountants

38 Tamworth Road Croydon CR0 1XU

20 September 2019

# THE BRITISH SOCIETY FOR THE HISTORY OF MATHEMATICS STATEMENT OF FINANCIAL ACTIVITIES FOR THE YEAR ENDED 31 DECEMBER 2018

·	Notes	Unrestricted Funds £	Restricted Funds £	Total 2018 £	Total 2017
INCOMING RESOURCES		-	~	~	_
Incoming Resources from Generated Funds:			•		
Investment income		28	-	28	29
Incoming Resources from Charitable Activities:					
Conferences & academic meetings		4,323	-	4,323	3,272
Historia Mathematica subscriptions		1,980	-	1,980	2,160
Membership subscriptions		7,499	-	7,499	6,980
Reciprocal membership – CSHPM		794	-	794	945
Bulletin income		4,817	-	4,817	10,601
Donations & miscellaneous		325 		325	201 ———
TOTAL INCOMING RESOURCES		19,766	-	19,766	24,188
		====			
RESOURCES EXPENDED Charitable Activities:					
Awards & Projects		886	-	886	1,318
Publications	3	4,218	-	4,218	4,463
Advancing charitable interests	4	7,789	-	7,789	7,988
Governance costs	5	3,655 		3,655	2,900
TOTAL RESOURCES EXPENDED		16,548	-	16,548	16,669
		=			=======================================
Not become for Very		2.240		2 240	7.510
Net Income for Year		3,218 66,178	2,100	3,218 68,278	7,519 60,759
Fund Balances Brought Forward			<u> </u>		
FUND BALANCES CARRIED FORWARD		69,396	2,100	71,496	68,278
		=			<del></del>

#### THE BRITISH SOCIETY FOR THE HISTORY OF MATHEMATICS **BALANCE SHEET AS AT 31 DECEMBER 2018**

	Notes	£	2018 £	£	2017 £
CURRENT ASSETS			~	_	~
Debtors Cash at bank and in hand	6	3,079 74,777		3,292 69,137	
Creditore: Amounts folling		<del> </del>	77,856		72,429
Creditors: Amounts falling due within one year	7		6,360		(4,151)
NET ASSETS			71,496		68,278
5 4 15					
Represented by: Unrestricted funds Restricted funds	8 9		69,396 2,100		66,178 2,100
,			74.400		
			71,496 ———		68,278 ———

In preparing these financial statements:

- (a) the directors are of the opinion that the company is entitled to the exemption from audit conferred by Section 477 of the Companies Act 2006;
- no notice has been deposited under Section 476 of the Companies Act 2006; and
- the directors acknowledge their responsibilities for:
  - ensuring that the company keeps accounting records which comply with Sections 386 and 387 of the Companies Act 2006, and
  - preparing accounts which give a true and fair view of the state of affairs of the company as at the end of the financial year and of its profit or loss for the financial year in accordance with the requirements of Sections 394 and 395, and which otherwise comply with the requirements of this Act relating to accounts, so far as applicable to the company.

These financial statements have been prepared in accordance with the special provisions of Part 15 of the Companies Act 2006.

Approved by the Board of Trustees on 20 September 2019.

Klaas Sijbrandij Director and Trustee

# THE BRITISH SOCIETY FOR THE HISTORY OF MATHEMATICS NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 DECEMBER 2018

#### 1. STATUTORY INFORMATION

The British Society for the History of Mathematics is a private charitable company, limited by guarantee, registered in England and Wales. The company's registered number is 03326816 and the registered office address can be found on page 2.

#### 2. ACCOUNTING POLICIES

#### **Basis of preparing the Financial Statements**

These financial statements have been prepared in accordance with the provisions of Section 1A "Small Entities" of Financial Reporting Standard 102 "The Financial Reporting Standard applicable in the UK and Republic of Ireland", the Companies Act 2006 and the revised Statement of Recommended Practice (SORP 2005) – Accounting and Reporting by Charities. The financial statements have been prepared under the historical cost convention.

#### **Fund Accounting**

*Unrestricted:* these are funds which can be used in accordance with the charitable objects at the discretion of the Trustees.

**Designated:** these are funds set aside by the Trustees out of unrestricted funds for specific future purposes or projects.

**Restricted:** these are funds which are subject to restrictions on their expenditure imposed by the donor or through the terms of an appeal.

#### **Incoming Resources**

All incoming resources are included in the Statement of Financial Activities when the charity is legally entitled to the income and the amount can be quantified with reasonable accuracy. The following specific policies are applied to particular categories of income:

- Donations are recognised as they are received except in the case where they relate to a specific future project, in which case they are deferred until the commencement of that project.
- Investment income is included when receivable.
- Subscriptions received in advance of next year are carried forward in the balance sheet and will be included in the Statement of Financial Activities for the following year.
- Other income, including publication sales and conference and academic meetings income, is included in the accounts when receivable.

