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Wellcome Collection 183 Euston Road London NW1 2BE UK T +44 (0)20 7611 8722 E library@wellcomecollection.org https://wellcomecollection.org LIST OF FELLOWS OF THE ROYAL SOCIETY WHO SENT RETURNS.

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John Aitken T.Clifford Allbut John Attfield Lord Avebury V A.W.Baird J G.Baker Robert S Ball V H.Brereton Baker A.B.Basset H.C.Bastian W.Bateson W.M.Bayliss John Beddoe Lionel S Beale Lowthian Bell W.H.Besant Shelford Bidwell W.T.Blanford V T.G.Bonney Si Charles Booth Videx R.M.Bosanquet V G.T.Bottomley Dietrich Brandis G.S.Brady John Brown E.W.Brown

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David Bruce

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T.Lauder Brunton

G.H.Bryan

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W.Burnside

J.T.Cash

C.Chree

Arthur H.Church

C.B.Clarke

G.Sydenham Clarke

John Cleland

J.Norman Collie

J.H.CotterillV

S.Monckton Copeman /

W.Crookes

D.D.Cunningham

D.J.Cunningham

G.H. Darwin. ? Index CR Darwin? Index Horace Darwin)

Lord Davey

W.Botd Dawkins

H.Debus

Edward Divers

A.M.W.Downing

3 Dupre Dyson William Ellis Elliot Z W.Esson John Evans J.D.Everett J.B.Farmers Joseph Fayrer H.J.H.Fenton Lazarus Fletcher E.R.Festing X G.Carey Foster Michael Forster Edward Fry

Sir Douglas Galton JS Gamble Archibald Garrod W.H.Gaskell James Geikie David Gill H.H.Godwin-Austin George Gore Sir John Gorst F.Gotch V Sir William Gowers Sir M.E.Grant-Duff f.3

Sir William Grove A. Gunther J.S.Haldane X W.D.Halliburton R.Harley S.F.Harmer W.N.Hartley Henry Head O.Heaviside ".B.Hemsley W.A.Herdman / W.M.Hicks S. J. Hickson W.P.Hiern Leonard Hill V G.J.Hinde Sir Joseph Hooker Locx Sir Victor Morsley 2000 S.S.Hough Sir William Huggins J.Hutchinson F.W.Hutton F.R.Japp J.Joly V J.W. Judd

Sir George King

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Sir John Kirk

A.B.Kempe V

E.Ray Lankester

J.Larmor

A.Sheridan Lea

Lord Lindley

Arthur Lister

Lord Lister

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Sir Oliver Lodge V

A Macalister

Frank McClean

Sir Francis McClintock V

W.C.McIntosh

J.McKendrick

A.Mallock

Sir Clements Markham hoco

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M.T.Masters

G.B.Mathews

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Sir Herbert Maxwell

H.B.Medlicott

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Louis C. Miall V

H.A.Miers V

6 John Milne Lloyd Morgan F. W.Mott Thomas Muir Sir George Nares F.H.Neville Alfred Newton V E.T.Newton K.H. mylis Palgrave Sader Karl Pearson Alexander Pedler W.Flinders Petrie V S.P.U.Pickering E.B.Poulton W.H.Power J.H. Poynting Sir William Preece T.Putdie P.H.Pye-Smith A.A.Rambault Sir William Ramsay V Arthur Ransome

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Lord Rayleigh V

Clement Reid /

Professo A.W.Rienold

J.Emerson Reynolds

7 Isaac Roberts Samuel Roberts Lord Justice Romer Sir Henry Roscoe V + Theme. R.Ross Sydney Ringer E.J.Routh V Arthur Rucker R.A.Sampson W.Samuelson Edward Saunders E.A.Schafer P.L.Sclater D.H. Scott V Robert H.Scott V Adam Sedgwick David Sharp W.A.Shenstone C.S.Sherrigton A. Smithells H.C.Sorby H.Sprengel E.H.Starling John E.Stead T.R.R.Stebbing X E.C.Stirling B.B.Stoney Sir Richard Strachey June .

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C.T.R.Wilson

f. 9

B.C.A.Windle V Henry Woodward H.B.Woodward A.Smith Woodward A.M.Worthington G.F.Yeo Sydney Young LIST OF FELLOWS OF THE ROYAL SOCIETY WHO SENT RETURNS. 110

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Sir William Gowers

Sir M.E.Grant-Duff

Sir William Grove

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O.Heaviside

W.B.Hemsley

W.A.Herdman

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Leonard Hill

G.J.Hinde

Sir Joseph Hooker

Sir Victor Horsley

S.S.Hough

Sir William Huggins

J.Hutchinson

F.W.Hutton

F.R. Japp

J.Joly

J.W.Judd

Sir George King

Sir John Kirk

F.M.

A.B.Kempe

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A. Sheridan Lea

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A.Mallock

Sir Clements Markham

John E. Marr

D.Orme Masson

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Sir Herbert Maxwe'l

H.B.Medlicott

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6 John Milne Lloyd Morgan F. W.Mott Thomas Muir Sir George Nares F.H.Neville Alfred Newton E. T. Newton Lord Northbrook Karl Pearson Alexander Pedler W. Plinders Petrie S.P.U.Pickering B.B. Poulton W.H. Power J.H. Poynting Sir William Preece T.Putdie P.H.Pye-Smith A.A.Rambault Sir William Ramsay Arthur Ransome Lord Rayleigh Clement Reid Professo A.W.Rienold J.Emerson Reynolds

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# Isaac Roberts Samuel Robert Lord Justice Romer Sir Henry Roscoe R.Ross Sydney Ringer E.J.Routh Arthur Rucker R.A. Sampson W.Samuelson Edward Saunders E.A.Schafer P.L.Sclater D.H. Scott Robert H. Scott Adam Sedgwick David Sharp W.A. Shenstone C.S. Sherrigton A. mithells H.C. Sorby H.Sorengel E.H. Starling John E.Stead T.R.R. Stebbing E.C.Stirling B.B. Stoney Sir Richard Strachey

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C.T.R.Wilson B.C.A.Windle Henry Woodward H.B.Woodward

A.Smith Woodward

A.M.Worthington

G.F.Yeo

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Sydney Young

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GALTON LOV PAPERS LOV A.Crum Brown

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Sir Joseph Hooker

Sir Victor Horsley

S.S.Hough

Sir William Huggins

J.Hutchinson

F.W.Hutton

F.R.Japp

J.Joly

J.W. Judd

Sir George King

5 Sir John Kirk A.B.Kempe E.Ray Lankester J.Larmor A.Sheridan Lea Lord Lindley Arthur Lister Lord Lister G.D. Diveing A.Liversidge Sir Oliver Lodge A Macalister Frank McClean Sir Francis McClintock W.C.McIntosh J.McKendrick A.Mallock Sir Clements Markham John E. Marr D.Orme Masson M. ".Masters G.B.Mathews Matthey Sir Herbert Maxwell H.B.Medlicott R.Meldoa Louis C. Miall H.A.Miers

F.23

John Milne

Lloyd Morgan

F. W.Mott

Thomas Muir

Sir George Nares

F.H.Neville

Alfred Newton

B.T.Newton '

Lord Northbrook

Karl Pearson

Alexander Pedler

W.Flinders Petrie

S.P.U.Pickering

E.B. Poulton

W.H.Power

J.H. Poynting

Sir William Preece

T.Putdie

P.H.Pye-Smith

A.A.Rambault

Sir William Ramsay

Arthur Ransome

Lord Rayleigh

Clement Reid

Professe A.W.Rienold

J.Emerson Reynolds

F.29

Isaac Roberts Samuel Roberts Lord Justice Romer Sir Henry Roscoe R.Ross Sydney Ringer E.J.Routh Arthur Rucker R.A. Sampson W.Samuelson Edward Saunders E.A. Schafer P.L.Sclater D.H. Scott Robert H.Scott Adam Sedgwick David Sharp W.A. Shenstone C.S.Sherrigton A. mithells H.C. Sorby H.Sprengel E.H. Starling John E.Stead T.R.R.Stebbing E.C.Stirling B.B.Stoney Sir Richard Strachey

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Sir John I. Thorneycroft

R.Threlfall

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F.T.Trouton

HH. Turner

E.B.Tylor

V.H.Veley

John Venn

S.H.Vines

James Walker

A.R.Wallace

R.Warington

Sir Charles Warren

W.Watson

W.F.R.Weldon

W.C.D.Whetham

W.Whitaker

A.Willey

- C.T.R.Wilson
- B.C.A.Windle

- Henry Woodward
- H.B.Woodward
- A.Smith Woodward
- A.M.Worthington
- G.F.Yeo
- Sydney Young

F.27

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## ABILITY IN FAMILIES.

By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

The object of the inquiry is to ascertain the frequency with which Ability, as indicated by High Success, is distributed among the members of a family; how far it is sporadic and how far it seems to be hereditary or else traditional. The replies will add to our knowledge of some of the main causes of evolution : one of these is the coefficient of mental heredity, another the inclination or otherwise of persons to mate with their like or unlike, another the fertility of the mentally exceptional in various degrees, including their tendency to be celibate, or to marry early or late.

The information asked for is wholly honourable to the person addressed and to his family. It is limited to facts that have already appeared in print, though often only in newspapers. Though well known to the person addressed or to members of his family, they could not be found by a stranger without laborious search.

Nomenclature of Kinship.—Kinships in the first degree are expressed, as explained at the head of the schedule, by single syllables easy to pronounce, consisting chiefly of a consonant and a vowel. By this means such vague terms, as first cousin, are replaced by brief titles with precise meanings. The syllable me is used for mother, as mo runs too closely with bro and so, and ma with fa and da. The French and the Greek words for mother justify the e. The alternative forms of so and son enable the latter to be employed at the end of a phrase, where it is more euphonious. Some of the combinations may have a somewhat childish ring, but none are vulgar or grotesque. The value of this brief and exact method of description becomes greater as the kinship becomes more remote.

Noteworthiness.—" Noteworthy " successes are those in any vocation whatever, that in the opinion of the compiler are of a rank not inferior to that which the Fellowship of the Royal Society holds among men of science. The weight ultimately to be assigned to each recorded success must be entrusted to those who will statistically discuss the replies. Minor achievements of persons who are still too young to have achieved any "noteworthy" success deserve record.

As women can rarely display their full abilities, it is necessary to take into account the hereditary significance of the successes of the brothers (and sisters) of all female ancestors. Inquiry is therefore made as to "noteworthiness" in these. To secure equality in statistical treatment, the same course is adopted in respect to the male ancestors also.

For want of space, the forms for the four kinds of great uncle are omitted, namely, fa fa bro, fa me bro, me fa bro, me me bro. Similarly as to the great aunts. If any of these should be noteworthy their names may be entered in the third column, preceded by their proper titles. So may grandchildren. Eminent kinsfolk in still more distant degrees can be added in the like way, if thought desirable by the compiler. The noteworthy names should be written successively in the third column in any convenient order. There will be ample space to hold them all.

The number of kinsfolk in each degree who survived childhood is wanted as a clue to the intensity with which ability (as indicated by success) characterises each family.

A separate paragraph on fresh paper should contain the noteworthy facts relating to each person whose name appears in the last column of the schedule. These paragraphs should be written consecutively, and the heading of each should consist of the Register number, the Title, and the full Name of the person to whom it refers, transcribed word for word from the last column of the schedule. Each paragraph should be as brief as may suffice to give a just idea both of the quality and of the grade of ability in the person referred to. Thus the mention of a high success in one branch will render those of minor ones in the same branch unnecessary, on the principle that the greater includes the less. But if the record of any minor achievements testifies to success in different pursuits and therefore to the possession of general ability, they should be included. Also such as may testify to precocity, to slow development, or else to persistence of effort.

The following imperfect list of successes may possibly be useful in suggesting what might otherwise have been overlooked.

Youth.—All high competitive successes at school, college, or elsewhere, such as the greater exhibitions, scholarships, fellowships, foremost places in University Class lists, or in examinations for appointments of any kind. Only two or three of the more important of these need be given. The captainship of a notable athletic team may deserve record.

Manhood.—High and honourable appointments in any profession, excluding those reached by mere seniority or through social position. Political distinctions. Commercial success in establishing or managing large businesses is usually a sign of exceptional ability.

Authorship of valuable memoirs, books, inventions, &c.

Awards of titles, medals, honorary degrees, &c.

Biographical Notices in standard publications.

By accepting the mere title of F.R.S. as a noteworthy distinction, a body of nearly 500 men is at once determined, to whom these circulars will be sent in the first instance. The Fellows of the Royal Society are, as a class, more likely to be interested in this inquiry than others, their answers are sure to be brief and appropriate, and they are eminently qualified to offer useful suggestions. Such suggestions would be warmly welcomed as the scope of the inquiry will probably be hereafter extended. Moreover, the Fellows of the Royal Society are linked by frequent co-operation and mutual acquaintanceship, which renders it comparatively easy to obtain supplementary information when wanted.

Please address the completed results thus, not omitting a large and very legible S in brackets, in the bottom left-hand corner :

FRANCIS GALTON. 42 Rutland Gate, (S) LONDON, S.W.

John aithen arbuilte Falkirk John aitken is the 4" Son of the lake Newry aithen, Darroch, Falkirk. Educated at the Falkirk Sramman School and the Glasgow Unworsity, Served his apprenticeship as marine Engineer in R. hapier Hours Works, Glasgows, His health failed on the completion of his apprenticeships and he afterwards Swoted turnself to the study of physical Science, He has communicated to Afferent Societies papers on mechanical Subyrets, Colour, Den, Durt, Ve and invented a number of instruments used for investigating these subjects, He has received the Keith medal and the Sunning Victoria Subile Prize from the Royal Soary Eduburgh, and other midals, He was electro Fellow of the Royal Society Lowon In 1889 and make LL D. of Glasque University in 1902, Amusements, Salmon and Trout fishing, michanical arts, Sandaning

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Ry: Little 3 me fa James Russel Lamus Russel started and encentfully Carried on large collieries and from Smelting works Ref Little y fa bro Samer Walker aitken Fames W aithen was a enccessful Students in the Science department in the Glasgow Aniversity where he obtamo prizes, the died early Reg! Little James Walker da me bro Same walker was a encentful Eugineer. London, He was engineer to the Thanks Conservators, The River Type Communion. The Clyde Tructers, Trinity House, The admiralty. the designed Dover Harbour, alberney, and Granton. Finishid Ply mouth Harbour, and the Caledonian Canal, He was for 11 years President of the Surt of God Engineers tete

Reg. Little fame unche Ralph Walker

Ralph Walker published in 1795 "The bariations of the Compass" the etandard work on the subject at the time, A designed and carried out the construction of the East and West India Docks, Loudon, He was consulting engineer to the Trinity House, for Dover and other harbours, He also invented a number of Things, amongs Thurs Crushing mills for Sugar Came, Swing -Bridges te



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## Proferror Y. blifford allbutt, YRS. 'NOTEWORTHY KINSFOLK OF

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("WHO'S WHO" contains all that is wanted concerning yourself.)

\*\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

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Signature and Address of the Sender

#### ABILITY IN FAMILIES. By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

THE object of the inquiry is to ascertain the frequency with which Ability, as indicated by High Success, is distributed among the members of a family; how far it is sporadic and how far it seems to be hereditary or else traditional. The replies will add to our knowledge of some of the main causes of evolution : one of these is the coefficient of mental heredity, another the inclination or otherwise of persons to mate with their like or unlike, another the fertility of the mentally exceptional

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Nomenclature of Kinship.—Kinships in the first degree are expressed, as explained at the head of the schedule, by single syllables easy to pronounce, consisting chiefly of a consonant and a vowel. By this means such vague terms, as first cousin, are replaced by brief titles with precise meanings. The syllable me is used for mother, as moruns too closely with bro and so, and ma with fa and da. The French and the Greek words for mother justify the e. The alternative forms of so and son enable the latter to be employed at the end of a phrase, where it is more euphonious. Some of the combinations may have a somewhat childish ring, but none are vulgar or grotesque. The value of this brief and exact method of description becomes greater as the kinship becomes more remote.

Noteworthiness.—" Noteworthy " successes are those in any vocation whatever, that in the opinion of the compiler are of a rank not inferior to that which the Fellowship of the Royal Society holds among men of science. The weight ultimately to be assigned to each recorded success must be entrusted to those who will statistically discuss the replies. Minor achievements of persons who are still too young to have achieved any "noteworthy" success deserve record.

As women can rarely display their full abilities, it is necessary to take into account the hereditary significance of the successes of the brothers (and sisters) of all female ancestors. Inquiry is therefore made as to "noteworthiness" in these. To secure equality in statistical treatment, the same course is adopted in respect to the male ancestors also.

For want of space, the forms for the four kinds of great uncle are omitted, namely, fa fa bro, fa me bro, me fa bro, me me bro. Similarly as to the great aunts. If any of these should be noteworthy their names may be entered in the third column, preceded by their proper titles. So may grandchildren. Eminent kinsfolk in still more distant degrees can be added in the like way, if thought desirable by the compiler. The noteworthy names should be written successively in the third column in any convenient order. There will be ample space to hold them all.

The number of kinsfolk in each degree who survived childhood is wanted as a clue to the intensity with which ability (as indicated by success) characterises each family.

A separate paragraph on fresh paper should contain the noteworthy facts relating to each person whose name appears in the last column of the schedule. These paragraphs should be written consecutively, and the heading of each should consist of the Register number, the Title, and the full Name of the person to whom it refers, transcribed word for word from the last column of the schedule. Each paragraph should be as brief as may suffice to give a just idea both of the quality and of the grade of ability in the person referred to. Thus the mention of a high success in one branch will render those of minor ones in the same branch unnecessary, on the principle that the greater includes the less. But if the record of any minor achievements testifies to success in different pursuits and therefore to the possession of general ability, they should be included. Also such as may testify to precocity, to slow development, or else to persistence of effort.

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FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W.

# Noteworthy Kinsfolk OF D' John attfield JRS.

("WHO'S WHO" contains all that is wanted concerning yourself.)

\*\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

Common terms of kinship.		Exact kinship briefly phrased.		l. who		Initials of the noteworthy.		Exact kin briefly phr		used. w		Initials of the noteworthy.	Regr.	Title.	Full names of those whose initials appear in the preceding column.
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t pu	Daughters .	30(2)	da(2)		335.7	2.54			-		da(2) Hu si	1.000			

Signature and Address of the Sender John Attfield, Watford, Herts, It. May, 1904.

f. 8r

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FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W. Erav

#### 15,LOMBARD STREET,E.C.

1 June 1504

My dear Salta

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Lord aubruy f.10 Grandfather. Sin John Aubbock A leading Banker Goo. J the Royal Dechange and Co. Lather - Si John William Lubbock mathematician & astronomer Vice Tres. a Treas. Royal Soc. One of the 4 Ireas. of the great Schib. of 1851. Royal Society medallist Seputy foremor of the Royal Inchange. Seven. Noree in Ston criteet eleven Dwo "both 6 2 11 - Interin - myrgen alse Si Neville Governor & Royal Brohange Acs. Co. KCM.C. Brothers K.C.M.C Alfred - autror of West Indian C." Alfred - autror of "Memories of Stor & Storians" Edger - Bold medallist Law Scholer & Ulumung Basil "Andre family " hound the Horn before the trast" Control of "hound the Horn before the trast" hephews Guy - Capt Royal Ingueers Percy - Sevetal articles in may. H. R. author of several novels. C.M. B. "Side lights on Bible History" Daughters G.L. "Some loor-Law Question

#### [ b. 1054 ) Cr. barn Avelon 1510

Rt.Hon.Sir John Lubbock, Irst baron Avebury, (b. 1834) P.C., D.C.L., LL.D., F.R.S., Banker , head of Robarts, Lubbook & Co. well known for the part he has taken in public affairs. in gin g Hours & as a scientist; has been a member of many Royal Commissions . & president of many Leaned- learned societies.author of over IOO memoirs in the Transactions of the Royal Society & of numerous other scientific & popular scientific works; (Who's Who & Eucye. Britt) fa fa Sir John Lubbock, a leading banker & governor of the Royal Exchange Assurance company. fa Sir John William Lubbock. (1803-1865) F.R.S.; astronomer & mathematician; treasurer & vice-prosident of the Royal Soc .: first vice-chancellor of the London University; deputy Ass. Corp governor of Royal Exchange. (Dict.N.Biog.) bro Sir Nevile Lubbock. K.C. M.G., chairman West India Committee Governor of the "Royal Exchange Ass.Corp.": chaiman of New Colonial Co.; etc. (Who's Who) bro Edgar Lubbock , LL.B., director of the Bank of England;

law scholar at University of London; passed first & got Clifford's Inn prize in Law Soc. exam. (Who's Who)

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For Su. G.a. Que Son. aut.

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## "NOTEWORTHY KINSFOLK OF The Ar Hon, Lord avebury, out the ("WHO'S WHO" contains all that is wanted concerning yourself.)

F.12r

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f.11 1. Ja. Fa. Fa Charles Baird The first person to introduce machinery with the Woolen manufactures in the horth of Scotland : about the year 1789 he bright from England at considerable expense two Caroling Engines, + four Spinning Sennies terter Sa Kanadip annals of abardeen Vol 11 page 202 Charles Bacid was also a Captain in the Royal abordeen dight Infantry in 1801 . The Cup in raised when the French citazion was fearch. 2 Fa. me. si. sa. GALTON C 2414230 Sir John Hay K.C. M. G. Banker. Sydney. australia Was Prime minister of hew South Wales, & Served times Speaker of the Legislation assembly. + a distinguished australian Statesman. die about 15 years apr. 29. 50 Captain Purcy Thomas Charles Baird, of the Queen's Dan Coman Highlanders. Passed out of the Military College Sundhaust with Honoress Bring Serier Lientmant of the 2nd Ball of the Regt. when the first Colour une presented to it by H. h. Queen Victoria at Balmoral in 1898, he received the Aucen, Colore from the majerty.

29.50. Licutanant Harry Beauchamp Douglas Baird of the 12th Bengel Cavalry Exhibitioner et Clifton College . Passed high on the list at the Competition Examination for entrance to the Military College Sandhurst, + to got wit the Indian Staff Corp Was on actin Lavie in the Tirch Campaign 1897 + in many ingrapements in the hard fighting in the Bara Valley - Medal + 2 clasps

LIV

31. Wi Bro

Professor Alexander Dyce Davidson . Mr. D. F.R.S. S; Ken War for Serend years Professor of Insteine Andreas with University of Aberduen, + at the time of his appointment user I betien the groungest Regins Rofeson in Scotland We use very distinguished as a hubited Student, + got his Deque of Mr. A. I think when he was 16, The herself for his to init till be war of age to be "capped". The was cellented to wait till be war of age to be "capped". The was cellented as an Sculist Sengeon + wort auticle as the subject to Freign as an Sculist Sengeon + wort auticle as the subject to the top of the line brunder. He worganized the hertical between 16 years of . The Journ of Alexander Arise formed. 32. Wie ho.

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## NOTEWORTHY KINSFOLK OF Colonel a. W. Baird, C.S.I., FR.

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Please address the completed results thus, not omitting a large and very legible S in brackets, in the bottom left-hand corner :

FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W.

Robert Baker, m. D (Edina) for 17 years ouperinten dand of the Friends Rohe at Jok, the loomatic asylum where the humane system of treatment was first tried In mgland, Edmund Siller Baker Pereira medallist, Pharma antical Society . Non by competitive examination, place as assistant in the haberal History museron, South Kensington Depart. ment of Berlamy) JG Baker

#### NOTEWORTHY KINSFOLK OF Baker Esq. J.R.S. J. G. GALTON ("WHO'S WHO" contains all that is wanted concerning yourself.) \*\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN. $\delta ro = brother$ ; da = daughter; fa = father; Hu = husband; me = mother; si = sister; so or son = son; Wi = wife. fa bro son means "MY father's brother's son IS"; me da means "MY mother's daughter IS"; so Wi bro means "MY son's wife's brother IS"; &c. Exact kinship briefly phrased. No. who sur vived child-Exact kinship briefly phrased. No. who sur vived child-hood. Full names of those whose initials appear in the preceding column. Initials of the noteworthy. Initials of the noteworthy. Common term of kinship. Regr. Title. Title. Title. Regr. Regr. hood. Grandfather . fa fa 3 me fa 1 Grandmother fa me 2 4 me me Father . . . 5 fa Mother . . . 6 me \_ 4019 Uncles . . . fa bro me bro 9 7 me si fa si 8 10 Aunts . . . A.B. Robert Baker bro Brothers . . 11 Sisters . . . si 12 4 0 Half-brothers 13 fa son 15 me son Half-sisters 14 fa da 16 me da 8 Nephews . . bro son si son 17 19 si da Nieces . . . 18 bro da G 20 First cousins . fa bro son 23 me bro so 21 Male . . me si son fa si son 24 22 First cousins . 27 me bro da 25 fa bro da Female . 3 28 me si da 26 fa si da Wife's brothers and sisters. Maiden name of their mother, your wife. Vear of her marriage. Initials who su Regr. Title. vived childof the note-worthy. Initials of the Titles. noteworthy. Edmund Gilbert Baker 1866 89 Unthank 1 so Wi bro marriage. Sons . 29 so Wi si da Hu bro Daughters 30 da da Hu si so(2) Wi bro marriage 29(2) 50(2) Sons . . so(2) Wi si da(2) Hu bro Daughters . 30(2) da(2) puz da(2) Hu si Signature and Address of the Senger Iber Saker John Filber Baker Gumbaland Von, Kew

By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

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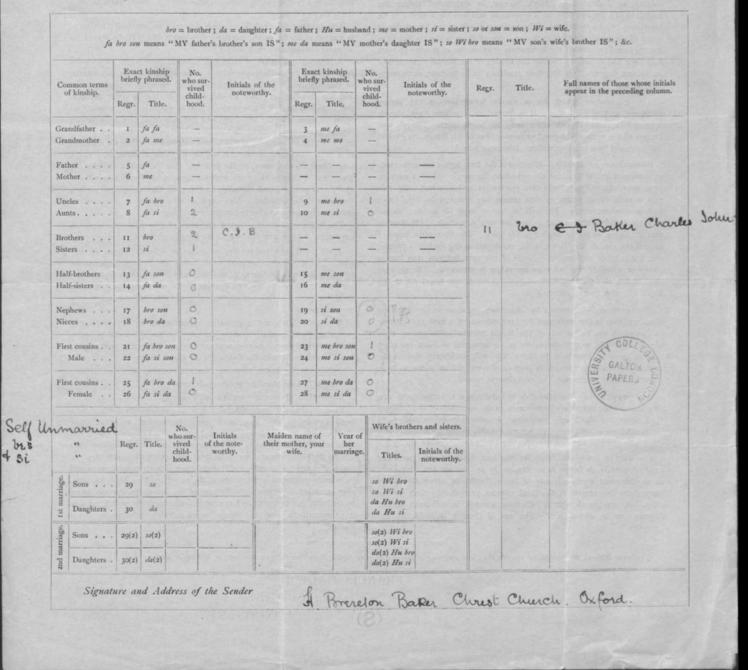
Please address the completed results thus, not omitting a large and very legible S in brackets, in the bottom left-hand corner :

FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W.

## NOTEWORTHY KINSFOLK OF H. Brereton Baker, Eg. HRA.

("WHO'S WHO" contains all that is wanted concerning yourself.)

\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.



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# NOTEWORTHY KINSFOLK OF Sir Robert S. Ball, YM.

("WHO'S WHO" contains all that is wanted concerning yourself.)

5.60

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Common of kinst		Exact kinship briefly phrased.		who sur	Initial	s of the worthy.		et kins y phra	used. w	No. ho sur- vived		ials of the teworthy.	Regr.	Title.	Full names of those whose initials appear in the preceding column.
of kinst	mp	Regr.	Title.	child- hood.	note	worthy.	Regr.	Ti		child- hood,	no	teworthy.			Self- and the self
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FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W.

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23 me ho Son

ames Hellicar is the successful manager of the leading bank in Lyddrey NSW. GALTON PAPERS Sir Robert Stawell Ball, (D.1840) LL.D., F.R.S., Lowndean prof. Fellow & Kinpfolly Cambridge of Astronomy & Geometry, Cambridge observatory since 1892; Royal Astronomer of Ireland, 1874-92; ex-president of Royal Astronomical Soc., Mathematical Ass., & of Royal Zoological Soc. of Ireland; author of many works on astronomical, mathematical, & physical subjects. [Who's Who]

into

fa Robert Ball, (1802-1857) distinguished naturalist; president of Geological Soc. of Ireland, director of Trinity Coll. Museum, 1844; hon. LL.D. Trinity Coll. [Dict. N. Biog.] bro Valentine Ball, (1843-1895) LL.D., C.B., F.R.S., Director & organizer of National Museum Dublin, 1882-1895; on staff of Geological Survey of India, 1864-1880; prof. of Geology & in two murants of Mineralogy, Dublin, 1880-3; author of "Jungle Life in India" of an elaborate treatise on the economic Geology of India, & of "Diamonds & Gold of India" (Obit. Notice, P.R.S., 1895) bro Sir Charles Bent Ball, Regius professor of Surgery, Univ. of Dublin; M.D., M.Ch., F.R.C.S.I., Hon. F.R.C.S., England; surgeon to Sir Patrick Bang/s Hospital & hon. Surgeon to the King in Ireland; author of various surgical works. [Who's Who] me bro son Ames Hellicar, the successful manager of the leading bank in Sydney, N.S.W.

GALTON CARRICOONA, titution BRAY, 29 BRAY, Co.Wicklow. PAPERS Mh 24/14 Myden hi the Sulmi has her to long delaged. It was put with when Inn hing i mohnd. I kan my Inthe of the standed of when the Briting baltin an entille in

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heg ymnger until also entille in philantipie circles for the linfunder 2 a ving large Cherilike hubitution i the author of human of the licit have n Child her a la Stali. Ing Sauce ung timbling In with all this Jour milli July W.7. Darret h' Frallin A.J. St

# NOTEWORTHY KINSFOLK OF Prog. W. F. Barnett Fed.

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("WHO'S WHO" contains all that is wanted concerning yourself.)

\*\*\* Write at first faintly in pencil; correct leisurely in concert with members of your family: when satisfied, ink in.

Common terms of-kinship,	briefly	t kinship y phrased.	No. who sur- vived child-	Initials		brief	ct kinship ly phrased.	No. who sur- vived child-	Initials of the noteworthy.	Regr.	Title.	Full names of those whose initials appear in the preceding column.
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By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

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FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W.

ligr 11. Junge S. Barrett D.D. B.A. M. Ex Chairman 2 and Impregational times, Author I numerous theological hortes ES. Ihr Intermediate states, The Words on the Com Hymnel. Hm. litte 2 S.D. anfind Eg St. andrens aniv?. His difficult - & Say what is the glander 2 holiworthing . No. 5 fa. W. J. Bwelt my mil kunn is his dag as the author ? mi 7 la Enhist - popular untos m Sulvy : - of und religious boto. No. 12 si. Ron M. Barrit her also putitions some statistical a otter borkes & happen, & has recuired the award 7 the medal of the Mogal Statistical Sont I houden.







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## NOTEWORTHY KINSFOLK OF A. B. Bassel, Esq. S.M.

("WHO'S WHO" contains all that is wanted concerning yourself.)

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\*\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN.

Common terms of kinship.		Exact kinship briefly phrased.		No. who sur- vived	Initials of the noteworthy.			t kinship y phrased.	No. who sur- vived	100	tials of the	Regr.	Title.	Full names of those whose initials appear in the preceding column.
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Signature and Address of the Sender

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FRANCIS GALTON. 42 Rutland Gate, (S) LONDON, S.W.

84. Manchester Square. M.

29 Son (del: 30) Charles Drue Bashan

Inventor of an 1. Electroly lie Meter Co.)

2. A hencury Vapour Lawf (for the sale of which a Co. is how being formed)

to (. Bastiane

Ap. 28, 1904



f. 18

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FRANCIS GALTON. 42 Rutland Gate, (S) LONDON, S.W. 1.1.24

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2. trup W. Bateron

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#### ABILITY IN FAMILIES.

By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

The object of the inquiry is to ascertain the frequency with which Ability, as indicated by High Success, is distributed among the members of a family; how far it is sporadic and how far it seems to be hereditary or else traditional. The replies will add to our knowledge of some of the main causes of evolution : one of these is the coefficient of mental heredity, another the inclination or otherwise of persons to mate with their like or unlike, another the fertility of the mentally exceptional in various degrees, including their tendency to be celibate, or to marry early or late.

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Please address the completed results thus, not omitting a large and very legible S in brackets, in the bottom left-hand corner :

a canto has a chill

FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W.

# · NOTEWORTHY KINSFOLK OF D? W. M. Bayliss, FRS

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("WHO'S WHO" contains all that is wanted concerning yourself.)

\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

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FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W. 4.240

ST. CUTHBERT'S, WEST HEATH ROAD, 5. fa. HAMPSTEAD, N.W. Thoses Bayliss. In corguration with he bother (who restrict alle a time) he established I carried on the lays manufacturing Jusiven of Baylin, Jones & Baylin at Wolverhampton. Takind sim I inventions altrid to the machining for making railway fastening (bolts, muts etc). 21. fa blo son William Bayliss. Son of the above mentioned brother of my father. Has carried on the General Management of the business of Baylon, one & Baylis, which has consideredly Webro. Enver Henry Starling Ro he is 7. R.S. all particles mill be know to 91 Jaltin. Wilto.

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6 Kentinel Stra 26.6.04 Jean tu I repet that by father is not well enough to fill this form up, but there is nobody sey waterouty in his fahrichy - by heathers father (J. Alathiston MS) was weleworthy in many ways m. hul Rylin The Heale GALTON PAPERS

### ABILITY IN FAMILIES.

F.2.6V

(Inquiry by FRANCIS GALTON, D.C.L., Sc.D., F.R.S.)

A circular to the above effect was posted a few weeks ago to each Fellow of the Royal Society.

About one hundred replies have been received, and Mr. Galton returns sincere thanks to the writers of them. They possess considerable statistical value.

It would be a convenience if Fellows who have not yet replied would do so before the summer recess.

Two fresh copies of the circular are enclosed, of which *only one* need be returned.

> June, 1904. 42 RUTLAND GATE, S.W.

# NOTEWORTHY KINSFOLK OF D. Lionel Smith Beale, tres.

1

("WHO'S WHO" contains all that is wanted concerning yourself.)

6.275

\*\*\* Write at first faintly in fencil; correct leisurely in concert with members of your family: when satisfied, ink in.

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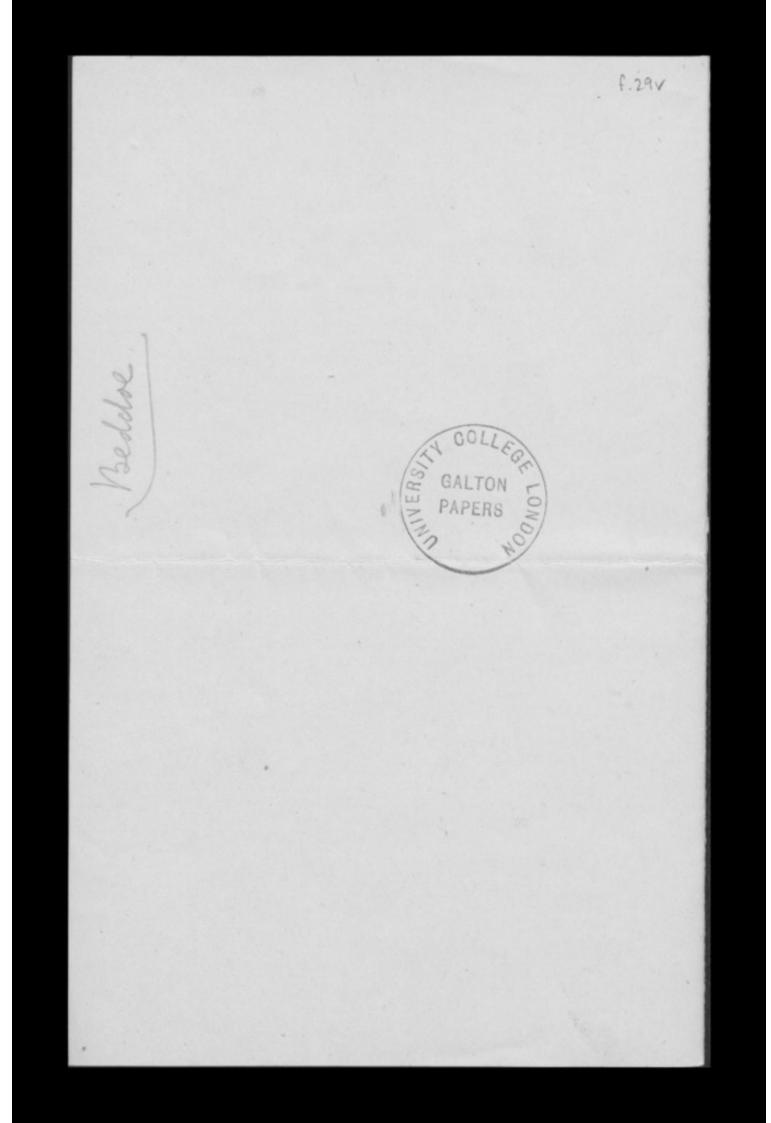
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FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W. 5.274

.280 The Chantry GALTON PAPERS Bradford on Gum May 6, 1904 In My falton I suly meaned your åranlar letter anent ability in Families, but I don't see that I can Do anything to help you No times nen kinsman of mine has even accom. plished anything of suffi. cient moment for your pur. pose, I think - The late Robert Etheridge was my consin, but a rather

Distant one - My Jather, mother, bothers (2) & sisters (4) & my son, were all, I should say, a little above the average either mentally or physically, & in most instances both mentally & physically; & I might put my daughter into the same category : but none of all these attained any remarkable Distinction, nothing beyond being hears of schools, & looked up to

by their fellows in after life . My infes family , (the Christians) of come include some wittinguished men to to maniage, I should say that in no case was there much if any resembline between the husband & nife, in person or in character ! rather they married their opposites, which accords with what I have gene. relly observed - Only my ancestors all the or grey. eyed your sincerely John Beddoc



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Common terms of kinship.		ct kinship y phrased.	No. who sur vived	Initials		Exa brief	rt kinship y phrased.	No. who sur- vived	TUR	tials of the teworthy.	Regr.	Title.	Full names of those whose initials appear in the preceding column.
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Half-brothers . Half-sisters	13 14	fa son fa da				15 16	me son me da						Phoebe Johno
Nephews Nieces	17 18	bro son bro da	70			19 20	si son si da	47		A COLLE	65 100	R	acadany Shide
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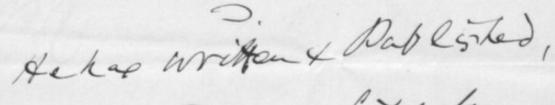
FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W. 1.30V



Spring Lawn, 4, Harbey Road, Cambridge.

11, bro,

Vir Walter Besand



Braks on Hench Liter Ame, on Histories and Surveys of

Parts of Lendong Levered bigraphies, and many novels.



F.31

### NOTEWORTHY KINSFOLK OF D. W.H. Besant, TRS.

("WHO'S WHO" contains all that is wanted concerning yourself.)

\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

Common terms of kinship.		et kinshi y phrase	d. who viv	sur- ed Initials	s of the vorthy.		ct kinship y phrased.	N who viv	sur- ed Ini	tials of the steworthy.	Regr.	Title.	Full names of those whose initials appear in the preceding column.
of Kursunk	Regr.	Title	. chil	Q-	toniny.	Regr.	Title.	chi ho	201-	Activity.	Print 1		
Grandfather Grandmother .	1 2	fa fa fa me				3 4	me fa -me me	1	AL 100000				
Father Mother	5 6	fa me	-				-	-	-	_			
Uncles Aunts	7 8	fa bro fa si	22			9 10	me bro me si	No.					
Brothers Sisters	11 12	bro si	53	W.	3.		1 1	1 stal	1.00		-		Sor Walter Besan
Half-brothers Half-sisters	13 14	fa son fa da	0			15 16	me son me da	0					· · · · ·
Nephews Nieces	17 18	bro so bro da	1	-		19 20	si son si da	1					
First cousins Male ,	21 22	fa bro fa si .				23 24	me bro son me si son	1000					GALTON E
First cousins Female	25 26	fa bro fa si i	Charles and the second			27 28	me bro da me si da	Constant,					PAPERS .
			No. who sur-	Initials	Maide	n name (	of Year		Wife's broth	ers and sisters.			
	Regr.	Title.	vived child- hood.	of the note- worthy.	their m	other, ye wife.			Titles.	Initials of the noteworthy.			
Sons	29	50	2				and a	- 10 B	so Wi bro so Wi si	Barry and			
Daughters .	30	da	1		1				la Hu bro da Hu si				
Sons Daughters .	29(2)	30(2)							o(2) Wi bro o(2) Wi si da(2) Hu bro				
and the second	30(2)	da(2)						1	da(2) Hu si				ed Can Fridge

The object of the inquiry is to ascertain the frequency with which Ability, as indicated by High Success, is distributed among the members of a family; how far it is sporadic and how far it seems to be hereditary or else traditional. The replies will add to our knowledge of some of the main causes of evolution : one of these is the coefficient of mental heredity, another the inclination or otherwise of persons to mate with their like or unlike, another the fertility of the mentally exceptional in various degrees, including their tendency to be celibate, or to marry early or late.

The information asked for is wholly honourable to the person addressed and to his family. It is limited to facts that have already appeared in print, though often only in newspapers. Though well known to the person addressed or to members of his family, they could not be found by a stranger without laborious search.

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Noteworthiness.—" Noteworthy " successes are those in any vocation whatever, that in the opinion of the compiler are of a rank not inferior to that which the Fellowship of the Royal Society holds among men of science. The weight ultimately to be assigned to each recorded success must be entrusted to those who will statistically discuss the replies. Minor achievements of persons who are still too young to have achieved any "noteworthy" success deserve record.

As women can rarely display their full abilities, it is necessary to take into account the hereditary significance of the successes of the brothers (and sisters) of all female ancestors. Inquiry is therefore made as to "noteworthiness" in these. To secure equality in statistical treatment, the same course is adopted in respect to the male ancestors also.

For want of space, the forms for the four kinds of great uncle are omitted, namely, *fa fa bro, fa me bro, me fa bro, me me bro.* Similarly as to the great aunts. If any of these should be noteworthy their names may be entered in the third column, preceded by their proper titles. So may grandchildren. Eminent kinsfolk in still more distant degrees can be added in the like way, if thought desirable by the compiler. The noteworthy names should be written successively in the third column in any convenient order. There will be ample space to hold them all. C. 32V

The number of kinsfolk in each degree who survived childhood is wanted as a clue to the intensity with which ability (as indicated by success) characterises each family.

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By accepting the mere title of F.R.S. as a noteworthy distinction, a body of nearly 500 men is at once determined, to whom these circulars will be sent in the first instance. The Fellows of the Royal Society are, as a class, more likely to be interested in this inquiry than others, their answers are sure to be brief and appropriate, and they are eminently qualified to offer useful suggestions. Such suggestions would be warmly welcomed as the scope of the inquiry will probably be hereafter excluded. Moreover, the Fellows of the Royal Society are linked by frequent co-operation and mutual acquaintanceship, which renders it comparatively easy to obtain supplementary information when wanted.

Please address the completed results thus, not omitting a large and very legible S in brackets, in the bottom left-hand corner :

FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W.

•

# NOTEWORTHY KINSFOLK OF D. W. S. S. Blanford, CIF. JPA.

.

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Common			Exact kinship briefly phrased.		o. sur-	Initials			ct kinship ly phrased	L w	No. ho sur- vived	Initials of the		Regr.	Title.	Full names of those whose initials
of kinsh	hip.	Regr.	Title	chi	ld-	notewo	rthy.	Regr.	Title.	0	child- hood,	no	teworthy.	bri		appear in the preceding column.
Grandfath Grandmot		1 2	fa fa fa me					3 4	me fa •me me		E.U.					
Father . Mother .		5 6	fa me			WB		1 1	1 1		14		-	5-	fa	William Blanford
Jncles . Aunts		7 8	fa bro fa si		0			9 10	me bro me si		54	<i>T.S</i> .	- A.S.	9	me bro	Thomas Bridge Simpson alfred Simpson
Brothers Sisters ,		11 12	bro si		3	H.E.B			1 1				<u> </u>	11	bro	Henry Francis Blanford
Ialf-broth Ialf-sister		13 14	fa son fa da		00			15 16	me son me da		0					
Nephews Nieces		17 18	bro son bro da	1	3			19 20	si son si da		0					· · · ·
First cousi Male	sins	21 22	fa bro . fa si s		0			23 24	me bro me si s	100	52	W.S	A.S.	23	me tro so	halter Simpson alped muller Simps.
First cousins Female		25 fa bro da 26 fa si da		2010	0			27 28		me bro da me si da						COLLED
				No. who sur-		Initials Maio		n name	of Ne	ar of	Wife's	fe's brothers and sisters.				GALTON CO
		Regr.	Title.	vived child- hood.		the note- vorthy.	their m	other, y wife.	our 1	ier riage.	Tit	les.	Initials of the noteworthy.			the second
	ghters .	29 30	30 da	2	H	.R.B	Joa Ge Ber	rtruc	le l	983	da Ha	i si mbro		29	So	Harry Richard Blanfor
2			so(2)								4(2)	Wi bro				

Signature and Address of the Sender

W.J. Blanford . 72 Bedford Gardens, London W.

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Please address the completed results thus, not omitting a large and very legible S in brackets, in the bottom left-hand corner :

FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W.

Nolcusating Kins falk of Dr W. J. Blandards

f. 33

5 - fa - William Blanford Established a small manufacturing leusiness in London, and was one of the founders and for many years ( lecturca 20 and 30) Chairman of the Directors of a large manufacturing business at Blackwale - the Thames Plate Glass Combany . 9 - me bro - Thomas Bridge Simbson For many years Chairman of the South metropolitan Gas for. 9 - me bro - alfred fimpson Established a large and successful manufacturing leusiness - now a joint stock company - in adelaide, South australia 11- bro - Henry Francis Blanford, F. R.S. For many years at the head of the Indian meteorological department, which he originally organised . 23 - me lero son - Walter Simbson member of legislative assembly, Sr. S. Wales 23. me trosan alped muller Simpson member of house of assembly, South australia 29 - So - Harry Richard Blanford first in competitive Examination for appointments in Indian Forest department 1902.

1-5/3

24/6/ 1904

William Thomas Blanford, (b.1832) C.I.E., LL.D., F.R.S., on staff of Geological Survey of India 1855-82; accompanied Abyssinian Expedition & Persian Boundary Commission; sometime president of Geological Soc. & of Asiatic Soc. of Bengal also of Geological section British Ass.; author of works dealing with the geology & zoology of Abyssinia, Persia, & India. [Who's Who]

fa William Blanford, established a manufacturing business in London, & was one of the founders of the Thames Plate Glass Co. & for many years chairman of the directors of that firm. me bro Alfred Simpson, established a large & successful manufacturing business in Adelaide, S. Australia.

bro Henry Francis <u>Blanford</u>. F.R.S., for many years at the head of the Indian Meteorological department, which he origi--ally organized.



Bonney f.35r . July 27 - 1904 COLLE 23, Denning Road, GALTON Hampstead, N.W. PAPERS Dear Dr Galta Than bee very dar E uplying to your enquiry abme notewnithy Kinsfolle for two narms - Re minor that for sme time far I han had my mind occupied with a forming piece of work, what has taken up manly he Time what a at myme desperal : he major that like he needy knip sunder story .- Than nome to lele you -

he lade I happe i me no for an interne your afflictu When find the cane - But as a second amind with a tamped envlope I have put dom he King little I have to say - the Jach is I come for an undertryusked nu. I hald say of my relation that, while he majorily han had where more than the average Thave of brains, no one has had an exceptional thave. They are The people sho, an a mela, han

drie her work a life och - bei Fruthed in their quincition ( ) and Acking 2 mg Jakai ride of what I know more I have not been quite first rate - Also some han been hande caffed by not volud. health and more, I think, & a certain want of push and scon of ref-adoutiment. On the mother's side I come from the small country gentleman; her Intrais / arming their me Cand, lucker father, a younger som, went into hismich i Manchester, and

made anot money to len, not Currounly he carely - None of their bare millectuce, but my mother was admirath to have parental ulations and he embodiment of food sease. I send he paper, but anyon der there is nothing really write und Your serg Truly TyBany A COLLE CALTON PAPERS

Memorandum FROM T. G. BONNEY, D.Sc., F.R.S., 23, Denning Road, London, N.W.

