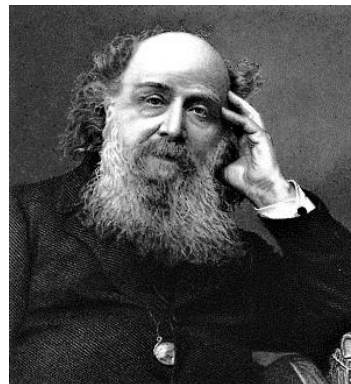


***Oxford's Savilian  
Professors of  
Geometry***  
***The first 400 years***

*edited by*  
**Robin Wilson**



# Contents

**WILLIAM POOLE:** Sir Henry Savile & the early professors

**PHILIP BEELEY & BENJAMIN WARDHAUGH:** John Wallis

**ALLAN CHAPMAN & CHRISTOPHER HOLLINGS:**

**A century of astronomers: from Halley to Rigaud**

**KEITH HANNABUSS:** Baden Powell and Henry Smith

**KAREN HUNGER PARSHALL:** James Joseph Sylvester

**ROBIN WILSON:** G. H. Hardy and E. C. Titchmarsh

**FRANCES KIRWAN:** From Michael Atiyah to the 21st  
century

**MARK McCARTNEY:** Interview with Nigel Hitchin

# The first Savilian professors

1619 **Henry Briggs** (1561–1631)

1631 **Peter Turner** (1586–1652)

1649 **John Wallis** (1616–1703)

1704 **Edmond Halley** (1656–1742)

1742 **Nathaniel Bliss** (1700–64)

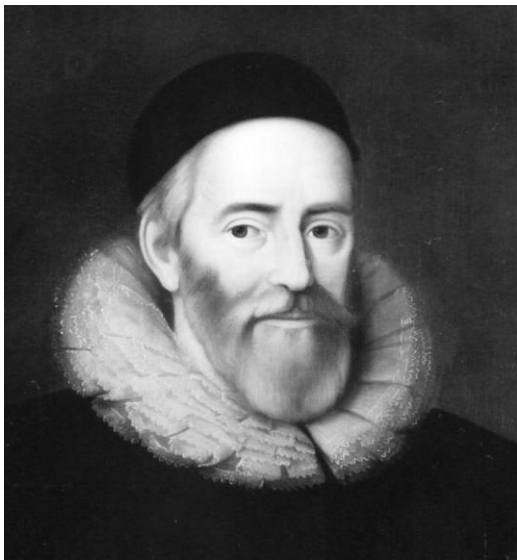
1765 **Joseph Betts** (1718–66)

1766 **John Smith** (c.1721–97)

1797 **Abraham Robertson** (1751–1826)

1810 **Stephen Peter Rigaud** (1774–1839)

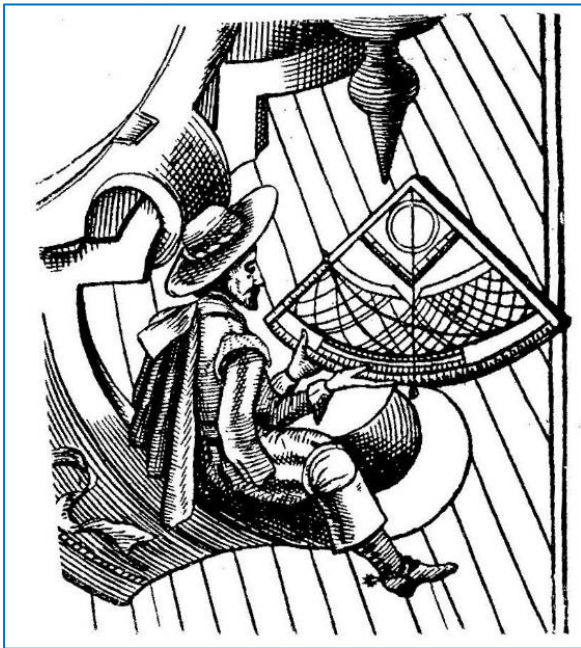




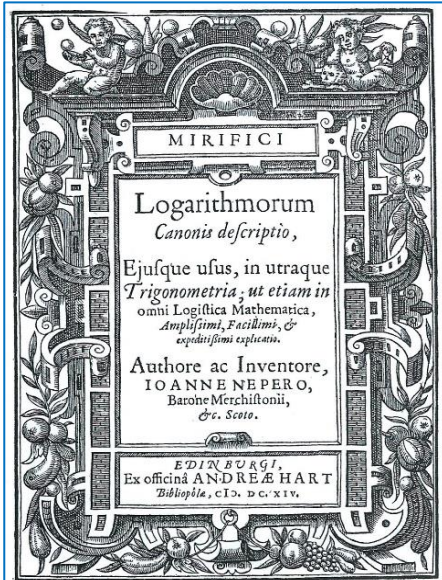
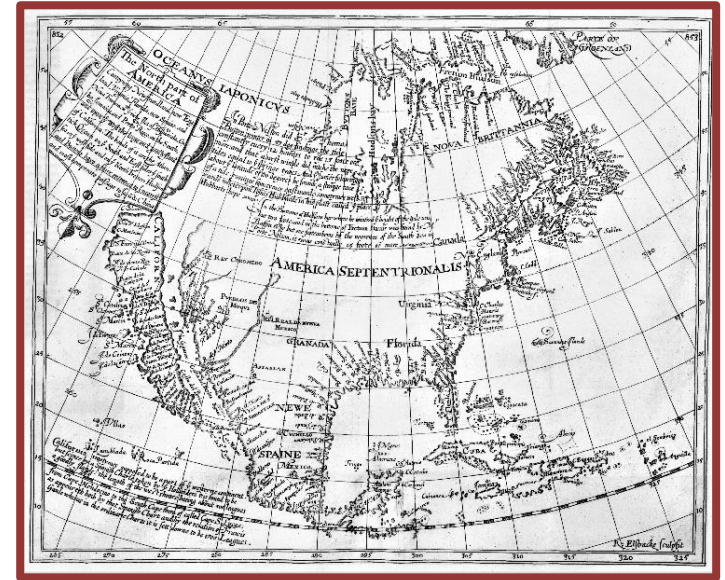
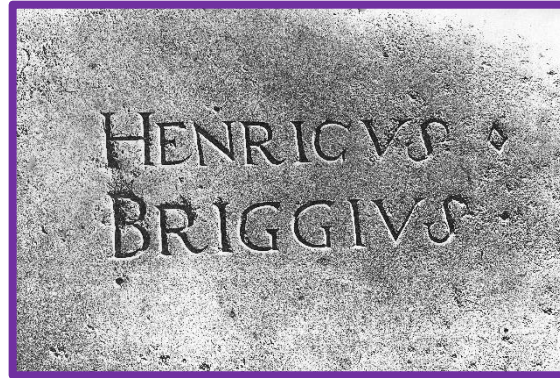
# Savile's first appointment

... he first sent for Mr Gunter, from London ... to have been his Professor of Geometrie; so he came and brought with him his Sector and Quadrant, and fell to resolving of Triangles and doing a great many fine things.

Said the grave Knight [Savile], *Doe you call this reading of Geometrie? This is shewing of tricks, man!* and so dismissst him with scorne, and sent for Henry Briggs, from Cambridge.



# 1. Henry Briggs (1619-31)



**2 Logarithmi. |**

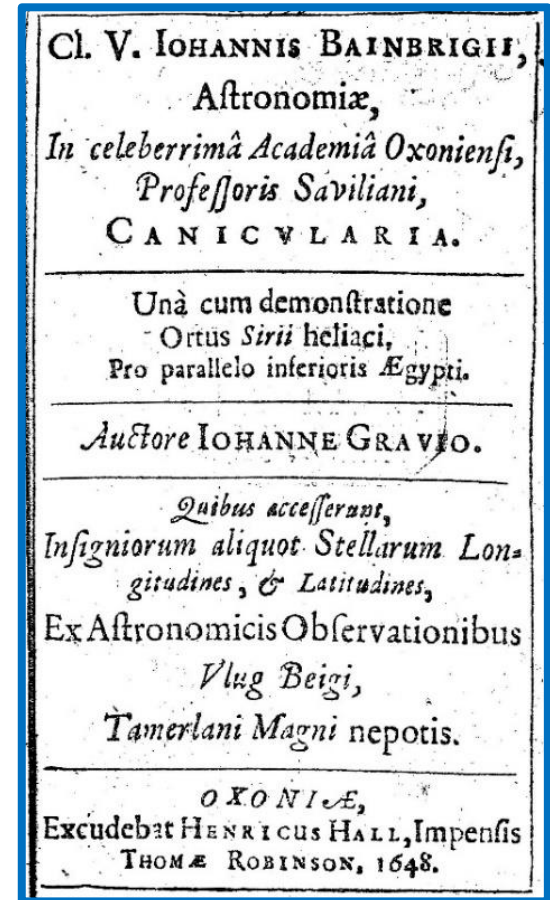
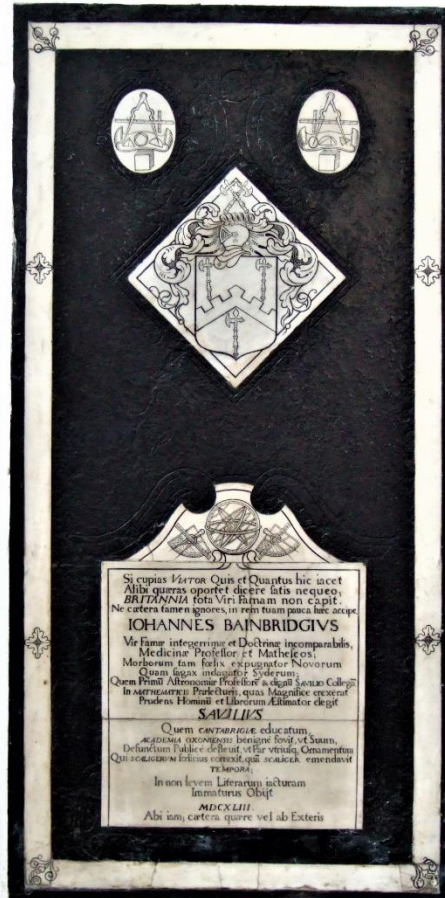
1	00000,00000,00000
2	03010,29995,66398
3	04771,21254,71966
4	06020,59991,32796
5	06989,70004,33602
6	07781,51250,38364
7	08450,98040,01426
8	09030,89986,99194
9	09542,42509,43932
10	10000,00000,00000

**Chilias decimaoctava.**

Num. absolut.	Logarithmi.	Num. absolut.	Logarithmi.	Num. absolut.	Logarithmi.
17501	4,24306,28648,0481	17534	4,24388,10022,1832	17567	4,24469,76012,9672
	2,48147,0057		2,47679,9920		2,47214,7329
17502	4,24308,76795,0538	17535	4,24390,57702,1752	17568	4,24472,23227,7001
	2,48132,8279		2,47664,8675		2,47200,6614
17503	4,24311,24927,8817	17536	4,24393,05368,0427	17569	4,24474,70428,3615
	2,48118,6517		2,47651,7447		2,47186,5916
17504	4,24313,73046,5334	17537	4,24395,53019,7874	17570	4,24477,17614,9531
	2,48104,4771		2,47637,6234		2,47172,5233
17505	4,24316,21151,0105	17538	4,24398,00657,4108	17571	4,24479,64787,4764
	2,48090,3042		2,47623,5037		2,47158,4566
17506	4,24318,69241,3147	17539	4,24400,48280,9145	17572	4,24482,11945,9330
	2,48076,1329		2,47609,3857		2,47144,3915
17507	4,24321,17317,4476	17540	4,24402,95890,3001	17573	4,24484,59090,3245
	2,48061,9631		2,47595,1692		2,47130,3280
17508	4,24323,65379,4107	17541	4,24405,43485,5694	17574	4,24487,06210,6525
	2,48047,7951		2,47581,1544		2,47116,1662
17509	4,24326,23427,2058	17542	4,24407,91066,7238	17575	4,24489,53336,9187
	2,48033,6186		2,47567,0412		2,47102,2059
17510	4,24328,61460,8344	17543	4,24410,38633,7650	17576	4,24493,00439,1246
	2,48019,4638		2,47552,9296		2,47088,1473
17511	4,24331,09480,2982	17544	4,24412,86186,6946	17577	4,24494,47527,2719
	2,48005,3005		2,47538,8196		2,47074,0902
17512	4,24333,57485,5987	17545	4,24415,33725,5142	17578	4,24496,94601,3681
	2,47991,1389		2,47524,7112		2,47060,0347

# John Bainbridge

## First Savilian Professor of Astronomy



CL. V. IOHANNIS BAINBRIGII,  
Astronomiæ,  
In celeberrimâ Academiâ Oxoniensi,  
Professoris Saviliani,  
CANICVLARIA.

Unâ cum demonstratione  
Ortus Sirii heliaci,  
Pro parallelo inferioris Ægypti.

Auctore IOHANNE GRAVIO.

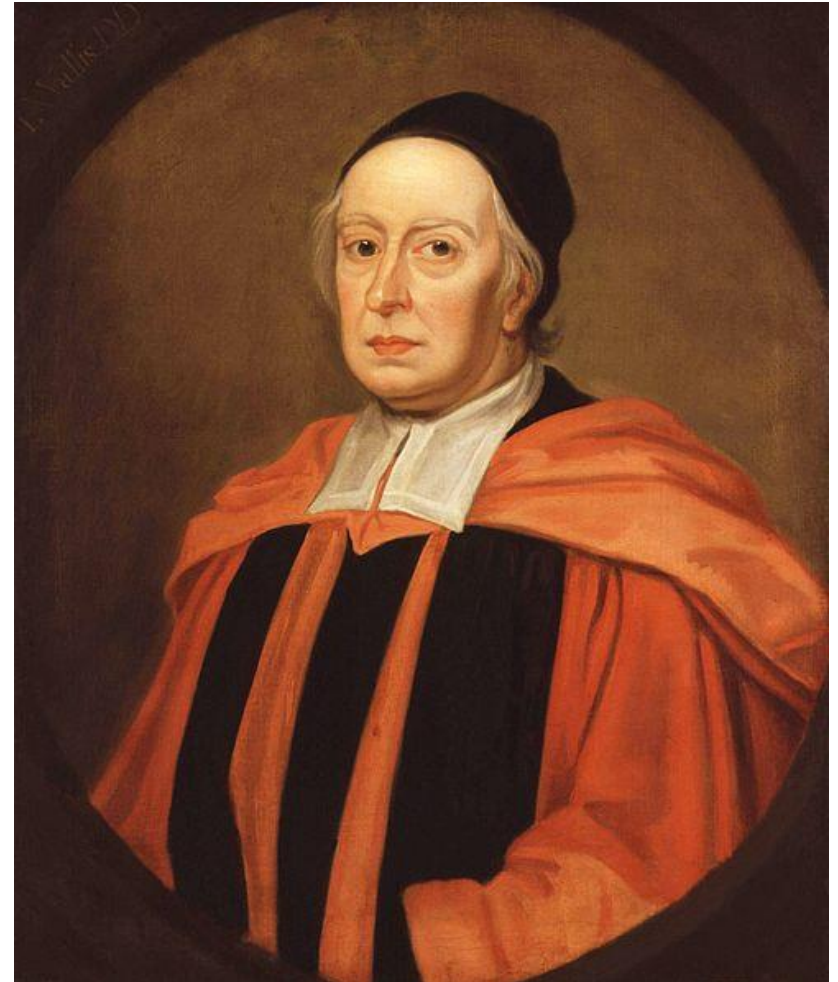
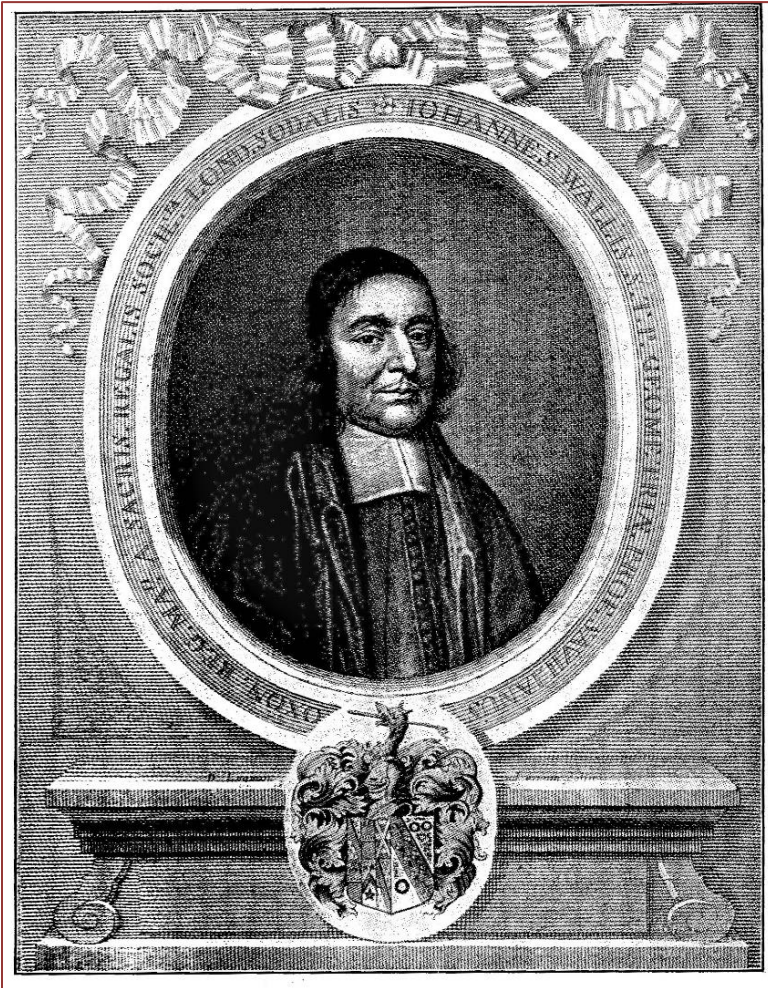
Quibus accesserunt,  
Insigniorum aliquot Stellarum Lon-  
gitudines, & Latitudines,  
Ex Astronomicis Observationibus  
Vlug Beigi,  
Tamerlani Magni nepotis.

