



## £50 character selection

Since the Governor launched the character selection process for the £50 note on 2 November, we have received a total of 174,112 nominations. This is the list of eligible names that were nominated in the first week (covering the first 114,000 nominations). This is only the preliminary stage of identifying eligible names for consideration: at this first stage, a nomination has been deemed eligible simply if the character is real, deceased and has contributed to the field of science in the UK in any way. These names have not yet been considered by our Banknote Character Advisory Committee. We encourage the public to continue nominating characters until 14 December at [www.bankofengland.co.uk/thinkscience](http://www.bankofengland.co.uk/thinkscience). We will release the list of all eligible nominations once the window closes.

More details on the character selection process can be found here:

[www.bankofengland.co.uk/thinkscience](http://www.bankofengland.co.uk/thinkscience).

Abraham Darby	Anita Harding	Beatrice "Tilly" Shilling
Abraham Manie Adelstein	Ann Bishop	Beatrice de Cardi
Ada Lovelace	Ann McNeill	Beatrice Tinsley
Agnes Arber	Anna Atkin	Benjamin Huntsman
Alan Archibald Campbell-Swinton	Anna Bidder	Benjamin Thompson
Alan Arnold Griffiths	Anna Freud	Bernard Lovell
Alan Baker	Anna MacGillivray Macleod	Bernard Spilsbury
Alan Blumlein	Anne McLaren	Bertha Swirles
Alan F Mitchell	Anne Warner	Bertram Hopkinson
Alan Lloyd Hodgkin	Annie Lorrain Smith	Bertrand Russell
Alan Powell Goffe	Annie Maunder	Bill Frost Welsh
Alan Turing	Anthony Ledwith	Bill Penney
Alec Reeves	Archibald McIndoe	Bill Tutte
Alexander Fleming	Archibald Vivian Hill	Brian Marsden
Alexander Graham Bell	Archie Cochrane	Brian Pippard
Alexander Kellas	Archie Edmunston Roy	Brigitte Askonas
Alexander Parkes	Arnold Tustin	Brook Taylor
Alexander Todd	Arnold Wilkins	Bryan Donkin
Alexander William Williamson	Arthur Cayley	Bryan Kibble
Alfred Charles Bernard Lovell	Arthur Duncan Gardner	Caroline Haslett
Alfred Fowler	Arthur Eddington	Cecil Frank Powell
Alfred Russel Wallace	Arthur George Tansley	Cecilia Helena Payne-Gaposchkin
Alice Grace Cook	Arthur Hill Hassall	Cesar Milstein
Alice Lee	Arthur Holmes	Chaim Weizmann
Alice Stewart	Arthur Rowledge	Charles Alfred Coulson
Alice Vickery	Arthur Schuster	Charles Babbage
Alicia Boole Stott	Arthur Scott Lodge	Charles Barkla
Alister Hardy	Arthur Storer	Charles Bunn
Allen Coombs	Arthur Thomas Doodson	Charles David Marsden
Allen McClay	Aubrey Manning	Charles Eryl Wynn-Williams
Alliott Verdon Roe	Audrey Ursula Smith	Charles Fritz
Alma Howard	Augustus de Morgan	Charles Hawkes Todd
Ambrose Fleming	Austin Bradford Hill	Charles Henry Wordingham
Andreas Vesalius	Barbara Ansell	Charles Hesterman Merz
Andrew Crosse	Barbara Clayton	Charles Kuen Kao
Andrew Fielding Huxley	Barnes Neville Wallis	Charles Lyell