George Bonney was a Fillow of Jesus College Cambrid; he mus one 2 - family of nine, there of ahow died in upany Reg" 1. One of his hoken for Angustus was a little noted for his offention to the Kengs party, tenk: Storp III, and altained he destanction of being sent to be Tiwer, of chat, haven, seathing came. Two nephens of my grand akes ( the two sons ould a family of fin, on of when died in infancy ) were Archdeacon and me had bee a fellow of llave College, Cambridge. He vas a Sen" off, but a sound clanual scholar a vill -My Fatur had good abilities, but was handicapped & bad herete : he was one of seven, he groungest of when to die was, I have, about how left ince, on daughter desendants, but no special destruction hours . ×

£.37

· NOTEWORTHY KINSFOLK OF Infiner J.G. Banny 71

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1.385

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	nmon terms	Exact kinship briefly phrased.			Initials			ct kinship ly phrased.	wh		tials of the	Regr.	Title.	Full names of those whose initial appear in the preceding column.
0	f kinship.	Regr.	Title.	child- hood.	notew	orthy.	Regr.	Title.	c	hild- ood.	noteworthy.			
Grandfather Grandmother .		1 2	fa fa fa me	11	9.B	•	3 4	me fa •me me						George Bounce
	her	5 6	fa me	11			11	-	100		_			/
Uncles Aunts		7 8	fa bro fa si	?6	\$ \$ .		9 10	me bro me si						GALTON F
	thers ers	11 12	bro si					-	1000	-	_			PAPERS PAPERS
	f-brothers . f-sisters	13 14	fa son fa da				15 16	me son me da						
100	hews ces	17 18	bro son bro da				19 20	si son si da						
	t cousins Male	21 22	fa bro so fa si soi				23 24	me bro so me si so	C					
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			No. who sur- Initials Mai				n name	of Vea	rof	Wife's broth	ers and sisters.			
		Regr.	Regr. Title, vived of the		of the note- worthy.	ne note- their mot			r	Titles.	Initials of the noteworthy.			
Ist marriage.	Sons	29	3.0							so Wi bro Wi si				
	Daughters .	30	da							A. Huni				
marriage.	Sons Daughters .		so(2)							sp(2) Wi bro sp(2) Wi si aq(2) <del>Hu bro</del>				

### ABILITY IN FAMILIES. By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

The object of the inquiry is to ascertain the frequency with which Ability, as indicated by High Success, is distributed among the members of a family; how far it is sporadic and how far it seems to be hereditary or else traditional. The replies will add to our knowledge of some of the main causes of evolution : one of these is the coefficient of mental heredity, another the inclination or otherwise of persons to mate with their like or unlike, another the fertility of the mentally exceptional in various degrees, including their tendency to be celibate, or to marry early or late.

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FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W. noteworthy Kinsfolk of Charles Booth

1. fa fa. Thomas Booth - made his fortune as a successful marchant and ship ormer at Liverpool.

7. fa loo. Henry Booth - Co-opirated with Stephenson in the application of Steam to locomotion. The Tubular shape of boiler is Saia to have been his suggestion. He became Secretary successively of the Diverpose & Thranchester, The Grand Inaction & The Down & Arthe Western Rachergo.

7. fa. 600. James Booth C.B. Parliamentary araughtoman . Simplined upon Inish Sucumbered Istates act, and upon Standing orders for Railway lills. Decame Remanent Secretary to the Norace of Frade.

11. bro. Thomas Booth Scholar of Trin Coll Camb. & Wrangles died when 26.

17. bro. Sm. alfred allen Booth . Wrangles

24 me. Si. Sn. Charles Grompton 4th Wraugles Q.C. P for some years M.P. for the Leek division of stafford shire

24 me. Si. Son Henny Compton. a leader in the Positivist Community authority on Frades Unin Law & author of a Standard Work Sutitled "Industrial Checklation"

24. me. Sism Henry Sufield Roscoe Rut. FRS For For Oristing withen Chemist (Whose career I here not detail)

24 may 1904

## NOTEWORTHY KINSFOLK OF

("WHO'S WHO" contains all that is wanted concerning yourself.)

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au letter /

Charles Booth , Esq. FR.1.

6.400

Inda W

Commo		Exac	d. who	io. sur-	Initials of the		Exact kinship briefly phrased.			No. ho sur-	Initials of the		Regr.	Title.	Full names of those whose initials		
of kin	iship.	Regr.	Title.	chi	ild-	noteworthy.		Regr.			child- hood.	noteworthy.				appear in the preceding column.	
Grandfather . Grandmother		I 2	fa fa fa me			<b>J</b> .B .		3 4	me fa me m					1	fa.fa.	Thomas Booth	
		5	fa me		-			1 -		-	- - 4		=	7 7	fa.bro. fa.bro.	Henry Booth	
		7	fa bro fa si	4		HB	+JB	9		2012 B 10						James Booth	
Aunts .		0	Jan	-	2	70		10	me		4			11	600	Thomas Booth	
Brothers Sisters		11 12	bro si		22	J. 13	 - 15 16		1	-	=			17	low son	alfred allen Booth	
Half-bro		13 14	fa son fa da		0				me me	ALC: NOT	0					Charles Crompton	
Nephews Nicces	s 	17 18	bro son bro da	2.0	2 Q.a		2. /3 15 zc		si sa si d	on la	the the the		4			Honry Compton	
First cou Male		21 22	fa bro : fa si si	son d	4	٤	23 24		100.022	bro son si son	5	C.C., H.C. H.E.R.	, H.C.	24	me Si Sm	Henry Infila Roce	
First cou Fema		25 26	fa bro fa si a		3			27 28		bro da si da	34	- H. E.K.					
		Regr.	Title.	No. who sur- vived child- hood.	of	Initials the note- worthy.	their m	n name of other, your wife.		Year of her marriage.	of		brothers and sisters. Initials of the noteworthy.			GALTON LORUS	
Son	18	29	3.0			3	macaulay			1871	so Wi bro						
-	aghters .	30	da			3			v			u bro Tu si					
Son	s	29(2)	so(2)								50(2)	Wi bro Wi si Hu bro					
	ighters .	30(2)	da(2)				1.0		20		da(2) Hu br da(2) Hu si						

24 may 1904

# ABILITY IN FAMILIES.

By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

The object of the inquiry is to ascertain the frequency with which Ability, as indicated by High Success, is distributed among the members of a family; how far it is sporadic and how far it seems to be hereditary or else traditional. The replies will add to our knowledge of some of the main causes of evolution : one of these is the coefficient of mental heredity, another the inclination or otherwise of persons to mate with their like or unlike, another the fertility of the mentally exceptional in various degrees, including their tendency to be celibate, or to marry early or late.

The information asked for is wholly honourable to the person addressed and to his family. It is limited to facts that have already appeared in print, though often only in newspapers. Though well known to the person addressed or to members of his family, they could not be found by a stranger without laborious search.

Nonconclature of Kinship.—Kinships in the first degree are expressed, as explained at the head of the schedule, by single syllables easy to pronounce, consisting chiefly of a consonant and a vowel. By this means such vague terms, as first cousin, are replaced by brief titles with precise meanings. The syllable me is used for mother, as mo runs too closely with bro and so, and ma with fa and da. The French and the Greek words for mother justify the e. The alternative forms of so and som enable the latter to be employed at the end of a phrase, where it is more euphonious. Some of the combinations may have a somewhat childish ring, but none are vulgar or grotesque. The value of this brief and exact method of description becomes greater as the kinship becomes more remote.

Noteworthiness.—" Noteworthy " successes are those in any vocation whatever, that in the opinion of the compiler are of a rank not inferior to that which the Fellowship of the Royal Society holds among men of science. The weight ultimately to be assigned to each recorded success must be entrusted to those who will statistically discuss the replies. Minor achievements of persons who are still too young to have achieved any "noteworthy" success deserve record.

As women can rarely display their full abilities, it is necessary to take into account the hereditary significance of the successes of the brothers (and sisters) of all female ancestors. Inquiry is therefore made as to "noteworthiness" in these. To secure equality in statistical treatment, the same course is adopted in respect to the male ancestors also.

For want of space, the forms for the four kinds of great uncle are omitted, namely, *fa fa bro, fa me bro, me fa bro, me me bro.* Similarly as to the great aunts. If any of these should be noteworthy their names may be entered in the third column, preceded by their proper titles. So may grandchildren. Eminent kinsfolk in still more distant degrees can be added in the like way, if thought desirable by the compiler. The noteworthy names should be written successively in the third column in any convenient order. There will be ample space to hold them all.

The number of kinsfolk in each degree who survived childhood is wanted as a clue to the intensity with which ability (as indicated by success) characterises each family.

A separate paragraph on fresh paper should contain the noteworthy facts relating to each person whose name appears in the last column of the schedule. These paragraphs should be written consecutively, and the heading of each should consist of the Register number, the Title, and the full Name of the person to whom it refers, transcribed word for word from the last column of the schedule. Each paragraph should be as brief as may suffice to give a just idea both of the quality and of the grade of ability in the person referred to. Thus the mention of a high success in one branch will render those of minor ones in the same branch unnecessary, on the principle that the greater includes the less. But if the record of any minor achievements testifies to success in different pursuits and therefore to the possession of general ability, they should be included. Also such as may testify to precocity, to slow development, or else to persistence of effort.

The following imperfect list of successes may possibly be useful in suggesting what might otherwise have been overlooked.

Youth.—All high competitive successes at school, college, or elsewhere, such as the greater exhibitions, scholarships, fellowships, foremost places in University Class lists, or in examinations for appointments of any kind. Only two or three of the more important of these need be given. The captainship of a notable athletic team may deserve record.

Manhood.—High and honourable appointments in any profession, excluding those reached by mere seniority or through social position. Political distinctions. Commercial success in establishing or managing large businesses is usually a sign of exceptional ability.

Authorship of valuable memoirs, books, inventions, &c.

Awards of titles, medals, honorary degrees, &c.

Biographical Notices in standard publications.

By accepting the mere title of F.R.S. as a noteworthy distinction, a body of nearly 500 men is at once determined, to whom these circulars will be sent in the first instance. The Fellows of the Royal Society are, as a class, more likely to be interested in this inquiry than others, their answers are sure to be brief and appropriate, and they are eminently qualified to offer useful suggestions. Such suggestions would be warmly welcomed as the scope of the inquiry will probably be hereafter extended. Moreover, the Fellows of the Royal Society are linked by frequent co-operation and mutual acquaintanceship, which renders it comparatively easy to obtain supplementary information when wanted.

Please address the completed results thus, not omitting a large and very legible S in brackets, in the bottom left-hand corner :

FRANCIS GALTON. 42 RUTLAND GATE, (S) LONDON, S.W.

7 march 1900 f.41 I COLLEGE CASTILLO ZAMORA, GALTON PAPERS REALEJO ALTO, 2 E. Schucter by TENERIFE. Dear Si . It has recurred to me that the entry Thave queried night be unsleady. Thave us doubt that such witchlets as may be due to the carstence of Sundas & Wilson is due to the Sundas family, and not tany association with the macdonelly. I append short rate on thes branch of the Sundar family, so for as I can jet the facts out here. Ithink it would be right either to out the cuty, raffered some such use . Relph Suntas father, John Suntas, worked up the bacuces. I don't thank Ralph hunself, or his consen William Dundas, (son of g. Sundas, Low mann,) have done une than keep it up. 3 nos hul, R. K. ne. Bosangel

taundy of sundases of manon, with reference thalph Dundas, in the lest A. R. M. m. Branyuch ... Relph tundas; in hat. fa. John Sundas. Worked up the business of Dundas & Wilson into its present position. fa. fa. son. So Devid Dundes; solicitor ~ General, (?) (Ittuinte this was the office.) fa. fa. son. genje Dundes. Judge a Sected courts under title of Id. heaver. fa. fa. son. son. gavid Sundas zonngest son of george Drundas Id. Meanor. Has just been made a progen the Scotch courts, under the title food Jundes. fa. fa. Son. son. William Dundas; son A George Sundas, Lord Manon. Infirm of Dundas & Wilson. Perhaps hetter \_ george Sundas Id. mann had 5 sours & 4 dams. 13 sources frew up to manhood . Sin Savid, John, + G. Sundas Id. manon, were elderly men in the middle of last century . David must have been it Ballis about 1870 or later.

Papercherusth. F.43 Scherule Descriptions of the hoteworthy note on the Bosanguet family Private note accompanying particulars scallby request. Further particulars, by request. Printed Sist of Publications by R. H. m. Borangent, with me. S. completion, as far as copies can be found . R. H. m. Bosauguet. PAPERS

(See note on the Bosanquet family herewith .) PAPER PAPERS Sescriptions of REALEJO ALTO, the noteworthy. TENERIFE. fa. fa. fa. fa. bro. Benjamin Bosanquet M. D. F.R.S. V. 25 Sep. 1708 d. Unm. 22 Dec 1755. F. P. fa. fa. bro. Rt. Hon. Sirf. Bernard Bosauguet. Justice of Court of Common Pleas. Sometime Lord Commissioner of the great Seal . Prive louncillor. b. 2 may, 1773. 2 25 Sep. 18 4 7. F. P. 13. Ja. son. Charles Bestie Pulleine Bosauguet. 6. 27 Sec 1834 Etm. Balliol Oxford. Barrister Suches In. on going to Louton took up the question of the poor. Was one of the founders of the Charity organization Society, and was its first secretary for several years. The Society 11. bro. Bernard Bosauguet. man E. Can. 2 sons. 6 da. 6. 14 June 1848. Harrow, Ballot oxford. " class Sit. Hum. 16 Dec 1870. Fellow of University Coll. Oxford. For 10 years tutor of this. Collo preparing men for Lit. Hun. school. Resigned sellowship & went to London for C.O.S work & writing philosophical books. e.g. large treatise a logic. Unowledge & Reality. Philosophy of the state works on destricters. His philosophy much appreciated in Scotland. LLD of University J Glasgow, and of Surham. Professor of moral Philosophy standrews. (Please verify title of Prof. ship.) mar. Helen Dendy engaged in Similar work. S. p. [over ] Por law. Pol. Economy.

CASTILLO ZAMORA. REALEJO ALTO, TENERIFE.

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son . Charles Bentre 89

1. Sep. 18 4

Ralph Sundas. Head of the large and. 24. influential firm of Dundas + Wilson, Writers to the signet Edinburgh; who have in their hand the management of a large proportion of Scotch estates. me.si.sn me. fa. bro. Hay macdowell. Commander in chief of madras Presidency. d. 1806 me. fa. bro. David macdoroally Took part in many naval actions. Lost his hand in Rodriego action.

17 2 bros, son. Robert Carr Bosauquet. (son of tharks Bertie Pulline Bosanquet.) 6.7 June 1871. Here Time Elon. Foundation scholar. Truity Cambridge . Scholarship . 1t class Classical ripos. (Scharls ust available.) archreology. greek Vases. Director of British School of archaology at athens. Sincted man. da. of gr. Hodgkin. Historder of Italy I if on the Rom walt in South watthe baland, and Rebuickastin bate. Ebro da, amy Bosanguet 18 (da of Charles Bertie Pulleme Bosanguet.) b. 2.5 Sep. 1864. after course of huginstic study, inducting any to Saxon, which she learned with her father, went out as missionary to Japan under C.M. S. Has reat proficiency in and Japanese, now been out there many years. 18 2 bros. da. Rose Bosanguet. (da. of charles Bertie Pulleine Bosanguet.) date of birth art wondable, (1875?) obtained scholarship at Lady margaret Hall reford, and got a 1st class in the final schools for history. Is now acting as a Charity organization Society secretary in London bio. Day Hort Bosauguet. admiral R.N. 11. Has held important commands. Leak, command in chilf E India station. Conducted enquines for adminatty. Rein food Supply in time of War. mar. m. Butt. (1 san. 2 da.)

note on the Bosauguet family. 2001 CASTILLO ZAMORA, REALEJO ALTO, TENERIFE. The Bosanquet family all descend from Savid Bosauguet of Smel in France. & 31. oct 1661. Camet. Inda at the Revocation of the Edict of hantes. His descendants continued to hold the Hugueust opinions, and were strennously wangehical, and very earnest, both in matters of religion + commerce, mutil quite recent times . my fa. fa. Charles Bosauguet was a forominent men in the lif of Lowon in French war, and was colonel of the City of bourdon fight Horse Volunteers. But I do not know enough about him t enter have in the list. then there was the Branguet

CASTILLO ZAMORA. REALEJO ALTO. TENERIFE.

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\* one other case of deafness in family; fa. fa. bros. da. Georgiana of Bosanguet mar. Ihomas ogilog 16 apl. 1846 she was my father's first comin ; about his age; and was deaf in later life in a minor degree. When I know her, she could always hear with a trempet, to other case of deapness in facily.

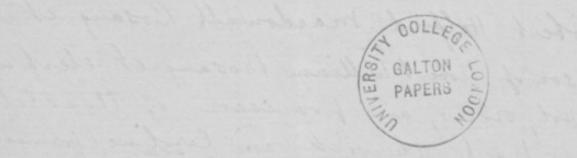
Bank, now merge in Alogs. I could find out about the right. But the later times are not note worthy. In my own branch of the family, While the religions characteristic concerness has not disappeared, in the fast half century in the fast half great and useful activity in social science & charity organisation. (my own position is quite distinct from all this. I send some particulars as requested; with a private wite, which I beg may be insidered. ) R. H. m. Bosanquet. note a Deafness in a family. 5 my fa Robert william Bosany uct Jabro. George Henry Bosanquet Who all lived fa si . mary ann Feilde 8 to an advanced ye, were all 3 what would be called stone deaf throughout then lives. They could have with trumpets up to a certain age. But my fa., Nea hired t 81, vas store deaf latterly " mother deafrees in family.

R. H. m. Boseny ret f. 98 GALTON CASTILLO ZAMORA, PAPERS REALEJO ALTO, TENERIFE. (Private note accompany of particulars scut by request. ) at the fort of p 2 of my particulus herewith, I mention that my position as an exponent of research at oxford became unter able. The reason of this was; - I had been persuaded by the mistaken kindness of friends to allow my name the Jul up as a candidate for the Rogal Society. years passed and I was with elected. The cause was frequently hought to my write by friends, and consisted in an intrigue by an influential peren at oxford. Finally the late Puf. Pritchard, with whom I was always on the best terms, told

me desten the that my name has been with drawn as a considerte. Jought, I know, to have gove to my proposer; but the shole thuy was so disagreeable to me that I determined to get out of it all. The excuse was amply sufficient that non election to the Royal Society disqualified me from presenting myself as an exponent of research. I may not have said so in so many words, bit that was what I Under these circumstances I desired to with draw from scientific convenions altogether, & carried out my desire. ) also, from causer partly mentioned in the particuless, have taken a from reachation never in fiture to prepare information which accompanies this will be regarded as private, R. H. m. Bosauguet.

R. K. m. Bosenquet F. R. S. F.C.S. F.R.A.S. Further particulars, by request. f.50r (See private REALEJO ALTO, where herewith, which Ibey TENERIFE. may be considered.) Robert Holford macdowall Bosanquet son of Robert William Bosanquet, clerk in Holy orders, and possessor of the estate of Rock, aluwick ;- and Caroline, (formerly) macdowall, his second wife. 6-30 July 1841. Eton. Ballid oxford. 1th classes in natural Science (chemistry) and mathematics. Read haw and called t the Bar (Lincohis Inc.) Health failing in fourton, returned to orfor as mathemetical Secturer at Ch. Ch. M 1868 at the request of Prof Bartholower Price. 1870 tellowship at S. John's College. mathematical Lecturer at S. Johns College for some years. at sygestime of H.J.S. Smith, who had been my teacher at Balliol, laid out scheme of research in acoustics, for which I was fitted by my musical knowledge . St Johns College assisted me with the use of a building and otherworse; the Royal Society

CASTILLO ZANORA. REALEJO ALTO. TENERIFE.



# as my results agreed in every case with the work of Helmholtz, and the attack on those positions took the form of an attack m Helmhitz, I might well have continued the controversy. But the worry incidental t controversy caused insormin and effected my health, in as the did the worries further alluted to . and I was obliged to abandon the discussion

groe me several grants at different times, and the building was fitted up with engues ; shafting , a lathe , and a good deal of appentus of a special character, & work was carried on there for some years, and a large muber of papers were publiched. The chief investigation, or beats of Consonances of the form h: 1, Thave always considered my most important work. It is the only existing investigation in which the nature of the sounds heard is examined in a practical way, and with apparetus for more suitable than any other that has been employed. Unifortunately however, the overs, and the importance of work failed to obtain recognition \* 1 dectromagnetic work was required; and the later work in the laboratory was cheefy devoted to this . Ultimately however, from causes Maded t in the private note, my

F.52 3 GALTON T PAPENS CASTILLO ZAMORA, REALEJO ALTO. TENERIFE. position as an exponent presearch became intenable. also my position with respect to various science questions had become extremely disagreeable t me; and, as an apportunity offered, for handing over my preparations and arrangements to an institution where they would be effectively used for Ancateoral purposes, I determined to leave oxford, and seven my Convierion with practical science. This I carried out they dection to the Royal Society came on me some two years later as a surprise. But, even of I had wished to So it, it was no longer possible for me to retra a my steps. In fact however the

£.534 pursuit of practical science, with its personalities and intrigues had become distasteful to me Since then I have kept up a certain amount of interest, chiefy in astronomy. But I have not been successful in obtaining , for my views. e.g. after an enormous amount I work spent on a determination of precession based on more than 1000 stars, the R.A.S. declined to print my paper & returned it to me ; thryph I now have the for sate faction of finding conductions in all respects in close accordance with nine actually officially adopted in the matical almance under the authouts of Prof. newcourt.

f.54 5 GALTON CASTILLO ZAMORA, PAPERS REALEJO ALTO, TENERIFE Theed hardly say that I have now made a decided recolution never again to send any matter Matever for publication, under any pretext whatever. and hart of my defficulty in writing this short auto biography is the doubt whether such contributions are intended for publication. To publication of thes matter ) can in no wise consent, though I an willing to give private information. It is for this reason that I have declined all infranction to "Who's Who" and similar publications. I desire to keep very haue from publicity, hiefly became by health will put their it. Bosany ret.

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#### LIST OF PUBLICATIONS

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#### BY

## R. H. M. BOSANQUET, M.A.,

Fellow of St. John's College, Oxford.

On the Resolution of Lambert's Theorem by Trial in the Method of Olbers for the Calculations of Parabolic Orbits. Astr. Nachr. LXXVIII. 1872. 123-126.

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- On the Mathematical Theory of Mr. Baillie Hamilton's String Organ. Phil. Mag. 4 SER., XLIX. 1875. 98-104.
- The Theory of the Division of the Octave and the Practical Treatment of the Musical Systems thus obtained. A Revised Version of a Paper entitled 'On Just Intonation in Music.' Roy. Soc. Proc. XXIII. 390-408.
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- On Certain Considerations connected with the Orbits of Comets. Jnl. of Proc. Ashmolean Soc. 1. 1879.
- On Time, including some Questions connected with the Calendar. Jnl. of Proc. Ashmolean Soc. 11. 1879.
- On the Present State of Experimental Acoustics. Phil. Mag. 5 SER., VIII. 1879. 290-305.
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- Note on the Laboratory at St. John's Coll., Oxford. Phil. Mag. 5 SER., X. 1880. 217-226. XII. 1881. 178-184.
- On the Beats of Consonances of the Form h : 1. Phil. Mag. 5 SER., XI. 1881. 420-436, 492-506.
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- Notes on Practical Electricity. Phil. Mag. 5 SER., XIV. 1882. 241-258.

#### R. H. M. Bosanquet, M.A.

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On a Uniform Rotation Machine, and on the Theory of Electromagnetic Tuning Forks. Roy. Soc. Proc. XXXIV. 445-447.

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On a Standard Tension Galvanometer. Phil. Mag. 5 SER., XVII. 1884. 27-30.

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On Electro-Magnets. (i) Phil. Mag. 5 SER., XVII. 531-536.

(ii) On the Magnetic Permeability of Iron and Steel, with a new Theory of Magnetism. *Phil. Mag.* 5 SER., XIX. 1885. 73-94.

(iii) Iron and Steel. New Theory of Magnetism. Phil. Mag.
 5 SER., XIX. 1885. 333-340.

(iv) Cast Iron, Charcoal Iron, and Malleable Cast Iron. Phil. Mag. 5 SER., XX. 1885. 318-323.

Permanent Magnets. (i) *Phil. Mag.* 5 SER., XVIII. 1884. 142-153. (ii) On Magnetic Decay. *Phil. Mag.* 5 SER., XIX. 1885.

57-59. On the supposed Repulsion between Magnetic Lines of Force. Phil. Mag. 5 SER., XVIII. 494-495.

Letter to Electrician. Feb. 28, 1885. 331. March 7, 1885. 351.

## R. H. M. BOSANQUET, AND PROF. A. H., SAYCE, M.A., Queen's College.

Preliminary Paper on the Babylonian Astronomy :---

(i) The Calendar. Month. Not. Astr. Soc. XXXIX. 454-461.

(ii) \_\_\_\_\_ Month. Not. Astr. Soc. XL. 105-123.

(iii) The Venus Tablet. Month. Not. Astr. Soc. XL. 565-578.

I have found africes of a few subsequent papers, from Arich ) have compiled the accompanying his completion of this list . But a good many are missing . 7. 1 m. B.

f.57 GALICIT CASTILLO ZAMORA, PAPELLO REALEJO ALTO, TENERIFE. Completion of printed list of habers by R. H. m. Brangach F. R. S so far as whiles can be found. Several we massing Phil. may. april 1887 Electromaquets VII. Law of the Dynamo. Philmay may 1887. On the determination of Coefficients of metual Induction by means of the Ballistic galocumeter Philming. July 1887 note on maquetization . on sequences of Reversals. (Phys. Soc.) Phil. mag. Oct 1892. Part II out - from p. 130. on the Calculation of the Illicuin try power of Hydrocarbous and their quantures . Phil. neg. Jan. 1893 montain Sichness, and Power and Endurance. monthly notices R.A.S. L.V., us 8. p 480. (1) on a fined system of Star coordinates. (2) on the Relation between Precession and Proper motion.

# NOTEWORTHY KINSFOLK OF R. H.M. Boaanquet, Egg. FRP. does not ("WHO'S WHO" contains all that is wanted concerning yourself.) (Hundly send further particulars) ""WRITE AT FIRST FAINTLY IN FENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

1.585

Common terms of kinship.	Exact kinship briefly phrased.		No. who sur- vived child-	Initials notewo	Exabrief	ct kin ly phr	rased. who		No. who sur- vived child-		Initials of the noteworthy.	Regr.	Title.	Full names of those whose initials appear in the preceding column.	
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By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

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The object of the inquiry is to ascertain the frequency with which Ability, as indicated by High Success, is distributed among the members of a family; how far it is sporadic and how far it seems to be hereditary or else traditional. The replies will add to our knowledge of some of the main causes of evolution: one of these is the coefficient of mental heredity, another the inclination or otherwise of persons to mate with their like or unlike, another the fertility of the mentally exceptional in various degrees, including their tendency to be celibate, or to marry early or late.

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FRANCIS GALTON. 42 RUTLAND GATE, (S) LONDON, S.W. £.584

Robert Holford Macdowall Bosanquet, (D.1841) physicist & author of numerous scientific papers dealing with various branches of physics. F.R.S., etc. f. 59

fa af bro Rt. Hon.Sir John Bernard Bosanquet, (1773-1847) kping's segeant,1827; judge of common pleas,1830;lord commissioner of great seal,1835-6. (Dict.N.Blog.) bro <u>Bernard Bosanquet</u>, (b.1848) prof. of moral philosophy, St.Andrews universitysince 1903; formerly fellow of Univ. Coll. Oxford; has done much work in connect?on with Charity Organization Soc.; author of many books on philosophical subjects. (Who's Who)

bro Vice-admiral <u>Day Hort Bosanquet</u>, (b.1843) Commander-in--chief West Indian Station since 1904; has been Commander--in-chief East Indies. (Who's Who)

fa son <u>Charles Bertie Pulleine Bosanquet</u>, (b.1834) one of the founders of the Charity Organization Soc.'of which he was the first secretary for many years.

me fa bro <u>Hay Macdowall</u> (d.1806) Commander-in-chief of Madras Presidency.

me si son <u>Ralph Dundas</u>, head of large & influential firm of Dundas & Wilson, Writers to the Signet, Edinburgh. fa son son <u>Robert Carr Bosanquet</u>, (b.1871) archaeologist; director of British school of archaeology at Athens.

hole placed with peak records

equil.

10 min Bottomles f. 601 BAD KISSINGEN ON F. Haas. Germany Aug 3. 1904 S. Francis Galton F. Q.S. Dear In . Endered Mave pleasure in sending you my return a "Noteworthy Kinsfolk". and regret that it was uch sent sooner. May I ask for a pash card acknowledging receipt of the papers.

I hope what thave writing is mitable for your purpose. of ush Ishall be obliged if you will lit me know what, further, you desire. I am exhend som that I cannot get the matter Typed abroad have the hust that the will with he toy great an L'Commence. GALTON ED Jam dear in PAPERS ED Justanthul J. J. B. Honley

Bottomley A. 3. me fa, James Houson. James Thomson, my maternal grandfather, was a mathe ma: tician of high order, and ponesed very remarkable a bility in many directions. He was son fa small farmer in C. Down in the North of heland, but was of Scotch descent. As a boy he commenced a his an initiative, having become ponened with a derie h understand the principles of san-dialling; and for this purpose he bought mathematical book with the few spare hennies which bee given thim how time to time. For a time he continued to prosecule his matumatical studies withah anistance a Enconcement,

but after a time his prends became caninced that he pomened unusual Falent and mabled him to the construction at the university of glas gow. After taking his degree there he became (1) Robers of Mathematics at the Rozal Bellast Academical Institution, ad, Jake, (2) Professo & Mathematics GALTON PAPERS at the university of Glasson. Pul-James man on was also an aco complished Clamical Scholar lokes at glasgow universit he was able, an occasion, t' do dut In the Professor of datin; and he lectured also h his colleague the Professor of Astrong. He was the antho of Encellert

books an Arithmetic, Algeha, Geometry, higonaucty, Sifferential and Integral Calculus, and a Geography with an appendir on Ashanong. here both, wae for many years the anthorized of National Education in helend. ga me bro. James Manson. was B. Eldest on y the above mentioned Jame Mansan. He was 11, Profeno 9 Civil Ingineerip à Ancens College Belfast, and 2) Prof. y Wil Inguerip and Mechanics in the University of glasgow. He

was a well know invertor, and was a Felea of the Royal Societ. His obituary white, written by myself, In the Royal Point; gives all the necessary harries: lars regarding him. C. 96 me tro John houson, was a son of the first named ames Thansa. Unfortunatel he aied young, having contracted hospital ferer just as he was Carpleting his cause of medical study in the liniersity of glasgos. Before his death however, he had broved him self y remarkable ability and was believed h

Bottomley F.19 5. This piends to be what len gifted than his brothers James and William. 90 me tro William Mansa, Lord Kelvin D. son of the first named James Mouson Mathematician and mento. Has been Professor of Natural Philosophy is the university of glasgow. Is a fellar of the Royal Sriet, and has been President. 2. 24 me si son George King. is an Actuary of actualeased ability. and an excellent matter ma = rigual halas, and & a work, which is recognized as, an thoritative, an actuarial subjects,

hom Id. D. (glaz gow)

James Thomson Bottomley, D.Sc., F.R.S., electrical engineer; Arnott & Thomson demonstrator in the University of Glascow, 1870-1899. (Who's Who)

me fa James Thomson, (1786-1849). Son of a small farmer in Co. Down, commenced the study of mathematics on his own initiative; became professor of mathematics first at the Academical Institution, Belfast1815; then at Glasgow, 1832. also a good classical scholar & astronomer; Wrote text-books enedathakabdoka subjactSommishiwapssfof Makdohimeedheatithoith-

on mathematical subjects , which were for somp many Years time the authorized text-books of the Commissioners of National Education in Ireland. (Dict.N.Biog.) me bro James Thomson (1822-1892)/professor of civil engineering first at Queen's Coll. Belfast, 1857-73, then at Glasgow 1873 89, invented the "vortex water wheel" 1850. F.R.S. hon.LL.D., Glasgow & Dublin. (Dict.N.Biog.) me bro John Thomson died young having contracted hospital. fever when completing his course of medical study at Glascow; considered as able as his brothers. me bro William Thomson, Irst baron Keivin; well known physicist P.C., O.M., G.C.V.O., LL.D., D.C.L., D.Sc., M.D., F.R.S., F.R.S.E,, Inventor of mirror galvanometer, & of siphon recorder in compass. etc connection with submarine stelegraphy; acted as electrical engineer for many submarine cables; has been president of British Ass. 1871, of Royal Soc. 1890-95;& four times of Royal soc. Edinburgh (Who's Who)

autor of memory mathematical & physical memory

Ireland,

065

MG 5: Som George King Actuary Of great ability, & an excellent mathematician; author of many important original papers and of a work which is recognized as authoratative on actuarial subjects.

1.66

## NOTEWORTHY KINSFOLK OF D. J. Gottomley, FRS. ("WHO'S WHO" contains all that is wanted concerning yourself.)

4

\*\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN.

Common terms of kinship.	Exac brieft	et kinshij y phraseo Title.	d. who viv chil	sur- ed ld-	nitials of notewort			et kinship ly phrased. Title.	No. who su vived child hood	D	Initials of the noteworthy.		Title.	Full names of those whose initials appear in the preceding column.		
Grandfather Grandmother .	1 2	fa fa fa me					3 4	me fa me me	1.1	J.	7.	3	me fa	James Thomson		
ather Iother	5	fa me		-			11	-	1 1		=			1 57		
Jucles Aunts	7 8	fa bro fa si	31	2			9 10	me bro me si	41	2	7.9.9	99.499	me bro me bro	James Thomson John Thomson William Thoms		
Brothers Sisters	11 12	bro si	4						11			1-	me v co	Mulan + 10		
Half-brothers Half-sisters	13 14	fa son fa da	10 10				15 16	me son me da	0		-					
Nephews Nieces	17 18	bro son bro da	43				19 20	si son si da	1 ]-	94	-					
First cousins Male	21 22	fa bro s fa si si		2			23 24	me bro son me si son		4	r.k	24	me sism	George King		
First cousins Female	25 26	fa brø fa si d					27 28	me bro da me si da	0.11	1						
	Regr.	Title.	No. who sur- vived child-	Initia of the n worth	ote-	their m	n name other, y	our hé	of		ers and sisters.			COLLEGE GALTON		
			hood.	worth			W 12C.	marri	age.	Titles.	noteworthy.			PAPERS ON		
Sons	29	62	2				i El	hizabel	\$ 50	Wi bro Wi si Hu bro				the man		
Daughters .	30	da	-				may	n 10,	1	Hu si	-					
Sons Daughters .	29(2)	50(2)	-			Eliza	Jen	met 18	88 id	<ol> <li>2) Wi bro</li> <li>2) Wi si</li> <li>(2) Hu bro</li> </ol>	-					
Daughters .	30(2)	da(2)	-			1.	Han	dy		(2) Hu ora (2) Hu si	The second second					
Signat	ure a	id Ada	dress oj	f the So	ender	~	1. J.	Box	Hom	lez	13	lenii	ersity	Gardens asgow		

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FRANCIS GALTON. 42 RUTLAND GATE, (S) LONDON, S.W. f17V

15 heary 1904 lea he Galta, Vana a sport" hone of very kustock, excepting son have son taken any wither In Allence. V myself received no scientific iducation. 1 - my tring Shelfind Bidwell

RIVERSTONE LODGE. PAPEtro WIMBLEDON PARK ROAD, SOUTHFIELDS.S.W. 3. meja, also fa fa bro. Rev. George Bidwell. Felion of Clare Cole. Cambridge 7. Fabro. algred Clarke Bidwell. Judge in the H.E.I.C.S. Calcutta. 29.50. Leonard Shelfund Bidwell Progeman of Frin Coll, Camb, 22. Fasi son. Sir Henry Collett, R.C.B. Colonel, Indian army

### NOTEWORTHY KINSFOLK OF De Skelford Bidwell, Jes

("WHO'S WHO" contains all that is wanted concerning yourself.)

\*\*\* Write at first faintly in pencil; correct leisurely in concert with members of your family: when satisfied, ink in.

f.20-

	mmon terms		t kinshi y phrase		sur-	Initials		Exa		nship rased.	No. who sur- vived		ials of the	Regr.	Title.	Full names of those whose initials appear in the preceding column.	
0	of kinship.	Regr.	Title.	chi	ld-	notew	orthy.	Regr.	т	ïtle.	child- hood.	BO	teworthy.			appear in the preceding coronaa.	
	ndfather ndmother .	1 2	fa fa fa me		-			3 4	me me	COLUMN TO A		G.	13	3	mefa	Rev. George Bidwell	
	her	5	fa me							_			_				
	cles	7 8	fa bro fa si	35	- 4	2.0	. 13.	9 10	me me	bro si	2			/		Bidwell	
	thers	11 12	bro si	1						-				22	fasis	m Sir Henry Lollett.	
	f-brothers	13 14	fa son fa da	010				15 16	me me	son da	la la			29	1-0	Leonard Shelfn	
200	ohews	17 18	bro son bro da	. 0	,			19 20	si s si a		010		-	-7		Bidwell.	
	st cousins Male	21 22	fa bro s fa si s	son /		H	c.	23 24		bro son si son	6				r	COLLEG	
	st cousins Female	25 26	fa bro fa si a					27 28		bro da si da	3/				Contra Co	GALTON E	
				No. who sur-	Init	ials	Maide	n name (	of	Vear o		's brothe	rs and sisters.			No	
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Riversame Lodge Southfields, Wandworth, S. W.

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		•.• v	VRITE AT	FIRST FAIL						wanted concerni			SATISFIED, INK IN.
	fa	bro son								mother ; $si = sist$ aughter IS "; so I			= wife." s wife's brother IS"; &c.
Common terms		Exact kinship briefly phrased.		No. who sur- vived	Initials			t kinship y phrased.	viveo mod	Initials of the	e Regr.	Title.	Full names of those whose initials appear in the preceding column.
0	f kinship.	Regr.	Title.	child- hood.	notewo	artny.	Regr.	ALC: NO STATE	child- hood.	noteworthy.			appear in the preceding commu-
	ndfather ndmother .	1 2	fa fa fa me				3 4	me fa me me	1-1-				
	her	5 6	fa me	-			1 1	-	1.1	Ξ			
	cles	7 8	fa bro fa si				9 10	me bro me si					
	thers	11 12	bro si	3	.H. B.	13,	1.1	-	-	_			Henry Bonnaw Brady.
	f-brothers	13 14	fa son fa da				15 16	nie son nie da					and the
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	st cousins Male	21 22	fa bro son fa si son				23 24	me bro son me si son					
	st cousins Female	25 26	fa bro da fa si da				27 28	me bro da me si da					
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Please address the completed results thus, not omitting a large and very legible S in brackets, in the bottom left-hand corner :

FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W.

Henry Bowman Brady - F.R. J. was successful in business and established the well known fine of Brady theather - Ramacentical Clemisto in new castle upon Jyme. He seccive the how orany deface of Cl. O prow the Unousity of andrews. Published enany works on the natural History of the Foraminifero, Und Besident of the Sharmaceutical Society and Pharmaceutical Conference and was a mender of the Council of the Sucham College of Counce, new conto an Lyn,

### NOTEWORTHY KINSFOLK OF Siebrich Brandis, N.C.I.E. J.R.

("WHO'S WHO" contains all that is wanted concerning yourself.)

1.731

\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

Common terms of kinship.		t kinshi y phrase	ed. who	o. sur- ced ld-	Initials		Exad	t kin y phr	ased. w	No. ho sur- vived	Init	ials of the teworthy.	Regr.	Title.	Full names of those whose initials appear in the preceding column.
	Regr.	Title					Regr.	Ti		hood.					
Grandfather Grandmother .	1 2	fa fa fa me			7.2	. B.	3 4	nse nse		1.1			1.	Suba	Joachim Dietrich
Father Mother	5 6	fa me			c.a.	B.	11			1 -		-	5.	fa.	Brandis, Christian August Brandis
Uncles	7 8	fa bro fa si					9 10	me me		9	· <b>A</b>	Η.	q.	me bro	Briedrich Hausman
Brothers Sisters	11 12	bro si	1	1	BI 7.		11		-			<b>F</b> Ø	11.	bro	Bemkand Brandi Johannes Braad
Half-brothers	13 14	fa son fa da			0		15 16	me	COLUMN STREET				64	"	10 harmin -
Nephews Nieces	17 18 ~	bro sos bro da					19 20	si si si d	100 C 100 C 100						
First cousins Male	21 22	fa bro fa si i					23 24		bro son si son		2.	v.H.	24	me.si.	son Julius von
First cousins Female	25 26	fa bro fa si i	bro da si da				27 28		bro da si da		0			-	son Julius von Hartmann
			No. who sur-		Initials	Maide	n name o	4	Year of	Wife	s brothe	rs and sisters.			A COLLER
	Regr.	Title.	vived child- hood.	of	the note- worthy.	their me	other, yo vife.	ur	her marriage.	Tit	tles.	Initials of the noteworthy.			GALTON CON PAPERS
Sons	29	50	1							st W Sto W An HA	ï si				(2 H)
Daughters .	30	da	NX							H. H					
Sons	29(2)	so(2)	4			hat	han	inq	10.65	sq(2)	Wi bro Wi si				
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			12.12	1	6.910	1600			1	23	2			Kew	THE

### ABILITY IN FAMILIES.

By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

The object of the inquiry is to ascertain the frequency with which Ability, as indicated by High Success, is distributed among the members of a family; how far it is sporadic and how far it seems to be hereditary or else traditional. The replies will add to our knowledge of some of the main causes of evolution : one of these is the coefficient of mental heredity, another the inclination or otherwise of persons to mate with their like or unlike, another the fertility of the mentally exceptional in various degrees, including their tendency to be celibate, or to marry early or late.

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Please address the completed results thus, not omitting a large and very legible S' in brackets, in the bottom left-hand corner :

FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W. 173V

, Superintendent of Foresto, British Burune 1856-1864. Sir Dietrich Brandis, (b. 1824) K.C. I.E., F.R.S. Inspector General of Forests to the Indian Government, 1864-1883.

(Who's Who)

F.74

fa fa Joachim Dietrich Brandis, bornat Hildesheim, where his ancestors had governed the town as Burgermeister for centuries; practised medicine at Brunswick Driburg & Pyrmont; professor of pathology at Kiel; died at Copenhagen as physician to the Queen of Denmark.

fa Christian August Brandis, secretary of legation in Rome 1818; afterwards professor of philosophy in Bonn;

went to Athens in 1837 as confidential adviser to King Otho partly, with regard to the organization of schools & colleges in Greece. author of a work on the History of greek philosophy.

me bro Friedrich Hausmann, professor of miheralogy & geology at Gottingen; author of a handbook of mineralogy. bro Johannes Brandis for many years Kabinetsrath of H.M. Empress Augusta queen of Prussia. me si son Julius von Hartmann commanded the cavalry division in the Franco-German war; after the war was governor of Strasburg.

1. fafa Joachin Dietrich Maudis Med Dr. Born at Hildeshein, where his aueston had governed the true as Durgermeister during several centurin. Praitis ed al Braunschweig Drilurg and Pyrum - Proferen of Pattiology al Kiel, died at Roycen hagen as Conferenzy wath and Physician to the hucen of Denwark. 3. fa. Christian august Maudis. Phil. Dr. appointed al Nielubre regulat Secretary of degution at Rome when Neeluhr went there as aubunador in 1818. Was neceeding by Bunsen , when he went a few year later to Varis and Cugland, in order to study Manuscripts relating to the Philosophy of avitateles. Profener of Philosophyat Boun, author of the history of Greek Philosophy. Went to attens in 1837 in a confidential paition to King Otho, partly connected with the organization of Schools and Colleges in Greece. Retained to Bour after 2 's your anthe in Greece 9. me loo. Friedrich Hausmann, Phil. Dr. Proferm of Mineralogy and Geology at Gollingen authen of a Handlook of Minevalogy. 11. bro. Bembard Brandis, Med. Dr. Many year Physician at ain -la - Chapelle. Now setired 11. Iro. Johannes Brandis, Phil. Dr. for unay your Kalinets rath of Her Majerty, Cuppen Augusta Luca of Prussia de, died 1873. (the German) 24. me. si. son. Julius un Hartin and . Son of Sir Julias un Hartinana Juho commanded the artilley of the German degion in the Penin mler campaign and al Watwlow, and after ward commund the Hauwerian artillery . His for commander . ce Caruly Division in the Mances Genuen War and after the war uns Governer of Straslary, July 3º 1904 D. Brandis

F.75

NOTEWORTHY KINSFOLK OF

• ;

("WHO'S WHO" contains all that is wanted concerning yourself.)

Viojerror a. brum Prouon FRS.

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	ion terms	Exac briefly	t kinship phrased.	No. who sur- vived	Initials of t	he brief	ct kinship ly phrased.	No. who su vived	init	ials of the	Regr.	Title.	Full names of those whose initials appear in the preceding column.	
of ki	inship.	Regr.	. Title.	child- hood.	noteworthy	Regr.	Title.	child- hood.	no	teworthy.			appear to use preceding column.	
	father mother .	1 2	fa fa fa me			3 4	me fa •me me	1 1						
	her 5 fa her 6 me		-	J.B	2	1	1 1		Ξ		Rev? Prog	K. John Brown		
		7 8	fa bro fa si	2		9 10	me bro me si	.4	٧	v.C.	9		Walter Cram	
Brothe	rs 	11 12	bro si	0'	5	-		4 4		_	13	Rev. Prof	John Brown Robert Johnstone	
	rothers sters	13 14	fa son fa da	2	J.B	15 16	me son me da				19 23		Charles Stewart Wills Alexander Crum	
	ws	17 18	bro son bro da			19 20	si son si da	4.5	¢.9	s.w.			1	
	ousins le	21 22	fa bro so fa si son		R.J.	23 24	me bro soi me si son		A.c					
First cousins Female	25 fa bro d 26 fa si da				27 28	me bro da me si da						A COLLED		
•				No.	Initials	Maiden name	of Year		ife's brothe	ers and sisters.			GALTON PAPERS	
		Regr.	Title.			heir mother, y wife.		t in the second	Titles.	Initials of the noteworthy.			12 He	
marriage.	ons	29	50					4	Wi bro Wi si Hushao					
	haughters .	30	da					de	Hogani					
	aughters .	30(2)	so(2) da(2)	_					<ol> <li>2) Wi bro</li> <li>2) Wi si</li> <li>2) Hartzo</li> <li>2) Hartzo</li> </ol>					

\* 3 sons of my aunt Me Johnston - My father had another full rister, who married and want to America, Ibuns me had sons, but we have lost Trace of The family.

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FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W.

#### um Brown

5. Rev. Professor John Brown D.D. Minister of the Secession (afterwards the United Presbyterian)Church, professor of Exegetical Theology in the Divinity Hall of that Church. Author of many exegetical commentaries.