OXONIÆ,  
Excudebat HENRICUS HALL, Impensis  
THOMÆ ROBINSON, 1648.







# 3. John Wallis (1649-1703)



# Wallis's writings

*Johannis Wallis,*  
 GEOMETRIÆ PROFESSORIS  
 S A V I L I A N I,  
 ORATIO INAUGURALIS:  
 I N  
 Auditorio Geometrico, *Oxonii*, habita;  
 ultimo die Mensis Octobris, Anno  
 Æræ Christianæ 1649. quum publicam  
 Geometriæ Professionem auspicatus est.





O X O N I I,  
 Typis *Leonardi Lichfeld* Academiae Typographi:  
 Impensis *Tho. Robinson.* 1657.

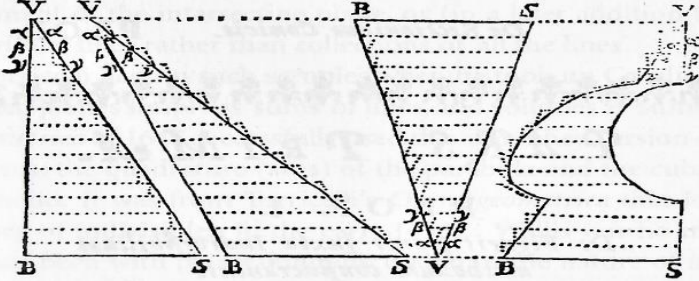
4 *De Sectionibus Conicis.* PROP. 1.

P A R S P R I M A.

P R O P. I.  
*De Figuris planis juxta Indivisibilibus  
 methodum considerandis.*


 Uppono in limine (juxta Bonaventuræ Cavallerii *Geometriam Indivisibilem*) Planum quodlibet quasi ex infinitis lineis parallelis constari: Vel potius (quod ego malle) ex infinitis Parallelogrammis æquè altis; quorum quidem singulorum altitudo sit  $\frac{1}{\infty}$ , sive aliquota pars infinite parva; (entis enim  $\infty$  nota numeri infiniti) adeoque omnium simul altitudo æqualis altitudi ni figuræ.

P R O P. 2. *De Sectionibus Conicis.*  
 nate altitudinis consideratio non habetur; Ubi autem deter



minata altitudinis instituetur consideratio (quod aliquando fiet) exigua illius altitudinis eontq; ratio habenda erit, ut ea infinitis multiplicata totam figuræ altitudinem supponatur ad quare.

# Arithmetica Infinitorum

Et (continuatâ ejusmodi operatione juxta Tabellæ leges) invenietur

$$\left. \begin{array}{l} \text{minor quam } \frac{3 \times 3 \times 5 \times 5 \times 7 \times 7 \times 9 \times 9 \times 11 \times 11 \times 13 \times 13}{2 \times 4 \times 4 \times 6 \times 6 \times 8 \times 8 \times 10 \times 10 \times 12 \times 12 \times 14} \times \sqrt{1 \frac{1}{13}}. \\ \text{major quam } \frac{3 \times 3 \times 5 \times 5 \times 7 \times 7 \times 9 \times 9 \times 11 \times 11 \times 13 \times 13}{2 \times 4 \times 4 \times 6 \times 6 \times 8 \times 8 \times 10 \times 10 \times 12 \times 12 \times 14} \times \sqrt{1 \frac{1}{14}}. \end{array} \right\}$$

Et sic deinceps quousq; libet. Ita nempe ut fractionis Nu-

Johannis Wallisii, Ss. Th. D.  
GEOMETRIÆ PROFESSORIS  
SAVILIANI in Celeberrimâ  
Academia OXONIENSI,

## ARITHMETICA INFINITORVM.

SIVE

Nova Methodus Inquirendi in Curvili-  
neorum Quadraturam, aliaq; difficultiora  
Matheseos Problemata.



OXONII,  
Typis LEON. LICHFIELD Academicæ Typographi,  
Impensis THO. ROBINSON. Anno 1675.

PROP. CXXXIX. Theorema.

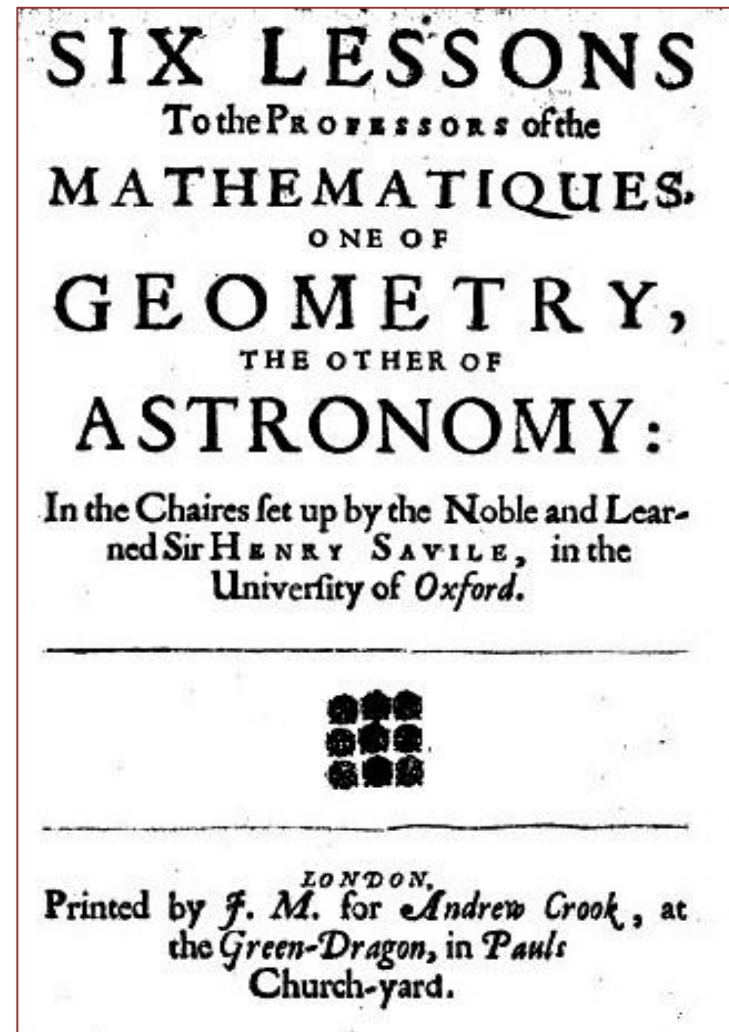
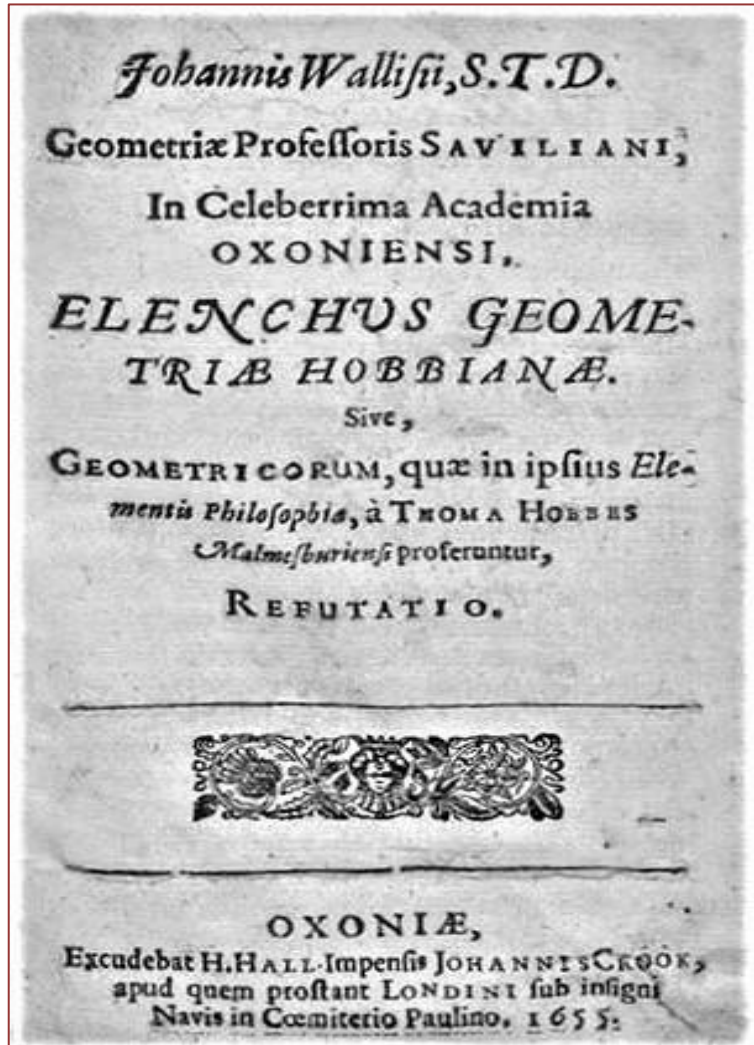
**H**inc sequitur, quod Si ex Tabellæ prop. 184. locis  
vacuis unus quilibet numero noto suppleatur, e-  
runt & reliqui omnes cogniti.

Verbi gratiâ, si numerus hâc notâ □ designatus supponatur,  
cognitus, reliqui omnes etiam cognoscuntur; qui nempe eam  
habent ad illum rationem quæ hic subtus indigitatur.

∞	1	$\frac{1}{2} \square$	$\frac{1}{2}$	$\frac{1}{3} \square$	$\frac{1}{3}$	$\frac{1}{4} \square$	$\frac{1}{4}$	$\frac{1}{5} \square$	$\frac{1}{5}$	A
1	1	1	1	1	1	1	1	1	1	1
$\frac{1}{2} \square$	1	□	$\frac{1}{2}$	$\frac{1}{3} \square$	$\frac{1}{3}$	$\frac{1}{4} \square$	$\frac{1}{4}$	$\frac{1}{5} \square$	$\frac{1}{5}$	$A \times \frac{21 - 1}{1}$
$\frac{1}{2}$	1	$\frac{1}{2}$	2	$\frac{1}{3}$	3	$\frac{1}{4}$	4	$\frac{1}{5}$	5	$1 = \frac{21 - 0}{2}$
$\frac{1}{3} \square$	1	$\frac{1}{3} \square$	$\frac{1}{3}$	$\frac{1}{4} \square$	$\frac{1}{4}$	$\frac{1}{5} \square$	$\frac{1}{5}$	$\frac{1}{6} \square$	$\frac{1}{6}$	$A \times \frac{41^2 - 1}{2}$
$\frac{1}{3}$	1	$\frac{1}{3}$	3	$\frac{1}{4}$	6	$\frac{1}{5}$	10	$\frac{1}{6}$	15	$1^2 + 1 = \frac{41^2 + 41}{8}$
$\frac{1}{4} \square$	1	$\frac{1}{4} \square$	$\frac{1}{4}$	$\frac{1}{5} \square$	$\frac{1}{5}$	$\frac{1}{6} \square$	$\frac{1}{6}$	$\frac{1}{7} \square$	$\frac{1}{7}$	$A \times \frac{81^3 + 121^2 - 21 - 3}{15}$
$\frac{1}{4}$	1	$\frac{1}{4}$	4	$\frac{1}{5}$	10	$\frac{1}{6}$	20	$\frac{1}{7}$	35	$1^2 + 31^2 + 21 = \frac{81^3 + 241^2 + 161}{6}$
$\frac{1}{5} \square$	1	$\frac{1}{5} \square$	$\frac{1}{5}$	$\frac{1}{6} \square$	$\frac{1}{6}$	$\frac{1}{7} \square$	$\frac{1}{7}$	$\frac{1}{8} \square$	$\frac{1}{8}$	$A \times \frac{161^4 + 641^3 + 561^2 - 161 - 15}{105}$
$\frac{1}{5}$	1	$\frac{1}{5}$	5	$\frac{1}{6}$	15	$\frac{1}{7}$	35	$\frac{1}{8}$	70	$61^4 + 61^3 + 111^2 + 61 = \frac{24}{24}$
$\frac{1}{6} \square$	1	$\frac{1}{6} \square$	$\frac{1}{6}$	$\frac{1}{7} \square$	$\frac{1}{7}$	$\frac{1}{8} \square$	$\frac{1}{8}$	$\frac{1}{9} \square$	$\frac{1}{9}$	$= 161^4 + 961^3 + 1761^2 + 61$
$\frac{1}{6}$	1	$\frac{1}{6}$	6	$\frac{1}{7}$	21	$\frac{1}{8}$	42	$\frac{1}{9}$	63	Totus 384

A a a

# Rivalry with Hobbes



# Later writings

A Discourse Concerning Algebra

## TREATISE OF ALGEBRA,

BOTH

Historical and Practical.

SHEWING,

The Original, Progress, and Advancement thereof, from time to time; and by what Steps it hath attained to the Height at which now it is.

With some Additional TREATISES,

- I. Of the *Cono-Cuneus*; being a Body representing in part a *Conus*, in part a *Cuneus*.
- II. Of *Angular Sections*; and other things relating thereunto, and to *Trigonometry*.
- III. Of the *Angle of Contact*; with other things appertaining to the *Composition of Magnitudes*, the *Inceptives of Magnitudes*, and the *Composition of Motions*, with the Results thereof.
- IV. Of *Combinations*, *Alternations*, and *Aliquot Parts*.

By JOHN WALLIS, D. D. Professor of Geometry in the University of Oxford; and a Member of the Royal Society, London.

LONDON:

Printed by John Playford, for Richard Davis, Bookfeiler, in the University of OXFORD, M. DC. LXXXV.