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Charles Mackintosh	Donald Winnicott	Ernest Rutherford
Charles Newton	Dorothea Bate	Ernest Starling
Charles Parsons	Dorothee Pullinger	Ernest Walton
Charles Percy Snow	Dorothy Donaldson Buchanan	Ernst Chain
Charles Rolls	Dorothy Garrod	Ethel Sargent
Charles Scott Sherrington	Dorothy Hodgkin	Etheldred Benett
Charles Sutherland Elton	Dorothy Needham	Eva Crane
Charles Thomson Rees Wilson	Dorothy Wyndlow Pattison	Evelyn Cheesman
Charles Vernon Boys	Douglas Scott Falconer	Evelyn Hickmans
Charles West	Ed Whittaker	Ferdinand Hurter
Charles Wheatstone	Edgar Codd	Florence Rees
Charles Wilson	Edith Humphrey	Frances Micklethwait
Charlotte Auerbach	Edith Louisa Cavell	Francis Bacon
Charlotte Scott	Edmond Halley	Francis Crick
Christopher Cockerell	Edmund Davy	Francis Darwin
Christopher Kelk Ingold	Edmund Wingate	Francis Galton
Christopher Marshall	Edward Adrian Wilson	Francis Pantridge
Christopher Zeeman	Edward Albert Sharpey-Schafer	Francis Thomas Bacon
Cicely Saunders	Edward Bullard	Francis William Aston
Clement Lindley Wragge	Edward Frank Harrison	Francis Williams
Colin Chapman	Edward Frankland	Frank Ashall
Colin Pillinger	Edward George Bowen	Frank Blackmore
Collin Maclaurin	Edward Jenner	Frank Buckland
Constance Naden	Edward Newton	Frank Fraser-Darling
Constance Tipper	Edward Penley Abraham	Frank Morton
Cyril Clarke	Edward Routh	Frank Pantridge
Daphne Jackson	Edward Stone	Frank Plumpton Ramsey
D'Arcy Wentworth Thompson	Edward Victor Appleton	Frank Whittle
David Arthur John Tyrrell	Edward Walter Maunder	Franz Arthur Friedrich Schuster
David Axon	Edwin Budding	Fred Hoyle
David Bohm	Edwin Chadwick	Frederick Donnan
David Broomhead	Eleanor Glanville	Frederick Sanger
David Brunt	Elenor Ormerod	Frederick Soddy
David Cuthbertson	Elias Ashmole	Frederick Sydney Dainton
David Hay	Elizabeth Alexander	Frederick William Herschel
David Hughes	Elizabeth Andrew Warren	Frederick William Lanchester
David Jack	Elizabeth Blackwell	Frederik Calland Williams
David Kelly	Elizabeth Carne	Geoffrey Dummer
David Lack	Elizabeth Casson	Geoffrey Ingram Taylor
David MacKay	Elizabeth Fulhame	Geoffrey Keynes
David Willis Wilson Henderson	Elizabeth Garrett Anderson	Geoffrey Sharman Dawes
Deborah Doniach	Elizabeth Press	Geoffrey Terence Roland Hill
Denise Barlow	Ellen Hutchins	Geoffrey Wilkinson
Dennis Babbage	Elsie Inglis	George Adamson
Dennis Gabor	Elsie Wakefield	George Alfred Hockham
Dennis Sciama	Elsie Widdowson	George Armstrong
Dietrich Kuchemann	Emily Dix	George Biddell Airy
Donald Bailey	Emmeline Jean Hanson	George Boole
Donald Broadbent	Emmy Klieneberger-Nobel	George Caley
Donald Devereux Woods	Erasmus Darwin	George Cayley
Donald Lynden-Bell	Eric Laithwaite	George Davis
Donald Michie	Ernest Geoffrey Cullwick	George Edward Pelham Box
Donald Watts Davies	Ernest Hives	George Eric Deacon Alcock