9. Walter Crum F.R.S. Manufacturer at Thornliebank, near Glasgow. A good man of business, and a very able Chemist.

13. John Brown M.D. Author of "Horae Subsecivae" containing "Rab and his Friends", "Locke and Sydenham" &c.

22. Rev. Professor Robert Johnstone. Professor of New Testament Exegesis, in the United Free Church College, Aberdeen.

19. Charles Stewart Wilson, Postmaster-General, Punjab.

23. Alexander Crum, son of No. 9. An able man of business, managing Director of "The Thornliebank Co. lim." For some time Member of Parliament for Renfrew-shire. f.72

Alexander Crum Brown, (b. 1838) M.D., D.Sc., LL.D., F.R.S., professor of chemistry, Edinburgh University since 1869; president of the Chemical Soc. London, 1892-3. [Who's Who] fa fa fa John Brown, (1722-1787) of Haddington ; biblical commentator; as a herd boy taught himself latin greek.& with the aid of a tea learnes hebrew/; at one time a pedlar ; served as a soldier in the Edinburgh garrison 1745; minister to the Burgher congregation at Haddington, 1750-1787; acted as professor of divinity to Burgher student& after 1768. [Dict.N.Biog.] fa fa John Brown, (1754-1832) Scottish divine; minister of Burgher churh at Whitburn, 1776-1832; wrote memoirs of James Hervey, I806. & many religious treatises. [Dict.N.Biog.] fa John Brown, (1784-1858) minister of Burgher church at Biggar, 1806, of relief church at Edinburgh, 1822; D.D. 1830; Decession, professor of exegetics Relief Coll.1834, & in United Presbyterian Col. 1847; author of many exegetical commentaries (Dict.N.Biog.) me bro Walter Crum, F.R.S., manufacturer at Thornliebank, near Glascow; a good man of business & a very able chemist. fa son John Brown. (1810-1882) M.D., practised in Edinburgh with success till his death; author of "Horae Subsectivae", "Rab & his Friends" (Dict.N.Blog.)

F.78

<u>fa si son</u> Robert Johnstons, (b.1832) D.D., LL.B., professor of New Testament Literature & Exegesis in the United Free Church Coll., Aberdeen; has published works on the New Testament. (Who's Who)

si son Charles Stewart-Wilson, Postmaster-general, Punjab, since 1899. <u>me bro son Alexander Grum</u>, managing director of the "Thornliebank Co" For some time M.P. for Renfrewshire.



# NOTEWORTHY KINSFOLK OF John Brown, Esq. 499.

("WHO'S WHO" contains all that is wanted concerning yourself.)

f.for

\*\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN.

Common terms of kinship.	Exabrief	ct kinshij y phrase	d. who su	ur- d Initials		Exact briefly	t kinship phrased.	No. who sur- vived		ials of the teworthy.	Regr.	Title.	Full names of those whose initials appear in the preceding column.
or kinsnip.	Regr.	Title.	. child		athy.	Regr.	Title.	child- hood.	IK	dewortny.			
Grandfather Grandmother .	1 2	fa fa fa me	1-1			3 4	me fa me me		M	K	3		Williams Vertlan
Father Mother		fa me	11	JS EF				Ξ			5	fame	Johnes Brown Ellen 7 Brown
Uncles Aunts	7 8	fa bro fa si	13		and and a	9 10	me bro me si	6 4					61 007
Brothers Sisters	11 12	bro si	200			11		1 -					BALTON T PAPERS
Half-brothers Half-sisters	13 14	fa son fa da	0 0			15 16	me son me da	9					- ncet
Nephews Nieces		bro son bro da				19 20	si son si da	9 9					
First cousins Male	21 23	fa bro s fa si si	ion 6	WRW	1°M	23 24	me bro son me si son	62			22	fasiso	W R Me Munay
First cousins Female	25 26	fa bro fa si d				27 28	me bro da me si da	84					'
	Pour	Title.	No. who sur- vived	Initials of the note-	Maide their m	n name o other, you	f Vear ar her		's brothe	rs and sisters.			
	Kegi.	A IGICS	child- hood.	worthy.	uncu in	wife.	marria	ge. Ti	itles.	Initials of the noteworthy.			Why mard Brown
Sons	29	30	2	WMB	Ker	rtlai	2 188	30.11			29	20	W - mane to a - t
Daughters	30	da	-	-				da H da L	u bro Iu si				
Sons		so(2)	-	-	Jan	ries	189	9 so(2) da(2)	Wi bro Wi si Hu bro	1-1-1			
B Daughters Signal			dress of	the Sender	165	2	m	10.7.5	Husi	han	n l	Au	mury

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FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W. 280V

Noteworthy Kinsfolk of John Brown, F.R.S.

f. 81

- 3 me fa William Mertland,- of considerable literary ability; a good Shaksperian scholar; wrote and published Odes, Songs, Ballads and Plays, some of which were produced on the Dublin stage.

5 is John S. Brown, - a remarkably excellent and extraordinally success ful business organizer, had much originality and enterprize, introduced a great advance and improvement in the quality and taste in designs in demask table-linen in the manufacture of which he made a considerable fortune.

6 m Ellen F. Brown(nee Kertland)-of exceptional powers of mind in literary and scientific subjects.

22 fa si so W.R. M<sup>C</sup>Murray, - an excellent organizer and most successfull buisness manager.

29 so William Mark Brown, - died at 16 but had given much promise of literary and artistic ability.



Kinsfolk in more distant degrees.

me me bro Dr John Greham, - of considerable literary ability and business capacity, under his management as principal, Portora Royal School became emingmently successful.

£91 v

Mother's great grandmother was a sister of John Roberts, architect of m g in a g t g t g r nd th r of E rl important buildings in Waterford and great grandfather of Earl Roberts.

signa in demaak tehle-linen in the menufecture of which he made a con-

e = Bilen F. Prosm(nee Kertiand)-of exceptionsi posers of sind in Literary and scientific subjects.

es fa ai so 4.M. M Murray.- an excelient organizer and most success-

29 so William Mark Brown .- aisd at 16 but had given much promise of literary and artistic ability.

### NOTEWORTHY KINSFOLK OF Progerron & W. Brown, 400

("WHO'S WHO" contains all that is wanted concerning yourself.)

\*.\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

no letter ,

1 P.32x

	Exact kinship briefly phrased.		1	10.000	C MARTES	Eva	t kinship	No.						
Common terms				Initials			y phrased.	who si vive	ur- Init	ials of the	Regr.	Title.	Full names of those whose initials	
of kinship.	Regr.	Title.	child	notew	orthy.	Regr.		child	I- no	teworthy.	-		appear in the preceding column.	
Grandfather	I	fa fa	-			3	me fa	-	Stre task					
Grandmother .	2	fa me	-			4	-me me	-	11000					
Father	5	fa				1	_	_	1			No	blood relation	
Mother	6	me	-			-	-	-	a mail			1 0.	, derve as tax	
Uncles	7	fa bro	1	1		9	me bro	3				4 4	m mj. a	
Aunts	8	fa si	4			10	me si	10	617 - Con 1997			as J	ny degree as far am aware. manity	
Brothers	11	bro	<u>0</u>			-	-		1					
Sisters	12	лі	2	1-25-16		-	-	-	17-51	_			osful merchants (Fa e	
Half-brothers	13	fa son	9			15	me son	0	The sea	Sent Trille		and	farmers (ma site).	
Half-sisters	14	fa da	2			16	me da	2					/	
Nephews	17	bro son	0			19	si son	0	1					
Nieces	18	bro da	12			20	si da	4					Contraction of the State of the	
First cousins	21	fa bro si	om 2			23	me bro son	4	-					
Male	22	fa si so	11 2			24	me si son	10	1 200				a construction and the last	
First cousins Female	25 26	fa bro d		8		27 28	me bro da me si da	4	8					
			-						1	- diama			A COLLEGE	
			No.						Vife's brothe	rs and sisters.			BALTON CO	
	Regr.		who sur- vived child- hood.	Initials of the note- worthy.	their m	n name o other, yo wife.		88 B.	Titles.	Initials of the noteworthy.			ALLE HOUSE	
Sons	29	50			Un	man	ried	54	o Wi bro o Wi si					
Daughters .	30	da						100 B 100 B	a Hu bro la Hu si					
Sons Daughters .	29(2)	50(2)							s(2) Wi bro s(2) Wi si				and the second s	
Daughters .	30(2)	da(2)	1				1		a(2) Hu bro a(2) Hu si					

Signature and Address of the Sender , Haverport College, Haverford, Pa, D. S. A.

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FRANCIS GALTON, 42 RUTLAND GATE, LONDON, S.W. **(S)** 

£820

#### James brichton Prowne FRS. NOTEWORTHY KINSFOLK OF 4 ("WHO'S WHO" contains all that is wanted concerning yourself.) \*.\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISDRELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN. bro = brother ; da = daughter ; fa = father ; Hu = husband ; me = mother ; si = sister ; so or son = son ; Wi = wife. fa bro son means "MY father's brother's son IS"; me da means "MY mother's daughter IS"; so Wi bro means "MY son's wife's brother IS"; &c. Exact kinship briefly phrased. Exact kinship briefly phrased. No. who survived child-hood, No. who survived child-hood. Initials of the noteworthy. Initials of the noteworthy. Full names of those whose initials appear in the preceding column. Common term of kinship. Regr. Title. Title. Title. Regr. Regr. Indrew Balfour. AB me fa 3 Grandfather . 1 fa fa 3 me fa Grandmother 2 fa me 4 me me William Mexande, ha WAFB. 5 Father . . . 5 fa Frances Bround. Mother 6 nte John Hutton Balfour. me. bro. 53 JH.B. 9 Uncles . . . fa bro me bro 7 9 me si fa si Aunts. . . 8 10 form Hulla Balgus Browne. Cho 2 JH.BB. 11 Brothers . . . 11 bro sì Sisters . . . 12 2 Half-brothers 13 fa son 15 me son Half-sisters . . 14 fa da 16 me da -Nephews . . bro son si son 17 19 Nieces . . . . bro da si da 18 20 23 molion Ssace Berger Ballon IBB First cousins . 21 fa bro son 23 me bro so. Male fa si son me si son 24 22 First cousins . . fa bro da 27 me bro da 25 Female . fa si da 28 me si da 26 Wife's brothers and sisters. Maiden name of their mother, your wife. Year of her marriage. Initials of the note worthy. Regr. Title. vived child Initials of the Titles. noteworthy. Emily Harold milliam twar:B WI bro WI si 29 Sons 30 1 29 alexander Frances da Harbro Buchla Brown Daughters 30 da 1 (2) Wi bro ringe. Sons 29(2) 30(2) se(2) Wi si da(2) Hartan 30(2) da(2) \_\_\_\_ Daughters . da(2) Husi 2nd elter Bround Crinidan. Am On Signature and Address of the Sender ficorb.

1:831

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FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W.

F.84 Noteworthy kinsfold. 3. Ile Fa. Indrew Balfour, & Successful Pinter in admitugh in the beging of the last Century. Colaborated with Sis David Breuster in production 56 the Edmbrug Encyclopedia, the forerunner of the Encycopedia Britanner one of the Secder of the Free Church disruption 5. Ja. William Alescandes Fromeis Browne Physician. Sargely mistruen ental in introducing the humano treatment of the insome into Scotland was appointed first Commissiones in Lunacy for that Country F.R.S. 8. . butto of works on elenter Disease. 9 lle Bro John Hutlon Balfour. J.R.S. a distinguished Boland Pulfesses of Bolany in the huwersity of Edinburgh. Duttos of numerous mahs a Bolang.

11 Bro form. Kulton Balfour Browne K.C. D.L. Seader of the Pariliamentary. Bar buttor of numerous works on 23. Me Bro Sin Ssace Bayley Balfour J. R.S. distingualed Dotomint Rofessarb Botany in the himoasily of Echiburgh. coutties of numerous works a Botany. 29.50. Hawld William blesandes Crielton - Browne . ellagor Trings Our Seventesh Bardenes . cbecomponied the late els. Joseph Shenison on his Espedition la elloroceo. 1884 and lectered on obtas chormations on his Kelim to Regal Institution of feel Bulan & Rega Geographics Society ceneticated alone into Matabeleland (SOO and was culitaned by follengula Served ni Bechanaland Berde. Polico and was in Command at hofe forten dung Soul officer Irar. Swo medals and clasps Rescuted with Feeder of for

F.95

chote. She Standard of evoleworthiness adopted\_ distinction not inferior to that which fellowship of the Rayal Sucretz confers, amorgal men of Science, seems to me too narrow and exclusion to affind a fust estimate of family ability Andialey below that Standard the and believe no families producing naubers who read. & it a larg mule. of persons, who in the public Service, in de ebbny crawp Ocial Service and in Indie, m Conneres, manufactures, municipal affairs, professinal pussids Col dellers have displayed intelligence and moral qualities So far above to Common level, as to be fully described as ability James Crielton Browne



Sir James Grighton Browne (+1840) M.D., LL.D., F.R.S., Lord Chancellor's Visitor in Lunacy since 1875; Vice-president & treasurer Royal Institution since 1889; author of various works on mental & nervous diseases. [Who's Who]

<u>me fa</u> Andrew Balfour. successful printer in Edinburgh ; colaborated with Sir David Brewster in production of the Edinburgh Encyclopedia, the forerunner of the Encyclop Brittannia; one of the leaders of the Free Church disruption. <u>fa William Alexander Francis Browner</u>.R.S. Ephysician largely instrumental in introducing humane methods for the treatment of the insane into Scotland. was appointed first commissioner in lunacy for that country. author of works on mental diseases.

me bro John Hutton Balfour. (1808-1884) M.D., LL.D., F.R.S., & F.R.S.E., professor of botany at Glascow 1841, & at Edinburgh 1845; wrote botanical text books. [Dict.N.Biog.] John H bro John Hutton Balfour-Browne, (b.1845)K.C., D.C. Leader of the parliamentary bar; Registrar & secretary to Railway Comm., 1874; author of numerous works on law. [Who's Who] me broo son Isaac Bayley Balfour, (b.1853), M.D., D.Sc., LL.D., F.R.S., King's Botanist in Scotland; Regius Keeper of Royal Botanic Garden Edinburgh; professor of botany Edinburgh since I888\$; formerly professor of botany at Glascow & at Oxford; [Who's Who]

£.87

NOTEWORTHY KINSFOLK OF Colonel David Bruce, Rame TRA. ("WHO'S WHO" contains all that is wanted concerning yourself.) \*\*\* WRITE AT FIRST FAINTLY IN FENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN. bro = brother; da = daughter; fa = father; Hu = husband; me = mother; si = sister; so or son = son; Wi = wife. fa bro ton means "MY father's brother's son IS"; me da means "MY mother's daughter IS"; so Wi bro means "MY son's wife's brother IS"; &c. Exact kinship briefly phrased No. who survived child-hood. Exact kinship briefly phrased. No. who su Full names of those whose initials appear in the preceding column. Initials of the noteworthy. Initials of the noteworthy. Common terms of kinship. Regr. Title vived child-hood. Title. Title. Regr. Regr. Grandfather . 1 fa fa me fa 3 I cannot discover Grandmother 2 fa me 4 me me Father 5 fa that I have any Mother 6 me Uncles . . . fa bro me bro 7 9 noteworthy uis Aunts. . . fa si me si 8 10 Brothers . . . bro 11 si Sisters . . . 12 ucl. fa son Half-brothers 13 15 me son Half-sisters . 14 fa da 16 me da Nephews . . . bro son 19 si son 17 si da Nieces . . . . bro da 20 18 First cousins . 21 fa bro son 23 me bro si me si son Male . . . fa si son 24 22 UNIVERS/ GALTON me bro da PAPERS First cousins . . 25 fa bro da 27 Female 26 fa si da 28 me si da Wife's brothers and sisters. Maiden name of their mother, your wife. Initials of the note worthy. Year of her narriage. Regr. Title. Initials of the noteworthy. Titles tage. so Wi bro Sons . . 29 30 so Wi si da Hu bro Daughters 30 da da Hu si marriage. so(2) Wi bro 29(2) 30(2) Sons . . 10(2) Wi si da(2) Hu bro Daughters 30(2) da(2) puz da(2) Hu si 68 Victoria St Sw. Wruch Signature and Address of the Sender

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34

FRANCIS GALTON. 42 RUTLAND GATE, (S) LONDON, S.W.

CAVENDISH SQUARE

August 10th, 190\*4

TAD? PAD STRETON

Dictated.

Securos comos

incruite relicense inc

Dear Mr Galton,

I fear that none of my immediate relatives have distinguished themselves with the exception of an uncle whose name I have included. It may be interesting to you to know however that far away members of my family have distinguished both in chemistry and medicine the two subjects at which I have worked. Dr John Stenhouse JRS was related to me on my Mother's side. His grandfather and my mother's grandfather being brothers. My gret grandmother by the Father's side was Helen Clerk who belonged to the Pennycuick family. John Clerk, Lord Eldon was one of this family and Dr John Clerk was one of the first physicians in Scotland for many years. believe that Clerk Maxwell of Cambridge is also related to the same family. The late George Romanes and I were very distantly related my GGG Grandmother being a Raam Romanes. It may perhaps interest you to know that the two last generations in my family have been very long lived my Grandfather having been born in 1717.

Believe me,

Sincerely yours,

auder Frink

# NOTEWORTHY KINSFOLK OF Lander Brunton FRS.

("WHO'S WHO" contains all that is wanted concerning yourself.)

f. 90-

\*\*\* WRITE AT FIRST FAINTLY IN FENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

Commo		Exac briefly	t kinshi y phrased	p No. who su	Initials		Exa brief	ct kins y phra	sed. wl		ials of the	Regr.	Title.	Full names of those whose initials
of kin	iship.	Regr.	Title.	child	notew	orthy.	Regr.	Tit	0	hild- nood.	teworthy.	g.r.		appear in the preceding column.
Grandfal Grandm		1 2	fa fa fa me				3 4	me f		-				
		5 6	fa me						-	-	_			
		7 8	fa bro fa si	32	J.B		9 10	me b me s	~					The Breaton invented chain Colle accedutable, hilled 18.
Brothers Sisters	s 	11 12	bro si	1				1		-	_			accedentable, helled 18
Half-bro Half-sist		. 13 . 14	fa son fa da	1			15 16	me s me d	1.	0				A COLLES
Nephew: Nieces	s 	17 18	bro son bro da	4			19 20	si son si da						BALTON LON PAPERS
First cou Male	usins	21 22	fa pro s fa si si	1000			23 24		ro son i son	? (autte	Fabroad) Fabroa			the not
First con Fem		25 26	fa bro fa si d	CARL CONTRACTOR			27 28	me bi me s		) ( sette	Fabron			
				No. who sur-	Initials	Maide	en name	of	Vear of	Wife's broth	ers and sisters.			
		Regr.	Title.	vived child- hood.	of the note- worthy.		other, yo wife.	our	her narriage.	Titles.	Initials of the noteworthy.			
Sor Dat	ns	29	50							w Wi bro Wi si				
Dar	ughters .	30	da							da Hubro da Hubro				
marri	ughters .	-	so(2)							(2) Wi bro (2) Wi si da(2) Harboo da(2) Harboo				

### ABILITY IN FAMILIES.

By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

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FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W. 8.700

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("WHO'S WHO" contains all that is wanted concerning yourself.)

Pof. G. H. Bryan

£.916

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Common terms		Exact kinship briefly phrased.		No. who sa	Initials			ct kinship y phrased.	No. who sur- vived	Inn	ials of the	Regr.	Title.	Full names of those whose initials appear in the preceding column.
of	f kinship.	Regr.	Title.	child hood	. notewo	rthy.	Regr.	Title.	child- hood.	no	teworthy.			-11
	ndfather ndmother .	1	fa fa fa me	C P P	(De of med	icine)	3 4	me fa me me	11	(Dr of	medicine)			R. P. B / Robl. Purchie Neryon 1 el class class
	her her	5 6	fa me	110	R.F.	10.00 m to 1	11							Cambridge, died at oge of 25.
	des	7 8	fa-bro fa si	1.000	voue .		9 10	me bro me si	noc	F	ever.			
	thers ers	11 12	bro si	30	oue eu	er		-						
	f-brothers f-sisters	13 14	fa son fa da	3	<del>Child</del> No	/	15 16	me son me da	1	ion	e.			
	ohews ces	17 18	bro son bro da		Nou	R	19 20	si son si da	1	vo	ne.			A OOTLOOM
	st cousins Male	21 22	fa bro so fa si so		Non	e	23 24	me bro son mo si son	1	Va	ne			GALTON AL PAPERS
	st cousins Female	25 26	fa bro a fa si da		Von	٩	27 28	me bro da me si da	1	va	ne.			
				No.				of Year		fe's broth	ers and sisters.			
		Regr	. Title.	who sur- vived child- hood.	Initials of the note- worthy.	their m	en name other, y wife.			Fitles.	Initials of the noteworthy.			
rriage.	Sons	29	50	n	oue	N	1a	re	4	Wi bro Wi si				
1st marriage.	Daughters .	30	da	10	one					Harri				
and marriage.	Sons			n	one	n	1 an	re	50(2 44(	<ol> <li>Wi bro</li> <li>Wi si</li> <li>Humbre</li> </ol>				
nd r	Daughters .	30(2)	da(2)	1 20		1.25		10.00		2) Harri				

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FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W. f.912

f.92r Neycombe Hastemme amil 30-1904 GALTON PAPERS Dear ur gallon I angratulate you on your continued ouccep in a difficult lice of research. I mid good back your quiries, but. Sfear Hut my record is poor, as sigends Exceptional intalizence .- It may be my densimp, but ) dont see the significance Jast Column - Than

added (my) Wi bro motion of so. Wilbro. who I have not yet deenbury truly jum

f.92

Grunces Gallon En F.R.S. Ze

gronder corting.

J. B. Bucktin . Sogn F. R.S. Noteurth kinspilk f.93 Regr. . Title full names -George Poncheton . Ecclesiantical Lawyer 5 fa I master of the merchant Taylor's Cump?. Woodger merricles Bruckton : Fellow of The Luinean and Zoological Societies. 600 11 Richard merricles: Sepul Liculenant meja 3 William Woodyen Brichton B.a. a rising elec. 29 50 trial enfineer, with a capacity pr sympathetically manappe a large business concern. da 30 alice man Buckton, Vice Principal of Sesame Huise, st John's wood - lecturer on Iducation elevette fine are tastes, and author of several poetical cooks, and other printed papers. 30 da Eveleen Brickston. Twice prize winner at The Slade School of art, hondon 3 other daughter with fine are and naturalistic tendencies. married Jenge Day F.R.S. Her daughters, Elsie NB fa bu da and huma Day, are reputing the Head of frey Cour School, Wertmunster; and Deaconners & thead of Sr. and rew's thome Southsea. we bro. Witham odling F.R.S. etc: di: Professor.

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GALTON PAPERS

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Common terms of kinship.	Exac briefly	et kinshi y phrase	d. who viv	red motor	of the vorthy.	Exac	ct kinship y phrased	i. wh	Ived	tials of the oteworthy.	Regr.	Title.	Full names of those whose initials appear in the preceding column.
or Knisinja	Regr.	Title	. chi ho	ld- od.	toriny.	Regr.	Title,		hild- ood.	oreworthy.			
Grandfather Grandmother .	1 2	fa fa fa me				3 4	me fa me me		- R	m.	5	Ja	George Bruckton.
father	5	fa me	1000	- gB		1.1	12		-		11	bro	Woodger merricks Buchit
Jucles	7 8	fa bro fa si	?	14		9 10	me bro me si						
Brothers	11 12	bro si		Wm	ß	I I	=		- 1		3	me fa	Richard merricks
falf-brothers falf-sisters	13 14	fa son fa da	0			15 16	me son me da				29	So	Willian Woodyer Bucketon
Vephews Vieces	17 18	bro son bro da				19 20	si son si da				30	da	alici mary Bucketon
first cousins Male	21 22	fa bro fa si s		7		23 24	me bro a me si si	2.32	AKR.		30	da	Eveleen Brucketon
First cousins Female	25 26	fa bro fa si c	1000			27 28	me bro d me si d				0	de	
			No.	(Cast)			2		Wife's broth	ers and sisters.		we bro	William Odling
	Regr.	Title.	who sur- vived child- hood.	Initials of the note- worthy.	their m	n name o other, yo vife.	our h	ar of ter tinge.	Titles.	Initials of the noteworthy.		fa bro d	a da Elsie Day
Sons ,	29	50		W.W.B.	od	ling	18	65	Wi bro	wo.		la bro	da da Euma Day
Daughters .	30	da	(0.416-Y)	amB E.B.					da Hu bro da Hu si			adar	0
Sons	29(2)	so(2)							so(2) Wi bro so(2) Wi si				he was a set of the set
Daughters .	30(2)	da(2)		Sec. 2	1				da(2) Hu bri da(2) Hu si			1982.74	

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f.95+ PAPERS May 10 1904 higher getton Sam afraid I have Kept-you willing for the Euclosed a very long time. you will see I can only name me Any relation among the noteworthy dan . and you, with whole The discretion Mate, May not cousider that he ought to be unduded. He was 4th in the assured

1843. Seeing that he had had no School advantages at all it was a counderable Maformance - The had been taught by Ir kennedy as Siford and Drille were who herded that but he might have been a formudable uoal - Ac deid un 1865\_. My sous are what you would call expattle une but I cannot say they have

done thing noteworthy anyt. error in your table. you say al bottom of the upt hand column " Wife, brothen auch sisters - how if for untance any fucy dullan were in the noteroothy day their relationship to my wife, brother 4c, or to her father of Mother Mude and aunt would be for your

purpose equally unfortant with the coursponding Heletulups on my side. But the delade of that column are "sous cooper brother VC not worker brolling - how of one of my sous had married knolous or Shakespeare, Suter what has that to do with the the Proposities : It wight affect source of they graudchildren doubting - but your table has not of course go a far as grand children -

May 12 1904 Mylin gillou GALTON E A you require sous woofe brother te for the purpose you mention - namely the montifition whether on nor Scientific fruitin tak to mlermarry - you will ilso require sous wife or haughters putound -If so it will not be

F.97V superfluous of Mention that one duy haughter is the wife Mapland Jackson R. n. Buch he being now 7. R. Su within your althe of noteroothy people. buy sincerely your S. H Burbury

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75

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F.981

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FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W.

64, BANBURY ROAD, OXFORD. Spt. 19.1904 both time 2 sparts 2 many apologies for delay J.B.J.

NOTEWORTHY KINSFOLK OF Ju J. Burdon Sanderson, Bast, JRS. ("WHO'S WHO" contains all that is wanted concerning yourself.)

f.100r

\*\*\* WRITE AT FIRST PAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

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FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W. 4.100V

f.101 . noteron they facts relating to the passes name below. - Sir Thomas Burton P. \_ Roughted in Consideration 1 fa fa of his Lorrices in quelling a not which occured among the hechnen on the nice I gre. He was Leveral times hayon of hew castle 2 fame dady Burdon, nea Dame Serte, Sister of Lad Chancella Udan Land Strade 3 mefa . Sir James Sandason Bart. M. P., Lord hajor of London. A Succeppel merchant. Richard Burdon Sanderson. Graduated 5 fa. prit claps at Drieb College, Dx ford, of Which he was afterwards a Fellow. Obtained the hersdijate Izize & The English Usay prize. 11 bro. Richard Burdon Sounderson - An a chie majorate. The first promoter of the "Con eihation Board" of Coal Monors & Colliers at her caste on Syne, and The first Reformatory in horthumberland 19 Si Son - Right How Richard Brow Haldane P.C. H.C. h.P. anten of the dife Jadam Smith. Papers mitte Education, "The patternay to Reality de:

f. 102 9 19. Si Son John Scott Haldane M. B. F. RS. (Lee his own return). 19 .... William Stowell Haldane - Wale to the Signet. a Succeppel Edinburgh Carryon 20 fi. da. Alizabeth Sanderson Haldane. anthoneps of the Life of Pastepor Veries. Ranslater of Lelectrons from Hegel Le. An active promoter of Educational propet, of improved Poor law administration and Similar objects in Scotland. with Farrer, First Barn. Herschell

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### ABILITY IN FAMILIES.

By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

The object of the inquiry is to ascertain the frequency with which Ability, as indicated by High Success, is distributed among the members of a family; how far it is sporadic and how far it seems to be hereditary or else traditional. The replies will add to our knowledge of some of the main causes of evolution : one of these is the coefficient of mental heredity, another the inclination or otherwise of persons to mate with their like or unlike, another the fertility of the mentally exceptional in various degrees, including their tendency to be celibate, or to marry early or late.

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FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W. 4.1031

### NOTEWORTHY KINSFOLK OF

FOLK OF Reperson J. J. Bash, JRS. ("WHO'S WHO" contains all that is wanted concerning yourself.)

noletter

f.tr

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FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W. f.lv

f. 2r A COLLEG GALTON CAL 25 munt araral Road NOS NOS Richmond Sundy June 13 1904 Otar hur fallon I have filled in your examination paper to the best of my knowledge thehef 4 return it with explanatory details of the 4 relatives particularised. my more immediate relatives have been much the most intellectually distinguished amongst these within the degree of profinguty in Jur list. Several of my fathers brothers were compressions locally

for brdily strength & success in highland sports; but they lived before athletics were taken so serunsly as they now are I whether they had it had not the natural gifto of a University "blue" I do not know. as to whether the relatives specified were (or and ) of FRS. standing I cannot say, because there seem to me many grades of ability amongst t. R.S. & I do not know what wake you may attach to extreme capability in one narrow line, which is the most that can I think be claimed for some FR.S.s, as compared to general Capacity & prover in a number of directions. my father & brothers

were, lete myself, not naturally specialisto, but capable of distinguish. my thenselves in a number of different lines. I chould perhaps explain that at aberdeen in my brothers some every arts shedent had & take Classies, mathematics & Mysics, Philosophy, English & hatural Arshon; & occasionally an indurdual managed & take prizeo in all or nearly all of the subjecto. of any points require further Saplanation you will doubtless infirm me. you very truly Chree GOLLEGE ALISE ONTON SC.

Parhenlass 5. fa. Hon. D.D. of aberdeen University. For many years Clerk to Prestylery of meyle, & Convener of Committee for examining Dibrity Students in St andrews Unwessely. Had considerable reputation in Church of Scotland for general Scholarship & especially for knowledge of Hebrew. 11 W.C. Eldest brother after graduating with 1st class mathematical Amous in aberdeen University oftamed a Fullerhon mathe scholarship (only one annually). In addition to proges in mathematics & Plupics at aberden had also prizes in Latin, natural History & moral Philosophy. Had exceptionally bulliant curse in dair in Edinhugh University being either first or second prizeman in Scots Law, Conveyancing, Civil Law, Public Law & Constitutional Arrhy. Prachees as advocate at Seatch bar. 11 a. B. C. died yning, but graduated at aberdeen Unwersity with first class Honorins in mathematics obtaining pecieles prizes in mathematics & Physics, prizes in Latin, "moral Philosophy & hahiral History. 12 Si. as a gort obtained two prizes & housens in al least four subjects in the Edinhugh University Everal Graminations (French, Logie, Latin, Physico).

## NOTEWORTHY KINSFOLK OF D. Chree, step.

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and marriage.	Sons Daughters .	30(2)	so(2)						50(2) da(2)	Wi bro Wi si Hu bro Hu si				

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By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

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FRANCIS GALTON. 42 RUTLAND GATE, (S) LONDON, S.W. (5 v

f.6 PAPERS SHELSLEY, **KEW GARDENS.** 29. 11.1904 Dew h. Gallon Pardon my having put on our side your first circular. I had not forgotten it, but I felt and still feel the great difficulty of appraising the intellects of relations! I think That the fouriers & reputations actually achieved are generally hunded by conditions which it a impossible & Estimate. In the legal profession, for mehance, no Soution 2qual & that open to barristers. and then there is The important influence of the

necesif of making a living yours succes attflurch GALTON PAPERS COLLEGE LOND

NOTEWORTHY KINSFOLK OF Corthur Horber Hurth

("WHO'S WHO" contains all that is wanted concerning yourself.)

\*\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

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nd m	Daughters .	30(2)	) da(2)	1			A Cash & AND				Husi					

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FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W. Arlhun Herber Church, (1834) M.A., D.Sc., F.R.S., F.S.A., Professor of chemistry Royal academy of Arts since 1879; also rf discoverer of turacin, churchiten & other new minerals; president of the royal Mineralogical Society, 1898-1901; author of various works on english pottery & porcelain, on freedows of on food, & on the chemistry of paints & painting [Who's Who]

OLL

bro Henry Francis Church. (1824-1899) solicitor, chief clerk in chancery ; & Master of the High Court of Judicature. bro Alfred John Church, (rev.)(b.1829), sometime head-master of Henley & of Retford grammar schools; proffessor of latin at Univ.Coll.London, 1880-1888; prize poem on sacred subject Oxford 1883, author of various works dealing with classical subjects. [Who's Who]

<u>fa sida son</u> Sir John Robert <u>Seeley</u>, (1834-1895), K.C.N.G., professor figst of latin at Univ.Coll. London & afterwards of modern history at Cambridge; published in 1865 "Ecce Homo" a work which attracted immediate attention & provoked a storm of controversy, also vorks on history & pc tical science. (Dict.N.Biog.)

13 Kew Gardens Road Kew Survey 2 May 1904 Survey form duly filled up. I should be glad to assist jour investigation in any way I can and to answer any question you put me. Certainly none star for of my kinsfolk have been noteworthy in such a way as to justify my making any entry on your form. At the same time, I think few familie, illustrate the principal of inheritance more strongly than In my judgment my "me fa" was a very whushal man; he was an obscure man who we do cived all his life in a humble manner in a small remote vollage. His chucation had been very narrow; but he had a clear grasp I the formciples of political economy and his own views of political history. Whenever he appeared at any consider the gathering - as a hunt or a cricket-match - he was received with a respect and admiration that impressed me (as a child of 7 or 8 years ) age with all I may mention (though not bearing exactly on the point you are now on that myself and brother (two now dead) we all enactly alike. We are the same light within an = th of an inch. We all can do the same things, and go on in the same way. We compting the one who died young) can all play chess so as to R alle to face a professor Though we give hardly any time to it; we can all play whist like the men who play at

the first take of a play club (though we "low hardly ever play ] = we can all easily grasp mathematics (in to a point); we fail at languages and mental philosophy; we have very little orginality (in any thing) and no enterprise your's with esteens C. B. Clarke 70 Francis Gallin F. R. S

## NOTEWORTHY KINSFOLK OF B. B. Blarke, Bog., HP.D.

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f.llr

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Common terms of kinship.		t kinship phrased	l. who s	Initials		Exac	et kinship y phrased	why with	YCU	itials of the oteworthy.	Regr.	Title.	Full names of those whose initials appear in the preceding column.
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Sons Daughters .	29	30			1				so Wi bro so Wi si da Hu bro				
	30	da					1		da Hu si	12			
Sons Daughters .	29(2)	50(2)						1	so(2) Wi bri so(2) Wi si da(2) Hu bi				
Daughters .	. 30(2)	da(2)							da(2) Hu si			1000 Kalla	

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Sin P.S Clarke f,12r I cannot have any woth writing Watur arthur the hinds of relation ship dealt with in the Table. Several much of my family have my gow allties; but have hardly une who to the Handand laid down. I I have any spicial ability I shared say that it is down through my palinal grande other when family his tyduchames produced service noticonting hope, & pour my matinal (1) grand fallen & 121 grande other. (1) was a mayor & his hotan two trus Loten mayar doreph mayor, who an both ting, dans a "un writen". The

former is provabry the priales clamic in this coming, 9 the latter is not for boling hin . " (2) my grandustin was a my cababa worman I have nother was a Cooper. The curper fundy has produced some proper of mark inducting tim port. Gr. Clarks.

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17 NOTEWORTHY KINSFOLK OF Sulfenge Sydenham blarke, R. t. Kome, FRS ("WHO'S WHO" contains all that is wanted concerning yourself.) \*.\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN. bro = brother; da = daughter; fa = father; Hu = husband; me = mother; si = sister; so or son = son; Wi = wife. fa bro ton means "MY father's brother's son IS"; me da means "MY mother's daughter IS"; so Wi bro means "MY son's wife's brother IS"; &c. Exact kinship briefly phrased No. who sur vived child-hood. Exact kinship briefly phrased. No. who survived child-hood. Full names of those whose initials appear in the preceding column. Initials of the noteworthy. Initials of the noteworthy. Common terms of kinship. Regr. Title. Title. Regr. Title. Regr. Grandfather . 1 fa fa 3 me fa Grandmother 2 fa me 4 me me Father . . . 5 fa Mother . . . 6 me -PAPERS Uncles . . . . fa bro me bro 7 9 8 fa si 10 me si Aunts . . . . bro Brothers . . . 11 si Sisters . . . . 12 fa son Half-brothers 13 15 me son Half-sisters . . 14 fa da 16 me da Nephews . . . bro son si son 19 17 si da Nieces . . . . bro da 20 18 First cousins . . 21 fa bro son 23 me bro so me si son Male . . . fa si son 24 22 First cousins . . 25 fa bro da 27 me bro da Female . . 26 fa si da 28 me si da Wife's brothers and sisters. Initials of the note worthy. Maiden name of their mother, your wife. Year of her marriage. who su vived child-Regr. Title. Initials of the noteworthy. Titles. riage. so Wi bro Sons . . . 29 30 so Wi si da Hu bro Daughters 30 da da Hu si Ħ marriage. so(2) Wi bro 29(2) 50(2) Sons . . . o(2) Wisi da(2) Hu bro Daughters . 30(2) da(2)puz da(2) Hu si Gr. Clarker. 49. annu man. Ler. Signature and Address of the Sender

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Please address the completed results thus, not omitting a large and very legible S in brackets, in the bottom left-hand corner :

FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W.

f.14 Cletand ) 2 The University 27 "June GLASSOW 27 1904 Dear lig Hun wing that que han taken the trouble of surry M. a second line whis I for Ochedules of noteworth Hendred. Aut of sulfact for the worthings of on motions I shared have almo to have pleand you, but I cannot agree with you terts & When orthing, I spel that to the write obtom artimetes of the Characters of My relating und be lit patele & mapoher. Japan que that I repet bein Major to di appoint one alum D Rolling great Wheet flor of sincered Maris Galta Grands Min Colland

#### Groges nos J. norman bollie, FRO. ("WHO'S WHO" (contains all that is wanted concerning yourself.) Kindly send further particulars. \*\* Write at first faintly in pencil; correct leisurely in concert with members of your family: when satisfied, ink in. bro = brother; da = daughter; fa = father; Hu = husband; me = mother; si = sister; so or son = son; Wi = wife. fa bro son means "MY father's brother's son IS"; me da means "MY mother's daughter IS"; so Wi bro means "MY son's wife's brother IS"; &c. Exact kinship briefly phrased Exact kinship briefly phrased. No. who sur vived child-hood. No. who sur vived child-hood. Full names of those whose initials appear in the preceding column. Initials of the noteworthy. Initials of the noteworthy. Common terr of kinship. Regr. Title: Title Regr. Title. Regr. Grandfather . 1 fa fa 3 me fa Grandmother 2 fa me 4 me me 12. Susan margaret Collie . Father fa 5 Mother 6 me \_ 4. Susanna Winkworth. 3 me bro 3 Uncles . . . fa bro 9 7 Aunts. . . 8 fa si 10 me si 4 3 SW and CW 4. Catherine Winkworth. 3 Brothers . . 11 bro 12 si Sisters . . . 1 SMC fa son 15 me son Half-brothers 13 me da 16 Half-sisters 14 fa da si son Nephews . . bro son 19 17 bro da 7 si da Nieces . . . . 18 20 3 First cousins . 21 fa bro son 23 me bro so 1 me si son Male . . . fa si son 24 3 22 1 me bro da First cousins . 25 fa bro da 27 1 28 me si da 2 Female 26 fa si da 3 Wife's brothers and sisters. Maiden name of their mother, your wife. Year of her marriage. Initials of the note worthy. vho su vived child Regr. Title. Initials of the noteworthy. Titles. so Wi bro rriage. Sons . . . 29 so Wi si da Hu bro Daughters 30 da da Hu si triage. so(2) Wi bro Sons . . 29(2) 50(2)

Signature and Address of the Sender

30(2) da(2)

Daughters

puz

NOTEWORTHY KINSFOLK OF

John NormanCollie ,

so(2) Wi si da(2) Hu bro

da(2) Hu si

16 Campden grove Reusing ton London W.

#### ABILITY IN FAMILIES. By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

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FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W.

John Norman Corie . (further particulars about)

Was born 1859. Educated at Charlichouse and Clifton College. Obtained Science scholarship at Bristol University College. For Three years assistant to Proj Letts, Queens College Belfort. Studied chemistry for one year at Wingburg Bavaria, Taking The degree y PhD in Chemistry.

The degree of PhD in Chemistry. Lectures on chemistry for four years at the Ladie College Chellenham Assistant for nuce years to Prof Si W Ramsay University College Lad Prof of chemistry at the Pharmaceutical office Pritain London. for six years. Since them Prof of organic chemistry at University College London.

Fellow of the Royal Society. Fellow of the Royal Geographical Society (member of corneil.) Fellow of the Royal Geographical Society (member of corneil.) Fellow of the Royal Geographical Society (member of corneil.) Fellow of the Prestitute of Chemistry. Fellow of the Frestitute of Chemistry. Fellow of the German Chemical Society. Member of the Alpine Club (have been on the Corneil.) How member of the Auserican Alpine Club. Corresponding member of the Appalachian Mountain Club. Member of the Cancasus (mountaineering) Club. Member of the Scottick Mountaineering Club.

author of-" Climbing on the Hundaya and other mountain Rango". Joint author of - "Climbing and Septoration in the Canadian Rockies". Have contributed many papers to most of the above mentioned societies and Chels - The Subjects being chemical, or on mountaineering, or on Septoration.

f.16

12. (Sister) Susan Margaret Collie. BA London University. Head mistress of Bedford High School for firls.

4. (mother's Sister) Susanna Winkworth. Was one ofthe first to start model lodging houses for the poor in Bristol & Else where. Helped Baron Bunsen in translating his works into English.

4. (mother's sister) Catherine Winkworth. authores of Lyra Germanica - etc.



1,17

# NOTEWORTHY KINSFOLK OF D! I Monckton Copeman FR.

("WHO'S WHO" contains all that is wanted concerning yourself.)

F.18r

\*\*\* WRITE AT FIRST FAINTLY IN FENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN.

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				No.	Initials		en name of	Vear of		others and sisters.			
		Regr	. Title.	who sur- vived child- hood.	of the note- worthy.	their m	other, your wife.			Initials of the noteworthy.			
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FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W.

Local Gobernment Board, Whitehall, S. W.

Coheman

la. fafafa. Peter Coplinain Founder of Copriman's Bank al Azlaham Norfolk - (now unerportering Bardays.) Incarpe Merchant-5. fa Artun Charles Coplinan MB Lond: fold medallist in Anaton & Physiology. In wers for doz. In Aring Manuterorie more for the the there & became How: Canor of Nonrice Cakedral. for many years Chairman formors of Norfolk Monrie Hapital Laarman J Nowrich Schoolboard & Brand offician 7. fa 620 Edward Copeman Md: Aberdun. President of the Wow hat Medical Assoc " Physician blaker, Granth Thypician o Norfock L Nource Hospital - Antha Zin ventor of proceological instruments. COLLEG GALTON PAPERS July 12 72024.

f.19

MA: (Lamb.) Sydney Monckton Copéman, F.R.S., M.D., F.R.C.P., medical inspector H.M. Local Government Board; member of cuncil epidemiological soc.; research scholar & special commissioner Brit. med. Ass.; member of many gold medals & prizes of importance. (Who's Who) with high star Robert.

fa fa fa <u>Peter Cpeman</u>' founder of Copeman's bank, Aylsham, worfolk (now incorporated with Barclay's); successful merchant.

Arthur Charles Copeman, M.B., Londom; Gold medallist in anatomy & physiology university of London. entered Army med.serv. on nomination of chancellor of the university subsequently entered church & became hon. Canon of Norwich Cathedral. For, many years chairman of governors of Norfolk & Norwich Hospital, & of Notwich school-board & board of guardians.

F.R.C.P. fa bro <u>Edward Copeman.</u> M.D., Aberdeen. President of Brit. med. Ass.; physician, & later, consulting physician to Norfolk & Norwich Hospital.author, & inventor of gynaecological of special instruments of unthods of operation.

6.20

NOTEWORTHY KINSFOLK OF

Progenon g. H. Cotterell, FR.

("WHO'S WHO" contains all that is wanted concerning yourself.)

\*\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

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f.210

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FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W.

Noteworthy Kintfolk 5, fa. Joseph Cotterill 3<sup>th</sup> wrangler. Fellar at St. Johns College Cambridge. 7. failer Thomas Cottenill Eminent Clargg man at Sheffield 6. me. grand daughter of 21. fa. bro. to. Themas Cottaill Professor James Simsar of flatgone Third wrangles fellow of 11. bro. Joseph Marthland 5t. Johns Cambridge. One of the carliest members of the D. D. Chonon's Canta). St Andrews University Loudou Mathe matical Society to which he contributed 13. fa. ton Henry Cotterill many hapens of importance. Seniar Wirangler . 2nd Classic fellow of St Johns Cambridge after. -wards Bithch & Edinburgh 17. bro. 201 . Joseph. U. Cottenill Eniencut Surgeon at Edinburgh GALTON PAPERS noted cricketer as a found man. 17. bro 201 A Man Cotterill Head of Permanent Was Department Esyptian hailwas Administration, 17. Hovo. tom. 1" in the 2nd class Classical Infor Cambridge Author + Editor of various literary (Signed) James & Cotterill Brachide Sheldhurt warks. Kent

James Henry Cotterill, (b.1836) F.R.S., lecturer & subsequently vice-principal of the former Royal School of Naval Architecture S.Kensington; Prof. of Applied Mechanics at the Royal Naval Coll. Greenwich, 1873-1897. (Who's Who) fa Joseph Cotterill, 8th wrangler, 1808; ;fellow [Graduati Cantaliquenses] of St John's Coll.Cambridge. fa bro Thomas Cotterill, eminent clergyman at Sheffield; A.B., Cambridge, 1801. [Grad. Cant,] bro Joseph Morthland Cotterill, D.D. (hon.causa) St. Andews university. fa son Henry Cotterill, Seniar Wrangler, 1835; 2nd Classic fellow of St John's Coll. Cambridge; bishop of Edinburgh. [Grad. Cant.] bro son Joseph M. Cotterill, (b.1851) surgeon to Edinburgh Royal Infirmary, ledturer at Edinburgh school of medicine. [Who's Who] bro son Arthur Cotterill, head of permanent way dep. Egyptian Railway admistration fa bro son Thomas Cotterill, 3" Wrangles, 1832; fellowof St John's Coll. Cambridge. one of the earliest members of the London Mathematical Soc., to which he contributed many [Grad. Cant.] papers of importance.

1.23

TELEORAPHIC ADDRESS, "CROOKES, LONDON."

7. KENSINGTON PARK GARDENS, LONDON, W. July 6th, 1904.

ILLIAM (ROOKES, ERS

F.24

F.Galton Esq., 42 Rutland Gate, S.W.

My dear Mr. Galton,

I have received circular respecting "Noteworthy Kinsfolk" and afte studying it for some time, I do not see that I can make a single en--try in it that will be of use to you.But rather than appear to dis--regard your wishes I will tell you how I am situated.

FROM

I can find no trace of such eminence in any of my ancestors as would bring them up to the standard you fix--a standard which is a perfectly reasonable one. With the exception of a younger brother who died when he was 21, and who was a clever mathematician and phyrsicist, and who would certainly have made an eminent name had he lived,--with this exception I am what botanists would call a "sport". From my earliest recollections I was always trying experiments and reading any book of science I could find. A little older and I fitted up a cupboard as a sort of laboratory and caused much annoyance and trouble in the house by generating smells and destroying furniture. I don't suppose any of my family even knew the meaning of the word "science", and I was always regarded as a bit of a fool who would nerver get on. It is a great satisfaction to me to think that my parents lived long enough to change their opinion, and to feel proud of the reputation I was making.

My father had 5 children by his first wife, and 16 by his second wife, my mother. I am the eldest and only survivor. I have seven TELEGRAPHIC ADDRESS, "CROOKES, LONDON."

TELEPHONE Nº 555, PADDINGTON.

7. KENSINGTON PARK GARDENS, LONDON, W.

SIR WILLIAM (ROOKES, ERS.

f.25

children who survived childhood. One has since died. Of those who are left I consider one is quite up to the R.S. standard. He is a civil engineer.

FROM

Pray excuse this long letter, which doubtless contains much that is irrevelant. If you still think it is worth while filling up the form with ciphers and blanks I will do so.