Johannis Wallis S. T. D.  
Geometriæ Professoris SAVILIANI, in Celeberrima  
Academia OXONIENSI,  
OPERUM MATHEMATICORUM

*Volumen Tertium.*

QUO CONTINENTUR

CLAUDII PTOLEMÆI }  
PORPHYRII } Harmonica:  
MANUELIS BRYENNII }

ARCHIMEDIS } Arenarius, &  
} Dimensio Circuli;

Cum EUTOCII Commentario:

ARISTARCHI SAMII, de Magnitudinibus & Distantiis  
Solis & Lunæ, Liber:

PAPPI ALEXANDRINI, Libri Secundi Collectaneorum,  
hactenus desiderati, Fragmentum:

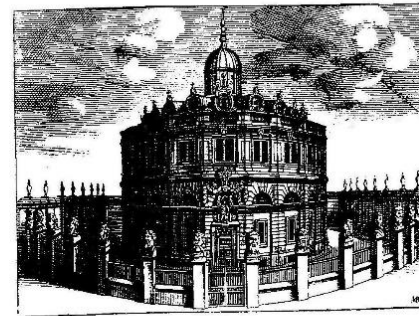
*Græce & Latine Editæ, cum Notis.*

ACCEDUNT

EPISTOLÆ nonnullæ, rem Mathematicam spectantes;

ET

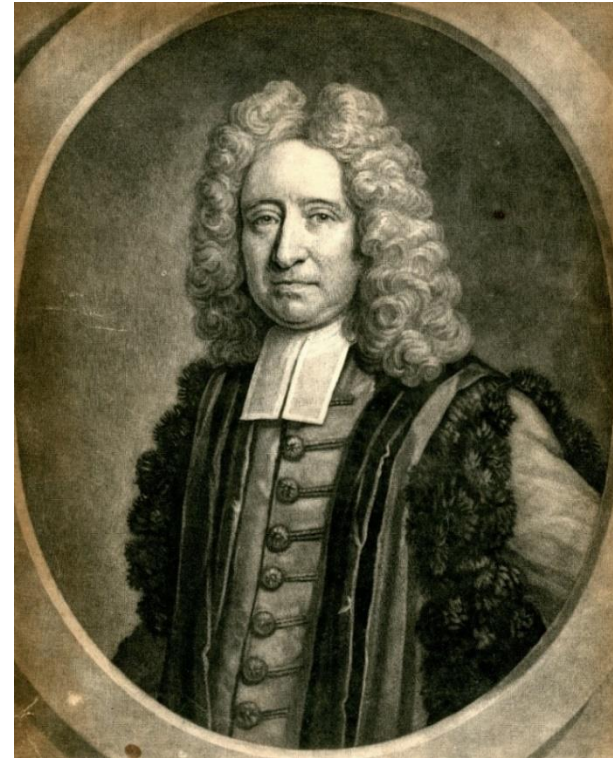
OPUSCULA quædam MISCELLANEA.



O X O N I Æ,

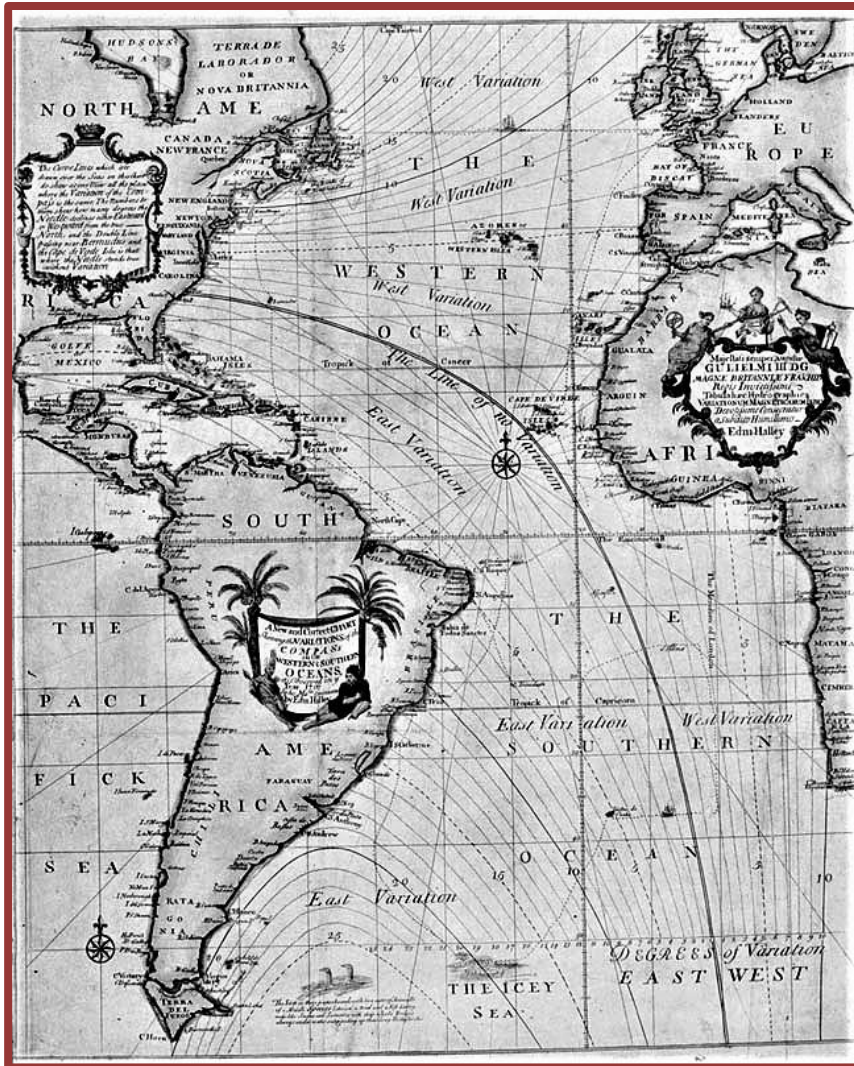
E THEATRO SHELDONIANO, An. Dom. MDCXCIX.

# 4. Edmond Halley (1704-42)



Alexand. Sanders Com  
Zur Vass  
Profess. y  
Athenon  
Edmond Halley Jun 25 Com.  
Chakomien Jul ii B Dor  
Ju Langton 17 Com

# Magnetism & solar eclipses

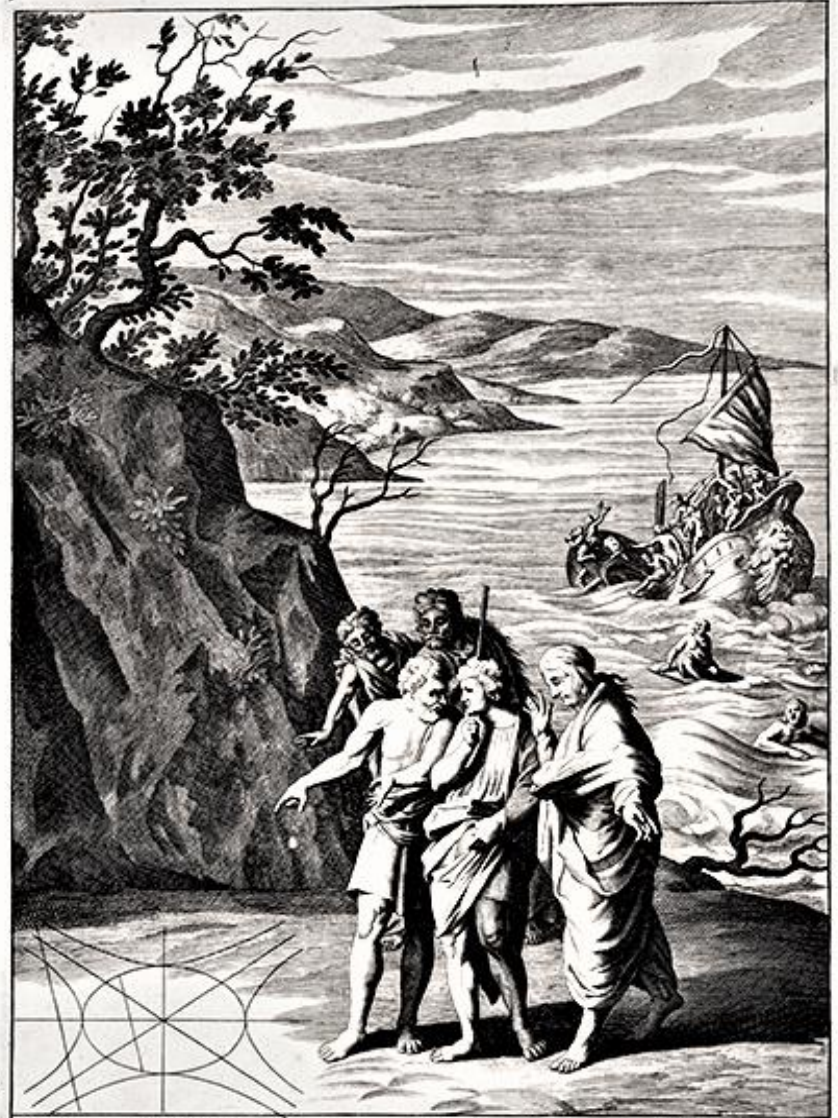


# Apollonius's *Conics* (1710)

APOLLONII PERGÆI  
CONICORUM  
LIBRI OCTO,  
ET  
SERENI ANTISSENSIS  
DE SECTIONE  
CYLINDRI & CONI  
LIBRI DUO.



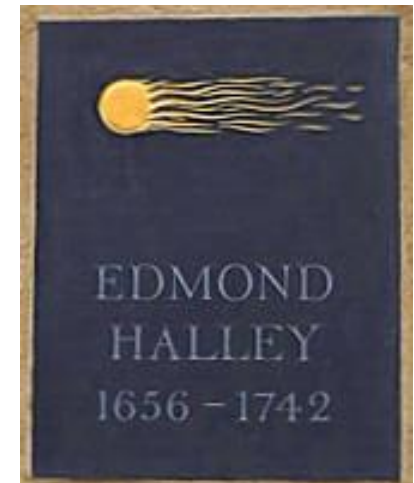
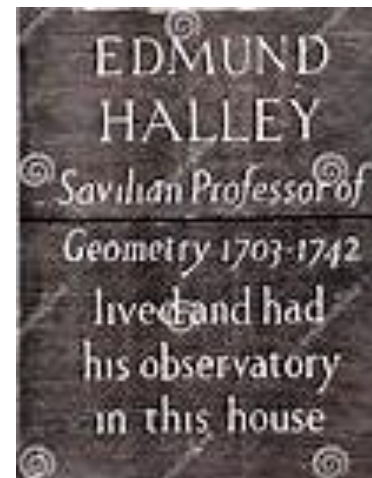
OXONIÆ,  
E THEATRO SHELDONIANO, AN. DOM. MDCCX.



Aristippus Philosophus Socraticus, naufragio cum ejectus ad Rhodiensium  
litus animadvertisset Geometrica schemata descripta, exclamavisse ad  
comites ita dicitur, Bene speremus, Hominum enim vestigia video.  
*Vitruv. Architect. lib. 6. Pref.*



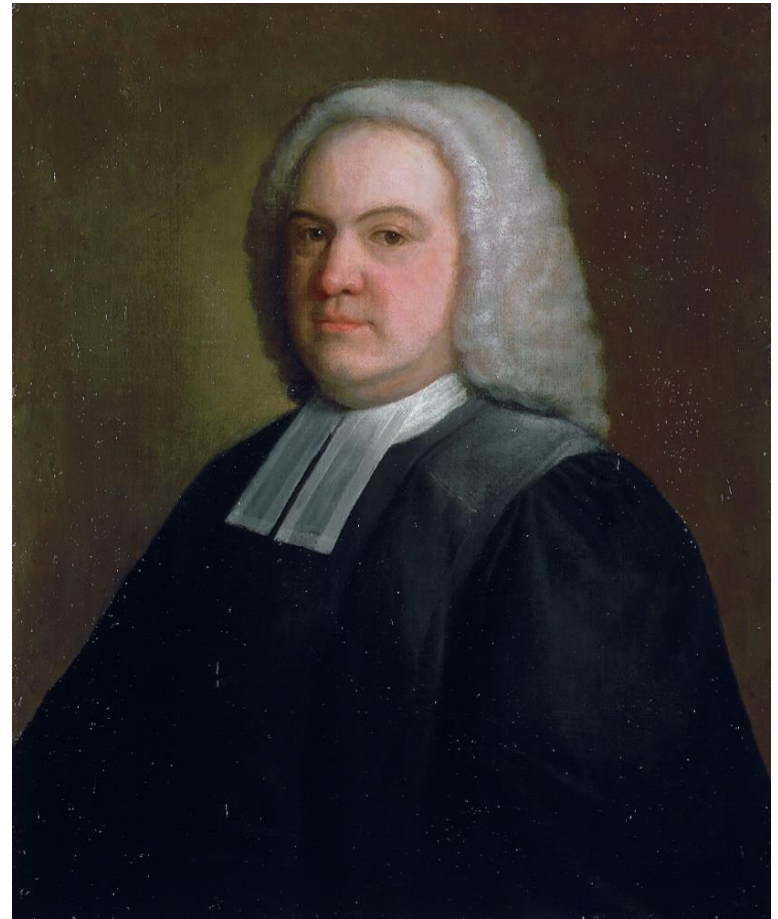
# Halley's house in New College Lane



## 5. Nathaniel Bliss (1742-64)



Nath<sup>l</sup>. Bliss A.M. Professor of  
Astronomy at Oxford. F. R. S  
Obt. 1764 aet 64.



# Newtonian Oxford



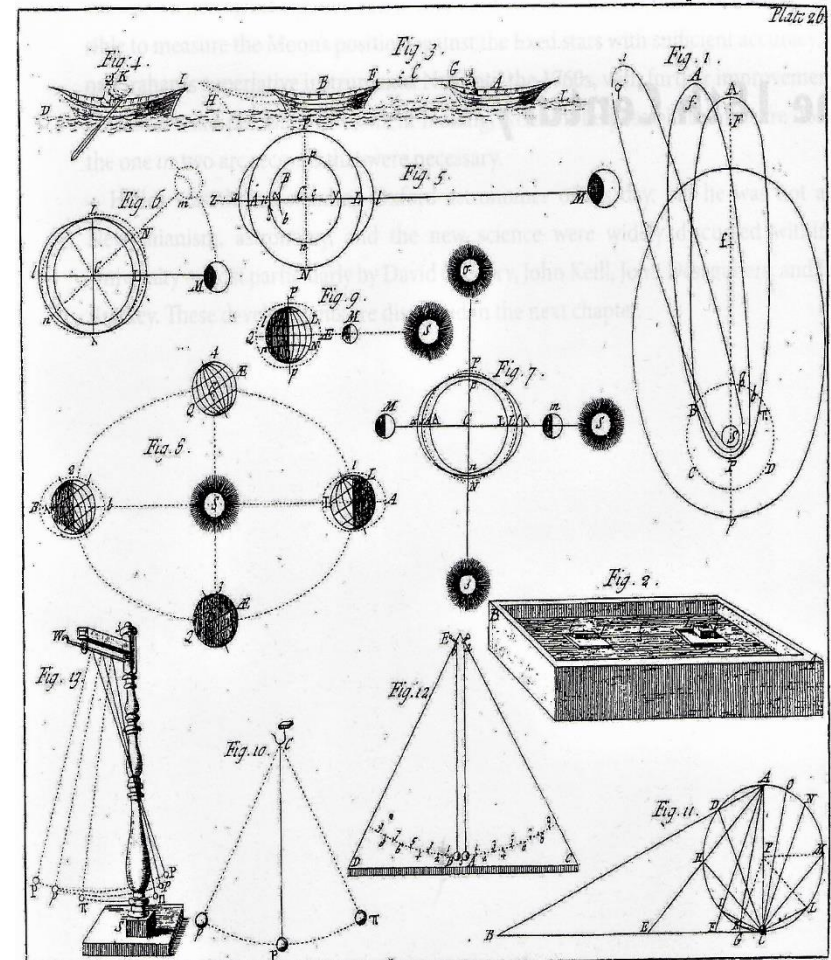
A  
C O U R S E  
O F  
Mathematical Lectures  
and Experiments.

MECHANICKS.

**T**HE Universal Properties of Bodies.  
Of Motion in general.  
The Laws of it, as Stated by Sir *Isaac Newton*: explain'd and illustrated by Experiments.  
Of the Attraction and Repulsion of the parts of Matter.  
Of the Cohesion of the parts of Bodies.  
Experiments concerning the Ascent of Fluids in small Tubes, and between Glass Plates &c.  
Concerning Magnetical and Electrical Attraction and Repulsion.  
The Universal Law of Gravitation. — The general *Phænomena* of it consider'd.  
Experiments to explain the Nature of the Center of Gravity, and to distinguish it from the Center of Magnitude, and the Center of Motion.  
— How to find the Center of Gravity in all Kinds of Bodies.  
Concerning the Line of Direction and Distance of a Weight and a Power.  
Experiments concerning the Sliding, Rolling, and Falling of Bodies.  
— Upon what the general Principle of Mechanicks is Established.  
The Truth of it proved and illustrated by its Application to several Mechanick Powers.  
The several Kinds of Leavers. — The Properties and Uses of the Ballance of Steel-Yard.