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George Frederick Ansell	Harry Witherby	Isis Pogson
George Gabriel Stokes	Heinrich (Henry) Oldenburg	Ivan Magill
George Garfield Hall	Heinz Siegfried Wolff	Jacob Bronowski
George Gray	Helen Beatrix Potter	Jagadish Chandra Bose
George Green	Helen Chambers	Jake MacMillan
George Massee	Helen Gwynne-Vaughan	James "Paraffin" Young
George Paget Thomson	Helen Megaw	James Alfred Ewing
George Porter	Helen Porter	James Barry
George Sarton	Henry Bessemer	James Black
George Simon Ohm	Henry Briggs	James Bradley
George Swann	Henry Brunner	James Brindley
George Taylor	Henry Cavendish	James Chadwick
George Thomas Beatson	Henry Clifton Sorby	James Clerk Maxwell
Georges Lemaitre	Henry Cort	James Croll
Georgios Nikolaou Papanikolaou	Henry Fox Talbot	James Dewar
Gerald Durrell	Henry Greathead	James Dunlop
Gerald Hawkins	Henry Hallett Dale	James Ellis
Gerald Scott	Henry Head	James Glaisher
Gerard McCartan	Henry Hunnings	James Hargreaves
Gertrude Elles	Henry Round	James Hutchison
Gertrude Entwisle	Henry Maudsley	James Hutton
Gerty Theresa Cori	Henry Mauldsley	James Drumm
Gideon Mantell	Henry Moseley	James Joseph Sylvester
Gilbert White	Henry Royce	James Joule
Godfrey Hardy	Henry Thomas Tizard	James Lind
Godfrey Hounsfield	Henry Trengrouse	James Martin
Goldsworthy Gurney	Henry Walter Bates	James McCune Smith
Gordon Hamilton Fairley	Henry Whitworth	James Murray
Gordon Stone	Herbert Charles Brown	James Napier
Gordon Welchman	Herbert Spencer	James Paget
Griffith Pugh	Hermann Bondi	James Parkinson
Gulielma Lister	Hertha Ayrton	James Prescott Joule
Gustav Kirchoff	Hiram Maxim	James Stagg
Guy Callendar	Honor Fell	James Thomas Bottomley
Hannah Billig	Horace Bentley	James Young Simpson
Hans Adolf Krebs	Howard Dalton	Jane Anne Plant
Hans Eysenck	Howard Florey	Jane Elizabeth Waterston
Hans Sloane	Hugh Davson	Jane Marcet
Harold Gillies	Hugh de Wardener	Jane Wardle
Harold Hopkins	Hugh Ford	Janet Lane-Claypon
Harold Jeffreys	Hugh Llewellyn Glyn Hughes	Janet Taylor
Harold Neville Vazeille Temperley	Hugh Miller	Janet Vaughan
Harold Ridley	Hugh Owen Thomas	Janet Watson
Harriette Chick	Humphrey Davy	Jean Purdy
Harry (Hal) Blackmore Whittington	Ian Heilbron	Jeremiah Horrocks
Harry Boot	Ida Freund	Jesse Ramsden
Harry Brearley	Ignaz Semmelweis	Jethro Tull
Harry Ferguson	Irene Manton	Jim Swan
Harry Hawker	Irving John Good	Joan Beauchamp Procter
Harry Kroto	Isaac Roberts	Joan Clarke
Harry Marshall Ward	Isabella Gordon	Joan Curran
Harry Melville	Isabella Muir	Joan Elisabeth Lowther Murray
Harry Ricardo	Isambard Kingdom Brunel	Joan Graeme Malleison