With kind regards, believe me to remain, very sincerely yours,

Milliam Crooker.



f.265 NOTEWORTHY KINSFOLK OF Le. bolonel D.D. Bunningham, CI.E. Jes. ("WHO'S WHO" contains all that is wanted concerning yourself.) \*\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN. bro = brother; da = daughter; fa = father; Hu = husband; me = mother; si = sister; so or son = son; Wi = wife. fa bro ton means "MV father's brother's son IS"; me da means "MY mother's daughter IS"; to Wi bro means "MY son's wife's brother IS"; &c. No. who sur vived child-hood. Exact kinship briefly phrased. Exact kinship briefly phrased No. who sur vived child-hood. Full names of those whose initials appear in the preceding column. Common term of kinship. Initials of the noteworthy. Initials of the Title. Regr. noteworthy Title. Regr. Regr. Title. mE fa. D.D. David Douglas. 3. Grandfather . . I fa fa 3 me fa Grandmother 2 fa me 4 . Itte Mit Father . . . 5 fa Mother . . . 6 me Uncles . . . . 7 Ja bro 9 me bro 8 fa si 10 me si Aunts. . . bro. Robert Olivis Cunning 11. R.O.C. 2. bro Brothers . . II Sisters . . . . 12 si Half-brothers 13 fa son 15 me son Half-sisters . . fa da 16 me da 14 Nephews . . 17 bro son 19 si son 18 bro da 20 si da Nicces . . . . First cousins . 21 fa bro son 23 me bro so Male . . . 22 fa si son 24 me si son me bro da fa bro da 27 First cousins . . 25 fa si da 28 me si da Female . 26 Wife's brothers and sisters. Initials of the note worthy. Maiden name of their mother, your wife. Vear of her marriage. Regr. Title. Initials of the noteworthy. Titles. so Wi bro Sons . . 29 50 so Wi si da Hubro Daughters da 30 da Hu si so(2) Wi bro marriage Sons . . . 29(2) so(2) so(2) Wisi da(2) Hu bro Daughters . 30(2) da(2) Ind da(2) Hu si Duvid Dorylas Cunninghave, Tomount, Jorquery. Signature and Address of the Sender

#### ABILITY IN FAMILIES.

By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

The object of the inquiry is to ascertain the frequency with which Ability, as indicated by High Success, is distributed among the members of a family; how far it is sporadic and how far it seems to be hereditary or else traditional. The replies will add to our knowledge of some of the main causes of evolution : one of these is the coefficient of mental heredity, another the inclination or otherwise of persons to mate with their like or unlike, another the fertility of the mentally exceptional in various degrees, including their tendency to be celibate, or to marry early or late.

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Noteworthiness.—" Noteworthy" successes are those in any vocation whatever, that in the opinion of the compiler are of a rank not inferior to that which the Fellowship of the Royal Society holds among men of science. The weight ultimately to be assigned to each recorded success must be entrusted to those who will statistically discuss the replies. Minor achievements of persons who are still too young to have achieved any "noteworthy" success deserve record.

As women can rarely display their full abilities, it is necessary to take into account the hereditary significance of the successes of the brothers (and sisters) of all female ancestors. Inquiry is therefore made as to "noteworthiness" in these. To secure equality in statistical treatment, the same course is adopted in respect to the male ancestors also.

For want of space, the forms for the four kinds of great uncle are omitted, namely, *fa fa bro*, *fa me bro*, *me fa bro*, *me me bro*. Similarly as to the great aunts. If any of these should be noteworthy their names may be entered in the third column, preceded by their proper titles. So may grandchildren. Eminent kinsfolk in still more distant degrees can be added in the like way, if thought desirable by the compiler. The noteworthy names should be written successively in the third column in any convenient order. There will be ample space to hold them all.

The number of kinsfolk in each degree who survived childhood is wanted as a clue to the intensity with which ability (as indicated by success) characterises each family.

A separate paragraph on fresh paper should contain the noteworthy facts relating to each person whose name appears in the last column of the schedule. These paragraphs should be written consecutively, and the heading of each should consist of the Register number, the Title, and the full Name of the person to whom it refers, transcribed word for word from the last column of the schedule. Each paragraph should be as brief as may suffice to give a just idea both of the *quality* and of the grade of ability in the person referred to. Thus the mention of a high success in one branch will render those of minor ones in the same branch unnecessary, on the principle that the greater includes the less. But if the record of any minor achievements testifies to success in different pursuits and therefore to the possession of general ability, they should be included. Also such as may testify to precocity, to slow development, or else to persistence of effort.

The following imperfect list of successes may possibly be useful in suggesting what might otherwise have been overlooked.

Youth.—All high competitive successes at school, college, or elsewhere, such as the greater exhibitions, scholarships, fellowships, foremost places in University Class lists, or in examinations for appointments of any kind. Only two or three of the more important of these need be given. The captainship of a notable athletic team may deserve record.

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Authorship of valuable memoirs, books, inventions, &c.

Awards of titles, medals, honorary degrees, &c.

Biographical Notices in standard publications.

By accepting the mere title of F.R.S. as a noteworthy distinction, a body of nearly 500 men is at once determined, to whom these circulars will be sent in the first instance. The Fellows of the Royal Society are, as a class, more likely to be interested in this inquiry than others, their answers are sure to be brief and appropriate, and they are eminently qualified to offer useful suggestions. Such suggestions would be warmly welcomed as the scope of the inquiry will probably be hereafter extended. Moreover, the Fellows of the Royal Society are linked by frequent co-operation and mutual acquaintanceship, which renders it comparatively easy to obtain supplementary information when wanted.

Please address the completed results thus, not omitting a large and very legible S in brackets, in the bottom left-hand corner :

FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W.

L. 3. me fa. David Douglas. Judge (Lord Reston of the Scottish Court of Sussion). adopted son and heir of his father's first cousion Adam Smith where mother was margaret Dorylas.

11. 11. 620. Robert Oliver Gunningham.

haturalist on H.M.S." hassau" during the Survey of the Shaits of Magellan 1866 - 9. Professor of halural History in Belfast for over 30 years. F.L.S., F.G.S., C.M.Z.S.



f, 27

F.28r D. Hunningham dinburgh Both sides of the family very common place in the way of ability Except in two notuble Exceptions vizain. 1. Father - John funningham, D.D. d. L. D.; a leader in the Scottish Church, a Williant debater F a distinguished theologian & literary man. Principal of It marys Jollege, It andrews University. 2. Father's mother's brother's son. John funning (N. B. Father's mother & Father's father were both Cunningharms but not related) a merchant in Leville in Spain. Fook a very leading position &

was a man of much influence. acted as longul pr U.S.a. amana a large fortune twas Knighted howen sabella. 3. Factures mother - Fane furningham was a woman omuch force of character het not vemarkable for any special ability mother's mother- Susan Porteous. 4. a quick, clever, querulous + dominusing person: the any family that Iknow of as having, been noteworthy prability. 5. Son- John Junningham - Seens topossess considerable ability. Has had distinguished under. graduate career in Frinty allege Dublin.



The Orchard, Huntingdon Road, Cambridge.

aug 7. 04

I'm song I've

Dear Gallen, 1 seturn the

pater.

been so.

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will be just the same as a he well here

Searjes

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) shall do it.

I have made one on two suggestion, but. dint suppose they are any good. Low Sureny Hence Darwin F. Galten EngERS. 42 Rultond Salt Srw.

filv

					(" WHO	's Who	o" conta	ains all th	hat is	wante	ed concerning	g yours	elf.)	la n
		*.* V	VRITE A	T FIRST F	AINTLY IN PE	NCIL; COR	RECT LEI	SURELY IN (	CONCER	r with	MEMBERS OF	YOUR FAI	dily: when	SATISFIED, INK IN.
	fa	bro son			and the second						ner ; <i>si</i> = sister er IS"; <i>so Wi</i>			= wife. wife's brother 15": &c.
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d marriage.	Sons Daughters .		so(2)						so(2) da(2)	Wi bro Wi si Hu bro				
2md					the Sender		01	1	1490	Hu si	rin (			

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FRANCIS GALTON. 42 Rutland Gate, (S) LONDON, S.W. Regr. Tille

So

29

Wifa

Wi bro

(matternatics) Evasmus Darwin & hubiting, Thinity college Cambridge. Second clars (Senier Optime) in his second year; how queris on wette a second Tripos. The date dord Famer, sen many sears Permanent Secretary at the Board & Thade dord Famer (T.C. Farrer) Director of the Railway Companies midland Railway & several others, Joint Cultur with 2. Forwell of "Express Trans

English & Foreign".

Hurace Darwin

Would not this be answered by setting particular (a) of Wifa Wibro. ?

(b) "Third column" seems hardly clear.

notes

- (c) This applies only to aslamm XX. O.
- (d) "last astumn", astamm L.
- (e) "Wisse's brothers and Sisters" coming just above so Wibro is a tittle confusing.



4.4

## · NOTEWORTHY KINSFOLK OF Horace Darwin, 629. 4.10.

("WHO'S WHO" contains all that is wanted concerning yourself.)

f.5r

\*\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN.

Common terms of kinship.	Exact kinship briefly phrased.			sur- Initial	s of the	Exac briefly	t kinship phrased.		itials of the oteworthy.	Regr.	Title.	Full names of those whose initials appear in the preceding column.		
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12.			· · · · ·	1					100					
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				No.	194					ers and sisters.	1e)	see nete	the Party and the	
		Regr.	Title.	who sur- vived	Initials of the note-	Maid their n	en name o other, yo	ur her		I win en	(-).	e de la com		
	1454 F	M	N	child- hood.	worthy.		wife.	marriag	c. Titles.	Initials of the noteworthy.				
Ist marriage.	Sons	29	50			1			so Wi bro					
marr				The new					so Wi si da Hu bro					
Ist	Daughters .	30	da			123			da Hu si	htering an				
iage.	Sons	29(2)	30(2)					- Proving	so(2) Wi bro					
and marriage.	Daughters .	30(2)	da(2)			-		1000	so(2) Wi si da(2) Hu bro					

Signature and Address of the Sender

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FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W.

(a)

(6-)

# NOTEWORTHY KINSFOLK OF Progenon g. H. Darwin, the

("WHO'S WHO" contains all that is wanted concerning yourself.)

\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

and funder       Regg       Title       Adds       Interesting       Arge       Title       Adds       Interesting       Arge       Title       Adds         anadhaubher       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1 <th>Co</th> <th>ommon terms of kinship.</th> <th>Exag</th> <th>et kinshi ly phrase</th> <th>ed. who viv</th> <th>No. to sur-</th> <th>Initials</th> <th></th> <th>Exar brief</th> <th>et kinsh fly phrase</th> <th>sed. wi</th> <th>No. who sur-</th> <th></th> <th>tials of the</th> <th>Regr.</th> <th>Title.</th> <th>Full names of those whose initials appear in the preceding column.</th>	Co	ommon terms of kinship.	Exag	et kinshi ly phrase	ed. who viv	No. to sur-	Initials		Exar brief	et kinsh fly phrase	sed. wi	No. who sur-		tials of the	Regr.	Title.	Full names of those whose initials appear in the preceding column.
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By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

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FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDO

LONDON, S.W.

4. 11. 1904

Boyd Drivkins

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PAPERS

ability in Families

My dear falter,

Unfortunately none of my Jorehears within your lisits

have done anything worthing

of record. I can howen trace

what little ablity I have

to my mother in the ford,

and my father whe second place.

as is the case with mont

heple,

I an my den falte yours truly W. Bod Daulin,

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Frances faller T. K.S.



Lord Davey

## THE ATHENÆUM,

PALL MALL.S.W.

July 7 1904 Dea, My Galton I am fory to Day that I kleng to too a faculy Which. Counting distinguished members - I am kusbatherefor I and any Contribution Inraido your statiched Collidian . Your any huly

Davey

# NOTEWORTHY KINSFOLK OF D? H. Debus, JRS.

("WHO'S WHO" contains all that is wanted concerning yourself.)

f. 10r

\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

Common terms	Exact kinship briefly phrased.		No. who sur- vived	Initials		Exa brief	ct kinship ly phrased,	No who viv	sur-	Initials o		Regr.	Title.	Full names of those whose initials appear in the preceding column.
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Half-brothers . Half-sisters	13 14	fa son fa da				15 16	me son me da							PAPERS 50
Nephews Nicces	17 18	bro son bro da	63			19 20	si son si da							
First cousins Male	21 22	fa bro son fa si son	10000			23 24	me bro soi me si son							
First cousins Female	25 26	fa bro da fa si da	9			27 28	me bro da me si da	1	5					
			No.	Initials	Maid	en name	of Year		Wife's	brothers and	l sisters.			
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no Celler

Signature and Address of the Sender AMW Downing - 3 Gronnille Park S.E.

so(2) Wi bro

so(2) Wi si da(2) Hu bro

da(2) Hu si

narriage

Sons . . .

Daughters .

20(2) 50(2)

30(2) da(2)

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FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W. f. IIv

Dupre 2. Edinburgh Mansions, Howick Place,

Westminster. S.W.

F.12

D.<sup>R</sup> A.Dupré, F. R.S. ANALYTICAL & CONSULTING CHEMIST.

TELEPHONE Nº 1870 VICTORIA. TELEGRAMS, DUPRESIS, LONDON."

Sondon! May 5.04.

Dear Sir

I greatly regret that I am unable to give you the particulars you asked for, in your circular.

Yours faithfully A. Supri



no letter NOTEWORTHY KINSFOLK OF Figure Edward Divers, M.D. HRA. no letter ("WHO'S WHO" contains all that is wanted concerning yourself.) \*\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN. bro = brother; da = daughter; fa = father; Hu = husband; me = mother; si = sister; so or sou = son; Wi = wife. fa bro son means "MY father's brother's son IS"; me da means "MY mother's daughter IS"; so WI bro means "MY son's wife's brother IS"; &c. Exact kinship briefly phrased. Exact kinship briefly phrased. No, who sur vived child-hood. No. who sur vived child-hood. Full names of those whose initials appear in the preceding column. Common terms of kinship. Initials of the noteworthy. Initials of the noteworthy. Regr. Title. Title. Regr. Regr. Title. Grandfather . 1 Ja fa 3 me fa fa me 2 4 me me Father 5 fa Mother , , 6 me Uncles . . . 7 Ja bro 9 me bro Aunts. . . 8 fa si 10 me si Brothers . . bro 11 Sisters . . . 12 si Half-brothers 13 fa son 15 me son Half-sisters 14 ja da 16 me da Nephews . . 17 bro som 19 si son Nieces . . . . 18 bro da 20 si da PAPERS First cousins . 21 fa bro son me bro son 23 Male . . . fa si son 22 me si son 24 First cousins . 25 fa bro da 27 me bro da Female 26 fa si da 28 me si da Wife's brothers and sisters. Year of her marriage. Initials of the note-worthy. who su vived child-Maiden name of Regr. Title. their mother, your wife, Initials of the Titles. noteworthy. Sons . . so Wi bro 29 30 so Wi si da Hu bro Daughters de 30 da Hu si marriage. so(2) Wi bro 29(2) 30(2) Sons . . so(2) Wisi da(2) Hu bro Daughters . 30(2) da(2) da(2) Hu si

Signature and Address of the Sender Bland Divers, 3 Canning Place, Palace Gate W.

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f.14r

\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN.

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Signature and Address of the Sender

Frandelgan 18 Comwall Tenace Myal Park

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FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W. f.31

13. Bradmore Road Oxford. 17/714 my futher, W. Esson, we firm a humble position by sheen ability . Inventor . Incassful he awager of a large gas Company. President of the association of gas Engineers. Contributed many papers to the gas Journal A proceedings of the association. W. Eson

f. 4



# NOTEWORTHY KINSFOLK OF

FOLK OF Progerron W. Goron, FRS, ("WHO'S WHO" contains all that is wanted concerning yourself.)

\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

of kinship.       Regr.       Title.       child.       noteworthy.       Regr.       Title.       hold.       noteworthy.         Grandfather 1 $fa$ fa       -       3       me fa       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -		nmon terms		t kinship phrased		sur-	Initials o		Exabrief	ct kin y phr	ased. w	No. ho sur-	Initi	als of the	Regr.	Title.	Full names of those whose initial appear in the preceding column.
Granninober       2       fa mu       -       4       inte mu       -         Granninober       2       fa mu       -       4       inte mu       -       -         Father       5       fa       -       4       inte mu       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       - <th>of</th> <th>f kinship.</th> <th>Regr.</th> <th>Title.</th> <th>chil</th> <th>d-</th> <th>notewo</th> <th>rthy.</th> <th>Regr.</th> <th>T</th> <th></th> <th>hild-</th> <th>not</th> <th>eworthy.</th> <th></th> <th></th> <th>appear in the precessing commun</th>	of	f kinship.	Regr.	Title.	chil	d-	notewo	rthy.	Regr.	T		hild-	not	eworthy.			appear in the precessing commun
Mother       6       me       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       - </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>100 C</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									100 C								
Name							4.1	•	100.000		-	60000		-			William Esson
Brothers $\dots$ 11 bro Sisters $\dots$ 12 ii $\mathbb{Z}$ $\dots$ $\mathbb{Z}$ $\dots$ $\mathbb{Z}$ $\dots$ $\mathbb{Z}$				Contraction of the									1				
Half-brokhers       13       fa zon       15       me zon       16       me da         Half-brokhers       14       fa da       16       me da       16       me da       16         Nepbews       17       bro zon       19       ri zon       4       1       16       me da       16         Nepbews       17       bro zon       19       ri zon       4       1       16       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10 <td< td=""><td>Brot</td><td>thers</td><td></td><td></td><td></td><td>2</td><td>4</td><td></td><td>1</td><td></td><td>-</td><td>1 1</td><td></td><td></td><td></td><td></td><td></td></td<>	Brot	thers				2	4		1		-	1 1					
Nephews       17       bro son       19       si son       4         Nieces       18       bro da       20       si da       1         First cousins       21       fa bro son       23       me bro son       1         Za       me bro son       24       me si son       1       1         First cousins       25       fa bro da       1       27       me bro da       1         First cousins       26       fa si da       1       27       me bro da       1         Regr.       Title.       No.       Initials       of the note-worthy.       Vear of their mother, your wife.       Wife's brothers and sisters.         Sons       29       10       T       Liga hauck       1872       Wife's brothers and sisters.         Wife's brothers       Initials of the note-worthy.       Wife's hour wife.       Initials of the note-worthy.         Wife's brothers       1872       Wife's brothers       Initials of the note-worthy.									and the second se		and the second s		1				(Same)
Male       22       fa ti son       24       me ti son         First cousins       25       fa bro da       1       27       me bro da         Female       26       fa si da       1       27       me bro da         Regr.       26       fa si da       1       27       me bro da         Male        26       fa si da       1       27         Maiden name of their mother, your wife.       Wife's brothers and sisters.       Titles.       Initials of the note-worthy.         Sons       29       10       2       Eliza Inset       1872-       Wi bro         Wife's brothers       1872-       Wife's brothers       Wife's brothers	22.55										22424						HEALTON LONG
Female     .     26     fa si da       Female     .     .     .     .       Regr.     Title.     No. who sur- vived child. hood.     Initials of the note- worthy.     Maiden name of their mother, your wife.     Year of her marriage.     Wife's brothers and sisters.       Sons     .     29     10     Z     Eliza Instak     1872-       Wife's brothers     .     .     .     .										0.000							
Normality     Normality     Initials of the note-wife, wife, wife, hood.     Maiden name of their mother, your wife, wife, wife, wife, hood.     Year of their mother, your wife, hood.       Sons 29     10 <b>Z</b> Eliza hush     1872-     Wi bro power by Wi si the theorem				10000													
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boll ay m			Regr.	Title.	vived child-	sd of d-	the note-	their n	other, y				tles.				
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	Ist ma.	Daughters .	30	da	,						18						
Sons 29(2)         10(2)           Daughters . 30(2)         du(2)	narriage.	Sons	29(2)	50(2)								4(2)	Wi si				

f. 5-

The object of the inquiry is to ascertain the frequency with which Ability, as indicated by High Success, is distributed among the members of a family; how far it is sporadic and how far it seems to be hereditary or else traditional. The replies will add to our knowledge of some of the main causes of evolution : one of these is the coefficient of mental heredity, another the inclination or otherwise of persons to mate with their like or unlike, another the fertility of the mentally exceptional in various degrees, including their tendency to be celibate, or to marry early or late.

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FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W. 1.51

fibr Sin / Svan NASH MILLS, A COLLE GALTON PAPERS HEMEL HEMPSTEAD, HERTS. 15th July 1904 My dean Gatton Was not able to send you the enclosed at an earlier date but I have had my time to much occupied that have not been able to attend to your enquiry now that I have attempted to fill your Paper I am not since that I have done to in the manner that you require - I can however Junish you with Juch faither

particulars as you desue Hunk that you boll Jud notices of my grand Jather Jather Bentin Dubo Jather in law in the Dictionary of national Brography as hell as of my great much Withur Benoni Evans, head - master of the Goucester Cashedral School - note workmens is a quality difficult to define, but I Thuch that my sester is noteworthy as a prequent Conespondent in nature + moreorer as a first-rate artist - a remote ancester see 2 letter

f.60

of my bust wife was Dionysius Three the Bolanist, so that my son author is L.R.J. I she fifth generation With hand regards from Lady Wans, believe me yours succent John wans I have received the allier de Hanteroche Medal of the Academie des Inscriptions, the Lyell medal of the Geological Society and the medal of the humismatic Souch negold-Acknowledged bry Port cand 83

f. 81 Suig Evans 121 COLL NASH MILLS. GALTON PAPERS HEMEL HEMPSTEAD, HERTS. ang 11: 1904 My dean Gallon I was afrand that I had not made a good Return but I will try to remove your difficulto, My frist wife was as you Jay my fust consin "Tha bro-da - Her mother was a Grover and her mother again a ground daughter of Dionysius Thret F.R.J. - Her Jasher was George Philip Ehret a son of Dionysins Ibelieve My elder sister anne hans

f BV was the frost and musical composer of the Duch W. B. I forgot to enter her hame I hope that this kale make matters clear Tursting that you had a pleasant houday abroad - I remence with our very hund regards your smeerchy John wans

Sir John Sound Sich N. Biss Gr falla Lewi Pour 1755-1827 & El-N Bing XVII Jo father arthur Bensi Cour 1781-1854 . .... XViij 54 aunto (fatheri serter) born anne lor 1820-1870 X Viij 55 hereafter, Inglesce Ilder - XV. 35-John Dichman 1015-1076 Self falle 1 confe hereafly .. artun Pour FRS Sm 7 Georg Gionysias Eleret 1710-1770 bolanit xvij 167 · kurkah Wi me me fa see lette

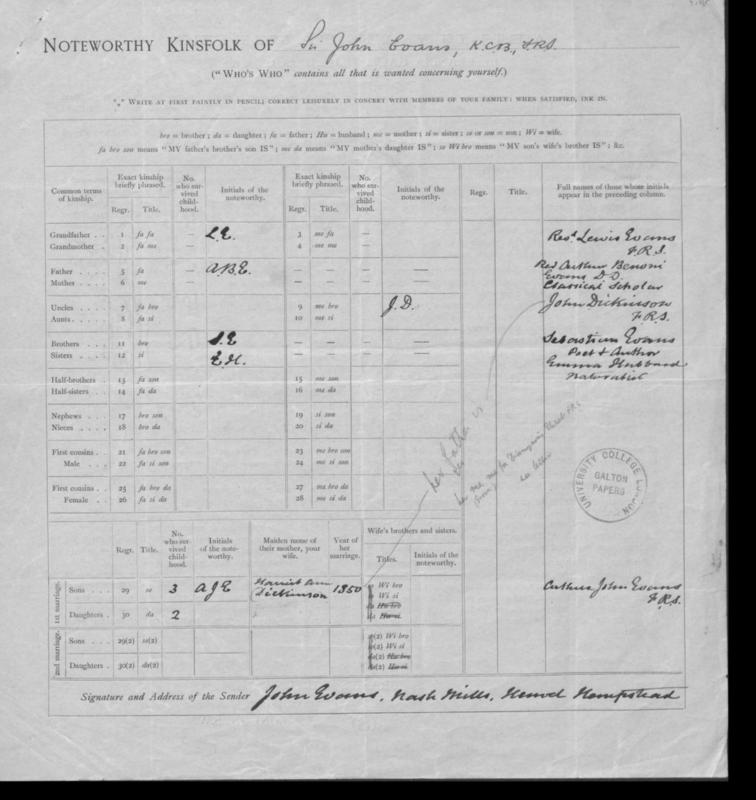
fand was Treasurer & Vice Proisdent of the Royal Jociety

Sir John Evans, (b.1823) K.C.B., D.C.L., LL.D., Sc.D., F.R.S., President of the Royal Numismatic Soc.since 1874; has been president of many learned societies; has published works on the coins of the ancient Britons, & on ancient stone & bronze implements. (Who's Who)

1782 - 1869) Inventor of Oapen

fa fa <u>Lewis Evans</u>, (1755-1827) F.R.S., F.A.S., mathematician; first mathematical master of R.M.A. Woolwich.(Dict.N.Biog.) fa <u>Artur Benoni Evans</u>, (1781-1854)D.D., miscellaneous writer professor of classics & history at R.M.C., 1805-22; headmaster of Market Bosworth Grammar School, 1829-54.(Dict.N.Biog.) is si <u>Anne Evans</u> (1820-1870) poet & musical composer.(Dict.N.B me bro, & wi fa <u>John Dickinson</u> (1815-1876) F.R.S., writer on *John Dickinson* fr tor. 500 / (815-1876) India & founder of India Reform Soc., (1853) (Dict.N.Biog.)

LL.D. , astist bro <u>Sebastian Evans</u>, poet & author. <u>D.Litt</u>, Oxon; son <u>Arthur John Evans</u>, (b.1851) Hon. D.Litt., Dublin; Hon.LL.D. Etinburgh; F.R.S.,F.S.A., Keeper of the Ashmolean Museum, Oxford since I884; in I893 started investigations in Crete which resulted in the discovery of the pre-Phoenician script; in I900-2 excavated the prehistoric palace of Knossos. (Who's Who)



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FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W.

Fuller Particulars of the Kinsfolk of J.D. Everett in order as manued in List. me me bro. Rev. Joseph Percy, a well known Congregationalist minister at Warweck. me me bro son. D' John Percy F. Q.S., the metallurgert Prof " Royal School of Mines. gime bro . Rev. John Garwood M.a. (Oxon). One of the founders of the London City Mission, and Secretary to it for the greater part of a long life. 11. bro . Robert Lacey Everett, J. P. has risen, purchy by his personal qualities, to be one of the most influential men in Ipswich & in the county. Twice M. P. for Woodbridge Division. alderman of the County Council of Suffolk. Ready speaker + worder. Mary Everett . a leader in philanthropic work 12. di , in Apswich . The only lady member of the Board of Guardians . 17. bro son. Percy Winn Everett ( son of R. L. E.) was head boy of Sprinch School both in Classics and mathematics and was awarded the School also got a Scholarship in Frin, coll. by competition . Exhibition in Frinity Coll. Cambudge. Jook a good place among the Wranglers, and has ever since been engaged in responsible editorial work on Pearson's publications. 18. bro da Mand Varley Everatt ( da of R. L. E.) has just completed has medical studies by taking M. B. A Glasgow . Wi bro. Rev. John Gardiner Fraser, M. a., D. D. (glasg.) was a brilliant student in Glasgow University. a very able speaker. Is head of a Theological College at Sydney, R.S. W. 29 so. Wilfred Herman Everett is B. a. end B. & ( with honorus ) of Royal Univ. of Indand . Taught Engineering succentully for several years in Univ. Coll. nottingham

and is now Proferry of Electrical & Mechanical Engineering in Sibpur Coll. Calcutta . Has published papers dealing with electrical calculations. 29 so. alexander Praser Everett gained an Exhibition I by competition in new College Oxford, and book B.a. with honours in History School . 30 da. alice Everett was a brilliant all-round prise winner at school . Gained first-class Exhibitions in Junior, Middle, and Senior Intermediate Exam Indand; an entrance Scholarship in Queen's College Belfart ; a first class Exhibition and one of the two Mathematical Scholarships in Royal reniversity of Ireland; B.a. with it henous and M.a. (R.U. . ); one of the two open Scholarships at Girlon . Was Vice- President of the Girton Debating Society . Worked for several years at greenwich Observelory and Potsdam astrophysical Observatory. Was Secretary to the British astronomical association. Is a ready speaker and writer.



		*.* V	VRITE A	T FIRST I							ted concernin 1 MEMBERS OF			SATISFIED, INK IN.	
	fa	bro son			ther ; $da = daug$ ther's brother's s									= wife. wife's brother IS"; &c.	
	mmon terms f kinship.		ct kinship y phrased	d. who so vive	sd Initials				No. who sur- vived	101	itials of the oteworthy.	Regr.	Title.	Full names of those whose initials appear in the preceding column.	
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		No. who sur- Regr. Title. vived of the note-			Maide their n	en name of nother, you	f Vear of		e's broth	ers and sisters.	W	i bro	John Gardiner Frase		
	Sec. 7.00 b	IveB.	TRACE	child- hood.	worthy.	1.75.77	wife.	marriage		litles.	Initials of the noteworthy.		1. 4	Vilfred Herman Everatt Exander Mraser Everatt Alice Everatt	
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anduz	Brughten .	30(2)	(2)					6	da(2	Hu de	4		Law and	and the sector of the	

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FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W. 9.14V

NOTEWORTHY KINSFOLK OF

FOLK OF The J.B. Farmer HRS. ("WHO'S WHO" contains all that is wanted concerning yourself.)

\*\* Write at first faintly in pencil; correct leisurely in concert with members of your family: when satisfied, ink in.

Common terms	Exac briefly	Exact kinship briefly phrased.		a modern	of the orthy.	Exa brief	et kin y phr	ased. w	No. ho sur- vived		ials of the teworthy.		Title.	Full names of those whose initials appear in the preceding column.	
of kinship.	Regr.	Title.	child hood		ortny.	Regr.	Ti		child- hood.		noteworthy.				
randfather	1 2	fa fa fa me				3 4	nte j • mte		- 1						
ather	5 6	fa me	11			11	1	+ -	1 1		=				
Jncles	7 8	fa brø fa si	02			9 10	me me		3 0	J.	C.B.			Josiah Corbett Bretland	
Brothers	11 12	bro si	0 2					-	1 1					(2)11	
talf-brothers . talf-sisters	13 14	fa son fa da	0 6			15 16	me me	son da						Perena C	
Vephews Vieces	17 18	bro son bro da				19 20	si s si a		0 2					3/4/14/2/7	
first cousins Male	21 22	fa bro fa si s				23 24		bro son si son	20						
First cousins Female .	25 26	fa bro fa si o				27 28		brø da si da	50						
			No.	Initials	Mail			Vear o		s broth	ers and sisters.				
	Regr.	Title.	who sur- vived child- hood.	of the note- worthy.	their m	len name of nother, your wife.		ber marriage			Initials of the noteworthy.			with at & Bitches	
Sons Daughters	. 29	30	0		2.N.	ę.P		1892	p h	Vi bro Vi si	C.P. 1.M.			Edit hay gertrus Patches si charles Patched RC Lilian Mitchell	
	hters . 30 da 1								he loo Tarii				Lilian Mitchell		
Sons Daughters	. 29(2)	da(2)							se(2) da(2	Wi bro Wi si Hanbro Hansi					

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FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W. f. Iv

fizr taynet 2 COLLE 16, Debonshire Street, GALTON PAPERS Porfland Place, W. & pil 100\$ Dear ingalten I have filled ap your guing paper as fan as Ican . I have sull many nem

F.21 Eltion and Amey Unes have beneficial distayanting Thy have been uhting an Nan Oppan Clerymen ag There well

en fatu, n. le aver etrail authuity duni Akun Marynhan Aufe mare cell mary J. Layrer

5. Ja. Robert John Fayrer. lommander h. Ir. Distinguished in sarly hipe in war services under dord Aundonald and attress. afterwards became and of the recognise proneers of ocean steam navigation lound the President and other large orean going steamers. He was an inventive genius, and devised a steering apparatus of Whichia model is now in freemiet Hospilde my Jather had two brothers, me a dergyman, Vicar of St. Seatte, Commale, the other a midslupman

on A.m.S. Deprance. lost in a gale of wind in the Baltie I am not aware that other members of my family distinguished themselves in any particular way; they were haval or military men, professione men or dergymen. This comprises all the in Jormation that I can give in response to your questions. COLLEGO GALTON PAPERS C

NOTEWORTHY KINSFOLK OF Sin Joseph Fayrer ("WHO'S WHO" contains all that is wanted concerning yourself.)

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2

\*\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INE IN.

Common terms	Exact kinship briefly phrased.		vived	Initials		Exac briefl	ct kinshi y phrase	sd. wh	ivea	tials of the	Regr.	Title.	Full names of those whose initials		
of kinship.	Regr.	Title.	child- hood.	notew.	sruiy.	Regr.	Title		hild- ood.	teworthy.			appear in the preceding column.		
Grandfather Grandmother .	1 2	fa fa fa me	-			3 4	me fa		-						
Father Mother	5 6	fa me	11.4	RJ.	₹-		I I		-	-	5	fa.	Robert John Fayrer		
Uncles . , Aunts	7 8	fa bro fa si	24			9 10	me bri me si	. 2	ove						
Brothers Sisters	11 12	bro si	51						-	=					
Half-brothers . Half-sisters	13 14	fa son fa da				15 16	me sei me da	35.00							
Nephews Nieces	17 18	bro son bro da				19 20	si son si da		2				EL COLLED		
First cousins Male	21 22	fa bro so fa si so		-		23 24	me bri me si	200					PAPERS		
First cousins Female	25 26	fa bro a fa si da	1 2 2 2 2	-		27 28	me bry me si								
			No.	Initials	Maide	n name	of A	ear of	Wife's broth	ers and sisters.			and a sector se		
	Regr.	Title,	vived o child- hood.	of the note- worthy.	their m	other, y	our	her arriage.	Titles.	Initials of the noteworthy.					
Sons Daughters .	29	50	5		Bettie	n ha	ny 19	\$ 5 5	Wi bro Wi si						
	30	da	2						La Hurt						
Sons ,	29(2)	so(2)							(2) Wi bro (2) Wi si (2) Ha bro				a Dybar		
Daughters .	30(2)	da(2)			12AS				12(2) Husi						

F.Sr

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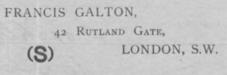
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Jenton F.6 I much regret that I can remember only a vary few of the details required I have been so long separated from the few surviving members of my James that it is not possible to obtain any very hecurate infrince I think probably the most noteworth member was my grandfather on mothers side. Willshire John Emmett. Educated at Westminster School & Trink College Cambridge and What some college at Exford. Stafterwards chaplum to had Grage Euvendish & Bater Rector of Latimers Hz deed in 1860 and was nearly 100 yeurs old. Ha was related (second cousin I believe to the 'putriot' Robert Emmete! H 9 H Fruton

f. 7r NOTEWORTHY KINSFOLK OF H. g. H. Fenton, bog., FRA ("WHO'S WHO" contains all that is wanted concerning yourself.) \*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN. : bro = brother; da = daughter; fa = father; Hu = husband; me = mother; si = sister; so or son = son; Wi = wife. fa bro son means "MY father's brother's son IS"; me da means "MY mother's daughter IS"; so Wi bro means "MY son's wife's brother IS"; &c. Exact kinship briefly phrased Exact kinship briefly phrased. No. who survived child-hood. No. who sur vived child-hood. ommón ter of kinship. Initials of the noteworthy. Initials of the noteworthy. Full names of those whose initials appear in the preceding column. Regr. Title. Regr. Title. Regr. Title. eve John Grandfather . 1 fa fa 3 me fa 2 fa me 2 4 me me Willshore who will Father . . . fa 5 Mother . . 6 me Uncles . . . 7 Ja bro me bro 9 Aunts. . . 8 fa si me si 10 Brothers . . . 11 600 3 -----Sisters . . . . 12 *si* S OOLLA 4 NIVERS GALTON Half-brothers 13 fa son 15 me son PAPERS Half-sisters . 14 fa da 16 me da bro son Nephews . . . 19 si son 17 Nieces . . . . bro da 18 si da 20 First cousins . 21 fa bro son 23 me bro so Male . . . 22 fa si son 24 me si son me bro da First consins . . 25 fa bro da 27 Female . 26 fa si da 28 me si da Wife's brothers and sisters. Initials of the note worthy. Maiden name of their mother, your wife. Year of her marriage. vho su vived child-Regr. Title. Initials of the noteworthy. Titles. Sons . . so Wi bro 29 30 0 1892 30 Wi si da Hu bro da Hu si Daughters da 30 0 marriage. so(2) Wibro 29(2) 50(2) Sons . . 10(2) Wisi da(2) Hu bro Daughters . 30(2) da(2) da(2) Hu si 19 Brocharde Cambridge # H Signature and Address of the Sender

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f.8 30 Queen's Earle Terrua 29" June 1904 Dear Galtin I am sorry with how san this type , on you seem to cond Ihave said all I canfor sh any duitdian as you with the Jours my suiceres Chour Mating GALTON PAPERS

## NOTEWORTHY KINSFOLK OF Mayor-General E.R. Festing, R.E., C.B. #100. ("WHO'S WHO" contains all that is wanted concerning yourself.)

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of I	kinship.	Regr.	Title.	chil	child- hood,	noteworthy.		Regr.	Title.	c	hild- ood.	INU	iotenorthy.			appear in the preceding commu-
	father mother .	1 2	fa fa fa me					3 4	me fa .me me							John Wogan Fosting
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Please address the completed results thus, not omitting a large and very legible S in brackets, in the bottom left-hand corner :

FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W. F.9v

# NOTEWORTHY KINSFOLK OF Lazarus Fletcher, Eng., IRI.

("WHO'S WHO" contains all that is wanted concerning yourself.)

\* Write at first faintly in pencil; correct leisurely in concert with members of your family: when satisfied, ink in.

ommon terms of kinship.	Exac briefly	t kinshij phrasec	l. who s	aur- Initials	of the orthy,	Exa brief	ct kins y phra		No. who sur- vived		ials of the teworthy.	Regr.	Title.	Full names of those whose initials appear in the preceding column.
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FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W. F.10V

29th August, 1904. LADYWALK, RICKMANSWORTH, HERTS. Dear Mr. Galton, After long delag I return your circular re "Ability in Families" I hope I have filled up the form in the marrier intended. I append a few facts as to my talker, and an opinion as Le my Mother. Belieur me, Very in cerely your. G. Carey Fatur.

Regr. J Title Yull name 5 fa George Foster, - born of poor parents, and with no education beyond that of a village gramman-school (Whalley, Lancashire), acquired a very fair degree of literary and general culture, had considerable success in business (as a calicoprinter ), and altained a position of influence in tis own neighbourhood (J. P. for North Lancartion and for West Riding of Yorkshire). Was closely afrocialis with M. Colden in the early part of un career ( en references le G. F. and letters addreps to him in Morley Life of Cobd on vol. i.) Though I can quote nothing "note coorthy" I consider my mother to have been a woman of much more than avorage ability. Un sam may he said of her los with who survived to my knowledge. A brother, whom I never saw, wa, generally recognised as having very good abilities, leut he achieved no discinction. G. Carey tos tr.

F.13r 5. NOTEWORTHY KINSFOLK OF Froz. G. Carey Foster, FR. ("WHO'S WHO" contains all that is wanted concerning yourself.) \*\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN. bro = brother; da = daughter; fa = father; Hu = husband; me = mother; si = sister; so or son = son; Wi = wife. fa bro son means "MY father's brother's son IS"; me da means "MY mother's daughter IS"; so Wi bro means "MY son's wife's brother IS"; &c. Exact kinship briefly phrased. Exact kinship briefly phrased No. who sur vived child-hood. No, who survived child-hood. Full names of those whose initials appear in the preceding column. Common term of kinship. Initials of the noteworthy. Initials of the noteworthy. Title. Regr. Regr. Title. Regr. Title. fa George Foster Grandfather . 1 fa fa 3 me fa 5 Grandmother 2 fa me 4 me me G. F. Father . . . fa 5 -Mother . . . 6 me 5 1 me bro Uncles . . . . 7 fa bro 9 fa si 3 Aunts . . . . 8 10 me si 2 Brothers . . . 11 bro - 0 Sisters . . . . 12 si 4 0 0 Half-brothers fa son 13 15 me son Half-sisters . . me da 16 14 fa da 2 2 0 Nephews . . . bro son si son 2 17 19 PAPERS bro da Nicces . . . . 18 20 si da 4 0 8 0 First cousins . 21 fa bro son 23 me bro so Male . . . 22 fa si son 2.4 me si son D 1 0 12 me bro da First cousins . . 25 fa bro da 27 Female . 26 fa si da 2 28 me si da 3 Wife's brothers and sisters. Initials of the note worthy. Maiden name of their mother, your wife. Year of her marriage. vived child-Regr. 'Title. Initials of the noteworthy. Titles. so Wi bro narriage. Mary Anne 1868 Frances Mile 4 Sons . . 29 50 so Wi si da Hu bro Daughters da 4 30 da Hu si marriage. so(2) Wibro 29(2) 30(2) Sons . . . so(2) Wi si da(2) Hu bro Daughters . 30(2) da(2) da(2) Hu si Signature and Address of the Sender G. Carey, Fostir, Rickni Herts. assworth ,

By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

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FRANCIS GALTON. 42 Rutland Gate, (S) LONDON, S.W. F.134

Reep with Mr. Forler F.141 Schedule COLLEG 15. 7.4 GALTON LON PAPERS NINE WELLS, GREAT SHELFORD. CAMBRIDGE. My dear falton I have delayed filling ap and relaining your heredily ceasus papers for Vanous learous; among theirs that I have a diffeculty " a valueing "noteworthy" The mult of Firs seems to me, as an old See. R.S. J ancertain value, and in any Case a difficult slandard. Let my put my difficulties befor you, My Father was a "general prachihoner of medicing

a a country town, Hundingdon, He was successful, that is he secured a laye practices -his reputation as a skilful prachhener was recognized by his London and show hollulu also consucled hum - but hes made no notable cardnor to medical literature. So far you could hardly call hun note worthy" - but when he was a sludent at line Coll he raw, neck and neck with Baily who afterwards was FRS and Physician to the Queen. Considering their relative advantage I have no heretation in thucking That, they college careers show That my father was polenhally a more able man than Baily

F.14v

F.15, and that had becumany Cirtumstances allowed my talker to stay up in London he would probably have Supassed Baily. again my tathers faller was an lehaut farmer in Bed-al Holy will - nothing note worthy In that. But, in culturating his farme he happened to hour up some Roman remains. This led not only to his forming a collection of antigintier Zomlahat remarkable u A kind but also to her aquiring very courserable. anchaeolopical Knowledge though I am not aware that he pablished any thing. But for a tenant - tarmer, at the end of the 18th beginning

F.151 1.19 to be action in anchaeology is a note worthy fact, were of The man himself is not, again my first Wife's Jaken faker was a non-conformist minister of high range ie of great giteen alung his bretheren - Isupposes he would come within the first dagen of these at his hure. His son, my tint wife's talker was a man of very great ability -but brug unstable as wales ched not Succeed. am I to register any fikere as 'nde worthy' - and of so which -A- seems to ma that, in your plan, you are registering hot "ability" not potential ability, but success, or at GALTON S

f.16 (2)GALTON PAPERS NINE WELLS, GREAT SHELFORD, CAMBRIDGE. at most, ability to succeed " But is not, in this question of heredily, potential ability the Essential thing - and is it not especially what one may call subliminal ability - the ability which Just falls fort of making Geef felt by the world. which has to be laken accout of? Dont let this lead you into a long answer to it will be cumple. 9 you tall me how I proceed in felling

F. 17v up your haker. Ev jour M. Forter 7. Salton Sy NERS GALTON LOND

(Shi Michael Tosler)

F. 18

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A COLLE

GALTON PAPERS

John Fosler was a tenant farmer at Holy well Bed. note worky the That he though a mile isdurry leased farmer, made a valuable acquired very and white archaeliped Frankedy though I am not aware that he suer pattached Michael Foster of Huntingday had a bulliant career during his hief (Two years miduled s'udies at hum. litt Sand a suiked a high reputation allewards as a general prachhmer of medicine Thomas C. Edmonds was note worthy as a destinguister non aufamist (Buptert) number, for at lax more and at Leccenter

## NOTEWORTHY KINSFOLK OF In Michael Foster, Ken, the

2

("WHO'S WHO" contains all that is wanted concerning yourself.)

F. 19r

\*\*\* WRITE AT FIRST FAINTLY IN FENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN.

Regr.         Title.         Book         Regr.         Title.         Book           Simulather         1         fs fs         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         - <th>Con</th> <th>nmon terms kinship.</th> <th colspan="2">Exact kinshi briefly phrase</th> <th>d. who viv</th> <th>sur- ed Ini</th> <th>tials of the steworthy.</th> <th></th> <th>ct kin y phr</th> <th>ased. wi</th> <th>No. ho sur- vived</th> <th></th> <th>als of the teworthy.</th> <th>Regr.</th> <th>Title.</th> <th>Full names of those whose initials appear in the preceding column.</th>	Con	nmon terms kinship.	Exact kinshi briefly phrase		d. who viv	sur- ed Ini	tials of the steworthy.		ct kin y phr	ased. wi	No. ho sur- vived		als of the teworthy.	Regr.	Title.	Full names of those whose initials appear in the preceding column.
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By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

The object of the inquiry is to ascertain the frequency with which Ability, as indicated by High Success, is distributed among the members of a family; how far it is sporadic and how far it seems to be hereditary or else traditional. The replies will add to our knowledge of some of the main causes of evolution : one of these is the coefficient of mental heredity, another the inclination or otherwise of persons to mate with their like or unlike, another the fertility of the mentally exceptional in various degrees, including their tendency to be celibate, or to marry early or late.

The information asked for is wholly honourable to the person addressed and to his family. It is limited to facts that have already appeared in print, though often only in newspapers. Though well known to the person addressed or to members of his family, they could not be found by a stranger without laborious search.

Nomenclature of Kinship.—Kinships in the first degree are expressed, as explained at the head of the schedule, by single syllables easy to pronounce, consisting chiefly of a consonant and a vowel. By this means such vague terms, as first cousin, are replaced by brief titles with precise meanings. The syllable me is used for mother, as mo runs too closely with bro and so, and ma with fa and da. The French and the Greek words for mother justify the e. The alternative forms of so and son enable the latter to be employed at the end of a phrase, where it is more euphonious. Some of the combinations may have a somewhat childish ring, but none are vulgar or grotesque. The value of this brief and exact method of description becomes greater as the kinship becomes more remote.

Noteworthiness.—" Noteworthy " successes are those in any vocation whatever, that in the opinion of the compiler are of a rank not inferior to that which the Fellowship of the Royal Society holds among men of science. The weight ultimately to be assigned to each recorded success must be entrusted to those who will statistically discuss the replies. Minor achievements of persons who are still too young to have achieved any " noteworthy " success deserve record.

As women can rarely display their full abilities, it is necessary to take into account the hereditary significance of the successes of the brothers (and sisters) of all female ancestors. Inquiry is therefore made as to "noteworthiness" in these. To secure equality in statistical treatment, the same course is adopted in respect to the male ancestors also.

For want of space, the forms for the four kinds of great uncle are omitted, namely, *fa fa bro*, *fa me bro*, *me fa bro*, *me me bro*. Similarly as to the great aunts. If any of these should be noteworthy their names may be entered in the third column, preceded by their proper titles. So may grandchildren. Eminent kinsfolk in still more distant degrees can be added in the like way, if thought desirable by the compiler. The noteworthy names should be written successively in the third column in any convenient order. There will be ample space to hold them all.

The number of kinsfolk in each degree who survived childhood is wanted as a clue to the intensity with which ability (as indicated by success) characterises each family.

A separate paragraph on fresh paper should contain the noteworthy facts relating to each person whose name appears in the last column of the schedule. These paragraphs should be written consecutively, and the heading of each should consist of the Register number, the Title, and the full Name of the person to whom it refers, transcribed word for word from the last column of the schedule. Each paragraph should be as brief as may suffice to give a just idea both of the *quality* and of the *grade* of ability in the person referred to. Thus the mention of a high success in one branch will render those of minor ones in the same branch unnecessary, on the principle that the greater includes the less. But if the record of any minor achievements testifies to success in *different* pursuits and therefore to the possession of general ability, they should be included. Also such as may testify to precocity, to slow development, or else to persistence of effort.