Pulleys, single and combined.  
The Wheel and Axle, or *Axis in Peritrochio*.  
The Wedge.  
The Screw.  
Several Compound Engines.  
The general Method of computing the Power of any compound Machine.  
How to find the Quantity of Friction in Mechanick Engines.  
Experiments to shew the different Effect of the same Power, acting at the same point of an Engine, in different Directions.  
Experiments to shew the Effect of two or more Powers, acting at the same time in different Directions.  
Experiments to shew the Uses and Advantages of large and small Wheels in all sorts of Carriages.  
Experiments concerning the Strength of Timber, with their Application to the Strength of the Bones of Accelerated and Retarded Motion.  
— That the Velocities of Descending Bodies are as the times of Descent.  
— That the Spaces described, are in the duplicate Proportion of the times.  
An Instrument to measure the Force of descending Bodies.  
Of the Ascent and Descent of Bodies upon inclined Planes.  
Of *Pendulums*.  
Of the Center of Oscillation.

— Cyclo-



# 6. Joseph Betts (1765-66)

# 7. John Smith (1766-97)



**OBSERVATIONS**  
ON THE  
**USE AND ABUSE**  
OF THE  
**Cheltenham Waters,**  
IN WHICH ARE INCLUDED  
**Occasional Remarks on different Saline Compositions.**

---

By **J. SMITH, M. D.**  
*Savilian Professor of Geometry in the University of OXFORD.*

---

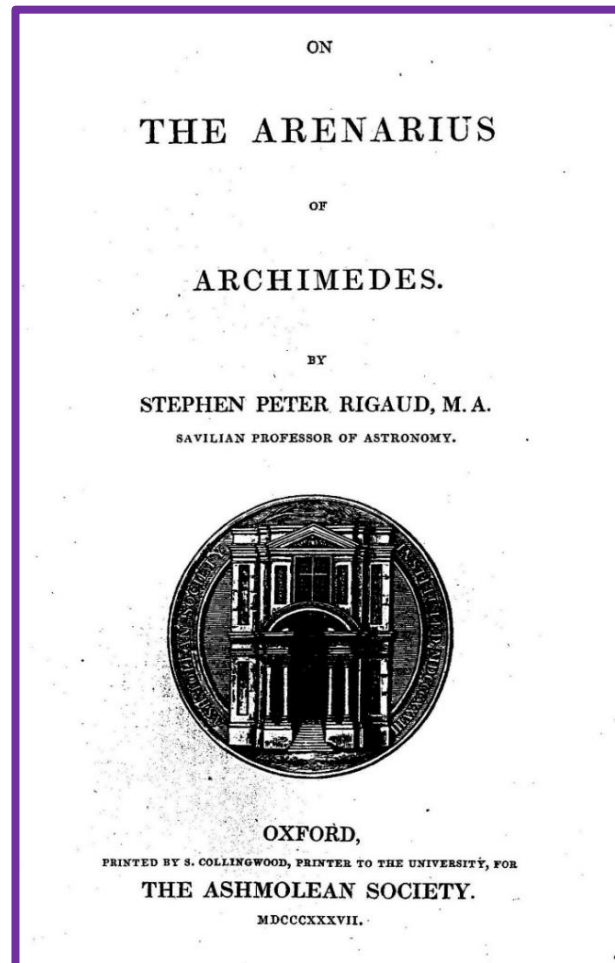
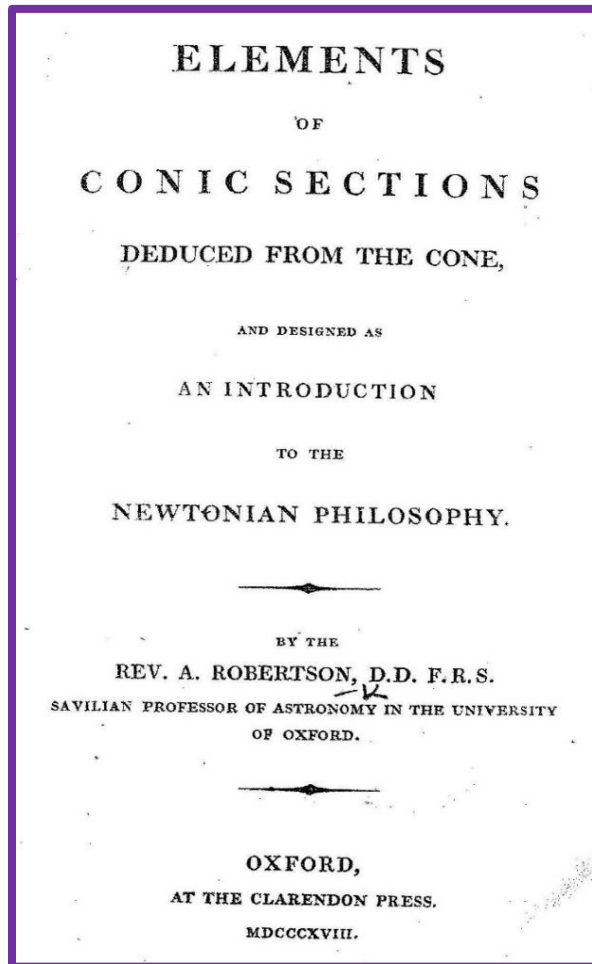
**CHELTEMHAM:**  
Printed and Sold by **S. HARWARD**; sold also at his  
Shops in **GLOUCESTER** and **LEWESBURY**; by **MURRAY,**  
**ELMSLY,** and **CADELL,** in **LONDON**; and by the  
Bookellers in **OXFORD** and **BATH.** 1786.

---

Price One Shilling and Six-pence.

8. Abraham Robertson (1797-1810)

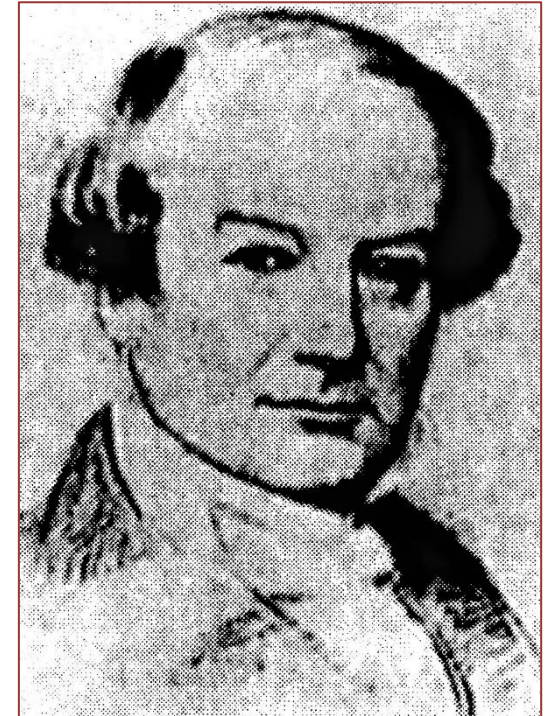
9. Stephen Peter Rigaud (1810-27)



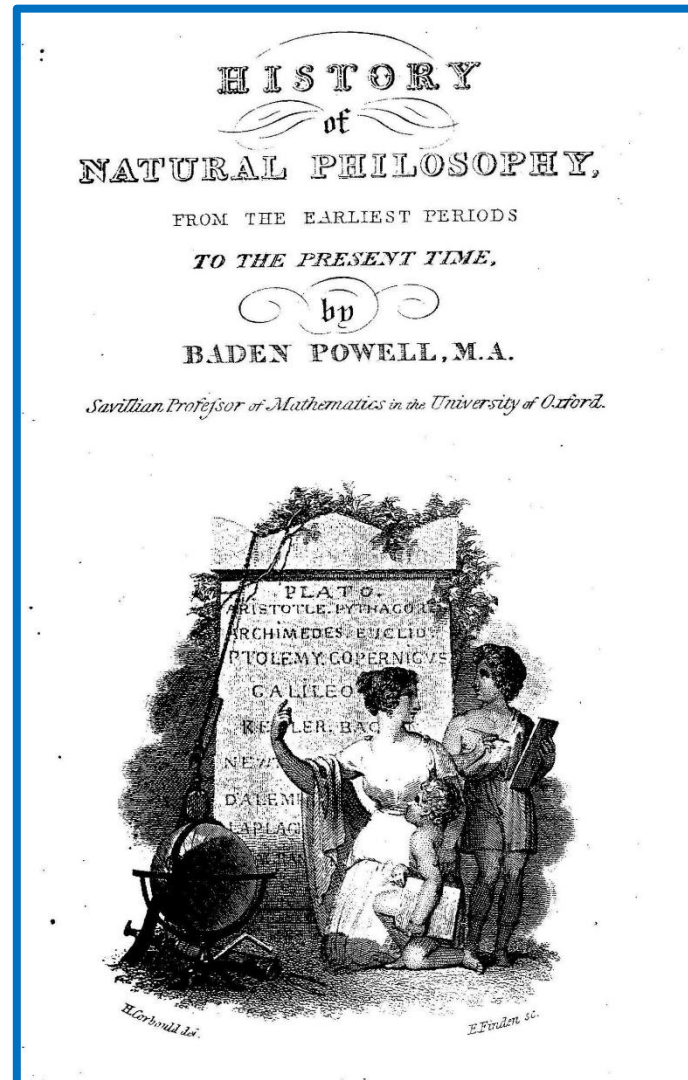
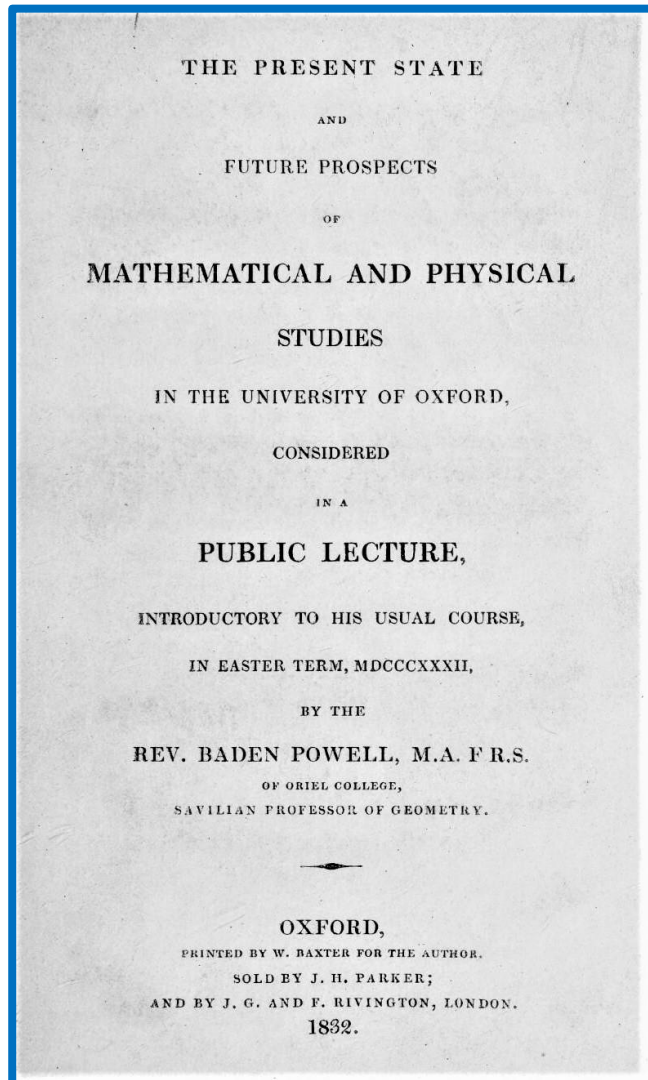
# Later Savilian professors

- 1827 **Baden Powell** (1796–1860)
- 1861 **Henry J. S. Smith** (1826–83)
- 1883 **James Joseph Sylvester** (1814–97)
- 1897 **William Esson** (1839–1916)
- 1920 **Godfrey Harold Hardy** (1877–1947)
- 1931 **Edward C. Titchmarsh** (1899–1963)
- 1963 **Michael F. Atiyah** (1929–2019)
- 1969 **Ioan M. James** (b. 1928)
- 1995 **Richard L. Taylor** (b.1962)
- 1997 **Nigel J. Hitchin** (b. 1946)
- 2017 **Frances C. Kirwan** (b. 1959)