Joe Farman	John Vane	Lorna Wing
Johanna Weber	John Walker	Louis Essen
John Ambrose Fleming	John Wallis	Louis Harold Gray
John Anthony Pople	John Whitehurst	Louis Le Prince
John Bennet Lawes	John Wickham	Louis Seymour Bazett Leakey
John Bowlby	John (Iron Mad) Wilkinson	Louisa Aldrich-Blake
John Boyd Orr	John Wilkinson	Louise Johnson
John Busby	John William Strutt	Lucy Everest Boole
John Charnley	John Yudkin	Ludwig Guttman
John Clive Ward	Jonathan Hutchinson	Mabel Fitzgerald
John Cockcroft	Joseph Banks	Magnus Pyke
John Cornforth	Joseph Bazalgette	Margaret Cavandish
John Couch Adams	Joseph Black	Margaret Fairlie
John Crofton	Joseph Bramah	Margaret Gatty
John Dalton	Joseph Dalton Hooker	Margaret Law
John Dee	Joseph Farman	Margaret Lindsay Huggins
John Desmond Bernal	Joseph Larmor	Margaret Savigear
John Edyvean	Joseph Lister	Margaret Thatcher
John Eliot Howard	Joseph Locke	Margaret Turner-Warwick
John Flamsteed	Joseph Norman Lockyer	Maria Bitner-Glindzicz
John Fowler	Joseph Priestley	Maria Gordon
John Gatenby Bolton	Joseph Rotblat	Marianne North
John Goodricke	Joseph Swan	Marie Stopes
John Hadley	Joseph Thomson	Marion Gilchrist
John Haldane	Joseph Whitworth	Marion Ross
John Harrison	Joy Adamson	Marjory Stephenson
John Henry Poynting	Julia Bell	Martha Annie Whiteley
John Herschel	Julia Bodmer	Martin Ryle
John Horlock	Julia Polak	Mary Anning
John Hunter	Julian Huxley	Mary Adela Blagg
John James Richard Macleod	Julian Tudor-Hart	Mary Anderson Marshall
John Kendrew	June Almeida	Mary Ann Gilbert
John Lander Harper	Karen Spärck Jones	Mary Buckland
John Lennard-Jones	Katherine Jones	Mary Cartwright
John Locke	Katherine Lonsdale	Mary Douglas Leakey
John Logie Baird	Kathleen Carpenter	Mary Elizabeth Barber
John Maynard Smith	Kathleen Drew-Baker	Mary Fairfax Somerville
John Mercer	Kathleen Lonsdale	Mary Ferguson
John Milne	Keith Campbell	Mary Jane Seacole
John Murray	Keith Runcorn	Mary Kingsley
John Napier	Keith Simpson	Mary Lyon
John Quekett	Ken Seddon	Mary Mantell
John Rae	Lancelot Thomas Hogben	Mary Parke
John Randall	Laurence Dudley Stamp	Mary Ward
John Ray	Lawrence Bragg	Mary Wortley Montagu
John Ruskin	Letitia Chitty	Maurice Wilkes
John Sheperd- Barron	Lewis Fry Richardson	Maurice Wilkins
John Snow	Lez Fairbairn	Mavis Batey
John Stewart Bell	Lilian Bland	Max Perutz
John Stuart Garrow	Lilian Jane Gould	Melanie Klein
John Sulston	Lillian Pickford	Michael Gerzon
John Turton Randall	Lise Meitner	Michael Polanyi
John Tyndall	Lorna Casselton	Michael Scot