The following imperfect list of successes may possibly be useful in suggesting what might otherwise have been overlooked.

Youth.—All high competitive successes at school, college, or elsewhere, such as the greater exhibitions, scholarships, fellowships, foremost places in University Class lists, or in examinations for appointments of any kind. Only two or three of the more important of these need be given. The captainship of a notable athletic team may deserve record.

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Authorship of valuable memoirs, books, inventions, &c.

Awards of titles, medals, honorary degrees, &c.

Biographical Notices in standard publications.

By accepting the mere title of F.R.S. as a noteworthy distinction, a body of nearly 500 men is at once determined, to whom these circulars will be sent in the first instance. The Fellows of the Royal Society are, as a class, more likely to be interested in this inquiry than others, their answers are sure to be brief and appropriate, and they are eminently qualified to offer useful suggestions. Such suggestions would be warmly welcomed as the scope of the inquiry will probably be hereafter extended. Moreover, the Fellows of the Royal Society are linked by frequent co-operation and mutual acquaintanceship, which renders it comparatively easy to obtain supplementary information when wanted.

Please address the completed results thus, not omitting a large and very legible S in brackets, in the bottom left-hand corner :

FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W. F.19V

1:1 f.201 NOTEWORTHY KINSFOLK OF the Re. How Sin Edward Fry, the ("WHO'S WHO" contains all that is wanted concerning yourself.) \*\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN. bro = brother; da = daughter; fa = father; Hu = husband; me = mother; si = sister; so or son = son; Wi = wife. fa bro ton means "MY father's brother's son IS"; me da means "MY mother's daughter IS"; to Wi bro means "MY son's wife's brother IS"; &c. Exact kinship briefly phrased. No, who sur vived child-hood. Exact kinship briefly phrased. No. who sur-vived child-hood. Full names of those whose initials appear in the preceding column. Common terms of kinship, Initials of the noteworthy. Initials of the noteworthy. Title. Regr. Title. Regr. Regr. Title. J.S. 7. Grandfather . . 1 fa fa 3 me fa 1 for fa I.J.F - fough stores By Grandmother 2 fa me 4 me me 7 fabro 7.7. = Francis Thy Father . . . . Ja 5 11 tro I.J. Ffr = Joseph Store Mother . . . 6 me Thy Jants 3.3. 0 2 Uncles . . . 7 fa bro 9 me bro 2 8 fa si me si Aunts. . . 4 10 to 7 2 Levois Thy 11 fro 9.5.7.1h 4 Brothers . . . 11 bro ----EP.7 = Sorrad Sisters . . . . 12 si So 29 Postommeth, Th Half-brothers 13 fa son 15 me son 0 0 Acres Im. F. 2 from Half-sisters fa da me da 30 da 14 16 4 bro son Nephews . . 17 19 si son 11 si da o Nieces . . . . 18 bro da 20 badetional Kinomer First cousins . 21 fa bro son 23 me bro so 0 90 Male . . . 22 fa si son 24 me si son 2 Hwife's Broder 3 0 25 fa bro da First cousins . . 27 me bro da 0 Female . . 26 Ja si da 28 me si da 3 Ja fa fa Joseph By Wife's brothers and sisters. fo fatro Emuno Th Initials of the note worthy. Maiden name of their mother, your wife. Vear of her marriage. vho su vived child Regr. Title. Initials of the noteworthy. Thomas Hodykin Titles. wibro 27.7 Sons . . . so Wi bro 2 Mariabilla 29 50 COLLER so Wi si 1057. Hodykon da Hu bro 9m. 7. Daughters da 30 da Hu si GALTON PAPERS so(2) Wi bro Sons . . .. 29(2) so(2) so(2) Wisi da(2) Hu bro Daughters 30(2) da(2) da(2) Hu si Signature and Address of the Sender Failand Amer Failand En : Xy or Bristol 29 Ap- 1904

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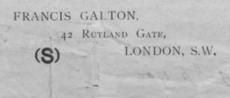
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F.B.A., Rt.Hon.Sir Mdward Fry, (b.1827) D.C.L., LL.D., F.R.S., etc. Judge of High Court Chancery Division, 1877-1883; Lord Justice of Appeal, 1883-1892; presided over the Royal Comm. on the Irish Land Acts, 1897-8; Chairman of the Court of Mumber of the permanent Court of the Court of Mumber of the permanent Court of Arbitrates at the Haque Arbitration under the Metropolitan Water Act, 1903; author of a "Treatise on the Specific Performance of Contracts" of "British Mosses" & "The Mycetozoa". (Who's Who)

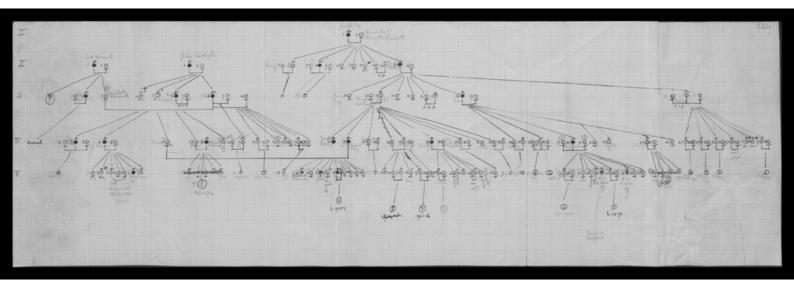
fa bro Francis Fry, (1803-1886), member of the firm of J.S.Fry & Co. of Bristol; great authority on bibliography. (Dict.N.Biog.)

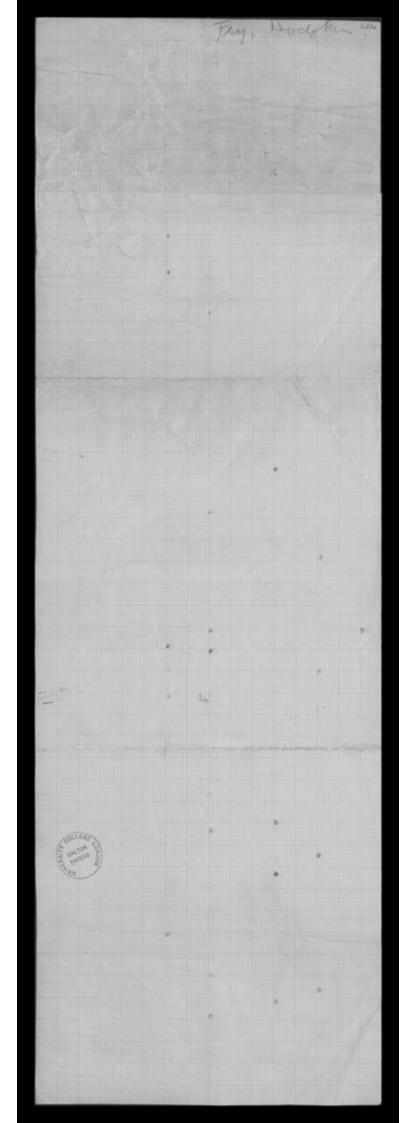
bro Rt.Hon.Lewis Fry, (b.1832) M.P. (L.U.) for Bristol 1878-85, N.Bristol 1885-92, & 1895-1900. (Who's Who) bro Joseph Storrs Fry, has maintained & extended a large manufacturing business, taken an active part in philanthropic work. fa #fa fa Joseph Fry, (1728-1787) practised medicine in Bristol, afterwards manufactured cocca & chocolate, started type-founding business with william Pine 1764. (Dict.N.Biog.) fa fa bro Edmund Fry, (1754-1835) M.D. of Edinburgh; devoted his life to the type founding business,& the philolog--ical studies connected with it. (Dict.N.Biog.) wife Meriabella, neé Hodgkin, vide Hodgkin



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F.25 ones containing two brothers who are Pring founcillon. Se Whos Who . S.n. 29 So. Edward Portsmonth Ty. Abtained fist dap in moderations a and in Greati at the Bral crawination at Ontrod. Subseque il health has sheet him one form active kp. 30 da Joan mary Ry a very activi quardian of the poor the the Long lohton hearin: Lachrin in other bone rolear Forial mallies .

F.26 Addehmal Ninsman Joseph Ry fa. fa. fa. Joseph Ry my halernal peak paut facher tras I blevi a man 2 considerable ability: originally a medical man who came to and prachised hi Brisht le renormed prachie teceur te dis approved ofthe manner in which apothecaria; love the paid askewed ability in salutiniting a This hast in the Solables ement of fire comiducte busineper. Ju Sich hall Minj. An. also Acet's Hilling of Old English deller Foundres". Lonom 10107 vide the Inden r.n.

F. 27 Additional Kinoman Commo by fa fa. bru. a son of Soreth By, a mo flowburgh dearhis his lefe to ghe foundary Aphilological Indiai connulis with it "protably " says herd " The most learned latter formder of his day ! See Decky hall Biog. s.n. also Reedi History of Lellen formarces - boffen ales . V. Indre J. n.



F.28 motion Brother Themas Hodykin my hipe's Broken has Shewn ability coperially as an Hilman. See to hos Who - s. n. In this connection I may refer to my wife Grandfalker It John Hodyken Icha Hadykii her falke her weren Themas Hodykin for all of whom see the Dick. hal' Broprathy un en their names.



F.29 Hosenations As some notions have accurred to me whether preparecy the accompanying replies, and as suggestions are promised a warm walerne, Softer the following observations - without apology - but with much diffichence The hue object for inquiring appear to an Abe the ability of families . The object of inquery in the accompanying paper is the ability of families as indicated by success by facts which have formed Their way into which . The difference between these he suguises seems tome very peally to affect the Velice of the results officines. I see of course the reason why the Enquiring is confirmed in the way as which it is, vis to because it is though that the bordence of palent fails " more value the opinion of builty

partial relatives : but notworkalanding this reason Louggeer that an effort And be made but are the charme there has ability rability sucopaiged & the costs.

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ch somer te imparter to attribute to the high succeps as ushiped & any parts which have appeared ai privit or by any of the indice a mention with submer Instructions.

Bu the other rand paternity is in this Case I many men a speen to exerction there increases the probability has believe ability which become patent of all anithin the cognizeries of the World. Sou the compositions of the contains Conhibitions of the two parents towards the ability of their children, there is there a denthe trias openist the mother shi ferom of the faller



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on the distrine pheredity the father on the mother, the that obility of the mother and the ability of the auceston should be sugario with precisely in the same way as that of the falter : Lai the paper Ifind no adequal portion made for such an sugaring If paul children be included as ruggetted, a similar irevestigation would be requises as to their mother the family. 100 true I had blunder I do an doube that I am shepi'd in the matter but I do an undustand the columns are see the headraj "losfis brothus + sistis" - fu my sono unfi bæsher has nother a to with my wife' broken a sisters socceres an i'a malurial purson unless genan Enorshighting the ability of my pauscheldren - pr Sheit the table makes no prossien

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Failand 29 Ap 1904



F. 34

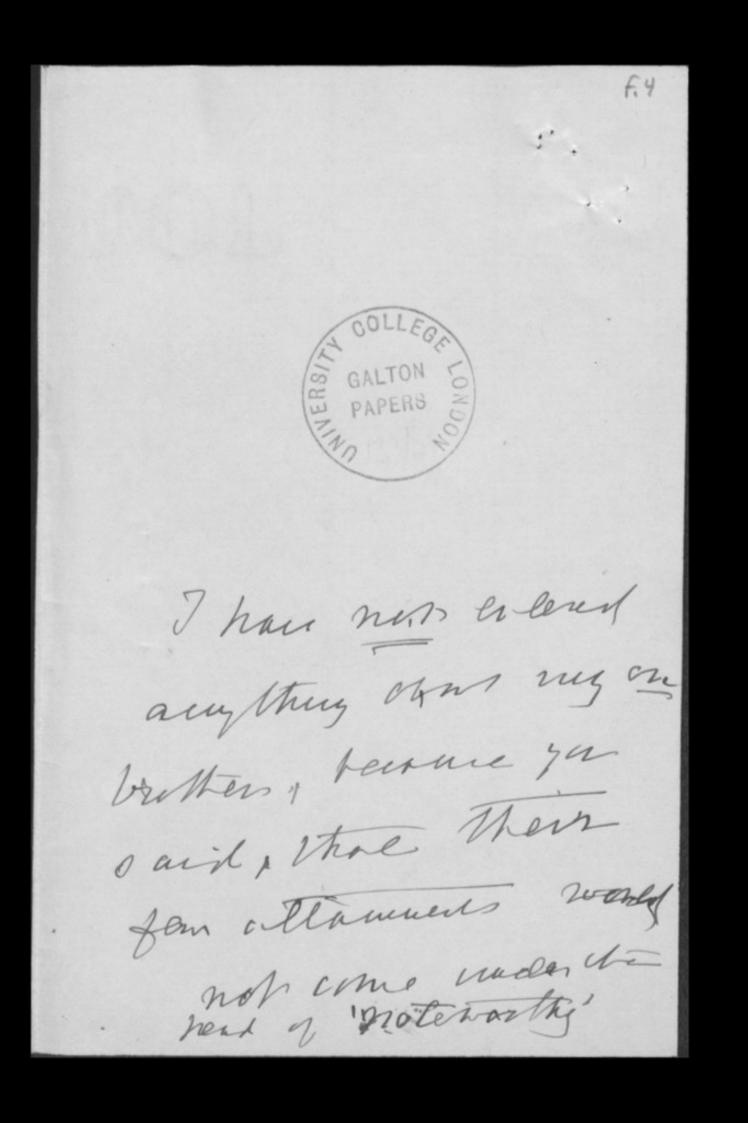
stort Si Donchen Sallon Lune 26 th 1904 My hear Marcanne I am much abliged for yours of the 24 the which I received gestenday I can afseine you I ful quite flattened at being waked by you to put sound implying in a small way about Dauglas's family and hapible nativorthy hendfolk" that can be if any use to M Frances Galton I have put soon all Ian thenk of end have that

FILV I leve not been too Treveal in my remerks. I have been shleged to but these semaster on other haper is they almost all apply is Dauglas led no first incisions that on his mathe side to slder generations If you me writing to elle Francis Gatton le might hunhaps be interested in the Ret Kinte hnawing that

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f.3r TELECRAMS CAUDET, LONDON. 12, CHESTER STREET, GROSVENOR PLACE, S.W. 27. June 1904 myden haus I deten your Paper not Redent Stutts comments ~ / He is the seemed on of The late Lord Belges a he has stitlegineed Antre of Vie Mull I enday Jounly -

F.3 V N. a. JOANG PONDYSORS ano his liter tome, as in may interes you to see his alluin to the relation of Joseph Chanteday to the Studes, making line engrunge



f.5 Vii Douglas Gatton HEB. FRS 4 Me. Me. Isabella Douglas. Me Me si married Francis For Dactor in Denty. Medle si son dir Marles For Engineer & 6. 1810 & 1874 Builder of the Exhibition 1851

f.6 Vir Dreeplas Galton M. C. B. F.A. S. me for fa. \_\_\_\_lededich Strutt 6.1728 d. 1797 Hoscierry Manufactures & bettom shermer Inventor of Meeting or making nebbed thackings Pentner of this Ruland Archumight sur Die Net Big-3. me fa Joseph Strutt. 61765 21844 The first Mayor of Derly 1835 Donor of starboactern to Derly. freet friend of fact thomas elloone / see Morie's life + letters) Milliam Stratt F. R. V. Ingenious Michanician & Inventor me fa bro. Triend of brasmus Dereven R. L'Edgeworthe Robert Deven forth Somester Someel Benthem Balton 4 - Q. D. . . . . PAPERS Rendorginator + Designer of the least Dealy Infermany. - "Edward Street IL P F R & P 1 mt me for bro son me fa bro son \_\_\_\_ Anthony Strutt \_\_ Inginious Mulanician -William Evans Il P. for hunster & Dertych me for se son

(61822 - 1900) Si Daylas Gallin. KCB er. 1887, D.CL LL.D., F.R.S., R.M.A Woolunch (highest Than. in record book 15 pure in sociely saled.) R.E. Commission in R.E. 1840; amond of Inspector of Railways + Securrary of Railway department, Brain of Drade, 1856; Assistant hispecter general of Indications 1860. designed + cusmited the Hubert Aspital at woolinch; amistant under seculary of thate for toas 1862-70 ; Driector J-Public tonto & huilding in H. M. Wales. Gen Lee. Butich Ass, 1870-95; president 1895-96. Autority a hightal Construction & Sanitation, viulitation the of Public Buildings.

lese 7 Galli NOTEWORTHY KINSFOLK OF the late Si Douglas Galton KCB., F.RS. "Socrafficed where" ("WHO'S WHO" contains all that is wanted concerning formself.)

f. 8r

\*\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

Common terms of kinship.		Exact kinship briefly phrased.		No who s	ur- Initials	Initials of the noteworthy.		kinship phrased.	No. who sur- vived	initials of the		Regr.	Title.	Full names of those whose initials appear in the preceding column.	
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Please address the completed results thus, not omitting a large and very legible S in brackets, in the bottom left-hand corner :

FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W.

f. 9r Jamble COLLA GALTON PAPERS HIGHFIFLD, EAST LISS, Noteworthy facti. HANTS. John George Gamble, born Jamany 22 P 1842. Den y g Magdalen Cole. Oxford 1859 1st Cl. mathe motion and Final School. 2" Cl. Class. trial Schoole. Junia mate & lenis-- enity Scholaship. Johnam Prizeman. Employed on Engi. - accing works at Hull, Usig. - hto, in Brazil sto under Ti John Hawkshaw. Aydraulie Enquirer Cape Colony. Hyp-

特别的现在非常生活。 A REAL R. P. S. S. S.

- Laulic Eugineer & Gover of

Ireland - died hov. 1889.

Edward Harpur Gamble

F.9.

born Schtember 6 1849. Royae

Navy - C. 13. - now Rear

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havy List.

f. 10 John addington Symous - for information see Diet. of hatinal Biography LV. 272. COLL CALTON CAPERS MINELS

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F.IIr

# ABILITY IN FAMILIES.

By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

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FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W.

F.12 GOLLE 10, HARLEY STREET.W. GALTON PAPERS 9 Chandoos Street. Cavendosh Square W. July 24th 1goa. Dearbir Jam writing with reference to gove request to my father, Sir Alfred Garriod, for the filling up of your form relating to Noteworthy Kinefolk", & explain that owing to his age (85 years) and mereasing informities mugfattue is quite unable to comply with your request, as I am sure that he would glady have done in former days, Regretting that this is so, Jam Jours failtifully Jochibalo Elgavior \_

f.13v 8= Garsod written in his behalf - no form returned

P. 14 A COLLER THE UPLANDS, GALTON PAPERS GREAT SHELFORD, CAMBRIDGE. Holbrook Jaskell Successful in Commerce Jackell & Deacon Alkali Manufacturers, now merged in the United Alkali C: Cathanie Julia Jaskell First Class in Archoeological Section of Part I Classical Tripos 1904 Was Senior in that section. Captain of the Midland ladies hockey team.

#### F. W. H. jaskell NOTEWORTHY KINSFOLK OF 7. R.S ("WHO'S WHO" contains all that is wanted concerning yourself.) \*\* WRITE AT FIRST FAINTLY IN FENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN. bro = brother; da = daughter; fa = father; Hu = hushand; me = mother; si = sister; so or son = son; Wi = wife. fa bro ton means "MY father's brother's son IS"; me da means "MY mother's daughter IS"; so Wi bra means "MY son's wife's brother IS"; &c. No. who sur vived child-hood. Exact kinship briefly phrased No, who survived child-hood, Exact kinship briefly phrased. Full names of those whose initials appear in the preceding column. Initials of the noteworthy. Initials of the noteworthy. Common terms of kinship. Regr. Title. Regr. Title. Title. Regr. Grandfather 1 fa fa me fa 3 2 fa me Grandmother 4 me me Father . . . 5 fa Mother . . . 6 me Holbrook faskell me bro 9 H.G Uncles . . . . 7 fa bro me bro 9 Aunts . . . . 10 me si 8 fa si Brothers . . . 11 600 si Sisters . . . . 12 Half-brothers 13 fa son 15 1110 5010 Half-sisters . . 14 fa da 16 me da Nephews . . 17 bro son 10 si son Nieces . . . . GALTON 18 bro da 20 si da PAPERS fa bro son 23 me bro son First cousins . 21 Male . . me si son fa si son 24 22 First cousins . 25 fa bro da 27 me bro da Female . fa si da 28 me si da 26 Wife's brothers and sisters. Maiden name of their mother, your wife, Vear of her marriage. who su vived child Initials Regr. Title. of the note worthy. Initials of the Titles. noteworthy. Catterine Julia Wi bro Wi si da Sons . . 30 faskell 29 50 Catharine Sharps the the too Daughters 30 da 6.9.9 Parker

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F.16 -

# ABILITY IN FAMILIES. By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

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F.16V

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FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W.

F. 17r 5. Ja Jomes Stewart Geihic musician & musical critic ; author of much portmoly (i.e. hymn times, etc.) and y several well. Kurn Severitish milories, auch an "my theather Wills." 7. Ja 620 Watter Geihie Artist. Lambeak and figure painter; unblished many etchings illus trative & Scottish Lipe and Character. Was Royal Scottish Academician. 9. me too William Thomas master mariner; subsequents teacher of haviga-For in new York. Published There an elaborate trutise on havijation. 11. bro Archibald Gibie See Whis Ish 17. bro son Roderich Impy murchison Seihie Samer fellows hip ( Cambridge ) 21. Ja ho don. Archibald Seite Constable Geihie Clergyman. Lows moderator & Pus byterian Church N.S. bales. 21 fa bro son Canningham Geilie Clergman (Church & Suffand) Itas hublished much see tohos Why. 21 fa 600 200 traller Bayne Gerhie medical man. Professor of Anatomy and Dean

g the fearly schedicine (Toronto) 29. So. Jonnes Stewart Geilie Medical Man. Passed his frial Dearminations" with Ditriction. I don't know if it is worth mentioning that all the geities named in the preceding list have been noted for Their sense of human and bill known in their own arely as racontemps. They also are all more or less artistic-but with the exception of "I" none to four as I town ever calibility any of their production. James Vilice

James Geikie, (b. 1839) LL.D., D.C.L., F.R.S., London & Edinburgh: professor of geology & mineralogy since 1882 & Dean of the Faculty of Science, Edinburgh: author of many works on geology, & of "Songs & Lyrics by Heinrich Heine" (Tho's Who) E.C. [Whis Whis + Eucyc. Brit] (1811-1893)

fa James Stuart Geikie, musician & musical critic: author of much psalmody & of several wellknown Scottish melodies, such as "My Heather Hills".

<u>fa bro</u> Walter Geikie (1795-1837), R.S.A., painter & draughtsman: author of "Etchings Illustrative of Scottish Character & Scenery". (Dict.N.Biog.)

me bro William Thoms, master mariner; subsequently teacher of navigation in New York: published there an elaborate treatise on mavigation. bro Sir Archibald Geikie, (b.1835)P.R.S. Director -General Geological Survey of United Kingdom, & Director Museum Practical Geology in Jermyn Street, 1882-1901: winner of many medals of Royal & other societies: member of numerous Works on geology, & some biographical memoirs. [Tho's Who] fa bro son Cunningham Geikie, (b.1824) LL.D., D.D., a clergyman author of many works of a religious character. [Who's Who] fa bro son Walter Bayne Geikie, Professor of Anatomy, & Dean of Medical Faculty, Trinity Coll., Toronto.

Aotic Bristol / Carlsbud > PAPERS 1904 June 4

The endored farm has reached I cald - level it me here. So fur as I know none of my ancestors there "notenathy" in The Sense that you define the term. my Father was a very cupable and eurgetic man and suc-- curful in tursiness - umarkally healthy - an only son - he died al the ap of 89. Had great pawer of instand work and very Strong Churacter -My mother was a remarkably able woman - the only able member of a considerable funity - with Ken prophers and Sound judgement.

My Grandfatter did at the ap of 93 -. my mother died at about 55 years of age - burbicharisme from à nylicted cald - tur the come of a long hind race. I helieve that Gregary ( of The Gryman teles whe ) was a uneate ancesta of minelevel I have not the means here y tracing prices what was the celationship or Currection -If this is of wither I will have the matter looked into. I hand there notes to shew that I have attended to the cicular - at and I de un further ser hour I Cun file up unput data Danopic Letters addressed to the Altrend'un hile from the

F. 20

# NOTEWORTHY KINSFOLK OF In David Gill, K.C.B. S.R.

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("WHO'S WHO" contains all that is wanted concerning yourself.)

\*\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN.

Common terms of kinship.		t kinshij phrase		ur- Initiale		Exa briefl	ct kinship y phrased.	who y	child- not	itials of the oteworthy.	Regr.	Title.	Full names of those whose initials appear in the preceding column.
	Regr.	Title.	child			Regr.	Title.	child- hood.					
randfather	1 2	fa fa fa me	-			3 4	me fa me me	11	-				2
ather fother	5 6	fa me						11		_ ^			friend
Uncles	7 8	fa bro fa si				9 10	me bro me si	14 M					1100 K
Frothers	11 12	bro si					-			_			3 GALTON
falf-brothers . Ialf-sisters	13 14	fa sen fa da				15 16	me son me da						tun
Nephews Nicces	17 18	bro son bro da				19 20	si son si da						thur
first cousins Male	21 22	fa bro fa si s				23 24	me bro son me si son						un.
First cousins Female	25 26	fa bro fa si o	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			27 28	me bro da me si da						tuy"
		egr. Title.	No. who sur- vived child- hood,	T. 10.1	Initials Maid				Wife's brothers and sisters.				nut
	Regr.			of the note- worthy,	their m	en name other, y wife,		r.	Titles.	Initials of the noteworthy.			opp
Sons	29	50							Wi bro Wi si				the m
Daughters	30	da							fa <b>Harri</b> e				m
Daughters	30(2)	so(2)							w(2) Wi bro w(2) Wi si w(2) Hu bro ha(2) Hu si				0 5

F. 21r

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1. Jafafa. R.A. Hobert austen. of Chalford. Was an archaeologist a numismatologist, he formed a fine collection of Pomaw & Euglish Cours, which were purchased outis death by the authorities at the mints. he collected much interesting information regarding the history of The Quildford neightourhood. For his time hehr. derstood he value of maps, 2 was a food Luroeyor, I have a Thap of the Boundary of Brauley Parish Executed by him. 1-2. fa, fa. H. E.A. dir Hewry Edund Custer K. of couriderable ability miterested in forestry 2 planded largely ou the Istate much of which is Still Standing & addings to its hearing, soferielle The Scotth Fir , he also like his father Knew the value of majors of a property, shad spulleves suls make under his superintendances . he formed a lood collection of vil paintings. 103. fa R.A.C.G.A. Robert alfred floyne Toowin austers. F.R.S. F.G.S. de. F.M.D. Educated it briel College . Oxford - a there he faw the Study & Geology under Buckland, he has bleeded a fellow of The Geolog! Societe m 1830 . a his first field-labours were in Deroushire arounded with Sedgeoide a De la Becke, whe formed a splendid collection of forsils in The new Loourhood of newtou Bushel wh he presented A the Jering my As Museum - He wide an hu Sealogy of the Vilig Devou 18345-40, whis maps has one the mond detailed then sublished . He noted the human Hemains moto fluit-arrow heads a in hearts Ca new at this live - He wirte numercous papers on the scolopy of currey - the valley of the Inplish Chaunel, buch perhaps his most

oripical takes work havin 1856. On the pointle galention of the Coal Measures lie neath the Jouth Eastern part & neglaced + Cince confirmed by the fundice of coal at Dover & town Canterbury. Vouce 40 papers ou Leology were mitter by time , oue of his greatest frends has Prof. Id: Forkes Who died in 1854, Thing the words of Murchison Me Colorie austen has " presuchently the physical Geographer & by pace per risto " He left like many new a large amount of mcompleted world, he med with a strain at the norwich needing of the Bridion association which produced an ableas near the Stowach, it told Noon his coustitution the was never The Value man for world sitter of mind or body afterharda. hoff. me fa. T.H.G. Thomas Henry Godioin. General. K. C. B. Had a distinpushed record of service. In the Reminsula, where in the 9 th Foot. was in reveral actions. wounded at Barrosta. In the 13 Bronnese war of 1884 - Whithe 418 tool which he commanded - he led me staring party at The Capture of marteban - In 1857. Le Was Brigadier See Commandy the diskind bit Blufel Presidency . Low war breaking out who Burmah he was appointed & Commated the army affect The operations leeve to the Capture of Manjoon Latter towns, & The annexation I hie Prosting Alen & m Ludian Sunfire \_ in 1853 - he died at linka of return from This Service . he 10. 600. H. G-A. Harold God win auster. Indian Civil Service ( uncoocuated) - Kas abbainted an aprist formings in the audaman folands in 1877. a lowed 13 years here

3. Smologed at fints as a Civil Supres mothere of the Jance work in the Island - after than magestered Capacety. he was delected by hey Shias & account bancy him on a mission to Jarkand & Kathger The is a present a by Committees in Beeras Vanta cudia, - he assented me by collecting holfme objects quat his long when in he audamand M.E.G.A. maria Slizabeth Godwin-auten. an accomplished musician, and kery food at drawings in peux peucil - tothe au merest in natural history. I was certainly above the averages of women of her time - the attained ne aje 291 80.11. Si'. Sou B. H. M. H. Bertram Mury Majoudre Hewett. Studious & clever - very Farty Tool au miterest in Geology ver Passed will for his P. Sufficience Jouth Keuding on as a Civil Ingineer - was apprece In tweater ances, greatherd & redan asses? on mi Construction of the Luber. line - the Claphan purch selencion - taid out The Solui flow Splen sion - and is how mohere Jine main thath of hi Tunnel nuder to Rivers at new york , a great work - In # Lunner of 1903, he jound Wa Was Bullack Workman man by peortion to the great staccers of the muztable Rauge, Karlinin, & made an Exallent turvey of Leveral Placeers an a large Scale Than In Subian Curvey, X brought baile a very beautiful series of photo papelos of this inbreshy bit of country 1012 Si. Son P.A.L. Philip Austen austinplow. Is choor tile to many of his famile - Has been work At A School, fr Choice being fourd of teaching, and has lating been ordained

hof. bro. R.A.G-A. Rober alfred Todowin- austen has kertraps fall my fathers Jain the cleveresh atook kery much after him - did very well al School & passed well for the Civil Geroice, which he was jush about & jain - in the Part, when he was accidentally shop and rabbit shooting hog F. G-A. Has bright & clever - Indied for 640. The Ludian Forestry Dept, but his Short Lighted ners, presented his hence taken for that deroid. he then beent up & passed for the army seesed in his west Judies of outh aprice and has muchually Killed the with nearly the Whole of the Batt of the 24 ? Reals which he was a fieut. at Isaudlawana Zulu war .

hon I fa. bro. Burgal A.G.A Albert George auter - General . Royal artillery In the Sith Canchain - at this saller of Scroshero, alivel Jobraan Ce. Mer ward in his endine muling. the two operations near Cawuput 20, was a very cliver Water Color offiman a oro A.S.A. algernon anslen Captain R.h. has I very good ability - Served in the Milling har paried an manuation in Alaw Mar. Action + Jean mprues & was hum picer for come bine an canthampton of H. M. Mael. Steamers. In Conduciou I would add. Si - My 1st, 200, 232, 2 Star Sisters, have all a taste for drawing when going, a became pro

goidenthe interested of Their father & mother. I can metude my sider brother also. 5 my Low, in shewing Junilar talent 910 13. Sou. Noterharthur 94. Had sycellent sortily at school & Wellington, with a won dirful mensory for learning rapidly - passed well not as Me Irving Told me Whene You well at Science cheunsty te had to remained on his class why bellington buch as the course face nothing worth having lowards marks at he mandruig your the gave it up for Ussict which lave more - I'm he dring he wind taken n/s any hing eyond the neuel nept will

F. 29, 1. NOTEWORTHY KINSFOLK OF Lieut. Colonel H. H. Godwin- austen, FRO. ("WHO'S WHO" contains all that is wanted concerning yourself.) \*\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN. bro = brother; da = daughter; fa = father; Hu = hasband; me = mother; si = sister; so or som = son ; Wi = wife. fa bro ton means "MY father's brother's son IS"; me da means "MY mother's daughter IS"; so Wi bro means "MY son's wife's brother IS"; &c. Exact kinship briefly phrased. Exact kinship briefly phrased. No, who survived child-hood. No. who sur vived child-hood. Full names of those whose initials appear in the preceding column. Common terms of kinship. Initials of the noteworthy. Initials of the Title. Regr. orthy Title Regr. Regr. Title. tatata R.A = Robert Austen fa, fa fa 1 R.A. fa fa. H.E. A = Sir HY Id moud acester fa. R.A.C. GA = Rod Alfred Cloyne Jola A H.E.A. 2 T.H.G. Grandfather . 1 3 me fa 5 3 Grandmother 2 fa me. 4 Inc. me M.E. GA. Maria Slizabeth Jodus: Auster 45 me 15 R.A.C.G-A Father . . . fa T.H.G. - General Sir Thomas H. Gostoin, K.C.B. 5 el. mefa 3 M.E.G.-A Mother . . . 6 me 6 A. G. A. Gue albert for: austin R.A. A.S. A: Capt Algenns. auten R.N. 7 A.G.R. fabro 5 Uncles . . . 7 fa bro 9 me bro 0 14 fa si fabro Aunts. . . . 8 1 10 me si 0 7 R.A. A = Rol Alfer godon Ruster F. 244 F. G. Inede Godon Ruster I-244 Regt 11 H.G.-R R.A.GA 8 770 6 Brothers . . II bro 10 300 9 Sisters . . . 12 si 9 GA H. A. Harold Godioin auster 11 10 0 650 Half-brothers fa son 15 0 13 me son D.y Counifer 0 Half-sisters . me da 14 fa da 0 16 B. H.M. H. Berham Hewry majeudie Hewett. C. Q. P.A.L. A Philip Austen Lushington R.A. G. Robert artur Goluston major late Doruck Reps. 73 B.H.M.H 19 Silon 5 11 Nephews . . 17 bro son 19 si son 3 P.A.L. Nieces . . . . bro da si da 18 20 3 12 Silon 0 First cousins . 21 fa bro son 23 me bro se 29 13 Son Male . . . 22 fa si son 1 24 me si son 0 63 0 fa bro da me bro da First cousins . . 25 27 0 Female . . 26 fa si da 28 me si da Wife's brothers and sisters. Initials of the note worthy. Maiden name of their mother, your wife. Vear of her marriage. vho su vived child-Regr. Title. Initials of the noteworthy. Titles. GALT 1881 Pauline Goorgina phichley Plowdew marriage. so Wi bro PAPER Sons . . 1 29 30 so Wi si da Hu bro 0 Daughters 30 da da Hu si 12 Dessie Robinson 1881 10(2) Wi bro marriage. 0 Sons 29(2) 50(2) so(2) Wisi da(2) Hu bro 0 Daughters . 30(2) da(2) 2nd da(2) Hu si Signature and Address of the Sender

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TELECRAPH ADDRESS . 316 July 1golf , OWER BEEDING ... SOUTH LODGE. HORSHAM. My dear Gallon, I am dorry you had blend me a reunder. but the Compilation was here nearly done. I hopedhave nor made & too full , buch be are a numerous famile for Law the Eldesh h 1 1, 3' Dyne very your - I am here Slayn Kinday rithe Fred Gottuan a a beek moring has allowed mes to polish illigh beline we . mes times Millodun austen hy addressis Godaluing

F. 23, hore. Godal uning , 6 w/uly 1904 In sending you form of holeworthy Runfolle - I Thuile I pup up on Color which I had mended to help for myself. I to will you Kindy Rend the worst back Madwin auster. (S)

F. 230 CARI THE ADDRESS TO BE WRITTEN ON THIS SIDE CONÓ Francis Gallon Site 42 Rutland Cates Loudon . S.W.

F. 24r no letter NOTEWORTHY KINSFOLK OF D' George Gore, 420. ("WHO'S WHO" contains all that is wanted concerning yourself.) \*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN. bro = brother; da = daughter; fa = father; Hu = husband; me = mother; si = sister; so or sout = son; Wi = wife. fa bro son means "MY father's brother's son IS"; me da means "MY mother's daughter IS"; so Wi bro means "MY son's wife's brother IS"; &c. Exact kinship briefly phrased. Exact kinship briefly phrased. No. who sur vived child-hood. No. who survived child-hood, Full names of those whose initials appear in the preceding column. Common term of kinship. Initials of the noteworthy. Initials of the noteworthy. Title. Regr. Regr. .Title. Regr. Title, Grandfather . . I fa fa 3 me fa Grandmother 2 fa me 4 me me Father . . . fa 5 -Mother . . . 6 me me bro Uncles . . . 7 Ja bro 9 Aunts. . . 8 fa si. 10 me si Brothers . . 11 bro si Sisters . . . 12 Half-brothers 15 me son 13 fa son Half-sisters . me da 14 fa da 16 Nephews . . . bro son 19 si son 17 bro da si da Nieces . . . . 18 20 First cousins . 21 fa bro son 23 me bro so Male . . . 22 fa si son 24 me si son me bro da First cousins . 25 fa bro da 27 Female . 26 fa si da 28 me si da Wife's brothers and sisters. Initials of the note worthy. Maiden name of their mother, your wife. Year of her marriage. who su vived child-Regr. Title. Initials of the noteworthy. Titles, Sons . . so Wi bro 50 29 Hamah Quer 1848 so Wi si Elice Augusta Gore da Hu bro A.A.G Daughters 30 da da Hu si marriage. so(2) Wi bro Sons 29(2) 30(2) . . so(2) Wisi da(2) Hu bro 30(2) da(2) Daughters . znd da(2) Hu si George Gore. 20 Easy, Row. Birming ham. april 30 - 04 Signature and Address of the Sender (5)

#### ABILITY IN FAMILIES. By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

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#### CARLTON CLUB,

PALL MALL.S.W.

f.25

19 (si son) W. g. Clay Bell Scholar (Caub:) 1885 q" wrayles 1887 member of Alpine Club

20 (sida) H. E. Clay BA Lad 1882

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F.20

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F.27r

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FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W. F.271

Noteworthy Relations of Prof. 7. Jotch 3. Me Fa. Ebenezer Foster. Founder of well-known banking firm Mento Foster g Cambridge -Frederic holliam Jotch L.L.D. Late Presi-5 fa. dent of Baptist College Bristol. Hebrew Scholer - member of the Committee for the Revision of The Old Tastament Authorized Version 21. fabro son. Thomas Cooper fotel - well known painter. see "Whos Who"\_ Wi bro - Si Victor Horden 7RS. See Whos'lho, GALTON PAPERS

Francis Gotch, (b.1853), D.Sc., F.R.S., Waynflete Professor of physiology at Oxford: formerly Holt Professor of Physiology at University Coll., Liverpool. author of many scientific papers. (Who's Who)

me fa Ebenezer Foster, Founder of well known banking firm of Messrs. Foster, Cambridge. fa Frederick William Gotch, LL.D., late president of Baptist College, Bristol: hebrew scholar: member of committee for revising the Old Testament authorised version. fa bro son Thomas Cooper Gotch, (b.1854), well known painter. (Who's Who) wi bro Sir Victor Horsley, g.v.



F. 29

2 NOTEWORTHY KINSFOLK OF Pespersor F. Gotch, AS., 70.9. ("WHO'S WHO" contains all that is wanted concerning yourself.) \* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN. bro = brother; da = daughter; fa = father; Hu = husband; me = mother; si = sister; so or son = son ; Wi = wife. fa bro ton means "MY father's brother's son IS"; me da means "MY mother's daughter IS"; so Wi bro means "MY son's wife's brother IS"; &c. Exact kinship briefly phrased. Exact kinship briefly phrased. No. who sur vived child-hood. No, who survived child-hood. Full names of those whose initials appear in the preceding column. Common terr of kinship. Initials of the noteworthy. Initials of the noteworthy. Title. Regr. Regr. Title. Regr. Title. Ebenezer Foster me fa 3 Grandfather . Ι. fa fa 3 me fa E.F. Grandmother 2 Ja me 4 me me Frederic William Joteh F.W.C. fa 5 Father . . . 5 -Mother . . 6 me 4 2 Uncles . . . . 7 fa bro 9 me bro 2 Aunts. . . \$ fa si 10 me si A COLI 20/ K Brothers . . 11 bro GALTON 3 si Sisters . . . 12 PAPERS Half-brothers 1 13 fa son 15 me son Half-sisters . 14 fa da 16 me da fa sonson 3 43 Nephews . . . 19 si son 17 foro son da 1 to broson Thomas Cooper Jotch si da Nieces . . . . 20 18 21 T.C.G 8 First cousins . . 21 fa bro son 4 23 me bro se Male . . . 22 fa si son À 24 me si son 0 3 First cousins . 25 fa bro da 1 27 me bro da 5 Female . 26 fa si da 28 me si da 2 Wife's brothers and sisters. Initials of the note worthy. Maiden name of their mother, your wife. Vear of her marriage. who sur vived child-Regr. Title. Initials of the noteworthy. Titles. Victor Alexander the les Horsley 1887 Rosa P Wi bro V.A.H.H. Sons . . 1 50 29 Horsley Wi si Har been Victor Geptle L 3 da Daughters 30 Heri H marriage. o(2) Wibro Sons 29(2) 30(2) p(2) Wisi 4(2) Harin Daughters . 30(2) da(2) Signature and Address of the Sender Francis fotch She Lawn Road Offord

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f. 301

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da(2) Hu si

Signature and Address of the Sender

30(2) da(2)

Daughters .

Ind

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Please address the completed results thus, not omitting a large and very legible S in brackets, in the bottom left-hand corner :

FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W. F. 31V

F.321 GALTON 5 II, CHELSEA EMBANKMENT, - (5/ no fa S.W. James Grant Buff (See Rich on any of National BLOSZaphy) While still a lientenant, agod 28, In the Bombay frencedies, was put & Mountstant Elphinston in change of the Satara State m Trestan miles a territory about as lays as a third of Scotland. He reduces the country to order after the final outhow of the Peinhima + restor it Societually mide he adas of frum--mut, to be desimant of it ancient princy, whom he gended as Riswent, Till his hearth hadedown, at kinge of poer

geard Dult F32V 33, and he utuma to suppor in the higmy of 1823. There he funder hater ghe hamatta but, after it was published, speak nearly all his time in the North of Scotland "improving" has properly according to he ideas of the time + lwy much in the open ain, shorting futury of By his cown he prolonged In life, though who matter health, to a food and ago but was new able to do serious work again. M. P. fant Duff

Sound Duff F.33 W.A. (1) mefa Son Whitelaw Ainshie - M.D. anthon of the Materia India g. v. v. Superntendny Mycon of the Souther Division of the Mairas army. M. E. front Duff, PAPERS

See Freyn Office List F.34 Algo - 29/ II, CHELSEA EMBANKMENT, s.w. Athan fiming hame frant Duff Succeeded in the Competini examatin for the Diplomatio Servia - 4 now Charji d'affains m Mesico. age 43 (on May 28. 1904) M. E. fand Duff PAPERS

Grand balt F.35 L.M.G.D See Fregn Audit 29. 50 Wilyn Mount toart frank Suff Succeeded in he competion man-- ination for the Dylomatu Service is now Fart Scartany in Penia aye 40. M. S. frank Cuff PAPERS

Rt. Hon. Sir Mountstuart Elphinstone Grant Duff, (b.1829) G.C.S.I., P.C., F.R.S., sometime Under -Secretary of State for India, & for the Colonies, & governor of Madras: has been Lord Rector of Aberdeen University, & president of King's I wo the of Britis Mascur stra 1903 many learned societies; author of political, literary, (Who's Who) & biographical works.

fa James Grant Duff, (1789-1858), while still a lieutenant, aged 28, was put by Mountstuart Elphinstone in charge of the Sattara State: he reduced the country to order after the overthrow of the Peishwa, & restored it to the descendant of its ancient princes, whom he guided as resident till his health broke down at the age of 33. He returned to His county, & there finished the "History of the Mahrattas" published 1826. (Dict.N.Biog.) me fa Sir Whitelaw Ainslie, (1767-1837), surgeon in the East India Company's service, 1788-1815: published "Materia Medica of Hindoostan" & other works. (Dict.N.Biog.) son Arthur. Cuninghame Grant Duff, (b. 1861) secretary to H.M.'s

legation, Mexico, since 1903.

Son Evelyn Mountstaast fromt Duf (6 1063) Fine Searchary 10-He to depation in Porsen. Son Adrian frank Dal (6 1869) The Black Watch, Staff captain

Carmy Head Zuarten.



see letters at back f. 37r NOTEWORTHY KINSFOLK OF The Re. Hon Sui In. E. Grant Duff, G. S.I. HRO. ("WHO'S WHO" contains all that is wanted concerning yourself.) \*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN. bro = brother; da = daughter; fa = father; Hu = husband; me = mother; si = sister; so or son = son; Wi = wife. fa bro ton means "MY father's brother's son IS"; me da means "MY mother's daughter IS"; so Wi bro means "MY son's wife's brother IS"; &c. No. who sur vived child-hood. Exact kinship briefly phrased. Exact kinship briefly phrased. No. who sur vived child-hood. Full names of those whose initials appear in the preceding column. S a Mustelaus Arnulus Initials of the noteworthy.  $\mathcal{W}$ .  $\mathcal{A}$   $\mathcal{T}$ .  $\mathcal{G}$ .  $\mathcal{B}$ Common terr of kinship. Initials of the noteworthy. Title. Regr. me for Regr. Title. Regr. Title. fa 5 James Grant Dall Grandfather . 1 fa fa 3 me fa Grandmother 2 fa me 4 me me Father . . . fa 5 -Mother . . 6 me Uncles . . . . 7 fa bro 9 me bro 8 fa si me si Aunts. . . . 10 Brothers . . 11 bro -Sisters . . . 12 si Half-brothers fa son 15 13 me son Half-sisters me da PAPE 14 fa da 16 Nephews . . bro son 19 si son 17 Nieces . . . . bro da si da 18 20 First cousins . 21 fa bro son 23 me bro so Male . . . 22 fa si son 24 me si son me bro da First cousins . 25 fa bro da 27 Female . 26 fa si da 28 me si da Wife's brothers and sisters. Initials of the note worthy. Maiden name of their mother, your wife. Vear of her marriage. who su vived child Regr. Title. Initials of the noteworthy. Titles. Anna Julia so Wi bro acyd 1.u.go 1859 marriage. Sons . . 29 50 4 so Wi și wehter da Hu bro Daughters da 30 4 da Hu si marriage. so(2) Wi bro Sons 29(2) 50(2) . . . so(2) Wisi da(2) Hu bro Daughters . 30(2) da(2) puz da(2) Hu si Signature and Address of the Sender Mounts That &. Great Sulf 1. Chilsen Sulautant

By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

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FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W. 6.37.





The University,

Melbourns. 11th. August.. 1904.

Dr. F. Dalton, 42 Rutland Gaté, London, S. W.

Dear Sir,

I must apologise for the delay in reply to your circular, but our family papers are in England, and I would rather consult my sisters before sending in a reply. They know the family history much better than I do. I shall be back in England at the end of October, and will let you know as soon after that as possible.

Yours sincerely,

& W Gregory



6.39

F. 40 r additional paragraphs 9. Nev. Charles hagel Obtained high competitive ances helt and distinguished position in The Lutheron Church of Wirtemberg but died at the age of 36. 23. Nev. Charles hagel Son of preceding; one of the heads of the Lutheran Church of Ben sylvania 29. Robert Theodore Sunther See Who 's who? Latest achieve, ment : geographical researches in The heapolitan region. 29(2) Frederik albert Sunthey Notained scholarships at St. Raul's I chool, and , at present, last ergred the at Christ Church, Daford. as to, wife's Brothers n Sictury over

f. 40v Professor William Carmichael Machatoch is a F.M.S. Major Honry Dawrick Brake is a descendant of a brother of Sir Francis Drake, has parced Through Eard hurst, has held several Staff-appointmenti, and is, at present, professor of Fortification at Greenwich follege. ALIGN PAPERS IS to have antera chips as St. Party reteal, and , a present, and ignal Spie I show hill

# NOTEWORTHY KINSFOLK OF Ar. a. C.L. G. Gunther, F.M.S.

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("WHO'S WHO" contains all that is wanted concerning yourself.)