# 10. Baden Powell (1827-60)

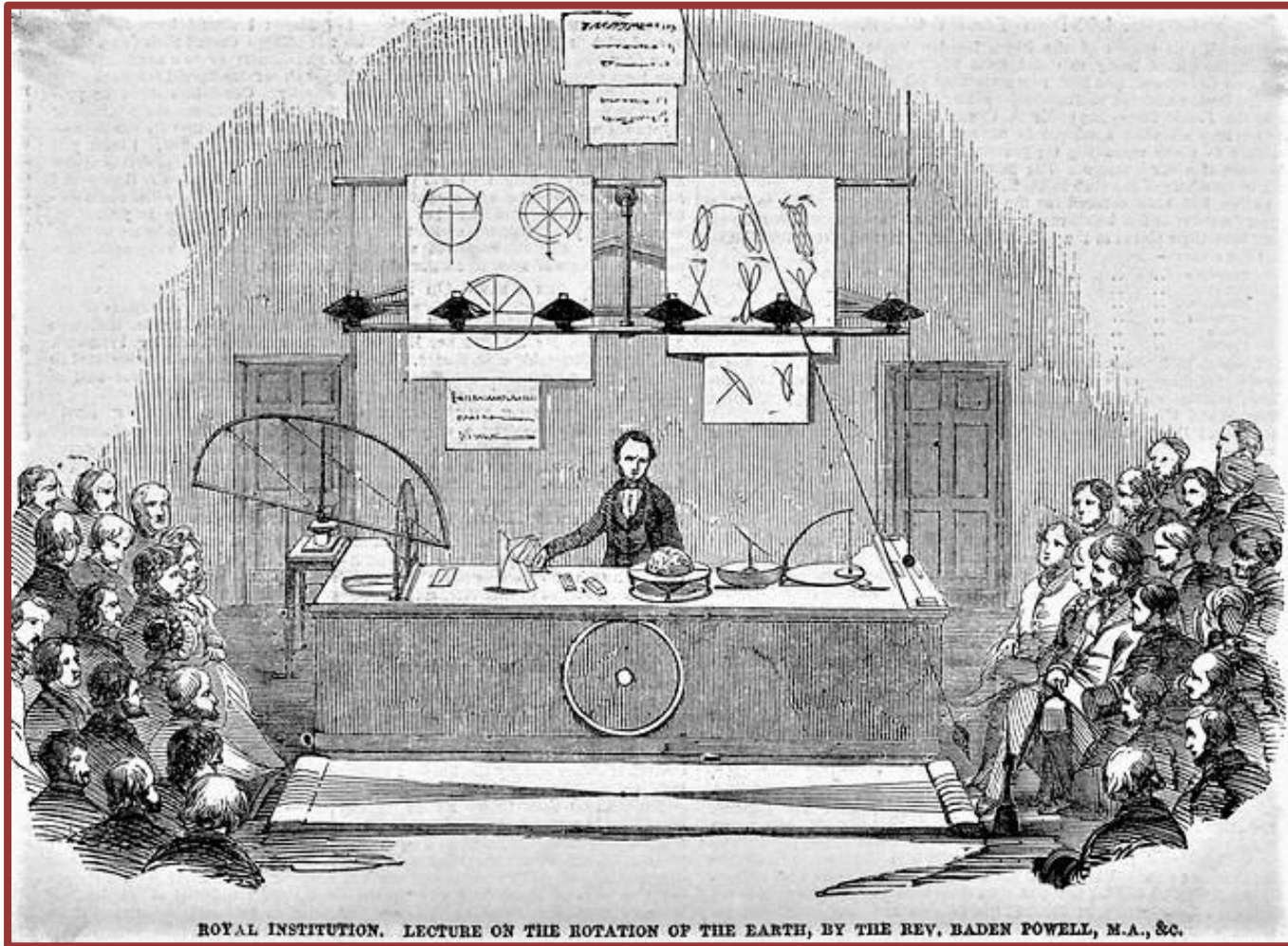


# Two publications

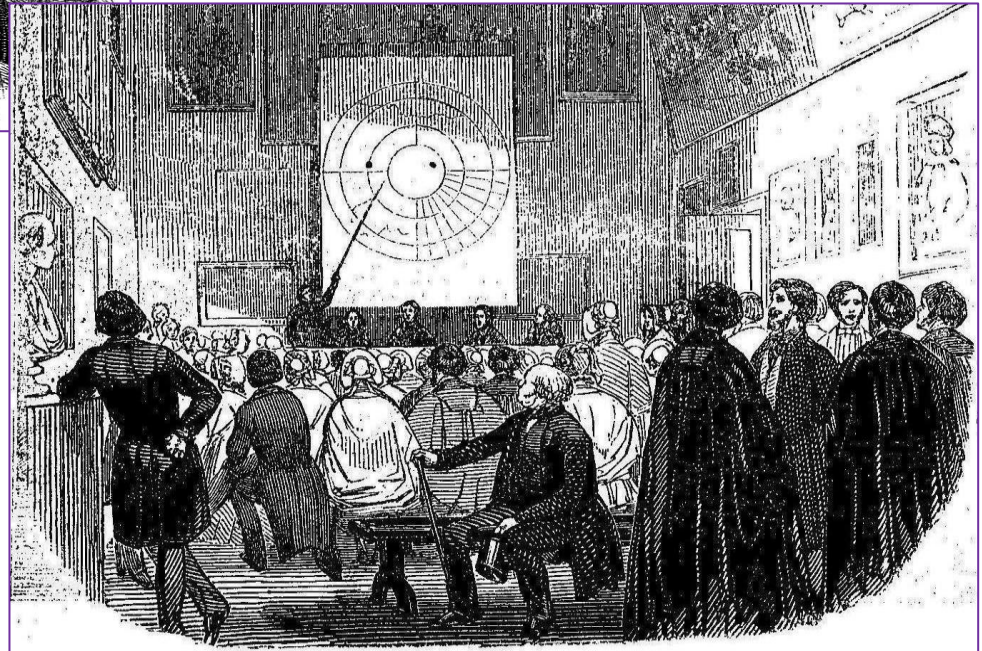
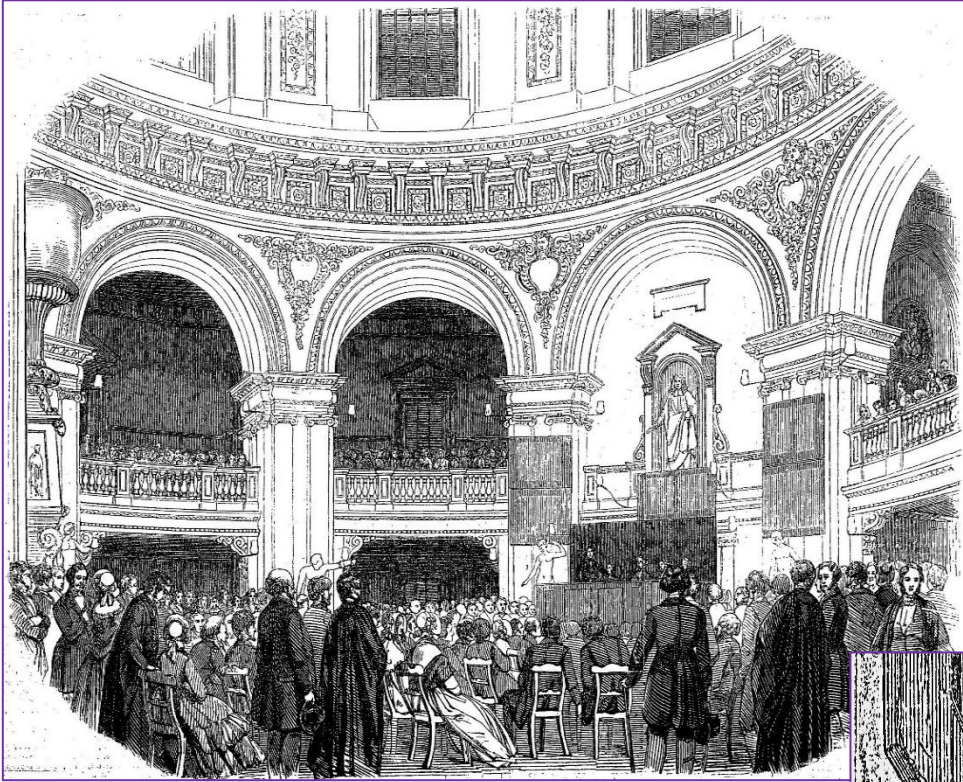




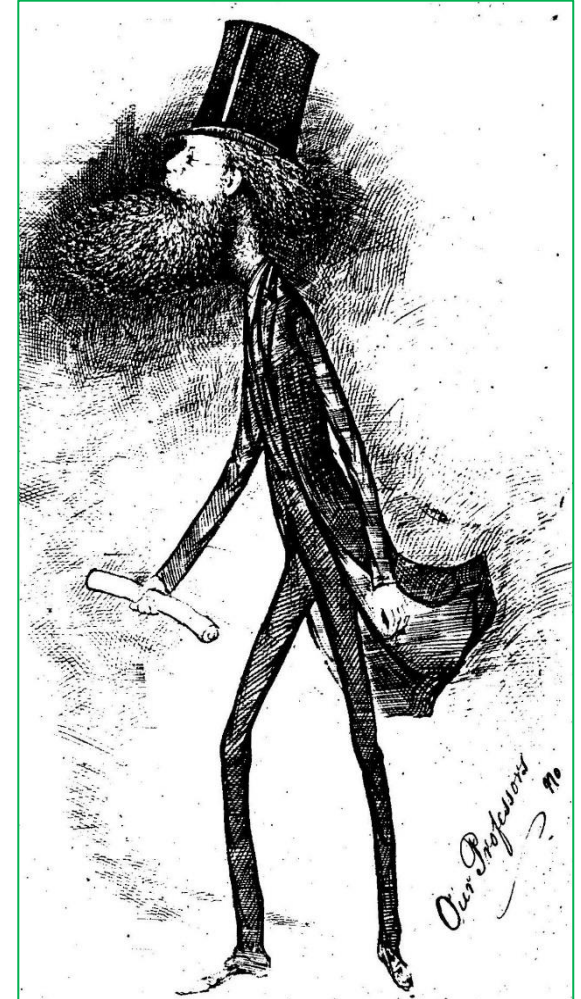
# Powell at the Royal Institution



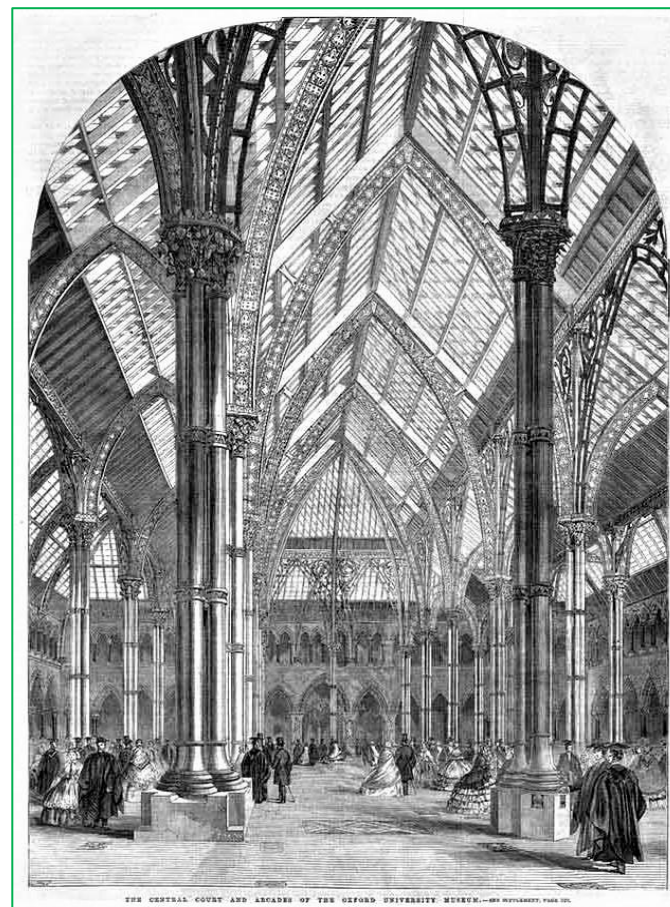
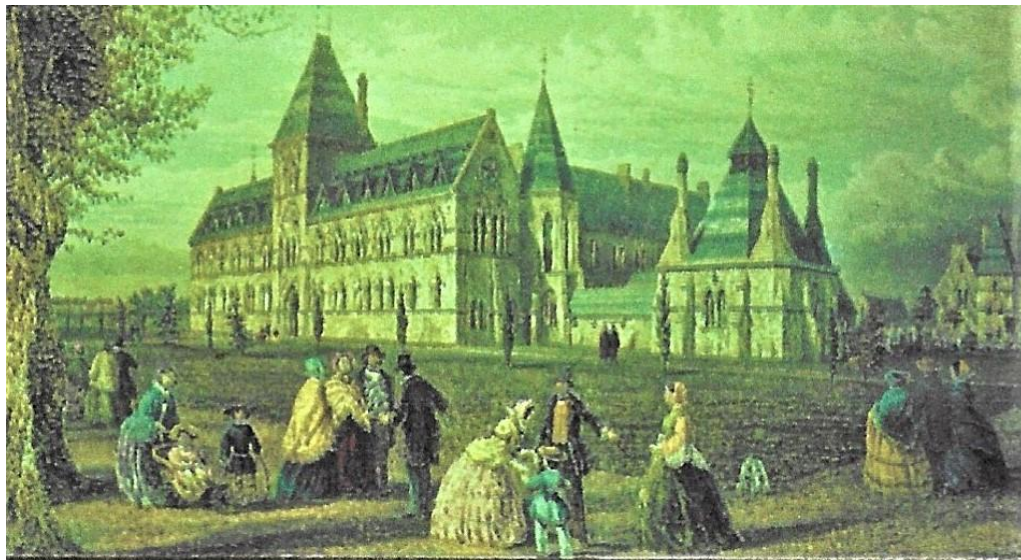
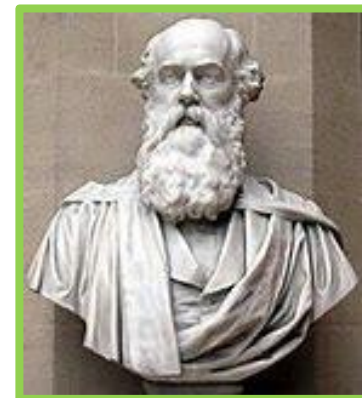
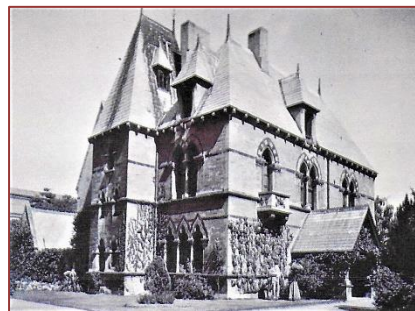
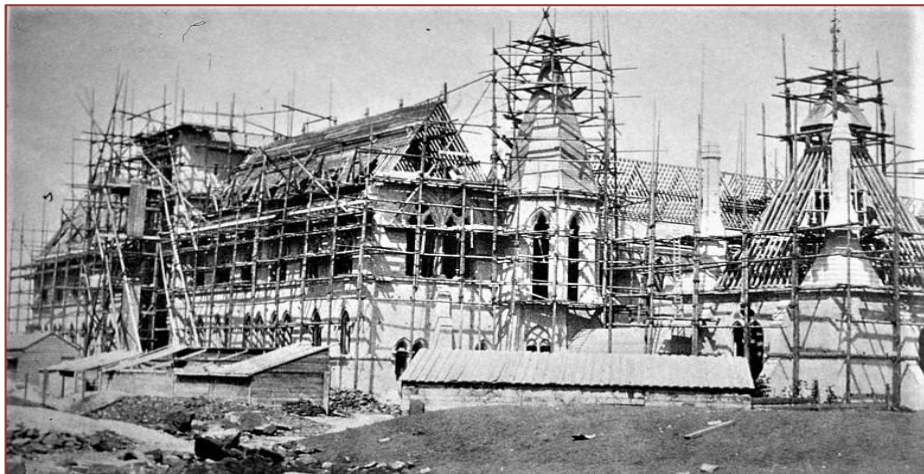
# British Association meeting Oxford 1847



# 11. Henry J. S. Smith (1861-83)



# University Museum



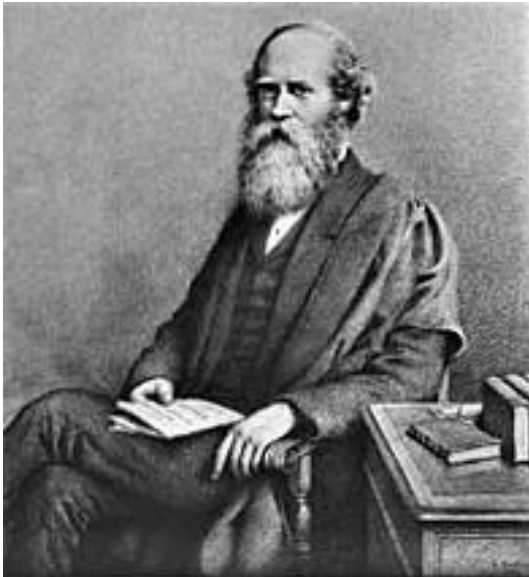
# Number theory

*Report on the Theory of Numbers.—Part I.*

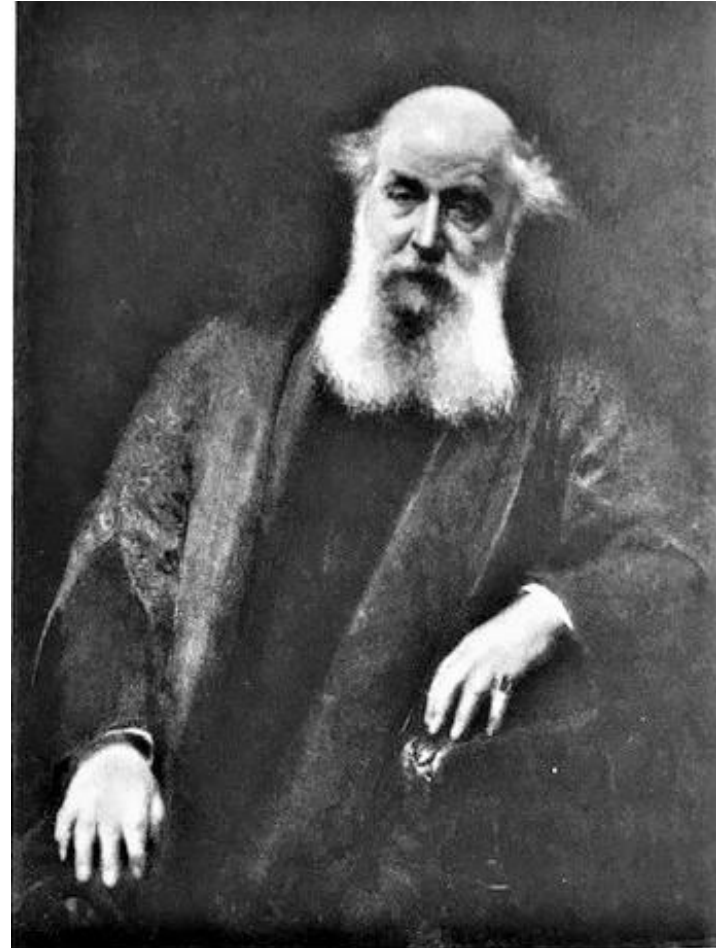
*By H. J. STEPHEN SMITH, M.A., Fellow of Balliol College, Oxford.*