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Miles Joseph Berkeley	Reginald Joseph Mitchell	Samuel Earnshaw
Miranda Barry	Reginald Victor Jones	Samuel Tolansky
Miriam Louisa Rothschild	Richard Arkwright	Sandford Fleming
Monica Taylor	Richard Doll	Sarah Guppy
Muriel Robertso	Richard Laurence Millington Synge	Sebastian Ferranti
Muriel Wheldale Onslow	Richard Lower	Sheila Rodwell
Naomi Datta	Richard Mead	Sheila Sherlock
Nehemiah Grew	Richard Owen	Sheina Marshall
Nevill Francis Mott	Richard Roberts	Sidney Ringer
Nevill Maskeykyne	Richard Trevithick	Sidnie Manton
Nicholas Harold Lloyd Ridley	Rita Cornforth	Smithson Tennant
Nicholas Saunderson	Robert Alexander Watson-Watt	Solomon Zuckerman
Nicholas Shackleton	Robert Anderson	Sophia Jex-Blake
Nigel Gresley	Robert Angus Smith	Srinivasa Ramanujan
Noreen Elizabeth Murray	Robert Boyd	Stafford Beer
Norman George Heatley	Robert Boyle	Stanley Hooker
Norman Haworth	Robert Edmond Grant	Stephen Hawking
Norman Lockyer	Robert Edwards	Stuart John Bell
Olga Nikolaevna Uvarov	Robert Fitzroy	Sydney Camm
Oliver Heaviside	Robert Grosseteste	Sydney Chapman
Oliver Joseph Lodge	Robert Hanbury Brown	Sydney Selwyn
Oliver Rackham	Robert Hill	Sylvia Dorothy Lawler
Oliver Sacks	Robert Hooke	Szent-Györgyi Albert
Osborne Reynolds	Robert Koch	Tessa Laurie Holyoake
Patricia Clarke	Robert Liston	Thomas Addison
Patrick Blackett	Robert McCance	Thomas Archer Hirst
Patrick David Wall	Robert Recorde	Thomas Bayes
Patrick John Ruthven Phizackerley	Robert Reynolds Macintosh	Thomas Browne
Patrick Manson	Robert Robinson	Thomas Edward Thorpe
Patrick Moore	Robert Stirling	Thomas Fairchild
Patrick Steptoe	Robert Watson-Watt	Thomas Flowers
Paul Adrien Maurice	Robert Were Fox	Thomas Graham
Paul Dirac	Robin Milner	Thomas Hancock
Paul Fildes	Rodney Robert Porter	Thomas Harriot
Paul Younger	Roger Bacon	Thomas Hodgkin
Peter Brian Medawar	Roger Bannister	Thomas Hornsby
Peter Bright	Ronald Aylmer Fisher	Thomas Huxley
Peter Dennis Mitchell	Ronald David Laing	Thomas Lewis
Peter Mansfield	Ronald Ross	Thomas Newcomen
Peter Mitchell	Rosa Beddington	Thomas Stevenson
Peter Moore	Rosalind Franklin	Thomas Sydenham
Philippa Garrett Fawcett	Rosalind Pitt-Rivers	Thomas Wright
Philippe Rushton	Rosalinde Hurley	Thomas Young
Phyllis Kerridge	Rose Scott-Moncrieff	Tom Kibble
Phyllis Nicolson	Roy Chadwick	Tom Kilburn
Piers John Sellers	Roy Leonard Dommett	Valerie Hunter Gordon
Rachel Alcock	Rudy Kennedy	Vera Rubin
Rachel Workman MacRobert	Russell Alfred Wallace	Vicky Pope
Ralph Bagnold	Russell Coope	Victor Alexander Haden Horsley
Raymond George Gosling	Ruth Bowden	Victoria Drummond



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Walter Bentley	William Richard Shaboe Doll
Walter Hancock	William Robert Grove
Walter Morley Fletcher	William Roy
Walter Plowright	William Sealy Gosset
Walter Thomas James Morgan	William Shockley
Warren De La Rue	William Siemens
Wendy Atkin	William Smellie
William Harvey	William Smith
Wilfred Bion	William Speirs Bruce
William Henry Perkin Jr.	William Thomson
Will Coulson	William Vallence Douglas Hodge
Will Hay	William Walker
William 'Strata' Smith	William Walmsley
William Armstrong	William West
William Astbury	William Whewell
William Bateson	William Withering
William Bragg	Williamina Fleming
William Buckland	Winifred Brenchley
William Crabtree	Winifred Tutin
William Crookes	Winifred Watkins
William Cubit	
William Donald Hamilton	
William Eccles	
William Edward Petter	
William Friese-Greene	
William Froude	
William Gilbert	
William Gordon Welchman	
William Gregor	
William Grove	
William Grylls Adams	
William Hamilton	
William Harvey	
William Henry Perkin	
William Herschel	
William Hunter	
William Hyde Wollaston	
William Jenner	
William John Macquorn Rankine	
William Jones	
William Kingdon Clifford	
William Lassell	
William Leitch	
William Lyons	
William Marsden	
William Morgan	
William Murdoch	
William Nicholson	
William of Ockham	
William Penney	
William Price	
William Ramsay	