1

E.HIr

\*\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

	mmon terms of kinship.	Exact kinship briefly phrased.		I. who s	d Initials		Exac	t kinship phrased.	No. who survived	AUD	tials of the teworthy.	Regr.	Title.	Full names of those whose initials appear in the preceding column.
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	andfather	1 2	fa fa fa me				3 4	me fa me me	11					
	ther	5 6	fa me	11							_			
	ncles	7 8	fa bro fa si	32			9 10	me brø me si	3		C. n.	9	Res.	Charles Magel
	others ters	11 12	bro si	10			11	-			=			GALTON E
	lf-brothers	13 14	fa son fa da				15 16	me son me da						PAPERS OF
	phews	17 18	bro son bro da	3			19 20	si son si da						
Fi	rst cousins Male	21 22	fa bro s fa si si		144		23 24	me bro son me si son	1.3	C	N	23	Nev.	Charles hagel
Fi	rst cousins Female	25 26	fa bro fa si d	3.0			27 28	me bro da me si da	?					
				No. who sur-	Initials		name c		of	fe's broth	ers and sisters.			
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	Daughters .	30	da						Ra	Hanzi				
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2nd n	Daughters .	30(2)	da(2)	/						2) Huni	L Catter		m.A.	Henry Jadrish Brake

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FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W. 6.411

hoteworthy kinefold of 10the Leatt Huldance 1, fa fa. James alexander Haldance and fa fu, bro. Robert Haldans were noteworthy leaders of the Evangelical movement in Scotland during the first half of last century and authors of various theological books ( Lee "Lines of Robert & James Haldane") 7. fa bro. Daniel Rutherford Haldans, M. D., a well-known plysician and lectures in Un Edinbrugh School of hadience, and President of the Royal College of Myrecans, Edinburgh. 9. me bro. Sin John Burdon Janderson Bar! In D, F.R.S. Le. Rog of Physiology, & later Requis Prof. of herdicine, huir of Onford hell known as a physiologist: 11. lero. R. For the Richard Burdon Huldane K.C., M.P., L.D. a distinguished barrister and politician. Author of several philosophical books, including "The Pathway to Reality" (Eifford Lectures). 12. Si. Elizabeth Sanderen Haldane, authoren of life of Ferrier", translation of Hegels History of Philosophy, Le. 21 for bro son. alexander Chinnery Haldane. Bishop of argyth a the Isles 21 fabre for Colonel James aylunes Lowthorpe Haldane D.S. O. an officer who has won rapid promotion . anther of "How we Escaped from Pretories" When Burdon Sanderson Haldame, a boy of peal-fromise. Has taken many bujes at school. 22 So.

Among noteworthy kinsfolk further back than paudfather Imay mention When Scott, Lord Chancellor Eldon, and Lord Stowell (also a peat lawper) who were uncles of my mother's father; and admiral Duncan and Several Soi Ralph abererounly, who were coles of my father's father.



			VRITE AT	FIRST FAI								d concerning MEMBERS OF			MATISFIED, INK IN. PAPERS	
	fa	bro son	bri means "	y = brother MY father	r; da = daug 's brother's s	hter; <i>fa</i> = on IS";	= father $j$ Hu = husband ; me = mother ; $ii$ = sister ; so or son = son ; $Wi$ = wife. me da means "MY mother's daughter IS"; so Wi bro means "MY son's wife's brother IS"								wife. wife's brother IS"; &c.	
	common terms of kinship.		ct kinship y phrased.	No. who sur- vived child-	Initials o notewo			et kinship ly phrased.	what what what what what what what where we have a second	No. to sur- ived hild-		als of the leworthy.	Regr.	Title.	Full names of those whose initials appear in the preceding column.	
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	ather	5 6	fa me	-						-		-		1.1.	Daniel Rutherford Haldane S. John Burda Sanderson	
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62,

#### ABILITY IN FAMILIES. By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

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FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W. 1.2V

John Scott Haldane, (b.1860), F.R.S. University lecturer in physiology 'Oxford: joint editor & founder of "Journal of Hygiene": has served onseveral departmental committees, & carried out other special enquiries for government depts.: author of Blue Books on the causes of death inee colliery explosions, 1895: Ankylostomiasis in Mines, 1902&3: etc. (Who's Who)

+ St Margaret Rd, Oxford

Lad India Gaugan fa fa James Alexander Haldane, (1768-1851), first congregational In the navy tell 1797 Theugan minister in Scotland, 1799: founded the Society for Bropsgating up his life + means to thenerary even the gospel at Home, 1797. (Dict.N.Biog.) Was in the Royal havy till 1797 gelization in Scotland. also fa fa bro Robert Haldane , (1764-184?), spent largely in found iding in Juden opual trations to indowing tabernacles & seminaries: co-operated with his brother in Edinburgh: // carried on evangelistic work in Geneva & southern France, 1816-1819. (Dict. N. Blog, Kawe & Robert Jan. fa bro Daniel Rutherford Haldane, (1824-1887), M.D.: Im alexander Haling president, Edinburgh College of Physicians: LL.D., at tercentenary of Edinburgh University. (Dict.N.Biog.) me bro Sir John Burdon Sanderson, Bart., M.D., F,R.S., etc .: (Q.V.) bro Rt. Hon. Richard Burdon Haldane, K.C., M.P., LL.D., a distinguished barrister & politician: author of several philosophical books, including "The Pathway to Reality" (Gifford Lectures). (Who's Who) si Elizabeth Sanderson Haldane, authoress of "Life of Ferrier", translator of "Hegel's "History of Philosophy", etc. fa bro son Alexander Chinnery Haldane, Bishop of Argyll & the Isles.

fa bro son Lt.-Col. James Aylmer Lowthorpe Haldane. (b. 1862) D.S.O., has served with distinction in Chitral, Tiral etc., & in S.Africa, & has won rapid promotion: author of "How we escaped from Pretoria". (Who's Who) me fa me bro John Scott, 1rst. Earl of Eldon(1751-1838). famous Lord Chancellor of England. (Dict.N.Biog.) me fa me bro William Scott, 1rst Baron Stowell(1745-1836). judge of High Court of Admiralty. (Dict.N.Biog.) adam, Vislount fa fa me bro fa fa me bro Duncan, (1731- 18 04 ), admiral: Won the battle of Camperdown, 1797, Where by gread gracion, hereit Earl of Careforion fa me bro Sir Ralph Abercrombie, (1734-1801), general: served with distinction in Flanders, 1795: commanded expedition against French in West Indies, 1795-6: commanded troops in Mediterranean 1800: proceaded to Egypt & defeated French at Alexandria, where he died of his wounds. (Dict.N.Biog.) fa fa me bro Sir Robert Abercrombie, (1740-1827.), general, governor & commander-in-chief in Bombay, 1790: reduced Tippoo Sultan, 1792: conducted the 2nd Rohilla War. (Dict.N.Biog.) fa fa me bro son James Abercromby, 1rst Baron Dumferline, (1776-1858), son of Sir Ralph Abercromby: judge-advocate--general, 1827: Speaker of the House of Commons, 1835-9: (Dict.N.Biog.)

These Englit perhaps be omitted ? ?. S. H.

fa fa me bro son <u>Alexander Abercromby</u>,(1784-1853), son of Sir Ralph Abercromby: colonel A.D.C. to Sir John Moore: served in Peninsular & Waterloo campaigns. (Dict.N.Biog.) fa fa me bro son Sir <u>John /bercromby</u>,(1772-1817),general: son of Sir Ralph Abercromby: distinguished himself under Gen Hutchinson in Egypt:captured Mauritius 1809.(Dict.N.Biog.)

29.6. 1504 Halliburlow CHURCH COTTAGE, 17, MARYLEBONE ROAD, N.W. Loudan. Sen Lin, Ihan not replied to Jun ununcation re hote worthy kunpolle because my t shere y family reach really know but htthe of my relations. herry there wow horry I cutany caunt hout to augure who is ustronty in the servery your letter. last fear never Maines

f. 5v GALTON note except as a hismens man. He was possessed of exception allety in this meeting, as is undered by the fact that be left 790,000, that he came the with the provided shalling in his houter as a boy. The Hallhutons were munily about family and the name hus moryone variations in shelling (Hali; Holly- etc)

Si Walt Scott's mother v grandhedten was mey here. Then there han been cutain Swithin durines of the name. he who Manuel the obliquet of Holy Hallyburton Mained andrake reperts por lin witz. I saw a wotice of have in the Dilling of hat . Brograpley . Pulages the unt noteworthy have of the have is the me who but to Nova Sutra, and Frame Judy Halehuten Mus with under the mane of

Sam Slick. I was interests in fuding a Cambian tom haved after lim; and in Nova Scotie they have Halikutur dub, as we have aboun Clubs. I then the present Ind Haleburten, formerly atthe War open is his on But what relationship is any exists have the and unpell ? count say. 20 hust ha tistant me at all courts Successory , > W. Stallehut

f.7r COLLEG GALTON PAPERS ROSSLYN, WESTBOURNE ROAD, FOREST HILL, S. E. 12 July 1904. Dear Dr. Galbon, I am acuting this Force filled in, but it is Imbiful if gn will fiad of gray are. I so not know of any ancedo who was particularly kotecong except my fasher mother he had not begreather his property to my fasher perhops we sh? not have skught 20 much this achievements! When I was a chill of leve? You brought up to haven & lifter over some palisades on to his tomb - a large square one

F.7. WELS, TAXA BOILDON where I read with a boys prick what the Arminal tis to the Dutch toward the close yhe 18th century. The Is Charchy and at Cemberande has long been disused, tis non covered over with trees, busher, I. & These not been able to find the trub again. My father got through his thickes mmeg hefre I was bour, + alway I sais there pay In pleasing with it - it was the price of blood

he herenely when Peace Souid man. My mother (nee Mars Stevenson, uses to talk of her Uncle General Storeaus but I do not know his or where he disting winted himself. Her brothers bere all sea captains. There have been many works men in the family but ky Your incerely Robert . Harley. Traucis Galfn, Eq. D. C. L. F.S.S. L. H. K. h. h. h.

# NOTEWORTHY KINSFOLK OF the Rev. R. Harley, FRS. ("WHO'S WHO" contains all that is wanted concerning yourself.)

\*\*\* WRITE AT FIRST FAINTLY IN FENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

	nmon terms		t kinshi phrase		sur- Initial	s of the	Exa	Exact kinship briefly phrased.			nitials of the	Regr.	Title.	Full names of those whose initials appear in the preceding column.		
0	f kinship.	Regr.	Regr. Title.		d- note d.	worthy.	Regr.	cl		ld- od.	noteworthy.	124				
	ndfather ndmother .	1 2	fa fa fa me		1.74		3 4	me fa •me me		2.5		fameho	W.M.	Sin William Mitchell, Knt.		
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	st cousins , . Male , . ,	21 22	fa bro fa si s				23 24	me bro so me si son		1					GALTON CO PAPERS	
	st cousins Female	25 26	fa bro fa si a				27 28	me bro da ? me si da 0			. HC					
		Regr.	Title.	No. who sur- vived child-	Initials of the note- worthy.	their m	den name of Year mother, your he wife. marri		r of	Wife's bro	hers and sisters.	-				
rriage.	Sons	29	50	hood.		-	a et	_ 18:	54	f Wi bro	noteworthy.					
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2nd n	Daughters .	30(2)								da(z) Har	*		in the	e Rona, S. 2.		

R9r

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For want of space, the forms for the four kinds of great uncle are omitted, namely, *fa fa bro*, *fa me bro*, *me fa bro*, *me me bro*. Similarly as to the great aunts. If any of these should be noteworthy their names may be entered in the third column, preceded by their proper titles. So may grandchildren. Eminent kinsfolk in still more distant degrees can be added in the like way, if thought desirable by the compiler. The noteworthy names should be written successively in the third column in any convenient order. There will be ample space to hold them all. Fqu

The number of kinsfolk in each degree who survived childhood is wanted as a clue to the intensity with which ability (as indicated by success) characterises each family.

A separate paragraph on fresh paper should contain the noteworthy facts relating to each person whose name appears in the last column of the schedule. These paragraphs should be written consecutively, and the heading of each should consist of the Register number, the Title, and the full Name of the person to whom it refers, transcribed word for word from the last column of the schedule. Each paragraph should be as brief as may suffice to give a just idea both of the *quality* and of the grade of ability in the person referred to. Thus the mention of a high success in one branch will render those of minor ones in the same branch unnecessary, on the principle that the greater includes the less. But if the record of any minor achievements testifies to success in different pursuits and therefore to the possession of general ability, they should be included. Also such as may testify to precocity, to slow development, or else to persistence of effort.

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FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W.

Filor COLLER King's College, GALTON PAPERS Cambridge. May 31, 1904 Dear fir, In sending you the Enclosed information I wish & remark that home of my relations come stricts within your depution of-"hoteworthy". But un father is a Candidate for Election & the Royal Societ, and I venture to hope that he will be Successful before long. Although he received no scientific Education, he did good Geolofical work when a going man. Then followed a

FILON long period during whech his whole altention was taken up by business and unicipal matters He again took up securific work on practically returning from bromess; and most offices best work has been done sure then Although none of my fatteers Sister's sous have achieved "noteworthy " success, they have all had a considerable measure of success which falls show ofyou definition. This appears

to me worth indicating. I may, however, remark that I think it probable that much of their alility is derived from their father, who does not come into the Enquing. I cannot help wondering whether the last two blanks are correctly indicated : - that is to day, whether You did ust mean & Enquire as to one's own wife's brothers and sisters and ust as to ones childrens wife's or trat husband's relations. Junain yours very truly S.F. Harmer Ir Francis Galton, F.R.S.

Notewo							1-121				5. 7. A			IVE	PAPE
				(" Wно	's Who	o" cont	ains all	tha	it is a	wante	d concerning	r yoursei	(7.)	(?	
	•.• \	VRITE AT	FIRST FAIN	STLY IN PE	NCIL; COR	RECT LE	ISURELY I	N CO	NCERT	WITH	MEMBERS OF	YOUR FAM	ILY: WHEN	SATISFIED, INK IN.	
fa	bro sos										er; <i>si</i> = alster er IS"; <i>so Wi</i>			= wife. s wife's brother IS"; &e.	
Common terms of kinship.	brief	ct kinship y phrased	vived child-	Initials notewo		briefly	et kinship y phrased.	who vi ch	ved ild-		ials of the teworthy.	Regr.	Title.	Full names of those whose initia appear in the preceding column	ls
diace	Regr.	Title.	hood.			Regr.	Title.	- he	hood.						
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				F	11				-					Frederic William Ha	arr
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Uncles	7 8	fa bro fa si	0			9 10	me bro me si	14.1	2						
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Sisters	12	si	Ĩ	-		-	-		-					William Dorglas Ha	th
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Nephews	17 18	bro son bro da	[1 still a chief	]	Land Service		si son si da	0	0					Alfred Jefferis Tur	mer
First cousins Male	21 22	fa bro so fa si so		A.J.T F.M.T L.H.T B.B.T.		23 24	me bro so me si soi	100	0					Frederick Meadows "	"
First cousins	25	fa bro i	la O	E.P.T.		27	me bro da		1					Lawrence Herbert	
Female	26	fa si da				28	me si da	Sales Internet	4					Benjaniin Bernard	1 "
			No.	Y-11.1.					Wife's brothers		ers and sisters.			[Ernest Paul	4]
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Z Daughters .	30		hildren)					-	da H	u si	in the second				
Sons	-	) so(2)	-						so(2) da(2)	Hu bro					
Daughters .	Jorgan	1			-			-	da(2)			1		1	
Signal	ure a	nd Ada	tress of th	he Sender	. %	all?		sid	lucy	Fn	ederic t	tarm	er	ulridge 1904	

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FRANÇIS GALTON, 42 Rutland Gate, (S) LONDON, S.W. Fil2v

F.13 Frederic William Harmer 5. fa. Founder and head of a large manufacturing business Author of numerous papers on Geology. Nurchison redallist of the Geological Society (1902). Membre Associe Stranger Soc. Belge de Géologie. Forments Mayor of Norwich. Is a Candidate for election into the Royal Society. 22. fa si son. Alfred Jefferis Turner. M. D. London . Gold Medellist University College, Londan. Physician lotte Children; Hospital, Brisbane. Is working at Australian depidoptera. Frederick Meadows Turner M.D. Cambridge . 22. fa si son. Scholar of Trinity College, Caulridge, Medical Superintendent South Eastern Fever Hospital . COLL Lawrence Herbert Turner. Indian Civil Service . 22. fa si son. Benjamin Bernard Turner. B. Sc. London (Fist 22. fa si sou Class Honours ) . Ph. D., Göttingen. Lecturer on chemistry Borough Polytechinic Institute . Assistant Lecturer, Cornell University, U.J. A. Ernest Paul Turner off Obtamied a [22. fa. si son. redical qualification ; but died almost un mediates afterwards 7: 11. Bro . William Douglas Harmer. M.A., M.B., M.C., Cambridge. F.R.C.S. . Addistant Surgeon & Warden of It Bartholonews Hospital. /fran S.F. Harmer]

F. 14 Hartle CULI HOTELS AT THE FOLLOWING STATIONS ARE UNDER GALTON THE COMPANY'S MANAGEMENT PAPERS EUSTON, LONDON LIVERPOOL. BIRMINGHAM. PRESTON. CREWE. HOLYHEAD EUSTON HOTEL. GREENORE. NORTH WALL DUBLIN. BLETCHLEY. LONDON. August 115 1904 Mi. curs Hartey ( Mary Laffan Writer on Education at 14 years of age, in Bently hiafasal authorers of "Idogan M. P." " The Honomable min Ferrard" "Samay's Children" " Weeds" " a Luiger's atory", "Flicters, Tablers, and the Councillar; the.

## Hurtley NOTEWORTHY KINSFOLK OF Professor M. M. Hartley. F.R.S. D.S. ("WHO'S WHO" contains all that is wanted concerning yourself.)

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Common terms	Exac briefly	t kinshij phrase	d. who viv	sur- ed Initial	s of the	Exac briefly	phrased. wi	ived	tials of the	Regr.	Title.	Full names of those whose initial appear in the preceding column.	
of kinship.	Regr.	Title.	. chil	G.*.	worthy.	Regr.		hild- 100d.	oteworthy.			allow in our factoons common	
Grandfather	1 2	fa fa fa me				3 4	me fa me me	-					
ather	5 6	fa me					=	-	-				
Jncles Aunts	7 8	fa bro fa si				9 10	me bro me si					•	
Brothers	11 12	bro si		Pal.			-	-	=				
Talf-brothers Talf-sisters	13 14	fa son fa da				15 16	me son me da					CALTON LO	
Nephews Nieces	17 18	bro son bro da				19 20	si son si da					All and a set	
First cousins Male	21 22	fa bro fa si s				23 24	me bro son me si son						
First cousins Female	25 26	fa bro fa si o	10.01			27 28	me bro da me si da						
			No. who sur-	Initials	Maid	en name o	f Year of	Wife's broth	ers and sisters.				
	Regr.	Title.	vived child- hood.	of the note- worthy.		wife.	ar her marriage.	Titles.	Initials of the noteworthy.				
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	30	da						da Harber				o mente.	
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F. 15r

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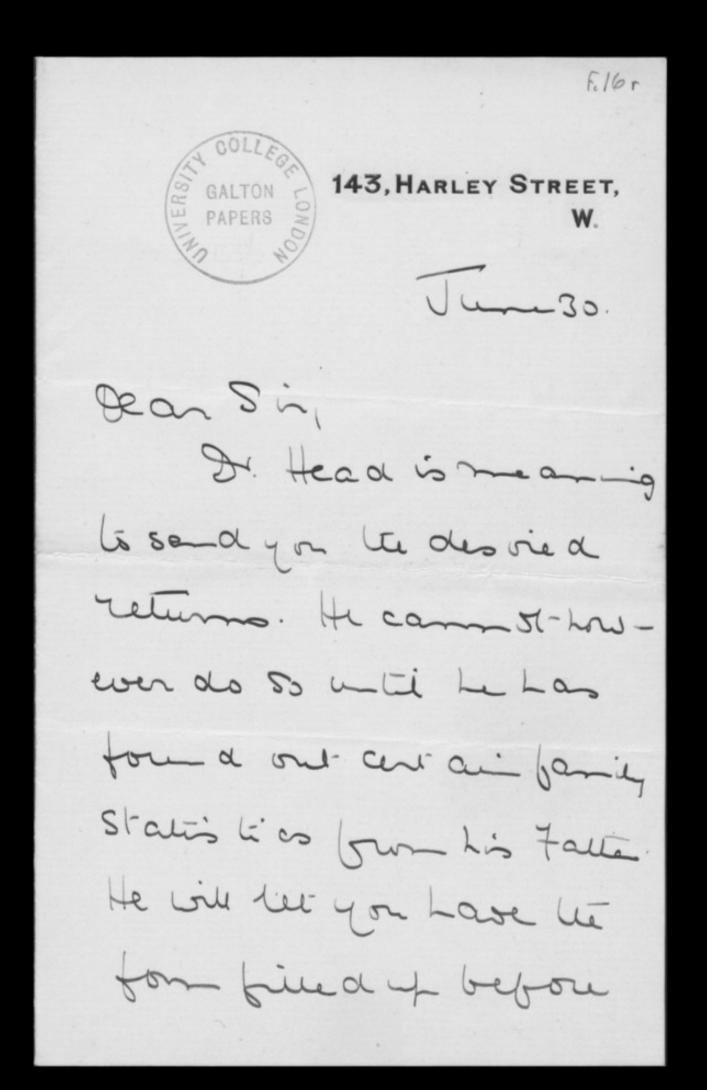
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FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W. F.15 v



F.161 te and of July. Hoping this wir shi be i time for your needs Your Sincerely Rute Head

## NOTEWORTHY KINSFOLK OF D. Henry Head, SPA

("WHO'S WHO" contains all that is wanted concerning yourself.)

\* WRITE AT FIRST FAINTLY IN FENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN.

or knimp: Regs. Title. $\frac{1}{1000}$ $\frac{1}{1000}$ $\frac{1}{1000}$ $\frac{1}{1000}$ $\frac{1}{1000}$ $\frac{1}{1000}$ $\frac{1}{1000}$ $\frac{1}{10000}$ $\frac{1}{10000}$ $\frac{1}{10000}$ $\frac{1}{100000}$ $\frac{1}{100000}$ $\frac{1}{1000000}$ $\frac{1}{10000000000000000000000000000000000$		nmon terms	Exact kinship briefly phrased.		d. who st vived	Initials		Exact kins briefly phra		used. w	aved		Initials of the noteworthy.	Regr.	Title.	Full names of those whose initials appear in the preceding column.
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F.18r

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By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

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Jeremiah head President of the Intitute of -7. faho. mechanical lugineers . was the forse to by profit sharing in his Iron - Mate . rowing miles at hissle boro' in the Sarly Sixties . This altempt mines him. Later he was unusually Successfue as a Country Engineer . 21. fa. ho. son. hest. waldegrave tread. Hellas a Dran of Emanuel Cohege Cambridge. Lecture on hadom trilog in the university. Whatever apliénde May have been guien tome for Natural Science affarently Comes from my hothers Side . By my mother I am Connected with The Lister family according to the annexed Pedigree and with Thomas Joung discoveres of the undulatory Theory of Light, decipteren of The Egyptian trieroglyphs de.

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NOTEWORTHY KINSFOLK OF does not ("WHO'S WHO" contains all that is wanted concerning yourself.) Kindly send further particulars ""WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

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July 9 1904 1 Melande Forez Kew, SURREY Conwall l Dear this & do not GALTON PAPERS inow of a single si usubes of my family of the present or pass gueations the hay. Istergruthor hundly hi science, and literature or under to dearnot plo up your thereby I may menting

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1.29r Sept 7.04 4 A COLLES GALTON PAPERS CHOXTETH LODGE, ... ULLEY ROAD, Dean 5 falton, Hease do not think it is because frany indik a want fatheriation 5 the subject, that Thank been so long in answering you circular. It's because when I first read it I felt that it did not seem to quite meet the case of my relations, and then absence for home & freat pressure work later have prevented he till now from having The leisne to write texplain .

F. 24v OROXTETH LODGE, . ULLET ROAD. I now enclose the form July filles up to the best gmy ability . and I though like badd afew remarks, which You may very points find of no ne . I fancy they Cannot your ocheme Typet I feel sure that they represent factors in the case . In the parapaper appended to the form I have given the kind of aformation which you indicate asdesirable, but 9 Minh that my uncle William (7, fa 600, W.H.) is not adequates treated ; and my mother (I whom more below) is not

included . Both of these (nor related - me + fa brof) were characterines & a great love of nature and a Scientific hom quind which fim want of sphortunity got little or no recognition . When a boy I shent several bacations with my male in his country parish in Pertholine & all one time was spent in mosses, land molluses and They like, & in looking them up in the books . My Uncle was a keen held hamalist, and especially botanist, and was I consider quite as good a Scientific man as some "Professors" I know how\_ who have many academic and professional distinctions. my mother was a botanist, and elso

Meeter shells and make things as Johnte, Phy zon at the sea site thas interested in watching insect. She always kept a marine agrains and amongst my carliest recokething are many of being taken by my mother with noto and bottles to Collect on the Sea Shore and to Systematically search rock-pools. The was very observant and Thorough and used to sketch ( in water colonis) The animals , and especially flowers , very neatly. I have her copy of the Mustrated Sentham's Britich Hora (2106) to which she has added coloures illustrations gall the species she found My mother was certainly my first teacher in marine Biology and I also ove afood deal of my early instruction to my Tincle William . The characters of these two relations are quite real and noteworthing to me, but They led to little in the way of recorded successes " which could appear under your scheme. Jours very truly, Watterdman

f. 26r Prog. W.a. Herdman, FRS. NOTEWORTHY KINSFOLK OF ("WHO'S WHO" contains all that is wanted concerning yourself.) \* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN. bro = brother; da = daughter; fa = father; Hu = husband; me = mother; si = sister; so or son = son; Wi = wife. fa bro son means "MY father's brother's son IS"; me da means "MY mother's daughter IS"; so Wi bro means "MY son's wife's brother IS"; &c. No. who sur vived child-hood. Exact kinship briefly phrased. .Exact kinship briefly phrased. No. who sur-vived child-hood, Full names of those whose initials appear in the preceding column. Initials of the noteworthy. Initials of the Common terms of kinship. Title. Regr. noteworthy. Regr. Title. Regr. Title. Grandfather . 1 fa fa 3 me fa Sophia Herdman R. S.A. fa me Grandmother fa me S.H. 4 me me 2 2 fa 5 R.H. Father . . . 5 Ja Mother 6 me fa bro Rev. William Herdinan fa bro Rev? James Chalmans Herdinan, 80 me bro St. Richard Abbott (?). W.H. R.A. (?) 779 2 3 7 fa bro 9 me bro Uncles . . . J.C.H. 0 10 me si 2 fa si Aunts . . . . 8 metro 3 Brothers . . . 11 bro si Sisters . . . . 12 0 0 0 fa son 15 nie son Half-brothers 12 me da fa da 16 Half-sisters . 14 0 0 habes 0 19 si son Nephews . . bro son 17 bro da 20 si da 0 Nieces . . . . 18 21 fabroson Rev? James Chalmers Herdina 3 6 J.C.H 2 First cousins . 21 fa bro son 23 me bro son Male . . 24 me si son 7 22 fa si son 0 25 fa bro da Mary Sophia Herdman 4 3 m.s.H. me bro da First cousins . 25 fa bro da 27 7 28 me si da Female . 26 fa si da 0 Wife's brothers and sisters Initials of the note worthy. Maiden name of their mother, your wife. Year of her marriage. who sur vived child-Regr. Title. Initials of the Titles. noteworthy. Sarah Wyse Douglas 1882 Wi bro Wi si da Hasber Sons . . 29 50 2 da Daughters 30 da Harst 1NI Jane Brandreth 1893 p(2) Wi bro so(2) Wi si da(2) Hm bro riage. 1 20(2) 30(2) Sons . . da(2) Hurri Daughters . 30(2) da(2) Watter man, University of Liverpool. Signature and Address of the Sender

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FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W. F. 26 4

2. fame, Sophia Herdman, withow of Red. W. Herdman Prestyterin minister of Ratbay, Perthshire, left a widow rather young with 4 sons, must have been a woman of marked ability and strength y character, hought up all her by well, insisted on all having a University concertion (under Considerable Afficulties) & was an influence in the family. 5. fa, Robert Herdman, J.P., R. S.A., artist in Schurgh, wa Portrait & historical painter well-know in Scotland, was for tong a leading member of the Rozal Scatting and often on the Conneil - also a food freek Scholar, an Antiquery and a Frident of Shakespearian literature - altogether a man of wide range in knowledge and sympathies than most artists. 7. fa bro, Res. W. Herdman, M.A., Presbyter ian minister of Rathay, where his ancestors had been ministers hepre him for some generations, was an antiquary, a good botanist and Seologist + an original minded man - did good habual History work locally without much recognition . 7. At fa bro, Kev. James Chalmers Herdman, M.A., D.D. (Hon.), Predating minister of metrose, h.B., was a popula preacher, convene "Foreign missions" and had a ford deal to do with Committee "and "Schenes" of the Scottich Clurch.

9. mebro, 5. Richard Abbott, Surgeon in the moran army in the time of the last mora Company. had thear of him as a distinguished man, but cannot five particulars - and included with a (?) ( -21. fa los son, Rev. Jances Chalmers Herdman, M.A., S.S. (Hony.) [nephew of no. 7 with same name] . Occupies a leady 25. fx bro da mary Sophia Hersman ( Saughter of 7 5= 9. C. H.) was a literary lady, much interesto in the education of Soldiers to whom she used to lecture and for whom she hrote educational and religious pamphlet + addresses. See also remarks in my letter to S. Salton J Lept. 7th 1904. Wasterdman.

William Abbot Herdman, (b.1858), D.Sc., F.R.S., P.L.S., ferred Secondary of professor of natural history, Univer ity of Liverpool, since 1881; has worked particularly at marine biology: was one of the founders of the Port Erin biological station, & of the seafish hatchery at Piel; was sent to Ceylon 1901-2 to investigate the pearl oyster fishery for the govern-(results fullished by the Royal Society, 1403-57) -ment/; author of numerous zoological works. (Who's Who)

fa me Sophia Herdman, great ability & streng th of character shown in the way she brought up her four sons, after having been left a widow early in life.

In Scotland as a portrait & historical painter; also a good greek scholar; an antiquary & student of Shaksperian literature. (Dict.N.Biog.)

<u>fa bro</u> William <u>Herdman</u>, presbyterian minister at Rattray; an antiquary a good botanist & geologist.

fa bro James Chalmers Herdman, D.D., (hon.), presbyterian minister of Melrose N.B.; a popular preacher & convener of foreign missions.

fa bro son James Chalmers Herdman, D.D., (hon.), occpupies a leading position in the Scottish church in Canada.



### NOTEWORTHY KINSFOLK OF Fug. w.m. Hicks, 410.

("WHO'S WHO" contains all that is wanted concerning yourself.)

F. 301

\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN.

	mon terms		t kinshij phraseo	l. who	io. o sur-	Initials		Exac briefly	t kinship phrased.	No. who su vived	10	itials of the	Regr.	Title.	Full names of those whose initials appear in the preceding column.
of	kinship.	Regr.	Title.	ch	ild- od.	notewo	arthy.	Regr.	Title.	child hood		oteworthy.			altern in on treesand
	dfather	1 2	fa fa fa me					3 4	me fa me me	1.1					
	er	5 6	fa me					1 1		I.I.		_			
	les ts	7 8	fa bro fa si	10 00	3	-		9 10	me bro me si	3	0 2.5	-			
	hers	11 12	bro si	1				11		I I					
	-brothers -sisters	13 14	fa son fa da	-	-			15 16	me sen me da	(+					00112
	hews	17 18	bro son bro da	C 141.070	- 0			19 20	ri son si da	2	2	-			GALTON FAPERS
	t couisins Male ,	21 22	fa bro : fa si s		1	-		23 24	me bro so me si soi		38.5				the most
	t cousins Female	25 26	fa bro fa si o	10.00	-	-		27 28	me bro da me si da		0 4.4	-			
				No. who sur		Initials	Maide	a name o	of Yea		ife's brotl	hers and sisters.			
		Regr.	Title.	vived child- hood.	lof	the note- worthy.	their ma	other, ye vife.	nar he marri		Titles.	Initials of the noteworthy.			
Ist marriage.	Sons	29	3.0	2 april 12 + 13		~	Ellen	Perro	in 188	1 30	Wi bro Wi si Hu bro				
Ist E	Daughters .	30	.da	-							Hu si				
and marriage.	Sons Daughters .		so(2)	1	V					50	<ol> <li>Wi bro</li> <li>Wi si</li> <li>Hu bro</li> </ol>				

W. W. Hicks. Endeliffe Gravent. Shaffield

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FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W. F.300

F.31r PAPERS ELLESMERE HOUSE, WITHINGTON. Manchester July 4 04 Dear Sir Two difficulties recursed lirts 3 of the 13 me, bro, da au the Sume individuals as the 3 fasida. and 6 of the me, bro. so. are the Sume as the 6 fasida. my father's sister with my mother's brother. Thus the sum total of relations of these degrees to gless man the run total of the figures

F.31V ELLESTERE BOMSEY 2. It is not clear what is intended by the word childhood Shace quea all lining duildren I may explain however that all recorded relations are adults except 1. Si.da Jycars 2. bro. da 13, 9, years 3 bio 50 11, 7 5 years. Any own two children da. 7 So 80.4

F. 321 7. Ja. bro. William Edward Nickson author. "Line & Faith" che . Editor of the Westminster Vide. Dict. Nat. Biog. 9. me bro. Lir Lydney Hedley Waterlow Bart. Luccesful in business. Lord Mayor of doudon. Formerly M.P. Greated Knight Baronet. 23. me.bro. so. Sir Ernest A Waterlow Achist RA. P.R.S.W. 26 fa. si. da Zelle Ruth Homan 27 me tro. da S Educationalist Member of ale London School Board Co. opt. member. Education Committee d. C.C. Sour huly Gduey J. Wickson

· NOTEWORTHY KINSFOLK OF

FOLK OF Prof. J. J. Hickson, STOS. ("WHO'S WHO" contains all that is wanted concerning yourself.)

\*\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN.

Common terms of kinship,	Exac briefly	t kinship phrased.	No. who sur- vived child-	Initials o notewo		Exad	ct kinshi y phrase	d. who vi	ved ild-	Initials of the noteworthy.	Regr.	Title.	Full names of those whose initials appear in the preceding column.		
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randfather	1	fa fa fa me	-			3	me fa .me me				7	fabro	William Edward Hickory		
randmother .		Jos mes				4					9	me bro	Sir. Sydney A Waterlow		
other	5	fa me	-			-	-		1		23	me bro Go	Sir Ernert Watertow R		
other	-		2	24.00			1000		-	dune		the second s			
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unts		<i>ja si</i>	3			10			12		1				
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lalf-brothers . lalf-sisters	13 14	fa son fa da	=			15 16	me son me da								
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First cousins Male	21 22	fa bro son fa si son	116			23. 24	me bro me si		16 4	EAN			GALTON PAPERO		
First cousins Female	25 26	fa bro da fa si da	63	RH		27 28	me bro me si		3	RH			And I was		
			No.	Initials	Maide	n name	of 1	ear of	Wife	's brothers and sisters.					
	Regr.	Title. v		f the note- worthy.	their m	other, y	our	her arriage.	Ti	tles. Initials of the noteworthy.					
Sons Daughters .	29 30	so da	Bm	fauts	a.n He	1. Tche	r l	896	an H	li bro 2 li si Motoro Intensis					
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f.33 r

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FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W. £33v

Svdnev John Hickson, (b.1859) F.R.S., D.SC., M.A., etc. professor of Zoology, Oven's Coll., Manchester, since 1894: author of 2"A Naturalist in North Celebes", "The Fauna of the Deep Sea", " The Story of Life in the Seas", & many scientific memoirs. (Who's Who) F.341

fa bro William Edward Hickson, (1803-1870) educational writer author of "Time & Faith" etc.: editor of Westminster Review, 1840-1852. (Dict.N.Biog.) me bro Sir Sydney Hedley Waterlow, (b.1822) 1rst bart, K.C.V.O.: Lord Mayor of London, 1872-3: M.P. for deideron Co.Dumfries, 1868-9, Maidstone, 1874-80, Gravesend, 1880-5: very active in philanthropic work. (Who's Who) me bro son Sir Ernest Waterlow, (b.1850) R.A., president Royal Soc. Painters in Water colours. (Who's Who) fa si da & me bro da Mrs Ruth Homan, educationalist: member of the London School board: Co-opt. member Education Committee L.C.C.

\* That is, for the study of agencies under social control that may improve or impair the racial qualities of future generations, either physically or mentally.

Sydney John Nickson, (b.1859) F.R.S., D.SC., N. ., 200. mofessor of Zoology, D ents Coll., Marchester, since 1894: outhor of M"A Naturalist in Sem North Colebes", "The Fanns of the Deep Sez", " The Story of Tire in the Se s", & many set ntific memoirs. (Tho's Who)

8 yro William Roward Hickson, (180 -1870) educational writer author of "time & Faith" etc.: editor of Vestminstor Review, 1840-1850. (Dict.N.Bior.)
8. C.V.O.: 1 nd Wayor of Sondon, 1872-5: W.P. for - diderone, r.C.V.O.: 1 nd Wayor of Sondon, 1872-5: W.P. for - diderone, very solve in philanth obie work. (ho's Who)
9. Pro con Sir Kaneet Waterlow, (b.1850) B.C., prisident boyal Soc. Painters in Waterlow, (b.1850) B.C., prisident re si de & me bro de Mrs Waterlow, scuestionsint: 372

London, W.C.

Consultères D.C.C.

F. 34 v

## NOTEWORTHY KINSFOLK OF W. P. Hiern, Esq., Sel.

("WHO'S WHO" contains all that is wanted concerning yourself.)

\*\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

Common terms		t kinship phrased		ur- Initials			ct kinship ly phrased.	wh		ials of the	Regr.	Title.	Full names of those whose initials appear in the preceding column.
of kinship.	Regr.	Title.	child hood	. Dotewa	rtny.	Regr.	Title.	ch	nild- ood.	teworthy.			-11
Grandfather	1 2	fa fa fa me				3 4	me fa •me me		-				
Father	5 6	fa me	1-1						-	_			
Jacles	7 8	fa bro fa si				9 10	me bro me si						
Brothers Bisters	11 12	bro si				11	-		-				GALTON -
Half-brothers	13 14	fa son fa da				15 16	me son me da						Hee Hee
Vephews Vieces	17 18	bro son bro da				19 20	si son si da						
First cousins Male	21 22	fa bro si fa si so				23 24	me bro so me si so	12					
First cousins Female	25 26	fa bro fa si di				27 28	me bro di me si da						
			No.						Wife's brothe	ers and sisters.			
	Regr.	Title.	who sur- vived child- hood.	Initials of the note- worthy.	their m	n name other, y wife.			Titles.	Initials of the noteworthy.			
Daughters	. 29	50	-						so Wi bro so Wi si				
	. 30	đa						1	da Hu bro da Hu si				
Sons	. 29(2)	100 mg 100							so(2) Wi bro so(2) Wi si da(2) Hu bro				
Daughters	. 30(2)	da(2)	10.00		122.00		1.0		da(2) Hu si				

f. 25 r

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FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W. 1.35V

### NOTEWORTHY KINSFOLK OF D. Leonard Hill, #19.

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F. 361

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Cot	mmon terms		t kinship phrased		ur-	Initials of the noteworthy.			ct kin ly phr		No. who sur- vived		als of the	Regr.	Title.	Full names of those whose initials appear in the preceding column.		
0	f kinship.	Regr.	Title.	child	-	notewo	rthy.	Regr.	Ti	Title, h		Bo	noteworthy.					
	ndfather ndmother .	1 2	fa fa fa me			1		3 4	me , -me		1					Builebeck Hill		
	her	5 6	fa mê	1		73.14		1.1					_			Burbebern mil		
	cles	7 8	fa bro fa si	2		L•H .	G.H	.9 10	me me	2002	30		7.5			Lewis Hill Gray Hill John Scott.		
	thers	11 12	bro si	32						-						John		
	lf-brothers lf-sisters , ,	13 14	fa son fa da					15 16	me me	son da								
	phews	17 18	bro son bro da	1000				19 20	si s si a	10000	23							
	st cousins Male	21 22	fa bro s fa si s					23 24	10.00	bro son si son	3					A COLLED		
	st cousins Female	25 26	fa bro fa si d					27 28		bro da si da	5					GALTON LOV		
				No. who sur-		Initials	Maid	en name	of	Vear		e's brothe	ers and sisters.			the me		
		Regr.	Title.	vived child- hood.	oft	the note- worthy.		wife,		her marriag		itles.	Initials of the noteworthy.					
urriage.	Sons	29	50								30 1	Vi bro Vi si						
Ist mu	Daughters .	30	da ,									lu bro Hu si						
and marriage. 1st marriage	Sons		so(2)								50(2	Wi bro Wi si Hu bro						

De maret Hell Osbørne Herre, Loughton Essen

BY FRANCIS GALION, D.C.L., SC.D., F.K.S

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5. fa . Birkbech Hill Editor of Clarendon Press edition of Baswell's Johnson, Southon of several books on 18 the Century writers ... Known as an authority ? the literature of that century Lewis Hill retired as one of the chip secretaries of 7. fa bro . The General Part office . Given a C. R. Barton of president I fa. bro. Gray Hill PAPERS of president The Incorporated law Society recently knighted 9 me bro John Scatte, Judge in the Aigh Cowt Bankay, appointed to Reform admitistration of criminal reform admitistration of criminal law in Egypt, quein a K.C.B. law in Egypt, and contention reformer & My fathers quantifather a belonged to the Well known family of Hill Wellers which well ded meeter fright fill a Recorder of Thomas often, Mathem side Jave apart Hill a Recorder of Thomas often, Mathem side Markan Hill is secretary to the Mathem side Markan Hill is secretary to the Mathem side Markan Hill is secretary to the Shiffing association , & a distilguished buerfell lawyer switter on Econics Shifting buerfell lawyer the administed Court My brother barries territor the administed Court both there will attain to greater I distinction

Leonard Hill, (b.1866) Lecturer on physiology ,London hospital: winner of many opizes medals scholarships & exhibitions for physiology: author of books & memoirs on physiology. M.B.,F.R.S. (Who's Who)

fa fa Arthur Hill, headmaster of Bruce Castle school: reformer of education. fa G.Birkbeck Hill Editor of Clarendon Press sdition of Boswell's Johnson, & author of many books on 18th century literature.

<u>fa bro</u> Edward Bernard Lewin Hill, (b.1834)C.B., retired as senior Assistant-Secretary, General Post Office. (Who's <u>fa bro</u> Sir John Edward Gray Hill, (b.1839), president of the Incorporated Law Society,& of the international Law Ass., 1903-4, author of "with the Beduins", & papers on various subjects connected with maritime law, etc. (Who's Who)

me bro Sir John Scott, K.C.B., juge in the High Court, Bombay: appointed to reform administration of criminal law in Egypt.

bro Norman Hill, secretary to the Shipping Ass.: a dis--tinguished Liverpool lawyer, & writer & authority on the Economics of shipping.

bro Maurice Hill, rising barrister in the Admiralty Court.



fara fa Thomas Wright Hill, (1763-1851), schoolmaster & stenographer. (Dict.N.Biog.) <u>fa fa bro</u> Sir Rowland Hill, (1795-1879), inv-entor of penny postage: as chairman of the Brighton Ry. introduced express & excursion train 5, 1843-6. (Dict, N, Biog.)

fa fa bro Edwin Hill, (1793-1876) Inventor & author: supervisor of stamps at Somerset House: with Mr De la Rue invented machine for folding envelopes, exhibited 1851. (Dict.N.Biog.) fa fa bro Matthew Davenport Hill, (1792-1872) first recorder of Birmingham: reformer of criminal law & of the treatment of criminals. (Dict.N.Biog.)



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	on terms		t kinshi phrase		sur-	Initials			ct kinsh y phras	ed. w	No. ho sur- vived		ials of the	Regr.	Title.	Full names of those whose initial appear in the preceding column.
of kir		Regr.	Title.	chi ho		notew	ortny.	Regr.	Titl		child- hood.	no	teworthy.	1910-1		appear in the preceding commit-
Grandfa Grandin		1 2	fa fa fa me					3 4	me fa -me m					-		
		5 6	fa me						-		1 1		-			
Uncles Aunts .		7 8	fa bro fa si	1				9 10	me br me si		3					201
Brothen Sisters		11 12	bro si	;				11	1 1		11					GALTON C
Half-bro Half-sist	others . ters	13 14	fa son fa da	2				15 16	me so me da	Copposed and						ALLER HO
Nephew Nieces	** • • •	17 18	bro son bro da					19 20	si son si da		1					
First co Male	usins e	21 22	fa bro s fa si s		555			23 24	me br me si		1 0 5.5					
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		Regr.	Title.	who sur- vived child- hood.	of the	tials note- rthy,	their m	n name o other, yo wife.	anc	Year of her arriage		tles.	Initials of the noteworthy.			
nuarriage.	ns	29	50	2			Edish	ochevi	ia 1	1881		'i bro 'i si				
Dav	ughters .	30	da	2							da III da II					
TIMIT	ns	29(2)									4(2)	Wi bro Wi si Mustar				
Day Day	ughters .	30(2)	da(2)				12039					Harris		Research B		

F.40.

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July 18 1904

F.41

THE CAMP.

SUNNINGDALE.

Sir W.J. Horkers In Dawren Turner Lu Dilin ay 1 Frankis Palyrous ) Natimial Morety Jimos Palyan R. mylin Palyrau authin of M Ditim of & Political Commy I may worken a Banking & ~ ~ Shi Reginald Polyrace R. C. B. aute of n lable 1 1x 2 lunny, author of life of Lormula A.



11 Horlien

# NOTEWORTHY KINSFOLK OF In Joseph Hooker, G. C.S. I. J. J. ("WHO'S WHO" contains all that is wanted concerning yourself.)

f. 42+

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Common terms of kinship.	brie	ict kinsh ly phras	ed. who viv	sur-	Initials of notewo			ct kinship ly phrased	L wh	No. 10 sur- ived	Initials of the noteworthy.	Regr.	Title.	Full names of those whose initials appear in the preceding column.		
of kinship.	Regr.	Title	c. ho		notewo	uny.	Regr.	Title.		hild- ood.	notewortny.					
Grandfather . Grandmother	1	fa fa fa me	-				3 4	me fa me me			<b>D</b> .J.			3. Danoson Jurner S. R.S.		
Father Mother	5 6	fa me	-	-	W.J.#		1-1			-	=					
Uncles Aunts		fa bro fa si	1				9 10	me bro me si		2 5				5 Son William Jackson Hooker F.R.S.		
Brothers Sisters	11	bro si	3				1 1			1.17	=					
Half-brothers Half-sisters .	13	fa son fa da					15 16	me son me da		3						
Nephews Nieces		bro so bro da					19 20	si son si da		3			24	24. Francis Jarna Pelge		
First cousins , Male , ,	21	fa bro fa si	200 B 100 B				23 24	me bro s me si si	18 1	2 3	19 199 8.H.S.	50		24. Francis Jarna Palge William Gifford Belgrace Notest Harry Inglis Palgrace Ryined Francis Down Palge		
First cousins . Female .	. 25 . 26	fa bro fa si	6 C 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				27 28	me bro o me si d	da la	25				Hyinal Francis Douce Calgo		
	Reg	. Title.	No. who sur- vived child- hood.	of th	itials e note- orthy.	their me	n name o sther, yo vife.	our h	ar of ier riage.	Wife's b	Initials of the noteworthy.			GALTON LON PAPERS		
Sons	. 29	30	4			Fran	viet		857	Will Wis	i			the wood		
Daughters	. 30	da	2				don			du Har	IE .					
Daughters	-	) so(2)	2			Hyac	non	+	876	30(2) W1 50(2) W1 50(2) W1 50(2) W1 50(2) W1	i si zdro					

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FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W.

28/

NOTEWORTHY KINSFOLK OF I. J. Hough, Erg., HR.