1. THE 'Disquisitiones Arithmeticae' of Karl Friedrich Gauss (Lipsiæ, 1801) and the 'Théorie des Nombres' of Adrien Marie Legendre (Paris, 1830, ed. 3) are still the classical works on the Theory of Numbers. Nevertheless, the actual state of this part of mathematical analysis is but

$$11 = 9 + 1 + 1 + 0 + 0 = 4 + 4 + 1 + 1 + 1 = 1 + 4 + 1 + 4 + 1 = \dots$$

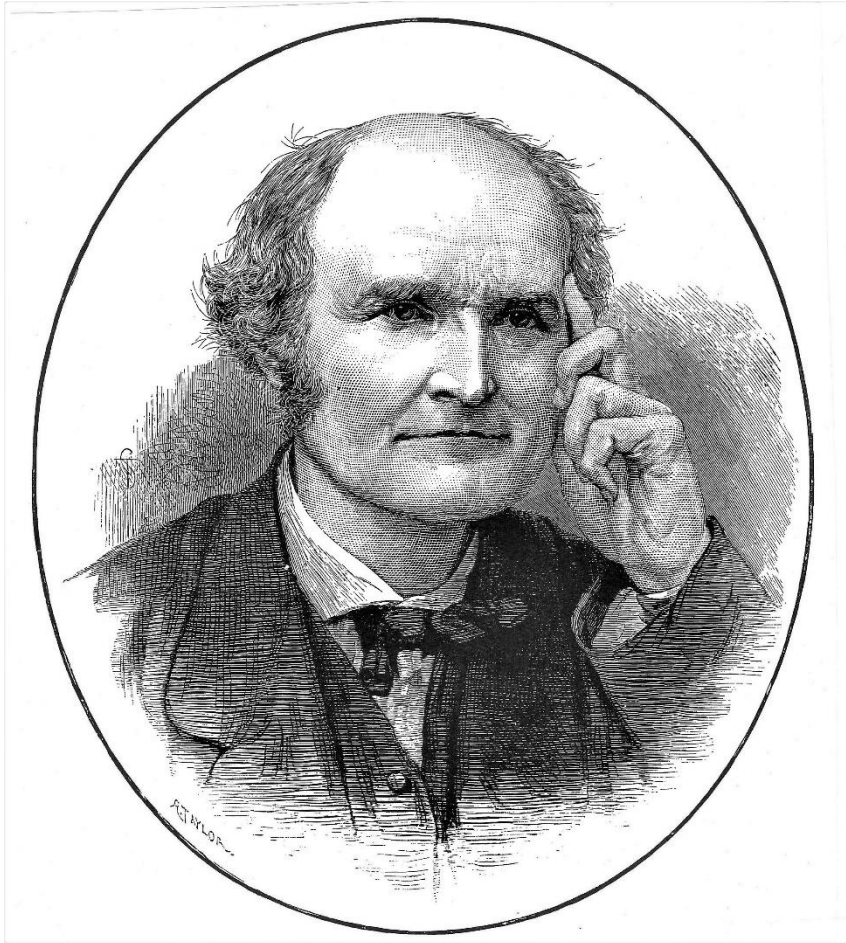


## 12. James Joseph Sylvester (1883-97)



*Yours faithfully  
J. J. Sylvester*

# J. J. Sylvester & Arthur Cayley



New College,  
Oxford.

29<sup>th</sup> Jan 1884

Dear Cayley - I enclose P.O  
order for 8/8 with many thanks

I am bound by staff and  
by the wants of the undergraduates  
reading for mods to give a  
course or courses of lectures on  
Pure synthetic geometry.

It is open to me and rather  
expedient to give also a course  
on Analytical Geometry - but  
this will be subsequent to the

# Lectures on surfaces



## SAVILIAN PROFESSOR OF GEOMETRY: J. J. SYLVESTER, M.A., Hon. D.C.L.

The proposed grant from the University for the purchase of geometrical models not having yet received the necessary sanction, the previously announced course of Lectures "on Surfaces, illustrated by plaster, string, and card-board models," is postponed. The Lectures for the ensuing Term will be on Projective Reciprocants (otherwise called Differential Invariants) and their geometrical applications.

Intending members of the class are recommended to procure M. Halphen's "Thèse sur les Invariants Différentiels" (Paris: Gauthier Villars, 1878), and the Report of the Professor's Lectures on Reciprocants, delivered before the University in Hilary and Trinity Terms last, edited by Mr. James Hammond, in Part 3. Vol. 8 and the forthcoming parts of Vol. 9 of the American Journal of Mathematics (Trübner & Co., Ludgate Hill).

The days of lecture will, as previously announced, be Tuesday and Saturday, commencing Saturday, October 23, but in lieu of 11 A.M., as previously announced, at 4.30 P.M.



# THE OXFORD MATHEMATICAL SOCIETY.

NOVEMBER, 1888.

*List of Original members.*

## President.

J. J. SYLVESTER, M.A., F.R.S., Savilian Professor of Geometry.

## Vice-Presidents.

REV. BARTHOLOMEW PRICE, M.A., F.R.S., Sedleian Professor of Natural Philosophy.

WILLIAM ESSON, M.A., F.R.S., Merton College.

## Secretary.

E. B. ELLIOTT, M.A., Queen's College.

R. E. BAYNES, M.A., Ch. Ch.

REV. J. BELLAMY, D.D., Vice-Chancellor, and  
President of St. John's.

C. E. BICKMORR, M.A., New College.

T. BOWMAN, M.A., Merton College.

J. E. CAMPBELL, B.A., Hertford College.

A. W. CAVE, M.A., Magdalen College.

REV. R. H. CHAMBLEY, M.A., St. Mary Hall.

REV. J. CHEVALLIER, M.A., New College.

R. B. CLIFTON, M.A., F.R.S., Professor of Ex-  
perimental Philosophy.

REV. H. DEANE, B.D., St. John's College.

J. M. DYER, M.A., Worcester College.

C. J. FAULKNER, M.A., University College.

H. T. GERRANS, M.A., Worcester College.

J. GRIFFITHS, M.A., Jesus College.

J. HAMMOND, M.A., Queen's College, Camb.

C. E. HASELEOOD, B.A., Hertford College.

REV. R. HARLEY, M.A., F.R.S.

E. H. HAYES, M.A., New College.

C. LEUDESORF, M.A., Pembroke College.

A. LODGE, M.A., St. John's College.

D. B. MONRO, M.A., Provost of Oriel College.

C. J. C. PRICE, M.A., Exeter College.

REV. C. PRITCHARD, M.A., F.R.S., Savilian  
Professor of Astronomy.

L. J. ROGERS, M.A., Balliol College.

J. W. RUSSELL, M.A., Merton College.

C. H. SAMPSON, M.A., B. N. C.

REV. E. F. SAMPSON, M.A., Ch. Ch.

A. L. SELBY, M.A., Merton College.

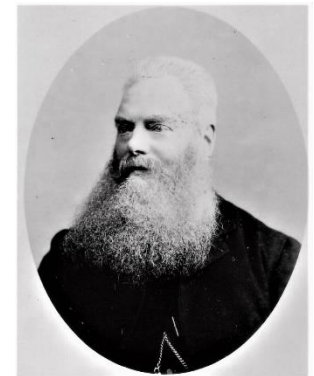
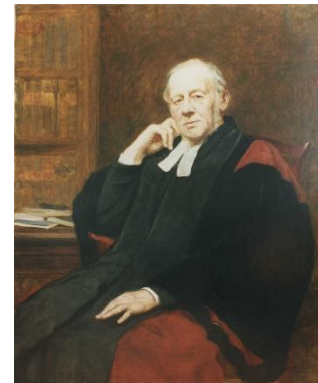
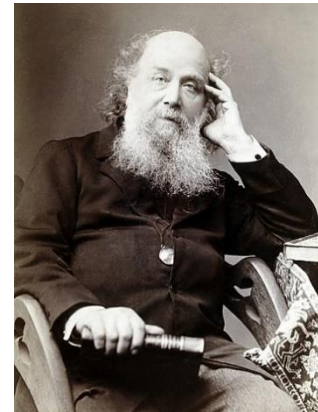
REV. F. J. SMITH, M.A., Trinity College.

E. J. STONE, M.A., F.R.S., Ch. Ch., Radcliffe  
Observer.

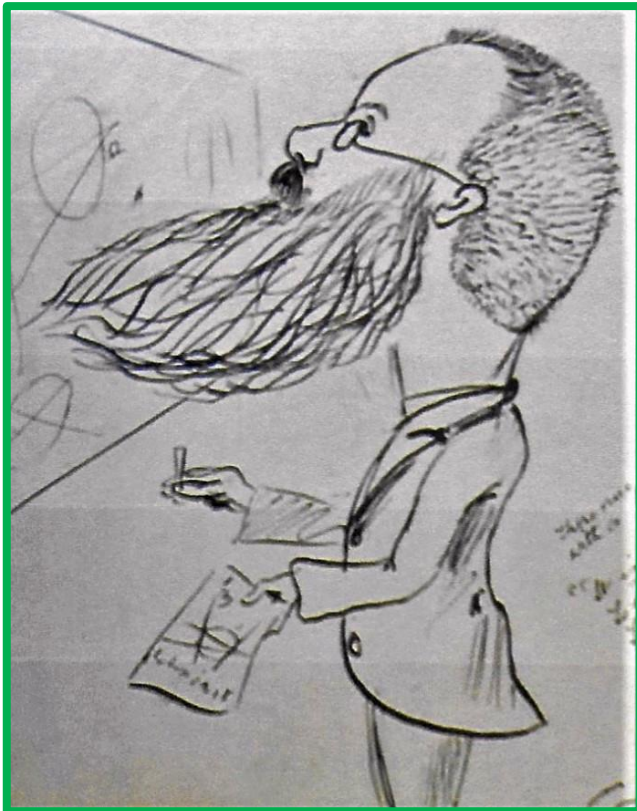
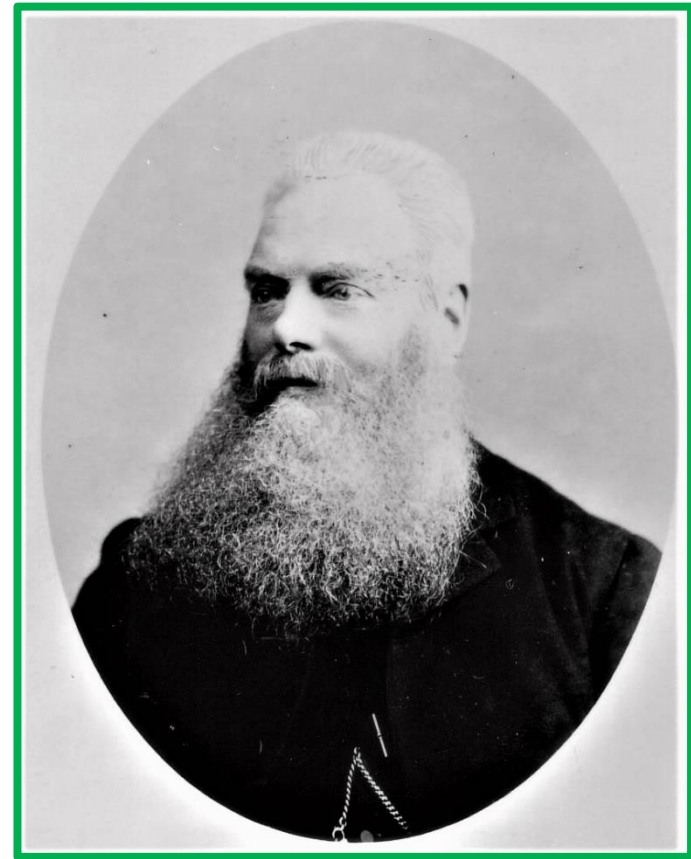
REV. G. S. WARD, M.A., Hertford College.

J. COOK WILSON, M.A., Oriel College.

# Oxford Mathematical Society, 1888



# 13. William Esson (1897-1916)

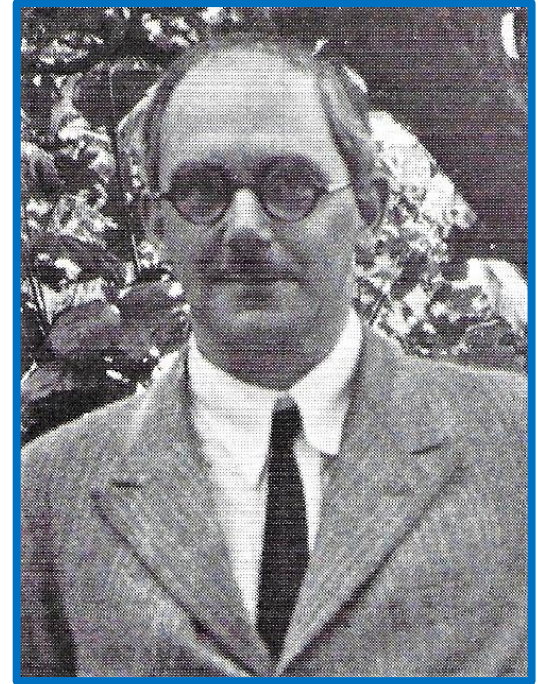
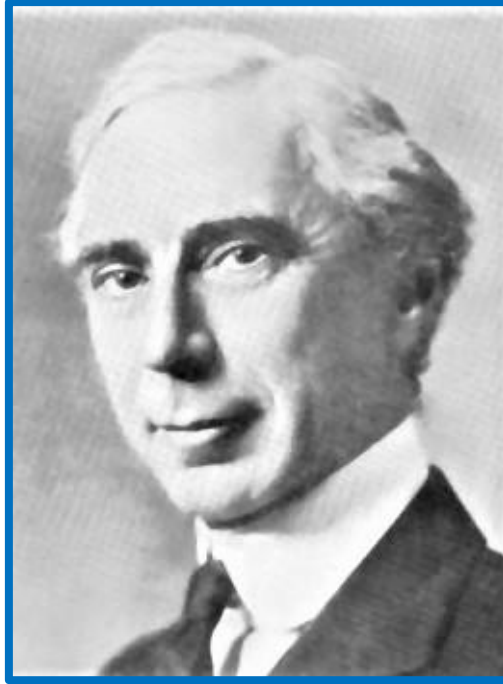
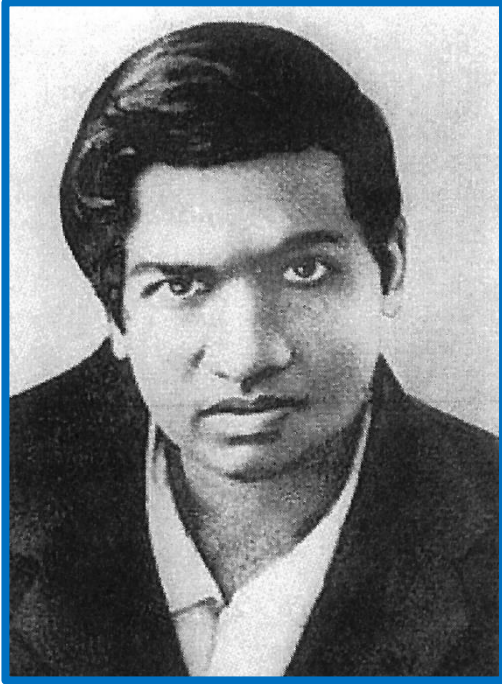


That under the powers conferred by the Emergency Statute II, which was approved by Convocation on November 2, 1915, the election to the vacant Savilian Professorship of Geometry be suspended from February 1, 1917, until the end of the Emergency Period, as defined in the Universities and Colleges (Emergency Powers) Act, 1915; and that any moneys undis-

# 14. G. H. Hardy (1920-31)



# Hardy leaves Cambridge



## SAVILIAN PROFESSORSHIP OF GEOMETRY.

At a meeting of the Electors held on Friday, December 12, GODFREY HAROLD HARDY, M.A., Fellow of Trinity College, Cambridge, was elected Savilian Professor of Geometry, to enter on office on January 19, 1920.