#### **Resources Expended**

All expenditure is accounted for on an accrual basis. Expenditure includes any VAT which cannot be fully recovered, and is reported as part of the expenditure to which it relates.

- Charitable expenditure comprises those costs incurred by the charity in the delivery of its
  activities and services for its beneficiaries. It includes both costs that can be allocated
  directly to such activities and those costs of an indirect nature necessary to support them.
- Governance costs include those costs associated with meeting the constitutional and statutory requirements of the charity.

#### **Taxation**

As a charity, the company is not normally liable to corporation tax and has incurred no charge this year.

# THE BRITISH SOCIETY FOR THE HISTORY OF MATHEMATICS NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 DECEMBER 2018 (Continued)

3.	PUBLICATION COSTS	2018 £	2017
	Bulletin costs	1,985	<b>£</b> 2,431
	Historia Mathematica	2,233	2,032
	, indicate matternation		
		4,218	4,463
4.	ADVANCING CHARITABLE INTERESTS	2018	2017
		£	£
	Conferences and academic meetings	6,273	6,732
	Publicity	530	585
	External relations	170	170
	Insurance	293	288
	Website	523	213 ——
		7,789	7,988
			<u></u>
5.	GOVERNANCE COSTS	2018	2017
J.	OOVERNAMOE GOOTG	£	£
	Bank Charges and Interest	148	207
	Council Expenses	2,635	1,851
	Accountancy	657	645
	IT Costs	144	157
	Other Costs	71	40
		3,655	2,900
		===	
•	DEDTODO.	2018	2047
6.	DEBTORS	2016 £ .	<b>2017</b> £
	Other debtors	3,079	3,292
_		2040	2047
7.	CREDITORS: AMOUNTS FALLING DUE WITHIN ONE YEAR	2018 £	2017 £
	Accruals	6,360	4,151
		6,360	4,151
			<u> </u>

# THE BRITISH SOCIETY FOR THE HISTORY OF MATHEMATICS NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 DECEMBER 2018 (Continued)

8.	UNRESTRICTED RESERVES	General Fund	Designated Neil Bibby Fund	Designated John Fauvel Fund	Total
		£	£	£	£
	At 1 January 2018 Income Expenditure	36,033 19,766 (15,501)	23,616 (1,047)	6,529 - ( - )	66,178 19,766 (16,548)
	At 31 December 2018	40,298	22,569	6,529	69,396
9.	RESTRICTED RESERVES				
	Neumann Prize At 1 January 2018 Income Expenditure				£ 2,100 - (-)
	At 31 December 2018				2,100

#### **DESIGNATED FUNDS**

#### The John Fauvel Fund

This fund was established in 2001 as a result of a bequest from the late John Fauvel who was a very active member, former President of BSHM and long-term Newsletter (now *Bulletin*) Editor. The money was provided for Council to use as it sees fit without restriction in order to enable the society to promote its charitable objects and to increase opportunities for others to participate in activities related to the history of mathematics.

#### The Neil Bibby Fund

This fund was established as a result of a donation by Mrs Katherine Bibby in memory of her son, Neil, who died in 2002. This was augmented by a generous bequest from Mrs Bibby when she died a year later. Neil was a very enthusiastic BSHM Council member and meeting organiser who was deeply committed to all aspects of the society's work, especially the educational aspects. The money was provided for council to use as it sees fit without restriction to enable the society to promote its charitable objects and to enhance its work in promoting the greater use of history in mathematics education. From 2015 the fund is being used to provide subsidies for 'Student'/'Under 25' attendance at BSHM events.

#### RESTRICTED RESERVES

As a result of generous donations received in 2016, the value of the biennial Neumann Prize, for a book on the History of Mathematics aimed at a general audience, was increased to £1,000 per award. These donations, shown as restricted reserves, part funded the awards in 2016 and 2017 and will part fund the next three awards.

# THE BRITISH SOCIETY FOR THE HISTORY OF MATHEMATICS NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 DECEMBER 2018 (Continued)

#### 10. LAST YEAR COMPARATIVES FOR THE STATEMENT OF FINANCIAL ACTIVITIES

INCOMING RESOURCES	Unrestricted Funds £	Restricted Funds £	Total 2017 £
INCOMING RESOURCES Investment Income Incoming Resources from Charitable Activities	29 24,159	-	29 24,159
	24,188	<del></del>	24,188
RESOURCES EXPENDED Charitable Activities Governance Costs	13,069 2,900	700 -	13,769 2,900
	15,969	700	16,669
Net Income (Expenditure) For Year Fund Balances Brought Forward	8,219 57,959 ——	(700) 2,800	7,519 60,759
FUND BALANCES CARRIED FORWARD	66,178	2,100	68,278