F. 43 +

("WHO'S WHO" contains all that is wanted concerning yourself.)

\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

Comm	ion terms		t kinship phrased.	No. who sur- vived	Initials of the		et kinship y phrased.	No. who sur- vived		als of the	Regr.	Title.	Full names of those whose initials appear in the preceding column.
of k	inship.	Regr.	Title.	child- hood,	noteworthy.	Regr.	Title.	child- hood.	eworthy.			when in the precessing commu-	
	father mother .	1 2	fa fa fa me	1-1		3 4	me fa me me	-			21	fa ho in	Edwin Hough Author of Puthication
	r r	5	fa me					11		_			relating to Lans of Bank mptey " te -
	·	7 8	fa bro fa si	2-0		9 10	me bro me si	23					Inspector in Brankmps
	ns	11 12	bro si	13		11				=			Department, Board of Trade
	rothers isters	13 14	fa son fa da			15 16	me son me da						
	ews	17 18	bro son bro da			19 20	si son si da						
	cousins ale	21 22	fa bro son fa si son		E. H.	23 24	me bro son me si son	413					GALTON C
	cousins male	25 26	fa bro da fa si da	1		27 28	me bro da me si da	2					PAPERS OF
				No.	Initials Maio	len name	of Vear	and the second second	s' brothe	rs and sisters.			
	-	Regr.	Title,	vived of		mother, y wife,			itles.	Initials of the noteworthy.			
urriage.	ions	29	50		X			50 H	Vi bro Vi si				
2nd marriage. 1st marriage.	Daughters .	30	da	1	manuel.			da I	tu bro Yu si				
marriago	ions	1	50(2)		une W			30(2) da(2)	Wi bro Wi si ) Hu bro				
2002	Daughters .	30(2)	da(2)					da(2)	) Hu si				

By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

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FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W. F.424

Noteworthy Relatives of Sin Victor Hordey 1 fa fa billiam Horsley Uno Bac Oxon Composer og Sleasete see Grove Diet 1 of Music or Incyclipion me fa Charles Thomas Haden - was a distinguisted rising Inton Doctor; instinted certain treatment for J fout it, made a stir at the time. Died soring 1823 -John Callecott Howley R.A. Painter. See 5 fa Who' Who - for 1903 7 fabro Charle Ervend Howley - Munician - Composer of several oratorios Best known in America 9 me bro Si 7. Segmon Haden - Surgeon & Etcher - Prendent of the Royal Society ? Painter Stehers - See Who' Who faime fa . John well Callcott Mus Doc Oxon Composer of glees etc. see froves Dr. Munic 2 Eng. Brit. for me fa bro. Si Angusta Well Collect R. A. Landscape Painter -Engelop Brit\_ me fa fa Thomas Haden - The principal boctor in Aerby ta man of pert influence in the Town - was 3 times Mayor - P.T.O

f.90 + 22 fa si son. Tramberd Brunel Chaniello Ette Brocene of Sly. Ecclementical Barnista - see thos the befre 1903.

## NOTEWORTHY KINSFOLK OF Si Victor Horsley, #8.9.

("WHO'S WHO" contains all that is wanted concerning yourself.)

F.43+

\*,\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY; WHEN SATISFIED, INK IN.

Common terr of kinship.			ct kinship y phrased	d. who s	ved	Initials on the second		Exa brief	act kinship fly phrased.	<ul> <li>who viv</li> </ul>	Vo. o sur- ived tild-		ls of the eworthy.	Regr.	Title.	Full names of those whose initials appear in the preceding column.
	1999 - BO	Regr.	Title.	s. hoo				Regr.	Title,		ood.					
Grandfather Grandmother			fa fa fa me			w. H		3 4	me fa me me		- (	с.т.	; #.	13	fa fa me fa	William Horsley Charles Thomas Haden
Father Mother			fa me	-		J.c. 4	н.			11 3 3			_	5		John Callcott Horsky
Uncles Aunts			fa bro fa si	13		C.E.	н.	- 9 10	me bro me si	2	2	F.S	.#.	79	fabro	Charles Sowerd Hordey Francis Seguour Haden
Brothers . Sisters		11 12	bro si	33	;									(	famefo	John Wall Calleott
Half-brothers Half-sisters		and the second second	fa son fa da					15 16	me son me da					6-	Jame ta	600 Augustus Wall Collecter a Thomas Haden
Nephews . Nicces , ,		17 18	bro son bro da					19 20	si son si da						-	
First cousins Male .		21 22	fa bro s fa si se			I.B.		23 24	me bro so me si so		4			22	fasism	" Tramber Brunel
First cousins Female		25 26	fa bro fa si d					27 28	me bro d me si da	la a	Þ					
				No.							Wife's	brother	s and sisters.			COLLER
		Regr.	Title.	who sur- vived child- hood.	of	Initials of the note- worthy.		den name mother, y wife,	your he	ear of her rriage.	Title		Initials of the noteworthy.			GALTON LO
Sons .		29	30	2			Eldri	Bran	march 18	87	\$ W1 117					AND HE
Daughte	ers .	30	da	1							- Simo					
Sons .		29(2)	so(2)								0(2) W					
Daughte	crs .	30(2)	) da(2)									Herein				

#### ABILITY IN FAMILIES. By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

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FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W. F. 454

## NOTEWORTHY KINSFOLK OF Si William Huggins, KCB. om. P.P.

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Common terms		t kinship phrased.	vived	Initials			t kinship y phrased	wh	ivea	als of the teworthy.	Regr.	Title.	Full names of those whose initials appear in the preceding column.
of kinship.	Regr.	Title.	child- hood.	notewo	ruiy.	Regr.	Title.		nild- ood.	ewoning.	12		
Grandfather	I	fa fa		1217-201		3	me fa						
Grandmother .	2	fa me	1			4	me me		-				
Father	5	fa	-			_	-		-				
Mother	6	me	-			-	-		-				
Uncles:	7	fa bro				9	me bro		2 6 6 8				
Aunts	8	fa si				10	me si						
Brothers	11	bro				-	-		-				
Sisters	12	si	•			-	-		-	-			COLLES
Half-brothers	13	fa son				15	me son						Ca GALTON F
Half-sisters	14	fa da				16	me da						PAPERS E
Nephews	17	bro son				19	si son						to No
Nieces	18	bro da				20 .	si da	23					
First cousins Male	21 22	fa bro so fa si soi				23 24	me bro s me si si	1000					
First cousins	25	fa bro a	10			27	mebro	da					
Female	26	fa si da				28	me si d	0.00100-	24/26				
	Dart		No. who sur- vived o	Initials of the note-		n name o other, yo		ar of	Wile's brothe	rs and sisters.			
	Kegr.	Title.	child- hood.	worthy.		wife.		riage.	Titles.	Initials of the noteworthy.			
Sons	29	10							so Wi bro so Wi si				
Daughters	30	da							da Hu bro da Hu si				
Sons Daughters	29(2)	30(2)							so(2) Wi bro so(2) Wi si				
Daughters	30(2)	da(2)							da(2) Hu bro da(2) Hu si				

passens distinguested in any of the ways machined .

William Auggino 90 Septen Zulse Sile, S.W.

F.46r

By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

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FRANCIS GALTON. 42 RUTLAND GATE, (S) LONDON, S.W.

f. 47r ( Jon the Hatchinson ) 15, Catendish Square. COL. July 14 1404 GALTON PAPERS been mogalten I do not like to leave any apprication of going manswers oyal boom ful has sean fill up your Schedule to any propil. mu is very little in the history my postabulates which vun die eolu olin farming Hunterm troue amongst the earlies to join the Society of Frinds one grong momens ancesting I belin hours later helly on adage he I cannot have him . Mave the book

E.47V my mothers father was a cultivated ortetanti Who had a collection of Carriest a mall thang twho attempted al cunidealy expense to construct a petercoque totate in the Hati near Spalony. He castitlated his farm made island and a herm it's care, year it is now know as maney's folly " He never had any occupation the did nothing remarke able hat he was clearly a man of laste the liked Tralise his weas. my father's father was a

highly esterned Lunter practic conserventions to the verye Jerupulority has beloved by all who knew him. He was a good letter writes (religions) This letters were collecter Aproblished after his death had excepting as Aprening deep this und pick; sume grespondility they are nor remarkable my parents wherited the malities others will, in my father, a good have of trus mile alilif in his mothers ride, He was & Kuich D may my the leading man in the town in which he and. Med me he was the one most respected This you will see thave guild

har nothing respectability Ducad mar brucer to able be have Stelin a tendency to dolcho explations & average large heads. I could sur fill my father's hal of I have often much deput to bit might hear. much showen Har I is length Eather than actual size of head which is the difficulty Ehe have no Reman nois amongs us nor any hour That perian fore heads Spean I am sending you very unter details his I am much interested in the study othere dity of come a very from between in the With apologies for so long a letter ofor nor using your scheme your hit low " Autelium

NOTEWORTHY KINSFOLK OF Baptain 7. W. Hutton, 40.

("WHO'S WHO" contains all that is wanted concerning yourself.)

no letter

F.49+

\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN.

	mon terms		t kinship phrased		ur- Initials	of the	Exac	t kins y phro	ased. w	No. ho sur- vived		ials of the	Regr.	Title.	Full names of those whose initials appear in the preceding column.
of	kinship,	Regr.	Title.	child	l. notew	orthy.	Regr.	Ti		child- hood.	ne	teworthy.			ultion in on forecome
Gran	lfather	1	fa fa				3	me j	ſa	20					
Grand	lmother .	2	fa me	-			4	me i	me						
Fathe	r	5	ſa				-		-	-					1 in well A
Moth	cr	6	me				-		-	-		-		ma-fa-fa	Revervillian Mollaston.
Úncle	5	7	fa bro	2			9	me	bro	7				<i>fa.4a</i>	author of "Religion
Aunti		8	fa si	4			10	me :	si	73					Revervillion Wollaston. autor of "Religion in Bature".
Broth	crs	11	bro	6			-			-					
	8	12	si	3			-		-	-		- 7			
Half-	brothers	13	fa son				15	me	son			213	123		
	sisters	14	fa da				16	me	da					me, fa fa	s? willin Hude
Neph	cws	17	bro son	6			19	si se	012					Son	\$? William Hyde Wollaston, F.R.S.
107	5	18	bro da				20	si d	la	1					
First	cousins	21	fa bro s	10m 4,			23	mel	bro son	2					Well known themist
М	ale	22	fa si s	on 7			24	me .	si son	4					and Phyrid
First	cousins	25	fa bro	da 3			27	me	bro da	6					
F	emale	26	fa si d				28	me	si da	2					0011
						1				1					( and the second
				No. who sur-	Initials		n name (		Year of		's broth	ers and sisters.			(S PAPERS 6)
		Regr.	Title.	vived child- hood.	of the note- worthy.		other, yo wife.	our	her marriage	т	itles.	Initials of the noteworthy.			Ha HOO
marriage.	Sons	29	50	3		annie Mon	Gorage	in and	1863	50 h	Vi bro Vi si				
Ist ma	Daughters .	30	da	3			/				'u bro Iu si				
age.	Sons	29(2)	50(2)						1000	10.000	Wi bro				
marri										da(2	Wi si Hu bro				
and m	Daughters .	30(2)	da(2)	East		PTERS					Hu bro Hu si				

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F. 494

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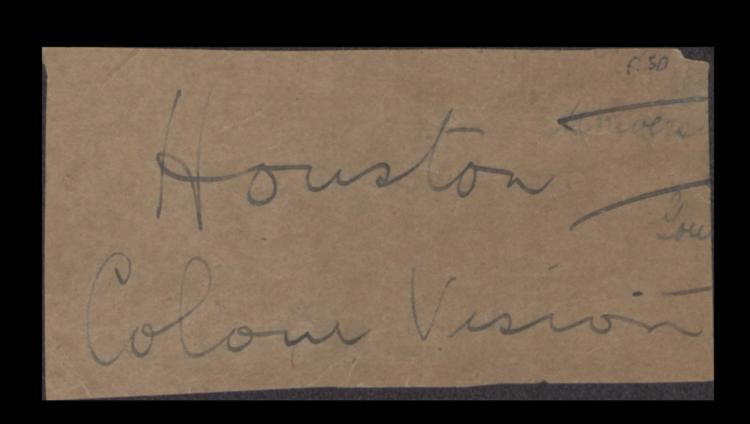
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FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W.



## NOTEWORTHY KINSFOLK OF Gugenon F. R. Japp, JR.

6.10

("WHO'S WHO" contains all that is wanted concerning yourself.)

\*\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

Common to		Exac briefly	t kinshi phrase	p d.	No. who sur vived	Initials			ct kinship y phrased.	who viv	sur-	Initials .		Regr.	Title.	Full names of those whose initial appear in the preceding column.
of kinship	P.	Regr.	Title		child- hood,	notewo	orthy.	Regr.	Title.	chi hos	ld-	notewo	rthy.			appear in the precenning commit-
Grandfather		1 2	fa fa fa me					3 4	me fa me me							
Father , . Mother , .		5 6	fa me		1.1			1-1	-	1	-		- 27			
Uncles		7 8	fa bro fa si		22			9 10	me bro me si	7.3	;					
Brothers .		11 12	óro si		00				-	100	-		-			
Half-brothe Half-sisters		13 14	fa son fa da		00			15 16	me son me da		0					001
Nephews Nieces .		17 18	bro sos bro da		00			19 20	si son si da	-	0					GALTON LO
First cousin Male		21 22	fa bro fa si s		54		and a	23 24	me bro so me si soi		13 4					14/14/2/10 C
First cousir Female		25 26	fa bro fa si c		10 2			27 28	me bro da me si da	1.0	"					
					lo.	Initials	Maid	en name	of Yea	rof	Wife's bi	others an	d sisters.			
		Regr.	Title.	viv		of the note- worthy.	their n	other, y wife.		r	Titles		ials of the eworthy.			
Sons		29	30				E	F.	er 18;		50 Wi bi 50 Wi 51					
E Daugh	iters .	30	da		2		rege	mey	18/	9	da Hu br da Hu s					
Sons Daugh		29(2) 30(2)									so(2) Wi so(2) Wi da(2) Hu da(2) Hu	si bro				•

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	mon terms kinship.		t kinship phrased. Title.		Initials of notewort	hy.		et kinship y phrased. Title.	No. who sur- vived child- hood.	In	tials of the oteworthy.	Regr.	Title.	Full names of those whose initials appear in the preceding column.	
	ifather Imother .	 I 2	fa fa fa me		14. 2. 9		3 4	me fa -me me		7.	de L.	1.	Contract of the second second	Henry Edward Joh	
	a	5	fa me	-	1.10.9		11		-	130	_	3.	me fa	de turi.	
Jnck	cr	7	fa bro	2	9. R.	9.	9	me bro	,	7.0	le huri	5.	fa. me bas.	John plumbet Jolg Frederick Commt	
	s	8	fa si bro	1	m.g.		10	me si	4			y.	for two.	de moi Janpan Robert Jo	
Sister	3	12	ni -	0			-	-	-			8.		mary Joly.	
	brothers	13 14	fa son fa da				15 16	me son me da							
	iews 28	17 48	bro son bro da	00			19 20	si san si da	00				me fa fa	Spiridim commt de turi.	
	cousins	21 22	fa bro si fa si so	Contraction of the second			23 24	me bro so me si son	1 30.00	5					
	cousins emale	25 26	fa bro d fa si di	1. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			27 28	me bro da me si da						GALTON LO	
				No. who sur-	Initials	Maiden	name	of Yea		fe's broth	ers and sisters.			ATHIN - HO	
		Regr.	Title.		f the note- worthy.	their mot			r	Titles.	Initials of the noteworthy.				
marriage.	Sons	29	30						4	Ŵi bro Wi si					
Ist	Daughters .	30	da						da	Huchnog- Harai					
marri	Sons Daughters .	29(2)	so(2)						sp(2 da(	<ol> <li>2) Wi bro</li> <li>2) Wi si</li> <li>2) Ha bro</li> <li>2) Harris</li> </ol>					
2md	ioaugniers .	30(2)	(an(a)						(11)	2) <u>Hu si</u>	Intherod				

2 m/

#### ABILITY IN FAMILIES. By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

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Reg. Title Nev Henry Eduned Joly. Divine and Physician . 1. fafa is credited with some medical discoveries and scientific medical views madvance of his time . hedereck comb de tusi . Stateman & linjuit. 3. me ta . Spike most European Ingunges - Resident minister of the him of Monsia is for Inda, St. netenbory, freece etc. nev John Member Joly as a painter of an brid & insect life and brannial subjects : left a remarkable puctures collection behind him : chied carly. 5 . Fu Kederick comit de huri A Soldier. Distinguished homself with audian german - Danish Les Marcanin war of 1848. Decrated 9. me los. per valour ne Taring the lipe of Several Halkelt. Jaspan Robert Jols precision as a boy . Distancinched 7. fa. bro College succeses to Elamas in This 13th gear. Dented her life to collection of Hozanthe & Beurick: upon Morn was an authorit. mary Job. , Drid zomen; left a nemarkalle collection 8. fa. si. of minuted accurate pantings of brido & flowers. : some of extraordoning pidelit and hearty. spiridin count de trui. " The "formular" of the de twoi famil. Ennobled & hederick " The great for states manihiz. See Mercy Breed Nes. me fafa.

John Joly, (b.1858) D.Sc., F.R.S., professor of geology & mineralogy in the University of Dublin since 1897; has published many contributions to the Royal Soc., Royal Dublin Soc. etc.

fa fa Henry Edward Joly, divine & physician; is credited with some medical discoveries & scientific medical views in advance of his time.

me fa Frederick. Comte de Lusi, statesman, & linguist; resident minister of the king of Prussia in London, St. Petersburg. Greece, etc. made the fust ascent of M Blanc in 1816.

fa John Plunket Joly, (Rev.) accomplished as a painter of bird & insect life & botanical subjects; left a remarkable collection of pictures behind him; died early.

me bro Frederick. Comte de Lusi, soldier distinguished himself in the German-Danish war of 1848; decorated for valour in saving the life of General Halkett.

<u>Ia bro</u> Jaspar Robert Joly, remarkable precosity as a boy; obtained distinguished college successes in classics in his 13th year at Tunity Coll., Dublin Devoted his life to the coll--ection of Hogarth & Bewick, upon whom he was an authority. <u>fa si Mary Joly</u>, died young; left a remarkable collection of minutely accurate paintings of birds & flowers; some of extraordinarily fidelity & beauty.

me fa fa Spiridion, Comte de LUSI, the founder of the de Lusi family enobled by Frederick the Great for statesmanship. (Percy anecdotes] F.4

F.5r 17, PAREON'S GREE Jame 29-1904 FUNDOR, S. W been b. Jaltin Regretting that Show withing to insent in the Form about Kniffelle the can blew tog, I my with the the four farming chasin of my his mine has she specif ghiliting really - this heads - probably become This within care after of rural pork Duck family - Of myself to day have particular.) The fin chen of an send any and For highter as second without , be wor with achieve tigt they have mand . Their

F.5. frand perfects very little thanking is stillin The Edition Ela-I trouble with this note as it bears on hereity tecerting Alamatin foldage taken Catal all my horis confort & mater acting; Thenfor be pleased to become this awhen leither - and Belin m 6 m Jour Sincerty Reparent a Do Francis Lalta, FRE an GALTON PAPERS



My daughter Hilda Mary Judd has, without any special attempt to direct her mind in that way, Show a taste and capacity for Scientific Study. While at School the Earned the Silver medal Afered by The Doyal Grographical Societ; the Las Ance joned The Royal College of Tcience, where the took The murchison medal & Dage in Geology & will shorty obtain The Adsociateship of The College & her degree at The London Miniersch. Ind Judd

# NOTEWORTHY KINSFOLK OF Froz. J. W. Judd, C.B. FRS. ("WHO'S WHO" contains all that is wanted concerning yourself.)

F.8+

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Common terms	Exac	rt kinship y phrased.	No who s	ar- Initials		Exa brief	ct kinshij y phrasec	L wh	No. o sur- ived		ils of the	Regr.	Title.	Full names of those whose initials appear in the preceding column.
of kinship.	Regr.	Title.	chile	I- notewo	rthy.	Regr.	Title.	cl	hild- ood.	not	eworthy.			alden in me herroung seemen
Grandfather Grandmother .	1 2	fa fa fa me	101			3 4	me fa -me me	1000						
Father Mother	5 6	fa me				1-1	1				_			
Uncles Aunts	7 8	fa bro fa si	12			9 10	me bro me si	1	2					St COLLEG
Brothers Sisters	11 12	bro si	32			11	11	1200	1-1-1					BALTON PAPERS
Half-brothers Half-sisters	-13 14	fa son fa da				15 16	me son me da							Mo
Nephews Nieces	17 18	bro son bro da	63			19 20	si son si da	1943	64					
First cousins Male	21 22	fa bro so fa si soi	77	-		23 24	me bro me si	1000	244					
First cousins Female	25 26	fa bro a fa si da	~			27 28	me bro me si	100 B	11					
			No.					ear of	Wife's	s brothe	rs and sisters.			
	Regr	. Title.	vived child- hood.	Initials of the note- worthy.	their n	en name nother, y wife.	our	ear of her rriage.	Tid	les.	Initials of the noteworthy.			
Sons Daughters	29	30	1		Jeag	ngal	e 18	278	so Wi so Wi da Hu	i si				11-11 11 1.11
	30	da	/	H.M.J.	0	Jeye	23. 1		da Hi	u si				Hilda Mary Jodd
Sons Daughters	30(2)	so(2)							50(2) V	Hu bro				
			tress oj	f the Sender	1	10 m	n To	D	yA	11	22,1	Cassel	alano	Road Kew.

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Alfud Bray Kempe, (b.1849) F.R.S., chancellor of the Dioceses of Newcastle, Southwell, & St. Albans; treasurer & vice president of the Royal Soc., 1899; has published works on mathematics. [Who's Who]

fa fa Alfred John Kempe, (1784-1846) distiguished antiquary; published works on Holwood Hill, Kent, & on St. Martin-le--Grand Church, London; [Dict.N Biog.] fa John Edward Kempe, (b.1810) late rector of St. James's, Picadiilly; hon. chaplain to the King since 1901; [who's who] bro John Arrow Kempe , (b.1846) C.B., 1; [who's who] Comptroller & Auditor-General. bro Harry Robert Kempe, (D.1852) Principal Technical Officer of the Postal Telegraph Dept; author of "Handbook of Electrical Testing", & other technical works which have go e through many editions, for many years editor of [Who's Who] "Electrical Review". bro son Edward Kempe, Captain & Gold Medallist, Radley school; scholar of Lincoln Coll. Oxford; editor ofn "The Huia" New Zealand. 1 fa fa si Anna Eliza Bray née Kempe, (1790-1883,) historical

novelist; completed work on "Monumental Effigies of Great Britain"# commenced by her first husband Charles Alfred Stothard [Dict.N.Biog.]

for further particulars vide "A History of the Kempe & Kemp Families"

F. 2.

F. 3 Regr. Title fa.fa. 1 Alfred John Kempe 7. S.A. Distinguished Antiquery. See Dictionary of National Biography TON 1

F.4 Regr. Title 1. fa John Edward Viente Clergymen Late Rector of S'James's Piccadilly Elected Menter of Canterbury Convocation. Chaplain to the queer. See Who's Who 1904 Now alive aged 94 in bull pomemor of all his faculties (2)

F.S Regr. Tite 11 620. John Arrow Kempe Formerly Deputy Chairing the Board of automs Now amitait Comptroller and Audilor. C.B. See Whi's Who 1904 3

Regr. Title 620. Harry Robert - Kempe Electrical Engineer is the General Port-office. auttor of "Handboon of Electrical Testing adother technical works mid have gone through many editions. For many years Editor of the "Dectrical Revies" See Who's Who 1894 (4)

Reg Tite bro.son. 17. Edward Keinhe son of John Amor Kente [Reg. 11] Capturin of Radley School. ad Gold Meddlist. Scholer of Licoln College. Nov resident - i Nev Zealend on account of it health. Writes articles and is editor of a nagazine "The Huia". (5)

Tille Rej. 18. bro.da. Dorothy Kempe deupter of John Amo Viente [Rep 11] anglo-saxon scholer. 6

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F.11 a bulky volume has recently affected entitled "A History of the Kempe ad Kemp Families". ALTON APERS 0

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# NOTEWORTHY KINSFOLK OF Si George King, Kelle, JRA. ("WHO'S WHO" contains all that is wanted concerning yourself.)

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Signature and Address of the Sender

By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

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		Reer	Title.	No. who sur- vived	Initials of the not			n name o		Year of	Wife's	brothers	and sisters.			
				child- hood.	worthy.			wife.		narriage.	Title		nitials of the noteworthy.			
rriage.	Sons	29	50	1	9.w.c	·K	Helen	Cook	. 1	1867	fi Wi Wi		Sugar.			J.W.C.K Lieut. D.C.L. I and
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### BRITISH MUSEUM (NATURAL HISTORY),

CROMWELL ROAD,

LONDON: S.W.

f.1

July 134

lear he 'futton I have indeavoured & fill up the paper. but I druk know whether Jon woul Detrils my father & mother I my mothers brother were all well known. Sam Pope was a very heaspel I much befored leader of he Parliamentary Bar -home of my uncles, or aunts or from fathers a from Theothers

a my other relations. were promincul. Except my mothers ands som William Sproston Caine who was a well known radical m. P. La freat temperance man & leading un conformist. Both my father's & mother's franch were wonconformist. my brothers & Listers are all much above the avery e both in ability and in activity -But I have first consins only by one uncle - William ope - (not by Sate Pope). and they wase not as he was not all all noteworthy - my fatters

GALTON

PAPERS

F.21

Cours are not noteworthy and he had no brother a holers. Some of my mothers consis duloren - Rushton by name the hame of her mother - are noteconly. my mothers grand father Rushton was a noteworky Liverport merchant. my futuers conoms were some of them succesful busien men - me was mayn of Southampton (Joseph Lunkerta) - but that is all I can think of. I have no sciente fic a literaly relatives whatever movide my father, nother Suiters Fisters -Suitered min May Laukerter

F.2.

		••• <i>w</i>	VRITE AT	FIRST FAI	INTLY IN PEN	CIL; CORI	LECT LE	ISUREI	LY IN CO	ONCERT WITH	MEMBERS OF '	YOUR FAM	ILY: WHEN	SATISFIED, INK IN.
	fa	bro son									ner : si = sister : er IS"; so Wi			= wife. wife's brother IS"; &c.
	nmon terms f kinship.		t kinship v phrased.	No. who sur- vived child-	Initials			et kinsh y phras	acd, wh		tials of the oteworthy.	Regr.	Title.	Full names of those whose initials appear in the preceding column.
	-	Regr.	Title.	hood.			Regr.	Titl		ood.				
	ndfather ndmother .	1 2	fa fa fa me	-			3 4	me fa •me m		-				
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	ther	6	me	-	P.L		-	-		-				Phele Laukester
	cles	7 8	fa bro fa si		8.24	!	9 10	me bi me si		S	?P			Semmel Pope P.C Juit aus Lithum. ogno E. Tribes Lankester bury
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	st coușins Male	21 22	fa bro son fa si son				23 24	me bi me si	000000					GALTON 5
	st cousins Female , .	25 26	fa bro da fa si da	I			27 28	me bi me si						the seal of the se
				No. ho sur-	Initials	Mald	n name (	of	Year of	Wife's broth	ers and sisters.			
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F.3+

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FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W. 6.34

Edwin Ray Lankester, (b.1847), LL.D., FR F.R.S., ; celebrated zoologist; director of Natural History Departments, British Museum since 1898; Fullerian professor of physiology & comparative anatomy, Royal Inst., 1898-1900; Linacre professor of Comparative anatomy, Oxford, 1891-1898; numerous other distinctions. (Who's Who)

F.4

fa Edwin Lankester (1814-1874), M.D., F.R.S., professor of natural history, New Coll. London, 1850; medical officer of health for parish of St. James's, Westminster; & coroner for central Middlesex. joint editor of Q.J.M.S., etc. (Dict.N.Biog) me Phebe Lankester, (1825-1900) - arthrers of Wild Howers work write ! The popular poten of trustop's Butich Portany & many then publichins: also of a weekly newspaper Cetter for many sever under me bro Samuel Pope, Q.C., successful leader of the Parlamentary The Aquations bar.

E. Forbes Lankester, Irst Classin "Greats", Oxford; Penelope' bro successful barrister.

bro S. Rushton Lankester, H.M. Consul, Batavia.

si Fay Lankester, secretary of National Health Society.

br. oren Lankester mRCS - Inccessful merical practifiner in London

Si. marion Vatcher infe of Res. Typey Vatcher, vica of S! Philops, Steprice - both kumm in connection with East Londow organization of help to the form.

Si'. hime Lan herter . derk in the Post office, promoted to superior post. Superintendent of Ferrile Clarks Clarks in the honey order of Department.

## NOTEWORTHY KINSFOLK OF Propensor g. Larmon, Secret

("WHO'S WHO" contains all that is wanted concerning yourself.)

6.5.

\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN.

Common terms	Exac	et kinshij y phrased	p No d. who viv	sur-	Initials		Exa	ct kins ly phra	used. w	No. ho sur- vived		ials of the	Regr.	Title.	Full names of those whose initials
of kinship.	Regr.	Title.	chil	d-	notewo	ethy.	Regr.	Tit	19. and 19	child- hood.	no	teworthy.			appear in the preceding column.
Grandfather Grandmother .	1 2	fa fa fa me				nea ret ridate to	3 4	me j me i	CT 10 10 10 10	-	1.47				Could with IT Lower Co.
Father Mother	5 6	fa me		6.5		ine a	11		-						
Uncles Aunts,	7 8	fa bro fa si		2,3			9 10	me b me s	1223	12					
Brothers Sisters	11 12	bro si	4	+	A., Fella	no da Rege	11	1	-			_			
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Nephews Nieces	17 18	òro son òro da	-				19 20	si so si da	Second Co.						GALTON PAPER3
First cousins Male	21 22	fa bro s fa si si					23 24	2008120	hro son si son	102	٤				
First cousins Female	25 26	fa bro fa si d		3			27 28	10.00	bro da si da	22					
			No. who sur-		nitials	Maide	a name	1	Year of	Wife	s brothe	rs and sisters.			
1	Regr.	Title.	vived child- hood,	oft	he note- orthy.	their me		our	her marriage	Tit	les.	Initials of the noteworthy.			
Sons	29	50		100						50 W 50 W	i si	allers butte			
Daughters .	30	da			1919 1919 1919 1919	Caller .		1		da Hu da H		an The off	an aide		
Sons Daughters .	29(2) 30(2)		1	1						50(2)	Hu bro				

V

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F.61 SUNNYSIDE, SIDCUP, KENT. PAPERS 2 Jane 15/ 1904. Scar Jir, Sam dry to have to return the Enclored form with the Entry and. No hembers of key family, as for as I know or can ascutain, wine "estavorthig In the stude in which you use the word. My grande pavents were ordinary

F-61 Country fock. My father and in other went out into The world as public singers and subsequently per settled in discriptor of leachers of singing. "an keysef distinctly mesural. My Maractinistic bent as a Any was for matheketis and I started to real for

The Mathematical hipos in 1872, changing to Natural Viences in 1873. I have out you These deling in case They way be of any interest to gove . I they an at you will please Jarda me for inflicting hen an yar. Yours they A. Thendon dea Francis Faltan E, T.R.S.

## NOTEWORTHY KINSFOLK OF S. a. Sheridan Lea, ses

4

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6.81

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	mon terms	Exac	t kinship phrased	I. who	sur-	Initials		Exa	ct kins y phra	used. w		tials of the	Reg.r.	Title.	Full names of those whose initials appear in the preceding column.
of	kinship.	Regr.	Title.	chi ho	Id-	notewo	orthy.	Regr.	Ti	Stand St.	shild- bood.	oteworthy.			appear in the preceding column.
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	news	17 18	bro son bro da					19 20	ri si si d	Sec. of the					GALTON FO
	cousins	21 22	fa bro s fa si s					23 24	10.000	bro son si son					HON
	cousins cemale	25 26	fa bro fa si a	2				27 28	1000000	tero da si da					
		1		No.				an alan Peranama	-		Wife's broth	ers and sisters.			
		Regr.	Title.	who sur- vived child- hood.	of	Initials the note- worthy.		en name nother, y wife,	our	Year of her marriage	Titles.	Initials of the noteworthy.			
1st marriage.	Sons	29	30	Wines		-					so Wi bro so Wi si da Hu bro	a training and			
	Daughters .	30	da								da Hu si		C. S. C. S.		
and marriage.	Sons , , .	29(2) 30(2)									so(2) Wi bro so(2) Wi si da(2) Hu bro da(2) Hu si				

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F.84

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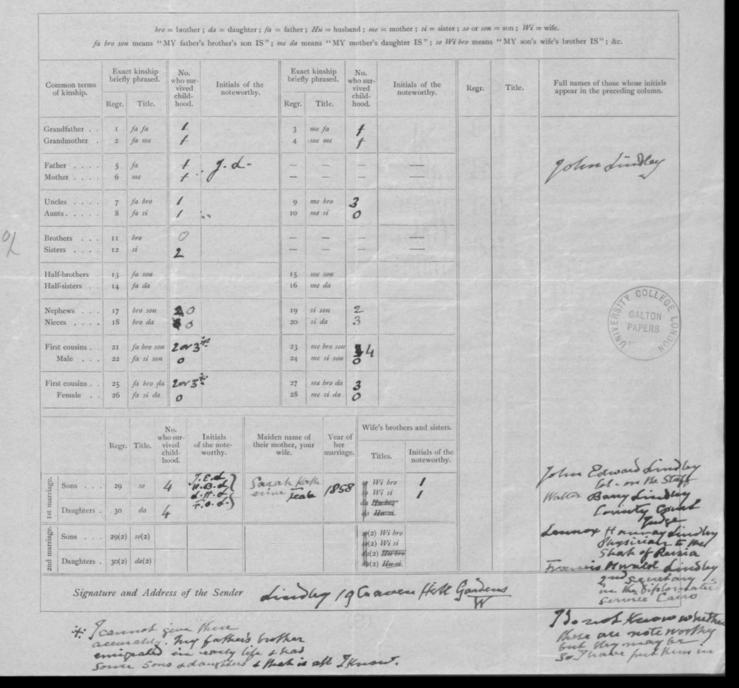
FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W.

## NOTEWORTHY KINSFOLK OF The Re. How Lord Lindley, Sel

("WHO'S WHO" contains all that is wanted concerning yourself.)

£.9,

\*\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.



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5.101

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Signature and Address of the Sender Arthur Lister, Higheliff Lyone Regis Dorect author of "monograph of The Mycitogoa" - British seurum Catalogue

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FRANCIS GALTON, 42 RUTLAND GATE, LONDON, S.W. f.100

Arthur Lister, (b.1830) F.R.S., botanist; author of "Monograph of the Mycetozoa", British Museum Catalogue. (Who's Who)

High diff Sume Regis Doset.

fa Joseph Jackson Lister, (1786-1869) F.R.S., discoverer of optical principales, the knowledge of which led to the improvement of the microscope. (Dict.N.Biog.) bro Joseph Lister, Irst Baron Lister, (b.1827), F.R.S., D.C.L., LL.D., D.Sc., O.M., P.C., F.R.C.S., famous for the discovery of antispeptic treatment in surgery; Sergeant-Surgeom in ordinary to His Majesty since 1901; P.R.S., 1896-1900. president of British Ass. 1896. etc. (Who's Who) son Joseph Jackson Lister, biologist; fellow of St.John's Coll. Cambridge. F.R.S. (Who's Who) son Artur Hugh Lister, assistant physician Aberdeen; obtained "3 stars" at University exam., Aberdeen. F.R.C.S William T. Lister, opthalmic surgeon/, London Hosp.

8/c

## NOTEWORTHY KINSFOLK OF the Re. Aou the Lord Lister, our tra.

("WHO'S WHO" contains all that is wanted concerning yourself.)

F.12r

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\* Discovered the principle in sheet the ashromatic microsche is constructed (Lapuni Thil. Trans)

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## NOTEWORTHY KINSFOLK OF Prog. g. D. Liveing 400

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6.13+

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Knofolk of Brofepor g. B. Liveing F. 14 3. St mefa me for two: George Dorning. see European Magazine vol 39 - p. 83 (Feb. 1801) also Wistorical Record of Light Norse Volunteers of London and Westminster pp. 128-9 (Wright. 60 Pull Mall 1843) 11. tro. Edward Liveing, Fellow and Registrar of the Royal bollige of Physicians, London. Fellow & momber of the formail of Kingo Bollege London, and sometime assistant Physician to Kings bollege. Hospital author of "Megrin, a contribution to the pathology of Nerve Storms" de Who's who " 1904 11. tro. Robert Liveing -31 . M mefa mefa bro. Ephraim Chambers - author of the by dopredia - see Dittion any of General Bis graphy s.n. or Dick. Nat. Birg. G.D.L.



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FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W.

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# NOTEWORTHY KINSFOLK OF In Oliver J. Lodge, D.L., SRS.

("WHO'S WHO" contains all that is wanted concerning yourself.)

F.18r

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FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W. Sir <u>Oliver Lodge</u>. (b.1851), M.Sc., F.R.S., D.Sc., London, Oxon, & Vict., LL.D., St.Andrews & Glasgow; Principal of the University of Birmingham since 1900; professor of physics University Coll. Liverpool, 1881-1900; author of various works on physics, & articles in the Hibbert Journal. (Who's Who)

Falso Robert J. Lodge, for many years secretary of the Marine Insurance Co., & reckoned a man of considerable ability in the city.

bro <u>Richard Lodge</u>, (b.1855), professor of history, Edinburgh, since 1899; first professor of history Glasgow University; author of "Student's Modern Europe", "Richelieu" in foreign statesman series, & "The Close of the Middle Ages"(Who's Who) bro <u>Alfred Lodge</u>, professor of pure mathematics at Cooper's Hill.

Hill. si <u>Eleanor Constance Lodge</u>, sub-head Lady Margaret Hall, Oxford.

fa bro son George E.Lodge , well known animal painter & engraver



University Birmingham

CAMBRIDGE.

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## NOTEWORTHY KINSFOLK OF Geog. a. Macalister, tes

("WHO'S WHO" contains all that is wanted concerning yourself.)

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F.4 5 - fa - John Robinson Millian F.R.S. Civil Enquieer . M.P. for East Staffordshirs Memori - Arocentings of Lustitution of Ciril Engineers

f.5 24 - The Si. Son . Si William MacConnac Bart - KCB - K.C.V.O. President of the Royal College of Surgeons. Biopaphical hotice - St Thomas Hospital Reports Vol XXX. "Who , Who" 1901. GALTON PAPERS

f.6 30 - da - anna Millian artist . Erhibited Royal academy 1904

		•.• •	WRITE AT	FIRST FAI	NTLY IN PES	NCIL; COR	RECT LE	ISURELY IN	CONCER	T WITH	MEMBERS OF	YOUR FA	MILY: WHEN	SATISFIED, INK IN.
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Sir Francis Leopold <u>McClintock</u>, (b.1819), K.C.B., D.C.L., LL.D., F.R.S., Admiral retired; Elder Brother of Trinity House; served in 4 arctic voyages; discovered fate of Franklin's expedition, 1859; author of "The Fate of Sir John Franklin", &"The voyage of the 'Fox'". (Who's Who)

fa me Patience McClintock, née Foster, came of a family which showed in most of its branches a high level of ability & had several distinguished members. Thus reckoning the relationship from her, we find.

fa John William Foster M.P.

fa bro Anthony Foster, (d. 1778), M.P., chief Baron of Exchequer, Ireland.

fa bro son John Foster, Baron Oriel, 4(1740-1828). speaker of Irish House of Commons up to the time of the union. (Dict.N.Biog.) fa bro son William Foster, D.D., (d.1797), Bishop successively of Cork, Kilmore, & Clogher.

fa bro son sons John Leslie Foster, (d. 1842), F.R.S., Irish judge: M.P. for Dublin University, etc. (Dict.N.Biog.)

Sir Augustus John Foster, (1780-1848), Bart., P.C., M.P., minister to United States, Denmark, & Turin.(Dict.N.Biog.) <u>fa bro son son con</u> Vere Henry Lewis Foster, (1819-1900) philanthropist & educationalist. (Dict.N.Biog.) <u>L.L.D. FRC.SI.</u> bro Alfred Henry <u>McClintock</u>, M.D., President Royal Coll. of <u>ysice</u> Surgeone, Ireland. (d. 1881)

<u>fa bro son</u> John <u>McClintock</u>, M.P. for Co. Louth for many years: created baron <u>Rathdonell</u> for long political services. <u>me fa</u> Ven. George Letis Fleury, archdeacon of Waterford.

me bro Rev. Charles Marley Fleury, a celebrated preacher in Dublin in his day.

son Henry Foster McClintock, assistant private secretary to Lord Stanley, postmaster-general: served with Army Post Office Corps in S. Africa, & was mentioned in despatches. son John William Leopold McClintock, commander R.N., passed 2nd into the Brittannia.

son Robert Singleton McClintock, Brevet Major, R.E.: schol. at Charterhouse: served on Sir C. Willcocks' staff in the relief of Coomassie, 1900, & was mentioned in despatches.



6.7

fa bro son <u>John McClintock</u>, M.P. for Co.Louth for a number of years; created Baron <u>Rathdonnell</u> for <u>long</u> political services. n. me fa Ve<del>ry Rev</del>. <u>George Lewis Fleury</u>, Archdeacon of Waterford. Me bro <u>Charles Marley Fleury</u>, (Rev.), a celebrated preacher in Dublin in his day.

son John William Leopold McClintock , Lisutement R.N., passed 2nd into Britfannia. Burt Major

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Stanley, postmaster-general; served with Army Post-Office & Corps in S. Africa, & was mentioned in despatches.

f,10

Kins folk of Adm. Sin 7. L. h. Elin tock K. C.B. 2. Fa Me-Patience Foster, after wards McClintock. The came of a family which showed in most of its tranches a high level of tractical ability Thad several dis this quished members. The more successful of these other relation ships are shown but in the following penealogy. John Foster (of Dunker G. Loute, Ireland) died 1747 John William MP. Thomas Anthony - Died 1778 a clergy man MP - Chiry Barn of 6- 1709 d. 1784 Trehequer, Ireland Patience. John Thomas married John John Mª Clin bock of William D.D. d. 1796 Sheaker of Jush (marries daughter Ommcan, the Bish of Successively tonse of the min of to of un Sand of Brokel hand Sith hiller g Cork, Kilmore r Bish of gover, well Clogher. Dw 1797 anallo Lond brick The affirm and marrie Buke gotons hive .) d. 1828 John Loshe M.P. for Rednick Thomas MP Augustus John . Dublin huidensity M.P. - RC Munder A Barn of the Sucheques to our and varding of Inlaw creates a Baronet. For further details see under hiscourt Mancreene + Ferrand Vere Foster and Sin V. Foster Bart. of glyde Court, Co Loute, in Philante sopiet o Books of reference. aution of a muster of Educational books. 11. bro. Alfred Henry Mc Clintock M.D. President Rozal College Jungens, Island. P.T.O.

21. Fa. Bro. Son. John McClin tock. Landowna - M.P. for Co. Loute for a number grears. Was created Baron Ratedonnell in 1868. (It is not claimed that the bossessed exceptional abilities in any me direction, but he filled his part working resuccessfully. His Peerage was given for long political levaces) 3. Me. Fa. My Res. George Lewis Flang Archdeaca of Waterford. becaused (He was of French (Huguendt) haventage a both sides) 9. Me bro. Rev. Charles Marley Fleury. A celebrated preaches in Duttin in his day. Wi. bro. William J.S. Dunlop (or Delap) Lieutenant Royal Sugmeers . Varsid high into F out of boolwich. Died the young. 29. So. (2) John Will cam Leopold he Mintoch Lieuter aut RN Parsed 2<sup>nd</sup> into Britannia. Now gunnery and First Lieutendut a Baltlookip. (2) Robert Sing leton h. Clin took R.E. Lieutenant Roy al Sug in cers. James a Scholarship at Charterhouse. Served on Sin S. Will cocks' Staff in Relief of Tormassien - mentioned in despatches & recommender for a breast on alcaining sank glapton. X (1) Hurry Foster Mc Clin tock. Clark in Higher Division Civil Survice (general Post office) I word with Army Post office Corps in South Africa rwas mentioned in

Depatches. Vo now Private Sceretary to Low Stanly, Post arter Annual,

## NOTEWORTHY KINSFOLK OF Fun w.C. Mc Intosh, JRD.

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f 12-r

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	mon terms kinship,	Exact kinship briefly phrased.			d Initials	Initials of the noteworthy:		ct kinship y phrased.	No who : vive chil	sur- Init	ials of the teworthy.	Regr.	r. Title.	Full names of those whose initials appear in the preceding column.
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#### ABILITY IN FAMILIES. By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

The object of the inquiry is to ascertain the frequency with which Ability, as indicated by High Success, is distributed among the members of a family; how far it is sporadic and how far it seems to be hereditary or else traditional. The replies will add to our knowledge of some of the main causes of evolution: one of these is the coefficient of mental heredity, another the inclination or otherwise of persons to mate with their like or unlike, another the fertility of the mentally exceptional in various degrees, including their tendency to be celibate, or to marry early or late.

The information asked for is wholly honourable to the person addressed and to his family. It is limited to facts that have already appeared in print, though often only in newspapers. Though well known to the person addressed or to members of his family, they could not be found by a stranger without laborious search.

Nomenclature of Kinship.—Kinships in the first degree are expressed, as explained at the head of the schedule, by single syllables easy to pronounce, consisting chiefly of a consonant and a vowel. By this means such vague terms, as first cousin, are replaced by brief titles with precise meanings. The syllable me is used for mother, as mo runs too closely with bro and so, and ma with fa and da. The French and the Greek words for mother justify the e. The alternative forms of so and som enable the latter to be employed at the end of a phrase, where it is more euphonious. Some of the combinations may have a somewhat childish ring, but none are vulgar or grotesque. The value of this brief and exact method of description becomes greater as the kinship becomes more remote.

Noteworthiness.—" Noteworthy" successes are those in any vocation whatever, that in the opinion of the compiler are of a rank not inferior to that which the Fellowship of the Royal Society holds among men of science. The weight ultimately to be assigned to each recorded success must be entrusted to those who will statistically discuss the replies. Minor achievements of persons who are still too young to have achieved any "noteworthy" success deserve record.

As women can rarely display their full abilities, it is necessary to take into account the hereditary significance of the successes of the brothers (and sisters) of all female ancestors. Inquiry is therefore made as to "noteworthiness" in these. To secure equality in statistical treatment, the same course is adopted in respect to the male ancestors also.

For want of space, the forms for the four kinds of great uncle are omitted, namely, *fa fa bro*, *fa me bro*, *me fa bro*, *me me bro*. Similarly as to the great aunts. If any of these should be noteworthy their names may be entered in the third column, preceded by their proper titles. So may grandchildren. Eminent kinsfolk in still more distant degrees can be added in the like way, if thought desirable by the compiler. The noteworthy names should be written successively in the third column in any convenient order. There will be ample space to hold them all,

The number of kinsfolk in each degree who survived childhood is wanted as a clue to the intensity with which ability (as indicated by success) characterises each family.

A separate paragraph on fresh paper should contain the noteworthy facts relating to each person whose name appears in the last column of the schedule. These paragraphs should be written consecutively, and the heading of each should consist of the Register number, the Title, and the full Name of the person to whom it refers, transcribed word for word from the last column of the schedule. Each paragraph should be as brief as may suffice to give a just idea both of the quality and of the grade of ability in the person referred to. Thus the mention of a high success in one branch will render those of minor ones in the same branch unnecessary, on the principle that the greater includes the less. But if the record of any minor achievements testifies to success in different pursuits and therefore to the possession of general ability, they should be included. Also such as may testify to precocity, to slow development, or else to persistence of effort.

The following imperfect list of successes may possibly be useful in suggesting what might otherwise have been overlooked.

Youth.—All high competitive successes at school, college, or elsewhere, such as the greater exhibitions, scholarships, fellowships, foremost places in University Class lists, or in examinations for appointments of any kind. Only two or three of the more important of these need be given. The captainship of a notable athletic team may deserve record.