# Hardy's Inaugural lecture

SOME FAMOUS PROBLEMS

of the

THEORY OF NUMBERS

and in particular

Waring's Problem

*An Inaugural Lecture delivered before the*

*University of Oxford*

BY

G. H. HARDY, M.A., F.R.S.

*Fellow of New College*

*Savilian Professor of Geometry in the University of Oxford  
and late Fellow of Trinity College, Cambridge*

OXFORD

AT THE CLARENDON PRESS

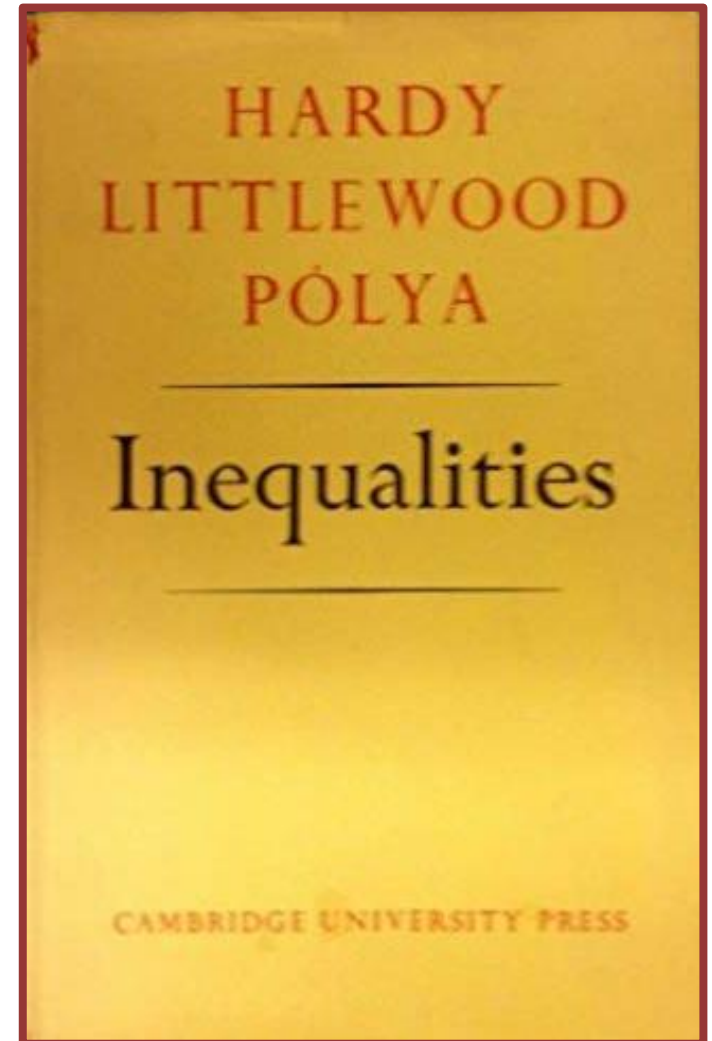
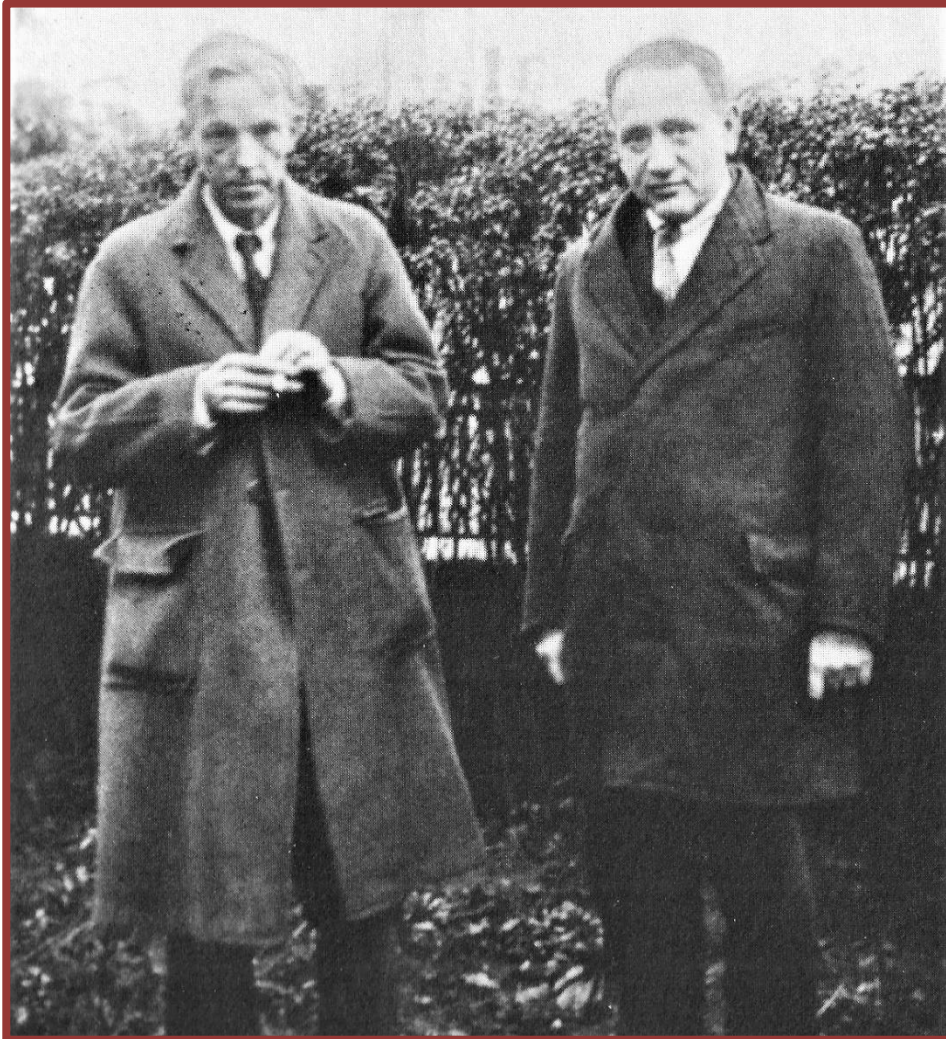
1920



# Hardy's research students



# Hardy's internationalism





# Publications

## A MATHEMATICIAN'S APOLOGY

G. H. HARDY / Foreword by C. P. Snow



CAMBRIDGE UNIVERSITY PRESS



## Collected Papers of SRINIVASA RAMANUJAN

*Edited by*

G. H. HARDY

P. V. SESHU AIYAR

*and*

B. M. WILSON



## WHAT IS GEOMETRY ?

*(Presidential Address to the Mathematical Association, 1925.)*

BY PROF. G. H. HARDY, F.R.S.

I HAVE put the title of my address in the form of a definite question, to which I propose to return an equally definite answer. I wish to make it quite plain from the beginning that there will be nothing in the least degree original, still less anything paradoxical or sensational, in my answer, which will be the orthodox answer of the orthodox professional mathematician.

# 15. E. C. Titchmarsh (1931-63)



# Letters to Titchmarsh



University Registry,  
Oxford.

1 August, 1931.

Ref.No.GSP/1.

Dear Sir,

I have the pleasure to inform you that you have this day been elected to the Savilian Professorship of Geometry with effect from October 1 next.

Yours faithfully,

*Angela Viale.*

Registrar.

E.C.Titchmarsh, Esq.,  
Maplestead Hall,  
Halstead,  
Essex.

New Coll.

7 May [1923-6?]  
Add. Mus. 276

Dear Titchmarsh

I don't know the adequacy of the reason.

I meant to copy out the enclosed notes, but haven't time. I think you will be able to follow them: will you let me have them back?

The final question

Does  $\int |f(x+\epsilon) - f(x)| dx = o(\epsilon) \Rightarrow f = \phi$ ,  
 $\phi$  continuous, p.p.?

still intrigues me

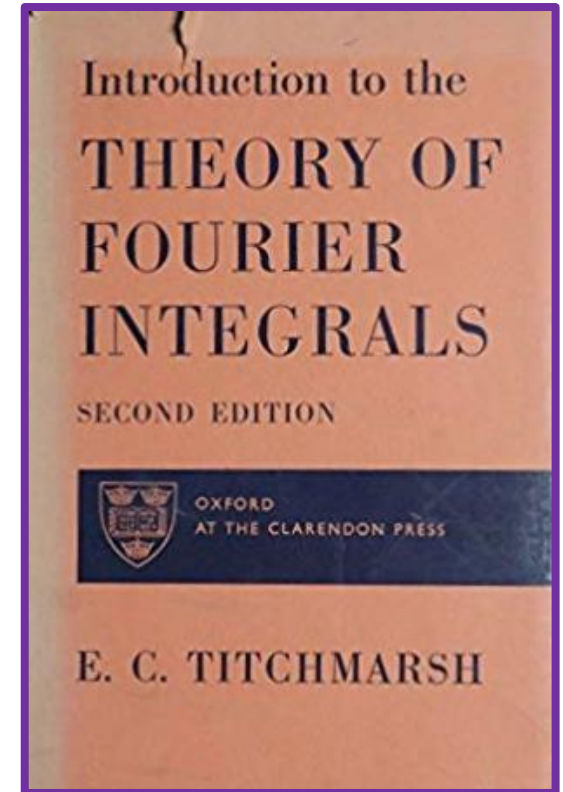
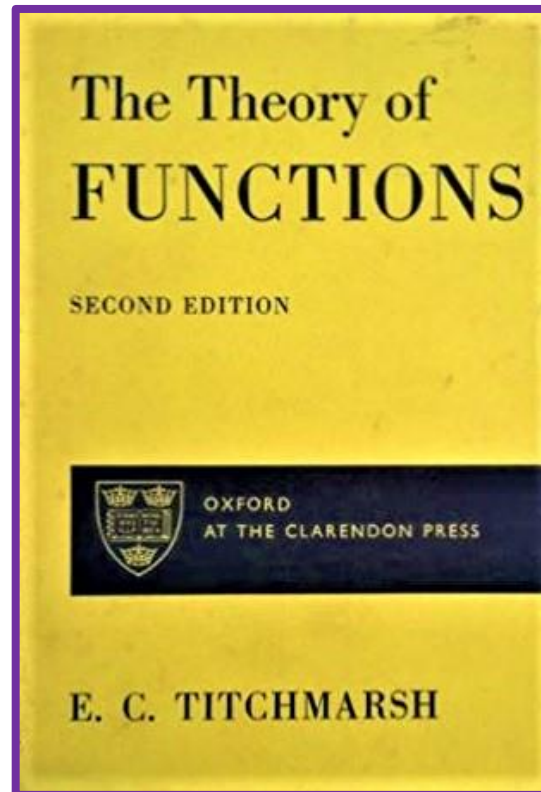
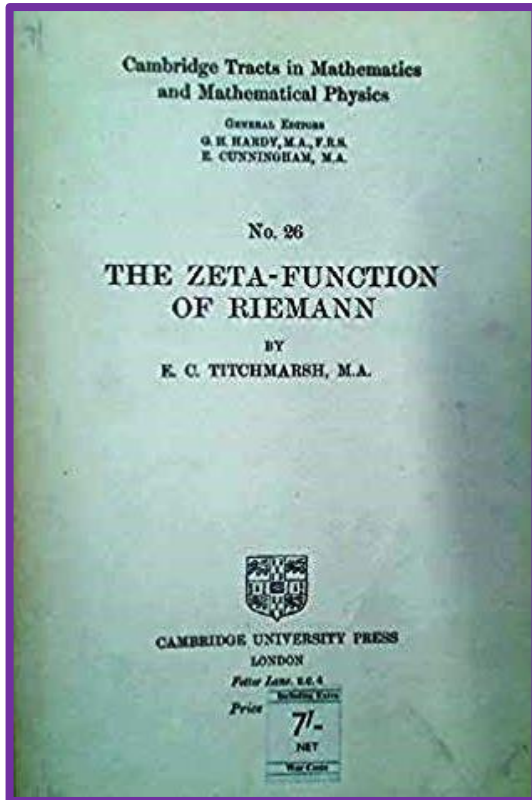
Lebesgue test for convergence of a series

$$\int_{\epsilon}^{\infty} \frac{|f(x+\epsilon) - f(x)|}{x} dx = o(1)$$

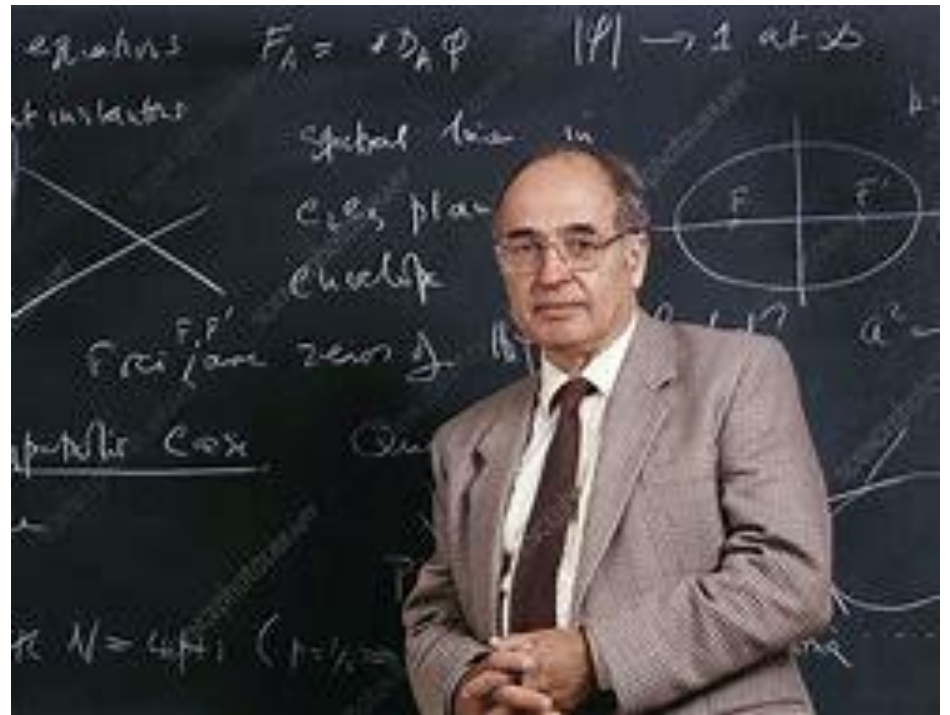
holds everywhere, and given piecewise: for

$$\frac{1}{\epsilon} \int_{\epsilon}^{\infty} \dots = \frac{1}{\epsilon} o(\epsilon) = o(1)$$

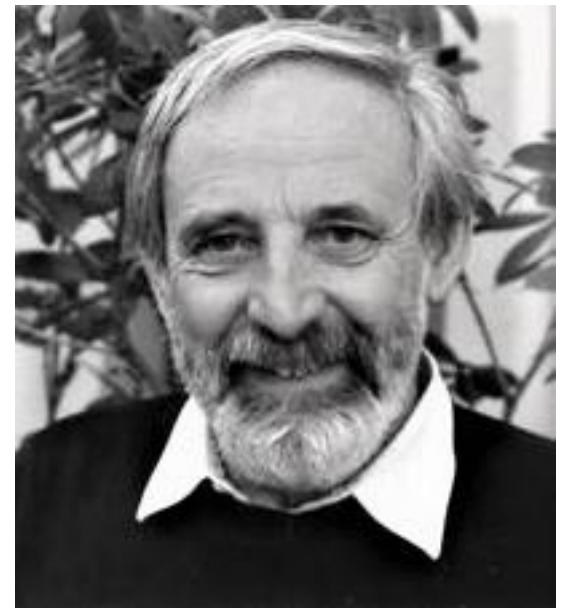
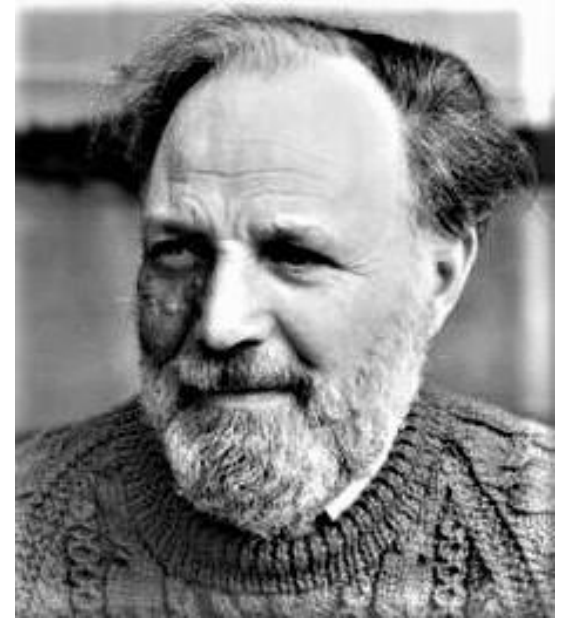
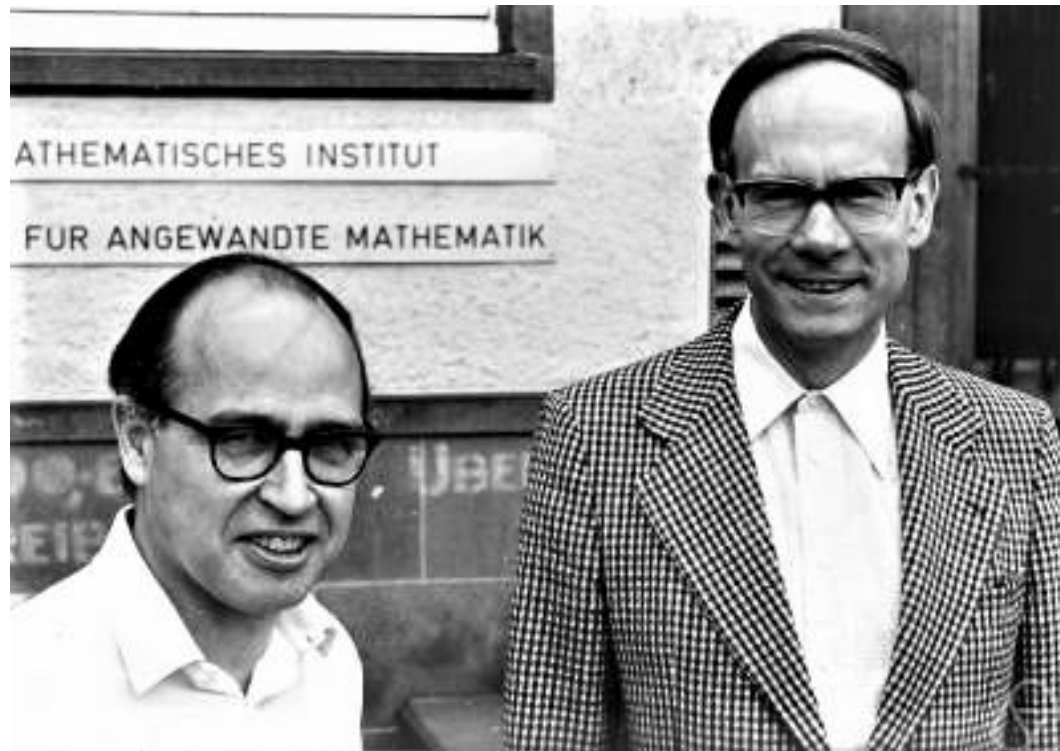
# Some of Titchmarsh's books



# 16. Michael Atiyah (1963-68)



# Atiyah's collaborators

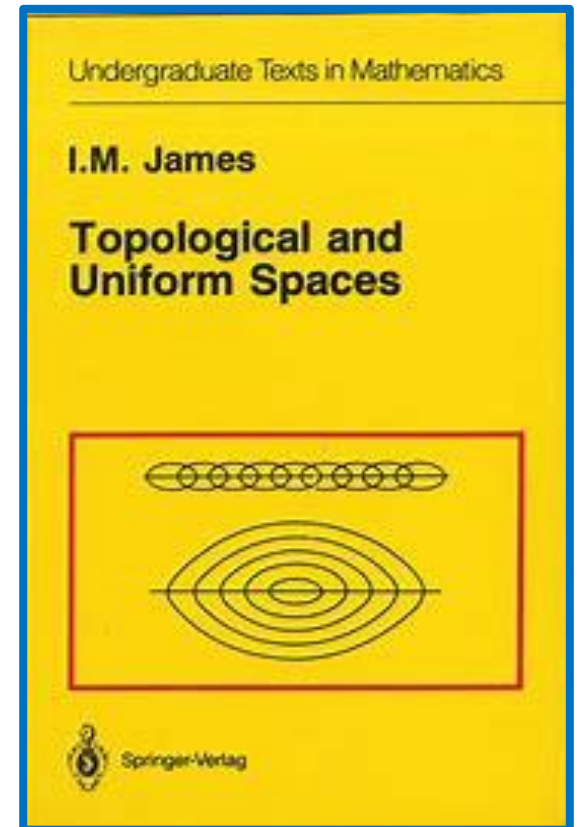
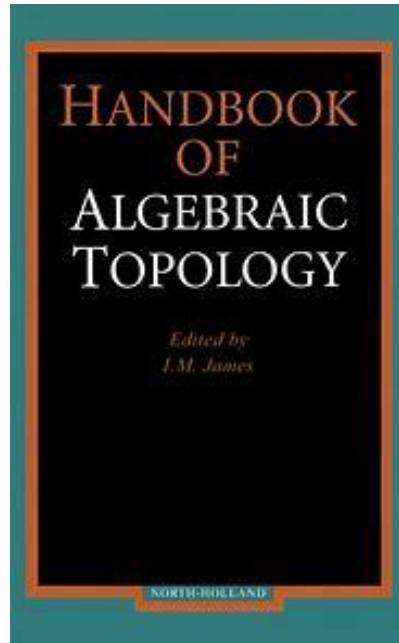
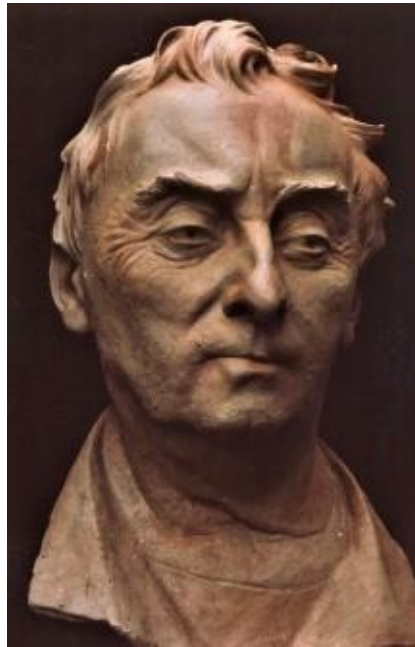




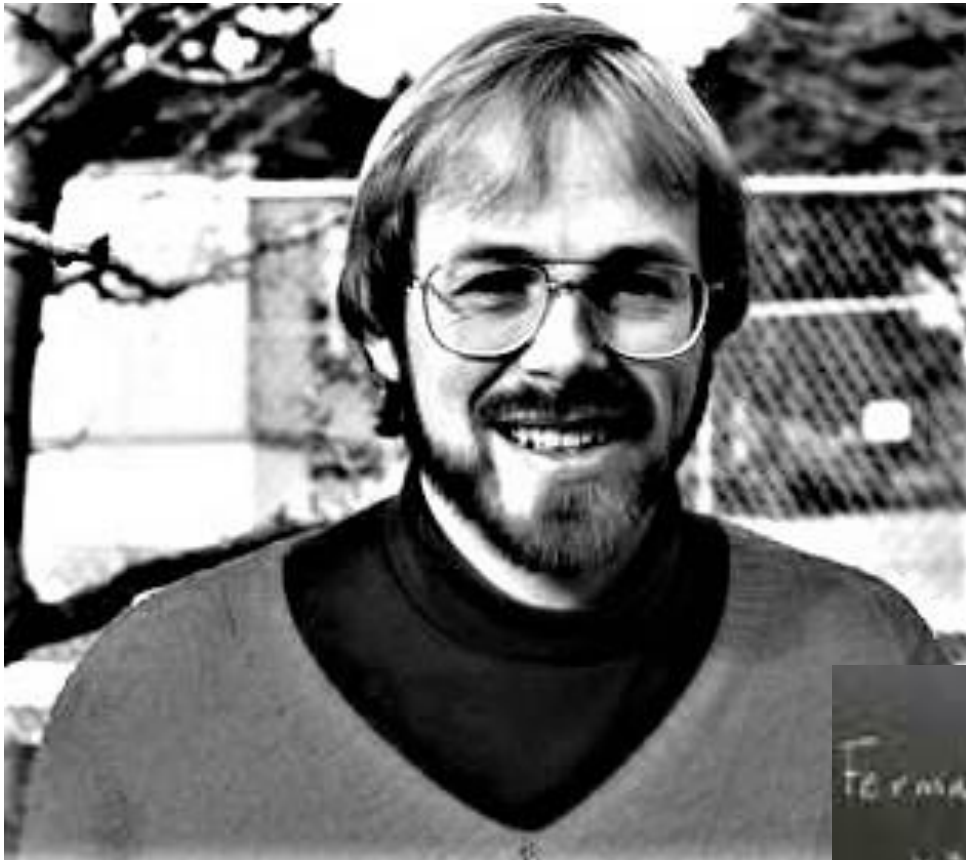
# International awards



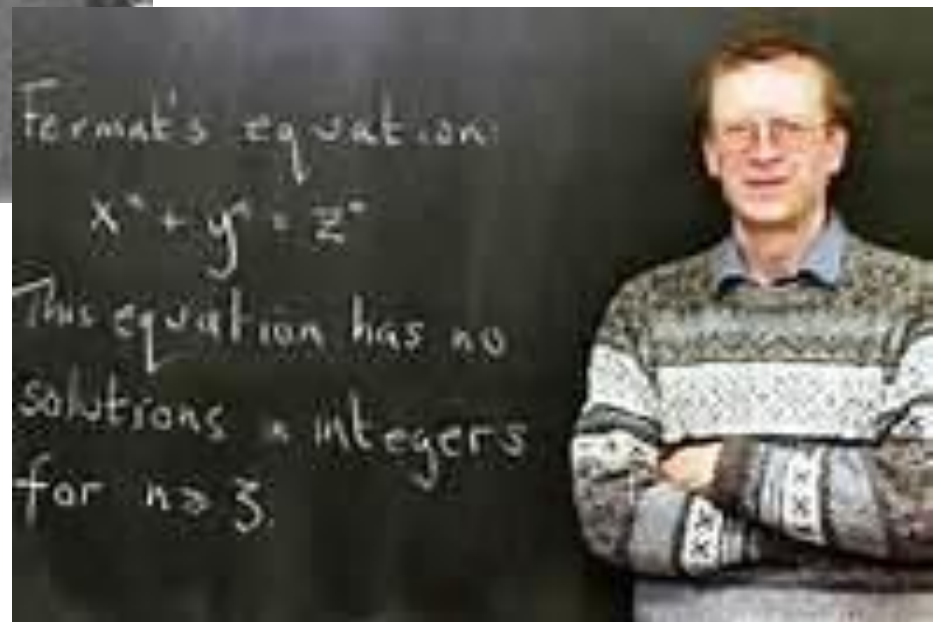
# 17. Ioan James (1969-95)







**18.**  
**Richard**  
**Taylor**  
**(1995-96)**



**19. Nigel Hitchin**  
**20. Frances Kirwan**



OXFORD

edited by  
Robin  
Wilson

Oxford's  
Savilian  
Professors  
of Geometry

THE  
FIRST  
400  
YEARS

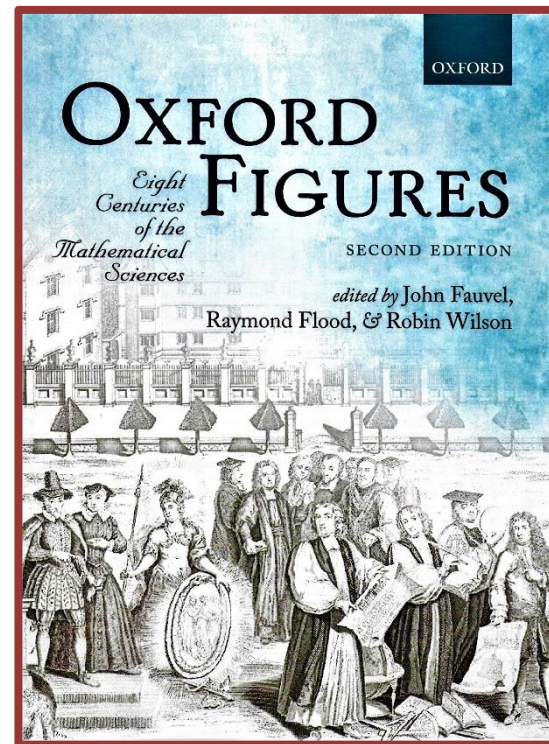
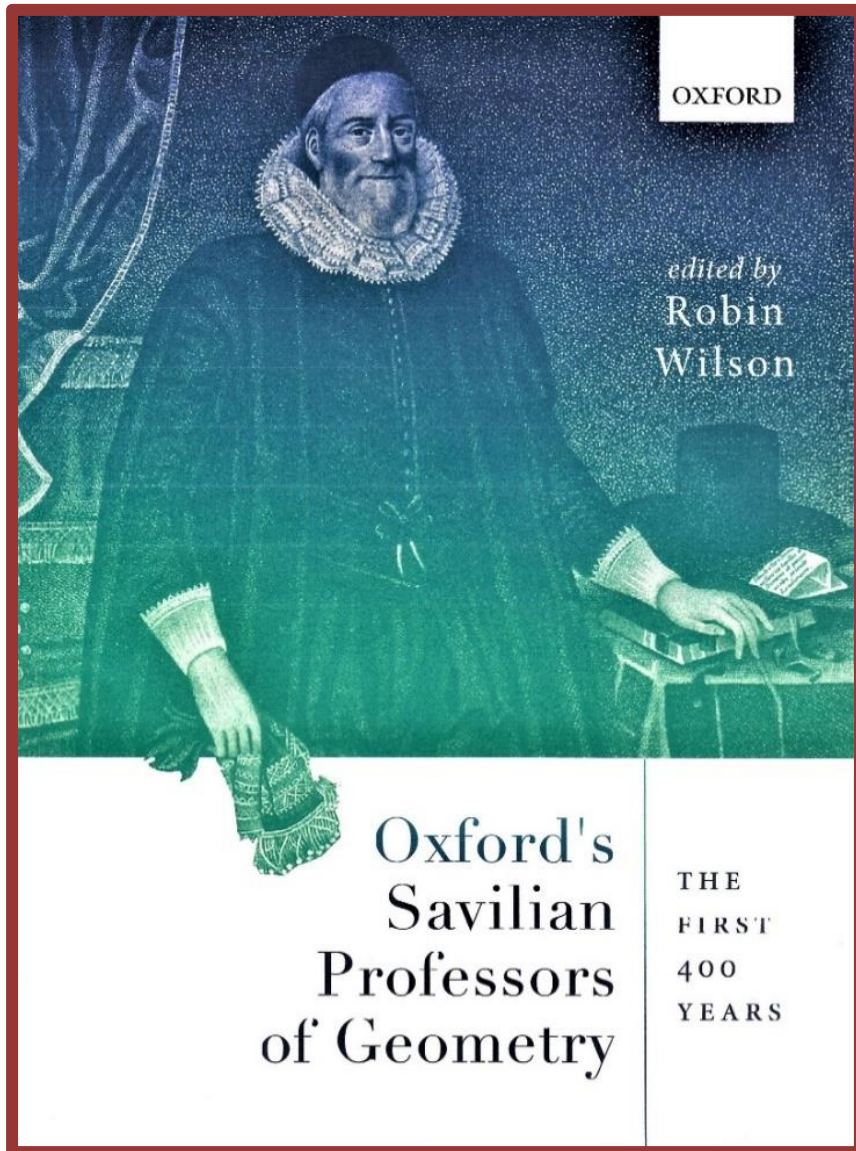
OXFORD

OXFORD  
*Eight  
Centuries  
of the  
Mathematical  
Sciences*  
FIGURES

SECOND EDITION

edited by John Fauvel,  
Raymond Flood, & Robin Wilson





**Oxford's Sedleian  
Professors of  
Natural Philosophy**  
(ed C. Hollings & M. McCartney)  
One-day meeting: Bodleian  
Library, 18 June 2022