Manhood.—High and honourable appointments in any profession, excluding those reached by mere seniority or through social position. Political distinctions. Commercial success in establishing or managing large businesses is usually a sign of exceptional ability.

Authorship of valuable memoirs, books, inventions, &c.

Awards of titles, medals, honorary degrees, &c.

Biographical Notices in standard publications.

By accepting the mere title of F.R.S. as a noteworthy distinction, a body of nearly 500 men is at once determined, to whom these circulars will be sent in the first instance. The Fellows of the Royal Society are, as a class, more likely to be interested in this inquiry than others, their answers are sure to be brief and appropriate, and they are eminently qualified to offer useful suggestions. Such suggestions would be warmly welcomed as the scope of the inquiry will probably be hereafter extended. Moreover, the Fellows of the Royal Society are linked by frequent co-operation and mutual acquaintanceship, which renders it comparatively easy to obtain supplementary information when wanted.

Please address the completed results thus, not omitting a large and very legible S in brackets, in the bottom left-hand corner :

FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W. £134

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have in any way how qualities to my ancestry - I have hoo boy, both in he medical profession, and both promising, with saverific instruct and camertnes of publices, but They have not get had time to show what may be in nem. I for myn zu mert ryard me is roller a operadie buduchin not 7. much service in puer most in. teristing enquirs. 4. how wer, Ju shie Mink 9 stored fill of ne sche dull, I aric by to do 20. I repris had zur one

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# NOTEWORTHY KINSFOLK OF D. J. W. Mallet, SP.J.

("WHO'S WHO" contains all that is wanted concerning yourself.)

\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN.

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Signature and Address of the Sender

J. W. Thallet - University & Virgin in - Charlotteswille, Va. U.J.h.a.

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### ABILITY IN FAMILIES. By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

The object of the inquiry is to ascertain the frequency with which Ability, as indicated by High Success, is distributed among the members of a family; how far it is sporadic and how far it seems to be hereditary or else traditional. The replies will add to our knowledge of some of the main causes of evolution: one of these is the coefficient of mental heredity, another the inclination or otherwise of persons to mate with their like or unlike, another the fertility of the mentally exceptional in various degrees, including their tendency to be celibate, or to marry early or late.

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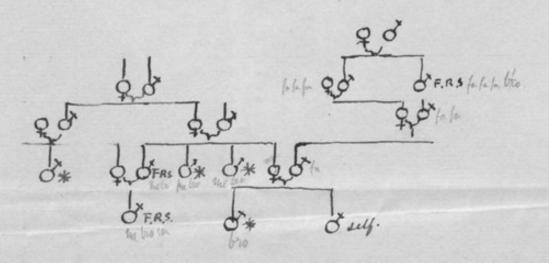
Please address the completed results thus, not omitting a large and very legible S in brackets, in the bottom left-hand corner :

FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W. 5/4/04



Dear his

I think the subjoined part of my pedigree with give you the importantian you arts for. I use the usual signe & & & for male and female. Names are not required. Such persons as are as are F.R.S. I SI mark. These who are specify distinguistic in other ways I mark while an asterist. Timited in This way I hardly think your enging will lead to much. That would be interesting to trace would be the inheritance of tasks & faculties, but many people have With but want the opportunity and often the desires to make them known, and to und not appear in your list Jour Justifiely A. Mallach



Prancis falton on

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NOTEWORTHY KINSFOLK OF

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("WHO'S WHO" contains all that is wanted concerning yourself.)

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	st cousins Male	21 22	fa bro s fa si so				23 24	me bro s me si si	Sec.	1	RS				A COLLES
	st cousins Female	25 26	fa bro fa si di				27 28	me bro d me si d	82						GALION LON PAPERS ON
				No. who sur-	Initials	Maide	n name	of Ve	ar of	Wife's	brothers and	l sisters.			12 HO
		Regr.	Title.	vived child- hood.	of the note- worthy.	their m	other, y wife.	our h	er riage.	Title		als of the worthy.			
marriage.	Sons	29	50								si				
Ist	Daughters .	30	da							the Her					
and marriage.	Sons Daughters .		so(2) da(2)			-				so(2) H so(2) H da(2) H da(2) H	li si Tu bro				

1.270

## ABILITY IN FAMILIES. By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

The object of the inquiry is to ascertain the frequency with which Ability, as indicated by High Success, is distributed among the members of a family; how far it is sporadic and how far it seems to be hereditary or else traditional. The replies will add to our knowledge of some of the main causes of evolution : one of these is the coefficient of mental heredity, another the inclination or otherwise of persons to mate with their like or unlike, another the fertility of the mentally exceptional in various degrees, including their tendency to be celibate, or to marry early or late.

The information asked for is wholly honourable to the person addressed and to his family. It is limited to facts that have already appeared in print, though often only in newspapers. Though well known to the person addressed or to members of his family, they could not be found by a stranger without laborious search.

Nomenclature of Kinship.—Kinships in the first degree are expressed, as explained at the head of the schedule, by single syllables easy to pronounce, consisting chiefly of a consonant and a vowel. By this means such vague terms, as first cousin, are replaced by brief titles with precise meanings. The syllable me is used for mother, as mo runs too closely with bro and xo, and ma with fa and da. The French and the Greek words for mother justify the e. The alternative forms of so and son enable the latter to be employed at the end of a phrase, where it is more euphonious. Some of the combinations may have a somewhat childish ring, but none are vulgar or grotesque. The value of this brief and exact method of description becomes greater as the kinship becomes more remote.

Noteworthiness.—" Noteworthy " successes are those in any vocation whatever, that in the opinion of the compiler are of a rank not inferior to that which the Fellowship of the Royal Society holds among men of science. The weight ultimately to be assigned to each recorded success must be entrusted to those who will statistically discuss the replies. Minor achievements of persons who are still too young to have achieved any " noteworthy " success deserve record.

As women can rarely display their full abilities, it is necessary to take into account the hereditary significance of the successes of the brothers (and sisters) of all female ancestors. Inquiry is therefore made as to "noteworthiness" in these. To secure equality in statistical treatment, the same course is adopted in respect to the male ancestors also.

For want of space, the forms for the four kinds of great uncle are omitted, namely, *fa fa bro*, *fa me bro*, *me fa bro*, *me me bro*. Similarly as to the great aunts. If any of these should be noteworthy their names may be entered in the third column, preceded by their proper titles. So may grandchildren. Eminent kinsfolk in still more distant degrees can be added in the like way, if thought desirable by the compiler. The noteworthy names should be written successively in the third column in any convenient order. There will be ample space to hold them all,

The number of kinsfolk in each degree who survived childhood is wanted as a clue to the intensity with which ability (as indicated by success) characterises each family.

A separate paragraph on fresh paper should contain the noteworthy facts relating to each person whose name appears in the last column of the schedule. These paragraphs should be written consecutively, and the heading of each should consist of the Register number, the Title, and the full Name of the person to whom it refers, transcribed word for word from the last column of the schedule. Each paragraph should be as brief as may suffice to give a just idea both of the quality and of the grade of ability in the person referred to. Thus the mention of a high success in one branch will render those of minor ones in the same branch unnecessary, on the principle that the greater includes the less. But if the record of any minor achievements testifies to success in different pursuits and therefore to the possession of general ability, they should be included. Also such as may testify to precocity, to slow development, or else to persistence of effort.

The following imperfect list of successes may possibly be useful in suggesting what might otherwise have been overlooked.

Youth.—All high competitive successes at school, college, or elsewhere, such as the greater exhibitions, scholarships, fellowships, foremost places in University Class lists, or in examinations for appointments of any kind. Only two or three of the more important of these need be given. The captainship of a notable athletic team may deserve record.

Manhood.—High and honourable appointments in any profession, excluding those reached by mere seniority or through social position. Political distinctions. Commercial success in establishing or managing large businesses is usually a sign of exceptional ability.

Authorship of valuable memoirs, books, inventions, &c.

Awards of titles, medals, honorary degrees, &c.

Biographical Notices in standard publications.

By accepting the mere title of F.R.S. as a noteworthy distinction, a body of nearly 500 men is at once determined, to whom these circulars will be sent in the first instance. The Fellows of the Royal Society are, as a class, more likely to be interested in this inquiry than others, their answers are sure to be brief and appropriate, and they are eminently qualified to offer useful suggestions. Such suggestions would be warmly welcomed as the scope of the inquiry will probably be hereafter extended. Moreover, the Fellows of the Royal Society are linked by frequent co-operation and mutual acquaintanceship, which renders it comparatively easy to obtain supplementary information when wanted.

Please address the completed results thus, not omitting a large and very legible S in brackets, in the bottom left-hand corner :

FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W. F. 29 V

f.28 PAPERS 21 Eccleston Square S. Ir. 2 2 may 1954 my dear galton I den rather richetz mitte Indack and Grouchits. But ? think I filed it up right. However I send a separate the for distinguished great un cles and first contains of Jatan and mother, as well as first cousing yours sincerely Gemen to Whashhow

# NOTEWORTHY KINSFOLK OF Si Blements R. Markham, Kors. Hes 1

4

("WHO'S WHO" contains all that is wanted concerning yourself.)

\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN.

Common ter		Exac briefly	t kinship phrased	No. who su	Initials	of the	Exa	ct kinsh ly phrase	ed. w	No. ho sur- vived		ials of the	Regr.	Title.	Full names of those whose initials appear in the preceding column.
of kinship		Regr.	Title.	childhood	notew	orthy.	Regr.	Title	1.1	child- hood.	De	teworthy.			appear in the preceding commin.
Grandfather Grandmothe		1 2	fa fa fa me	1 1	W. 2	<b>_</b> .	3 4	me fa me mu	1000						William Thartaken. Soldan, Scartage
Father Mother		5 6	fa me	1.1			1.1	E.		11	1444				
Uncles Aunts		7 8	fa bro fa si				9 10	me bri me si	0						A OULL
Brothers . Sisters		11 12	bro si				1 1	IT		1 1		_			GALTON CON
Half-brother Half-sisters	200	13 14	fa son fa da			100	15 16	me soi me da	(CTU)						
Nephews . Nieces		17 18	bro son bro da				19 20	si son si da		No.					Sie Edie Marktan Ko
First cousins Male .		21 22	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Si Frederick g. Tuilan											
First cousins Female		25 26	fa bro d fa si dd						me bro da me si da					nº k.	He How Freezes Foficates Li Edeni Regartes 9.0.40 - K
				No. who sur-	Initials	Maider	name	~	icar of	Wife	's broth	ers and sisters.			
		Regr.		vived child- hood.	of the note- worthy.	their me		our	her arriage.	Ti	tles.	Initials of the noteworthy.			
Sons .		29	30			2 - 2 - 2 - 2				50 H					
Daught	ers .	30	da							da H da H		and and - and			
Sons . Daughte		29(2) 30(2)	so(2)							10(2) da(2)	Wi bro Wi si Hu bro Hu si				

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f. 291

The number of kinsfolk in each degree who survived childhood is wanted as a clue to the intensity with which ability (as indicated by success) characterises each family.

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Please address the completed results thus, not omitting a large and very legible S in brackets, in the bottom left-hand corner:

FRANCIS GALTON. 42 Rutland Gate, (S) LONDON, S.W.

f.30 Clementer K. Hartahan Withiam hertalan - Scholar, Secretary & Some Harry For For Admiral John Marthham. Distinguished neval officer, NB. Ind of the Admirally Carried Fa Fa tro SNR the " Commission of named anying through the House of Commons - Junge Markham Dean of Bork. Scholar and remionation Fa Fa Gro Fa bro son \_ M. Jeneral Si Edwin Markham &.E. - K.C. I. Constructationic Molarial Sir Allert Marklen K.c. 3. Actic engloren. Fa bro son's son - Frederick K. Marthan (2030) Etactrical engine Fe God son -Juventor of sugarned electrice switch year, and double falls witch matchat with states: forming a successful fin ma 2 the conjoint monton. Fa fa bro on \_ Trederich Juarbham. Jonerat. C.B. Fryst the better I gars The fa is son \_ Sir Francis Dogle Mare. Noce. my loss som \_ www. Sir Frakerick Rilen Best. Holitician. Krig, Consider Jue si son - Francis Fogiande y Dolarton. Hettiin. Hing, Councilla The si son \_ MM Sin Eduine Egerton G.C.M. & \_ K.C. Z. - P.C. Antonia at madrick I COLLE GALTON PAPERS

Marr F.3 104, HUNTINGDON ROAD. CAMBRIDGE. Jug 2 1904 PAPERS for I have al uluned you schercle plus a a can pues no read 7 any whenthy kurph faine A will pechaps par que lemble, havera. y I notepy the fact. Tures faithfully Jun E. Marr. 7. falla Ey.

f. 32r BALTON PAPERS Busset wown Mouse, Swindon. Dear W. Salton I do not know if the notes Tadded to your printed form on a sepera paper about Collateral anceston, were farry Interest; - but if you do print them would you com? add "Hist? Miss. Vot Xappe to "Edward Proger\_" In that Report are printed

f 32v King flearles letter to E. P. Calling him by his familie have of "Loge"! We have the letters here, des his Contrait yours vig sundy Therega Story Mackelegue Jan ? 25 - 1905

£.33 6 Wife & Rindred ascuding & Collateral Wi fa John Dillwyn Slewelyn FRS - early experimentar in Photography Lewis Weston Dillwyw F.R.S. - a well known Batanist established Swansea China Works. M.P. 1832 -41. wife fa High Sherif glamorganshine He represented an ancient Quaker family who went to America with Perce. See Dist Nat Biog= and Biog= Cataloque London Friends Justitute. 1888. Wi fa si son Thaberne Maggridge author of Homog Mentone "Harvesting auto & Trapdoor Spider" Christophe Rice Mansel Tallot And Lieut - Glaunganshine wi me bro M.P. (Fattin of House Hormon) a considerable mathematician He represented the ancient family of Mansel of Margan albey. was Stephen for 15" Part of Schester wine fafa ( William Henry Fox Valbot F.R.S. 1800 - 1877. Oul of the Inventor withe are si son of Photography - Tallotype process & method of plustographic Eugrainy. Twelfth wrangles. Early interpreter tuniform Instrig M.P. Chippenham for one gran. Nat: Dict: Biog ?: Sillwya descendants still Show many acaker instructs. Several members had artistic gifts.

Story. Markelyne ancestors of a more remote digit Bridget Prower who was descended through 2 For me In Thother from the accient family of Meroyn of Pertwood. Whose ancestor, in the 16th Cent? Tucheded John Lewston. Jones of Portland Castle John Still Bishop of Bath Wells 1523 - 1607 one of the first writers of plays. Champermoure of Dartington Commander of the Fleet in The attack on La Rochelle. & Count Gabrielle Montgomerey in command of Scotch quard . in The French service Preat Hugonot. Elizabeth Booth - whose fa fa was Scorge Booth me fa me Prothonotary of Chester 1635-1719. translator of Diodory Sieulus. Son of Sola Booth W- 1610 - 1678 and Dorothy J. John . S of Sir authory S. John . me fa sue nu fa Edward Proger - groom of the Vrivy Chambes to Charlest - whose for - Philip Prages was Groom of the Pring chamber in 1631. me fa fasi da Fame Kelall onarried Sin Henry Stracher Bast Grandfather of Sie Richard Strachee (Q.V.)

Name and Add whom the kinsl	hips are reckoned		Meroya Au	ACCT COLORI	Just,	Maskelyne						
Full name of his	father		Autiony M	Authory Mary a Reeve Story								
Maiden name of 1	ils mother		Margae	et Mack	elype	e						
General kinships	Specific kinships	Num- ber	Initials of the persons described	Specific kinships	Num- ber	Initials of the person described						
Grandfather Grandmother	1. fa fa 2. fa mé		8 P	3. me fa 4. me me		NM						
Father Mother	5. fa 6. me		AMRS									
Uncles	7. fa bro 8. fa ti	0		9. me bro 10. me ti	0							
Brothers Sisters	11. bro 12. si	/ 4	ANAS.									
Half-brothers Half-sisters	13. fa son 14. fa da	•		15. me son 16. me da	0 0							
Nephews Nieces	17. bro son 18. bro da	1		19. <i>sí son</i> 20. <i>sí da</i>	4 -	SJ.SM HWS NMS.						
First cousins { Male {		° 0		23. me bro son 24. me ti son	00							
First cousins ( Female (	25. fa bro da 26. fa si da	0		27. me bro da 28. me si da	0							
Noteworthy kinsfolk in more remote degrees	sce auseres also for	fea She	y for wife", kelyne anee	29 miles si Kino folk stors of an								
30. Maiden name o	f first <i>Wife</i>		Year of marriage	30b. Maiden nam	e of 2n	d Wife Vear of mar						
Thereya mary,			1858									
General kinships	Specific kinships	No,	Initials pers. descr.	Specific kinships	No.	Initials pers. descr.						
Her brothers Her sisters	31. Wi bro 32. Wi si	2 3	J.T. D L	31b. Wi(2) bro 32b. Wi(2) si								
Her and your sons		<i>р</i> 3	ULAF TCR	33b. Wi (2) son 34b. Wi (2) da								

Person from whom the kinships are reckoned, with descriptive notes	Maroy a Hickort Story Machelyne F.R.S. How D.S. Orone How Follow Walkanilol. J.S. DI. M. Paicked Nitt 1880 - 1892. Prof. Neinsalagy Ofon. Kacpa Heineral Department Beilich Museum 1857 - 80. Martin meld Ged. S.
Specific	Fee NOL OF 10740 -
kinships 3.me - fa	References to published notice. Neiril Markely ne. D. D. F. R.S. Copley Medaliet Actionments Royal with first weight the carth ; originater of the Marken almanace . See Nat. Diet. Biog. His name of Neiril came into the family with Neirill. Medaline to Neiril came into the family with Neirill.
5. fa	Maddeline b. 16 11 M. P. F. Cridlade 1660 me fafafafafa rokoce me one one was mary Veville descus of pour John Jan Authory Meroya Recore Story FRS double first at Offerst in his 19 th year.
12 Si	Anna Maria Antonia Story Markelyne maried & Warington Smyth FRS. Son of adminal Songth see Nat Diet Biog.
19 si son	Jolen Story Masternan . 11 "Cler Great Edit Oxford Faller Bradeware " Herbert Waring ton Smyth - author "Fingues in San". obtened order of thirt Stephant formking of Sam.
29 mofasi 31 wibro 34 da s	Main North Makelyne Sneyth V.C. Omkersman. Margant Mackelyne manied Robert first and Give John Talbot Dilleryn Llewelyn Frank (15t) see Mite Wat Bing. Makydeny Arudd Forster maried a Rithout H. O. Mudd Ford Then Castotte Richer marie St. Arthen Richer F.RS
	Dominant characteristics, if any, in the family : mental, moral, or physical.
Unyfi Statu Mant	a constitutions leading to longevity - but sawall are on the Machely we side . ally vigname & active. Strong will, .
Signature and A of the Send	

Mith Madeline

#### EXPLANATION.

THIS CIRCULAR is worded on the supposition that the person from whom kinships are reckoned is a Male. If a Female, the following alterations should be made in ink. In the second and third compartments, write her for his. In the fifth compartment from bottom, write name of husband in place of maiden name of soifs. In the lowest two compartments, write his for her, and Hu for Wi.

Specific terms of kinship are necessary to avoid the ambiguities of the general terms in common use. Thus, *first cousin* is equally applicable to any one of eight different kinds of kinsfolk, four male and four female, without taking double first cousins into separate account. The abbreviations used to express specific kinships are easily intelligible. The syllables, *fa. me, tro., si, sm, daa, Hu, Wi*, stand respectively for *father, mother, brother, sipposed* to have the possessive 's added to it when it is followed by another syllable, or by the word *is* when it is not. Example let the person from whom the kinships are reckoned be called for brevity, P, and let Q and R be two of P's kinsfolk, described father's brother is Q, and that P's mother's sister's son is R.

An entry of the total number of kinsfolk in each specific degree is asked for. The shaded compartments are not to be written on, but elsewhere some entry should always be made. Either the exact number of kinsfolk if it be known; the approximate number with a *quere* (I) if doubtful; a *quere* if unknown, or an O if there are certainly none. In no case should a *dath* (—) be used, because its meaning is ambiguous. Kinsfolk who died in childhood need not be taken into account.

It should be mentioned that each person has, on the average of many cases, *about* one kinsman and one kinsmoman in each and every degree of specific kinship. I have discussed this preblem in *Naturs*, Oct. 27, 1904, and subsequently.

The "persons described " should be those who, in the judgment of the sender, deserve description, paying regard to the character of his returns, which may be either A, B, or C.

In A cognisance is taken only of notable achievements, such as would deserve record in a serious biographical memoir, and only to the best or most characteristic of these, and again only to such of them as have already been noticed in some published form, to which reference is to be made. The publication may be only official or local. One exception may be made to this general rule, namely, when the sender writes to some such effect as this :-"In the judgment of the family, X, who achieved no conspicuous success, was not inferior in natural ability to his brother Y who did so." Such a statement is sufficiently definite, and is of value according to the circumstances of the case. A small pamphlet by myself entitled "Index to the achievements of the kinsfolk of some Fellows of the Royal Society" is sent with this circular. It will give a better idea than long explanations of what is deemed to constitute noteworthiness in the sense A.

In B a lower standard is taken. It chiefly deals with a high general level of family ability, not attended by conspicuous successes, but recognised by friends and others. The unsupported judgment of the sender is open to the suspicion of partiality; it is therefore important to illustrate whatever may be said by brief and appropriate anecdotes.

C applies to any specified characteristic, mental, æsthetic, moral, or physical.

The second page of the schedule affords, in the large majority of cases, as much space as is really needed for entering the information asked for. Otherwise a supplementary sheet of note-paper may be used, opening it out to form a quarto page.

Two copies of the circular are forwarded; one only need be returned. The back of the one should be consulted while entries are made on the face of the other.

Write at first in pencil, faintly, and in a clear small hand; correct at leisure after discussion with members of your family; finally, ink in.

Whatever may be sent will be treated as available for publication, either in whole, in part, or in abstract, according to the judgment of the editor, unless special directions be given to the contrary. In all cases of intended publication, a proof will be forwarded to the sender for corrections, at least a clear fortnight before going to press.

FRANCIS GALTON.

Please return the filled-up circular to the following address :

Mervyn Herbert Nevil Story Maskelyne, F.R.S., Hon.D.Sc., (Oxon) (b.1823) distinguished mineralogist; formerly keeper of Minerals in British Museum; professor of Mineralogy at Oxford, 1856-95; M.P. for Cricklade, 1880-5; for N.Wilts, 1885--1892. (Who's Who)

me fa Nevil Maskelyne, (1732-1811) D.D., F.R.S., Astronomer Royal; was the first man to weigh the earth; the originator of the nautical almanac. (Dict.N.Biog.) double fa Anthony Mervyn Reeve Story, F.R.S, gained a first class classics and in both in "Groate in mathematics & physics at Oxford, 1810. at the age of (Oxf.Reg.) Masterman si son John Story Maskelyne -- gained a first class in "Greats", 1872; fellow of Brasenose, Oxford. (Oxf.Reg.) si son Herbert Warington Smyth; secretary mining dept. Trans--vaal; secretary Siamese Legation, 1898-1901; order White Elephant of Siam, 1897; author of "Five Years in Siam" etc. (Who's Who)

Murill si son Major <u>Nevil Maskelyne Smyth</u>; served with distinction in almost every recent british campaign; obtained V.C. at battle of Khartoum. (Who's Who)<del>#ife-nee Dillwyn-Llewelly</del>n wife nee <u>Dillwyn Llewellyn</u>.

Stewelyn



wi fa fa Lewis Weston Dillwyn, (1778-1855) F.R.S., well known botanist: established Cambrian Pottery works at Swansea Athere educated public taste to natural history designer

M.P. for Glamorganshire, 1832-41. (Dict.N.Biog.) wi fa John Dillwyn Llewellyn , F.R.S., early experimenter in photography.

wifs si son Traherne Moggriage, autor of "Flora of Mentone" "Harvesting Ants" & "Trapicor Spiders".

wi mo bro Christopher Rice Mansel Talbot, Lord Lieutenant of Glamorganshire; M.P., "Father of the House of Commons" w pho wi me me si son William Henry Fox Talbot, (1800-1877) F.R.S., WOH invanted photographic drawing, which improved by the talbbtype method was the foundation of modern photography; early interpreter of cuneiform inscriptions. M.P. for Chippenham,

The of devert printing from plotographes by the autilize proces, a desting

"used " Mat Hist" disigns there before This.

independent inventor of protography is processes [ met -) forceres the

The Mantgarwartist came to Swandea having

gread mathematica, he forthermon was away The carbies h enterprel

This certainly greatly encouraged by & DD

I do not think he introduced theme

? This time therefore is bardly necessary ?

(Dict.N.Biog.) I833-4.

theses which have sarvived in voring pross the also

F. 37

Reg

5. fa. David Masson. ZZ. S., Historiographer Royal, Emeritas Professor of English Literature in the University of Edinburgh, author of "The Life of Milton " and numerous other works.

10. me si. Eliza Orme. ZZ. B. London. Social and political worker, organizer, and public speaker.

12. si. Rosaline Masson. Cuettor and rovelist. See "Who's Who".



f.38

# NOTEWORTHY KINSFOLK OF Jug. D. Oune Marron, JRA. ("WHO'S WHO" contains all that is wanted concerning yourself.)

\*\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

Co	mmon terms	Exact kinship briefly phrased.			SUIT-	Initials		Exact kin briefly phr			No. who sur- vived		ials of the	Regr.	Title.	Full names of those whose initials appear in the preceding column.	
0	f kinship.	Regr.	Title.	chil		noteworthy.		Regr.	Ti	itle.	child- hood,	noteworthy.				which is not been all a second	
	ndfather ndmother .	1 2	fa fa fa me					3 4	me .me		1.1						
	her	5	fa me			2.M		1 1		-			-	5	fa	David Masson	
	des 1ts	7 8	fa bro fa si	12				9 10	me me		35	ε.	0.	10	me si	Eliza Druce	
	thers ers	11 12	bro si	- 3	- 0	R.M.		1 1		-	11		Ξ	12	si	Rosaline Masson	
	f-brothers . f-sisters	13 14	fa son fa da					15 16	me me								
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By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

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5 fa William matters. above average ability in natural Science and in appreciation of arhand literature but backed portunity and training - Founder of museum lite - Excelled as a culticator - hyperidist (mi 1825 about) magistrale pud alderman for mainy rears - Mayor 7 Canterbury 4 above noverage ability and with superior powers of appreciation, 6 me Rate masters 11 bro one brother William & masters Same promise of superior willig as a naturalist - tras curator Neuseum of King' College Konson Teur published little, - Died in 3 She above named were in my judgment above average in abilitybut it is impossible to institute a Comparison of Their mental howers with those of an F.R.S. - One danghler ET.M an authoress. -PAPERS

f.41

f.42 COLL St. John's College GALTON Cambridge hang 29. 1904 PAPERS Dras Sis, Herewith I return the "kinfolk" form, filled up fthe best of my ability. I have added a few meter about my family in both sides, which I hope you will not think superfluors. The fact is that the Balland's generally have been very dever, but any party to circuinstances, & faath to their oron definencies, han not made a tanget recend game frithpulg reg. B. mathers 7. Gallin Eng.

kingolk. - g. B. maturs

(1

1. Group Balland, my mother's fatter, was the groungest shield of a lowerickshie Hacksmith. As a by he observed annound provers of calculation, being all to extract a cube rolt at the age of 12. He was always found of mathematics: I To not think he concess his solidies for , putably another the algebra, & grounding of the old-fushions kind was all that he read. He entered the Civil Service in the because department, was transferred to the heland Resonand, or evendually because assistant decentary. This protein he gains by sheer ability without any interest, & in that capacity low I have department. He died at the age of 82 (in 1865): naturally my resolution of him is art very vivid

It may h intereding & add the following artes. are my hostic's hothers append to have here here of distinct a billing, but all except the two did comparatively young. They did wit inherit this father's preservance. Of the to movings and one has a good record : he was in the Inland Revenue, het retired early. I know his very well: he was very alle, but lags. This lagsing ( or 'happy-gohicks' visionities ) combined with oby were is, I thinks, mather a fratment of his family. - To my watter I are my seally lessons (I shi art go to short the I years of ): she was very well target in her youth, I done then huse them I can say. Here was an acquisitive mind of a very high order, I an say. Here was an acquisitive mind of a very high order, I an succe. I have often thought, of late years, here little Incabined the receptional capacities of my means reladions the I was youry.

my faster did not injoy the same opportunities as my mether : but he taught himself very effectively, was find of literature, and was an excellent reader. I remember his reading along to as Drikens, Shakespeare, Byron, Burns, Sutt, & Thackeray amongst other and two. But he & my mother were excleent anthertinians. - my father brothers saister showed no special talent. my hother has followed the example of our maternal uncles. I findly believe his mental capacity is as good as my own, if not beter: but he will never turn it to account. - my vister (a turn with my hother ) has not tasken diplomas, etc., but is distinctly "hoteworthy ? she is a good linguist, & has considerable talent in painting + deign.

g. B.m.

(2

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G. B. Mathews, Bog. J.R.S.

1

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Matthey no form returned July 30- 1904 Mu Matthey present his Compliments to Mon Francis Gallow and repretiup his proper an "ability in Families" He really has not had the time to do it

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Common terms		t kinship phrased		Initials		Exa briefl	et kinship y phrased.	No. who sur vived	Int	ials of the teworthy.	Regr.	Title.	Full names of those whose initials appear in the preceding column.
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Father	5 6	fa me	1			1 -		11		_			
Uncles Aunts	7	fa bro fa si		ja fa j	asi 79.	9 10	me bro me si		Н.	S.			abruiral of the Rech Sin Honoton Stewart GCI (1791 - 1875) See D.N.B.
Brothers Sisters	11 12	bro si						11		-131			
Half-brothers . Half-sisters	13 14	fa son fa da				15 16	me son me da						
Nephews Nieces	17 18	bro son bro da				19 20	si son si da		12				GALTON E
First cousins Male	21 22	fa bro s fa si so				23 24	me bro soi me si son	100 100					HOC HOC
First cousins Female	25 26	fa bro fa si de				27 28	me bro da me si da						
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f.47r

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FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W. (.49V

## NOTEWORTHY KINSFOLK OF A. B. Medlicott, Esq, JRS.

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\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN.

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### ABILITY IN FAMILIES.

By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

The object of the inquiry is to ascertain the frequency with which Ability, as indicated by High Success, is distributed among the members of a family; how far it is sporadic and how far it seems to be hereditary or else traditional. The replies will add to our knowledge of some of the main causes of evolution: one of these is the coefficient of mental heredity, another the inclination or otherwise of persons to mate with their like or unlike, another the fertility of the mentally exceptional in various degrees, including their tendency to be celibate, or to marry early or late.

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f 490 6, BRUNSWICK SQUARE, W.C. LTON ED July 8/04 Thy dear Gatton, I find that I have very stupidly only credited myself with two uncles on my mother's side instead of three. as my mother's eldest brother ale achieved some sort of distinction I ought to have included him so I sent another form with particulary I a cutting from an old Southenpt paper justiquing (or not, as the case may be) claim to inclusion. copy of correspondence with the

£49, Dean of Westminster about the Spencer memorial & I shall grateful for Jum Jon, be very suggestions Vincerel Jours, A heldole.

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Justs relating to persons named in Schedule. 1. Rev. Dr. Raphael Melbola; born Leghorn 1754; invited to London on account of his fame as a theologian in 1805 To preside as High Rabbi (Icclesiastical Chief) over the London con-- gregation of British Jours belonging to the Spanish & Portuguese (Sepherdie) community. Held The office with distinction till time of death in 1828. Author of several theological works of high merit in their time. y. Rev. Dr. David theldola, son of the proceeding. Succeeded his father as chip of the Community although not given such high rank. author of some theological works. 9. Joseph Abraham bype Achieved distinction as a merchant in Bristol. Founded a large & successful firm. Took a prominent part in Municipal affairs at a time when Jewish influence was but slight. Was the first Jewish Phayor of Bristol V (probably) of any other provincial town. 22. An extremely crudite Scholar & author of some theological works. Progessor of Priental Literature in the Gill College (non University) thoutreal. Has been the only Jewish Divine ever invited to open Congress by the United States Government. hame: Here Dr. abram de Sola. 23 Harry Abraham Logre Achieved distinction as a man of business & as a Councillor of the town of Southampton. He also was theyor at a time when Jewish influence was not allowed full sway & he was high in rank as a Freemason at a time when the Jews had hardly been recognized in this praternity.

Raphael Meldola, (b.1849), F.R.S. professor of chemistry in Finsbury Technical College; discoverer of many new prodects & processes in the manufacture of coal-tar dyes; also well known as a naturalist, has been president of the Entomological Soc., & of the Essex Field Club. [Who's Who]

fa fa Raphael Meldola, ((1754-1828) invited to London on account of his fame as a theologian in 1805, to preside as High Rabbi over the London congregation of British Jews belonging to the Spanish & Portuguese community; author of many theological works of high merit in their time. [Dict.N.Biog.]

fa bro David Meldola, succeeded his father as chief of the community though not given such high rank; author of some theological works.

me bro Joseph Abraham, founded a large & successful firm in Bristol; took a prominent part in municipal affairs, & became the first Jewish mayor of Bristol.

fa si son Abram <u>de Sola</u>, erudite scholar, & author of some theological works: professor of Oriental literature in McGill Coll. Montreal; the only Jewish Divine ever invited to open congress by the U.S. government.

me bro son Harry Abraham, achieved distinction as a man of business, & as councillor & mayor of Southampton.

f.540 Protetion Louis C Miall NOTEWORTHY KINSFOLK OF FRS ("WHO'S WHO" contains all that is wanted concerning yourself.) \*\*\* WRITE AT FIRST FAINTLY IN FENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN. bro = brother ; da = daughter ; fa = father ; Hu = husband ; me = mother ; si = sister ; so or son = son ; Wi = wife. fa bro son means "MY father's brother's son IS"; me da means "MY mother's daughter IS"; so Wi bro means "MY son's wife's brother IS"; &c. Exact kinship briefly phrased. No. who survived child-hood. Exact kinship briefly phrased. No. who sur vived child-hood. Full names of those whose initials appear in the preceding column. Initials of the noteworthy. Initials of the noteworthy. Common terms of kinship. Regr. Title. Title. Regr. Regr. Title. James Goodeve Miall (Rev.) Grandfather . 1 fa fa 3 me fa Grandmother fa me me me 2 4 J.G. M. Father . . . Edward Miall 1 1 5 fa Mother . . . 6 me Charles Machensie E.M. 6 C.M. 5 Uncles . . . fa bro 9 me bro 7 fa si 75 me si 2 Aunts. . . . 10 8 Sir Morell Mackensie Brothers . . п. bro Sir Stephen Mackelicie si -Sisters . . . 12 fa son Half-brothers 15 13 me 3011 Stephen Mia Half-sisters . 14 fa da 16 me da Laurence Mial 86 Nephews . . bro son 19 si son 17 si da Nicces . . . . bro da 20 18 6 M.M.S.Ma 142 First cousins . 21 fa bro so 23 me bro so Male . . me si son 22 fa si son 24 10 8 First cousins . me bro da 25 fa bro da 27 1 Female . 26 fa si da 28 me si da Wife's brothers and sisters. Maiden name of their mother, your wife. Year of her marriage. Initials of the note-worthy. who sur vived child-Regr. Title. Initials of the Titles. noteworthy. Emily Pearce 1870 S.Mi. marriage. 3× so Wi bro Sons . . . 29 30 so Wisi da Hu bro da Hu si da Daughters 30 marriage. so(2) Wi bro Sons . . . 20(2) 50(2) 10(2) Wi si da(2) Hu br Daughters . 30(2) da(2)pur da(2) Hu si L. C. Miall, I, Richmond Mount, Readingly feeds. Signature and Address of the Sender × one died at 23

### ABILITY IN FAMILIES.

By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

The object of the inquiry is to ascertain the frequency with which Ability, as indicated by High Success, is distributed among the members of a family; how far it is sporadic and how far it seems to be hereditary or else traditional. The replies will add to our knowledge of some of the main causes of evolution : one of these is the coefficient of mental heredity, another the inclination or otherwise of persons to mate with their like or unlike, another the fertility of the mentally exceptional in various degrees, including their tendency to be celibate, or to marry early or late.

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For want of space, the forms for the four kinds of great uncle are omitted, namely, *fa fa bro*, *fa me bro*, *me fa bro*, *me me bro*. Similarly as to the great aunts. If any of these should be noteworthy their names may be entered in the third column, preceded by their proper titles. So may grandchildren. Eminent kinsfolk in still more distant degrees can be added in the like way, if thought desirable by the compiler. The noteworthy names should be written successively in the third column in any convenient order. There will be ample space to hold them all.

The number of kinsfolk in each degree who survived childhood is wanted as a clue to the intensity with which ability (as indicated by success) characterises each family.

A separate paragraph on fresh paper should contain the noteworthy facts relating to each person whose name appears in the last column of the schedule. These paragraphs should be written consecutively, and the heading of each should consist of the Register number, the Title, and the full Name of the person to whom it refers, transcribed word for word from the last column of the schedule. Each paragraph should be as brief as may suffice to give a just idea both of the *quality* and of the grade of ability in the person referred to. Thus the mention of a high success in one branch will render those of minor ones in the same branch unnecessary, on the principle that the greater includes the less. But if the record of any minor achievements testifies to success in *different* pursuits and therefore to the possession of general ability, they should be included. Also such as may testify to precocity, to slow development, or else to persistence of effort.

The following imperfect list of successes may possibly be useful in suggesting what might otherwise have been overlooked.

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FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDO

LONDON, S.W.

I, RICHMOND MOUNT, 5 for James Goodeve Miall (Rev) HEADINGLEY, LEEDS. Chairman of Congregational Union. 7 fa bro Edward Miall, a well-known Nonconformist editor & M. P. Life publi 9 me bio Charles Mackengie, a well-known Haymarkel actor (stage - name Kenny Compton). dife published. 23 mebro son Sir Morell Mackencie, a wellknown physician. Life published. 23 me bro son Sir Stephen Mackenzie, a wellknown physician (living) Stephen Miall, first in Solicitors' examination, and Clement's Sun L 29 20 "Daniel Reardon" prigeman, 1896. First - class honowrs in Common Low L'Equity at Ll. B (Loud); # LLD. Selected as candidate for parliament ( Holborn division). Lawrence Miall, scholar of St John's Coll., Combridge. Died at 23. 29 10

f.55

Louis C. <u>Miall</u>, (b. 1842) F.R.S., professor of biology, University, Leeds; Fullerian Professor of Physiology, Royal Inst.; pres. zool. sec. British. Ass., 1897; author of memoirs on Natural History, f.56

& books (Who's Who)

fa James Goodene Miall, (Rev.) Chairman of Congregational Union.

fa bro Edward Miall, (1809-1881) independent minister at Leicester 1834; established & edited "The Noncomformist", 1841; M.P. Rochdale, 1852-7; Bradford, 1869-74; endeavoured to obtain disestablishment of church. (Dict.N.Biog.) me bro Charles Mackenzie, a wellknown Haymarket actor; (stage name Henry Compton) (1837 - 1892)me bro son Sir Morell Mackenzie, the celebrated physician specialist on diseases of the throat. (Dict.N.Biog.) me bro son Sir Stephen Mackenzie, (b.1844) well known physician. senior physician London Hospital; consulting physician Poplar Hospital, etc. (Who's Who) son Stephen Miall, first in solicitors examination; Clement's Inn & "Daniel Reardh" prizeman, 1896; Irst class honours LL.B. & LL.D., London. selected as candidate for /2 parliament, Holborn division.

## NOTEWORTHY KINSFOLK OF

FOLK OF (10). H. a Miers, FRA. ("WHO'S WHO" contains all that is wanted concerning yourself.)

\*\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELV IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

	nmon terms		t kinshij y phrase		Initials			ct kinsl ly phras	sed. wh	No. to sur-		ials of the	Regr.	Title.	Full names of those whose initials appear in the preceding column.
0	f kinship.	Regr.	Title.	child-	notewo	rthy.	Regr.	Titl	C	hild- ood.	no	teworthy.			appear in the preceding commu-
	ndfather ndmother .	I 2	fa fa fa me	1	12.		3 4	me fo		4 -			?		La Francis Place.
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	t cousins Female , .	25 26	fa bro fa si a				27 28	me bi me si		5-					
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f.57-

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FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W. 1.571

Miero, H.A. F.58 ? fame. fa. trancis Place . Political Anthon . See Dictionary of National Birgs aples, and "Life of Francis Place " by Graham Walles , 1898. 1. fa.fa. John miers Botamist. F.R.S. for 36 years. Author of Travels in Chile and La Plata " See Sichiman y National Birgraphy. Francis Charles miers . Engineer and successful 5. fa. man of burniess. 11. bro. Edward John Miers . Joursgist . Autor of Whime on Bruchyurn in Challenger Reports, Sc.

Magrelen Cole, Actor

Jellow of Fron Professor of Mineralogy, Oxford, since 1895; has published many scientific papers, "The Soil in Relation to Health" (in <u>conjunction with Dr. R. Crosskey</u>), "Mineralogy" etc. (Who's Who)

fa me fa <u>Francis Place</u>(1771-1854) radical reformer & writer; started life as leather-breeches-maker; succeeded in getting the laws against combinations of workmen repealed. (Dict.N.Biog.) fa fa <u>John Miers</u> (1789-1879) F.R.S., engineer & botanist; author of many recentific papers birds , insects , & plants.) (Dict.N.Biog.)

fa <u>Francis Charles Miers</u>, engineer & successful man of business.

bro Edward John Miers, zoologist; author of volume on Brachy--ura in Challenger Reports.etc.

#### Jugerron John Milne, FRS. NOTEWORTHY KINSFOLK OF ("WHO'S WHO" contains all that is wanted concerning yourself.) \*.\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN. bro = brother; da = daughter; fa = father; Hu = husband; me = mother; si = sister; so or son = son; Wi = wife. fa bro son means "MY father's brother's son IS"; me da means "MY mother's daughter IS"; so Wi bro means "MY son's wife's brother IS"; &c. No. who survived child-hood. Exact kinship briefly phrased. Exact kinship briefly phrased No. who sur vived child-hood. Initials of the noteworthy. Initials of the noteworthy. Full names of those whose initials appear in the preceding column. Common term of kinship. Regr. Title Regr. Title. Title. Regr. Grandfather . . 3 10 1 fa fa me fa 3 2 Ja me 2 Grandmother me me x 4 3 Father . . . . fa 5 Mother . . . . 6 me 12 0 3 Uncles . . . . 7 fa bro 9 me bro 2 Aunts. . . . 8 fa si 10 me si 8 Brothers . . . bro 0 11 si. Sisters . . . 12 0 Half-brothers fa son 0 15 me son es d 13 16 me da Half-sisters . 14 fa da 0 ĉ 0 0 si son Nephews . . 17 bro som 10 0 0 Nieces . . . . 18 bro da 20 si da 0 First couisins . fa bro son 23 me bro so 3 21 Male . . . me si son 22 fa si son 4 24 8 2 0 27 me bro da First cousins . . 25 fa bro da Female . . 3 fa si da 28 me si da 26 6 Wife's brothers and sisters. Maiden name of their mother, your wife. Initials of the note-worthy. Year of her vived child-Regr. Title. Initials of the marriage. Titles. noteworthy. so Wi bro riage. Sons . 20 50 so Wi si da Hu bro Daughters 30 da Hu si so(2) Wi bro marriage 29(2) 30(2) Sons . . so(2) Wi si da(2) Hu bro Daughters . 30(2) da(2) put da(2) Hu si Shide I.W. England J. Milm Signature and Address of the Sender

no letter

6.605

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FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W. 160V

F61 25, NOTTINGHAM PLACE, W. GALTON DO July 20th/04 Dear Ju Super that ming t a serious illuips Shave her tmathe to forward you the milind type. murs very truly Red What havin gallon by acknowledged 83

# NOTEWORTHY KINSFOLK OF D. F. W. Mott, FRA.

("WHO'S WHO" contains all that is wanted concerning yourself.)

\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

	non terms		t kinship phrased		sur-	Initials			et kinsh ly phras	sed. w	No. ho sur- vived		als of the	Regr.	Title.	Full names of those whose initials
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f.62r

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Please address the completed results thus, not omitting a large and very legible S in brackets, in the bottom left-hand corner :

FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W. f.62V

f.13 adden dum although I am unalle to trace any encuter of my amily whom I courider sufficiently entirolly I's included in your relarnes, yet I am of Accum that anotally a playmently my father a has enne Withers had encuted a physical prover about the average. My mother had not then the average natural ability a persistence geffet that as mention of her family could be coundered actionthy. Stainder whater much Thank in the suchtific would like due to to the punileur 7 2/fort a a spent fermonty combined with a good countertion and a sufficiency fineans truth one to dorte an adequate amount of time to my unstigations There four daughters all proming the mar than the average mental a phyment development. Redenix Walka hut mott

f.64r COLLER Clayton House, GALTON PAPERS Clifton Park, Bristol. 18 h July 1904 Mar W. Galton, have been lard up and an still hed by her leg (Sciatica) Murwin I should have writen 5 yers about your about in Families arcular. Jam afraid I can only write acron her whole leries midioenty. Joshow you how on that I donot say his whoat con. siduation I five our or two indication kunof. me. fa. But up considerable kincanti a burnin - & failed

F.691 going horagh ha court. bro (1) Solicitor & hiddle I un ple - good lawyer I am Ald. chetid & how tour an Club a select body but not a public body bro (2) Doctor in hun pool. legarded as food audun photographic huddlest 2. Jo m Si. Had of District hurry home at Cardify. Mr. Le. hurband failed . Buckled 5 and Started large L Lucessful fronte finds school woman of hunch force of-Character but he public acord & school I dan Lay her better han hundreds of

f.65r Oher Luch fa. bro. took over Breuroz burinen in Norwich . Droeloped it will his nothing beyond puchocrity tro, lon. Lenior tate (6% og bot) Entrance scholar ship bruchente Shats, ku sort of king. artand use in the judy mit ku lost og stuff ym want. illed in . trywe my bolling you with a liter - I wont you to know that I donor utur a Utim because in That alurn I really have astring to return yours very hill · klogdlijoo jan Acknowledged by me EB.

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DEPARTMENT OF PUBLIC EDUCATION, CAPE TOWN,

3/8/04.

\* 7.2mb

f.665

No.

Dear Sir ,

gistie of wifely

I regret exceedingly to find your letter regarding "Ability in Families" so long neglected , because although my case is not likely to help you in any way, my sympathy is entirely with you in your efforts, and my respect for what you have already done is genuine.

T am . Sour tir . with bush wishes .

The fatal difficulty with me as regards your schedule lies in the fact that I do not really possess the information concerning my people which would enable me to fill it up with anything approximating to accuracy . Possibly this may be evidence that they have all been inconspicuous folks, but it is certainly also in great part due to want of family cohesion, which is a well-known trait amongst us.

How chanceful it is this quality of "noteworthiness" ! My father was a man never heard of beyond a narrow circle , yet few noted men of my acquaintance have equalled him in ability . My eldest daughter had a quite unique school and college career , having stood first against all South Africa, male and female, in the following examinations,--

> School "Higher, Matriculation. Intermediate, B. A.,

-- not a bookworm, -- attended one of her final University examinations after having danced out the hours at the ball the previous night. The measure of her then " noteworthiness " was the appearance of her portrait in the illustrated papers. Even that, however, did not persist, for fate , a quite happy fate, intervened, and she fell back into the sweet obscurity of wifely duty.

*P*5:

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I am , Dear Sir , with best wishes , """ """ """"

The fact that I do not could parant the C.A. Telebook provide the interval of the test that I do not could evolve the C.A. Telebook the provide the second of the test of the test is approximating to approximating to approximately . To second which the second of the test the second of the test the second of the test test approximation of the test test approximation of the test test approximation of the test of the test test approximation of the test of test of test of the test of test o

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Com	mon terms		t kinship phrased.	No. who sur- vived	Initials of			t kinship phrased.	- who		als of the	Regr.	Title.	Full names of those whose initials appear in the preceding column.
of	kinship.	Regr.	Title.	child- hood.	notewo	rthy.	Regr.	Title.	ch	ild- od.	eworthy.	-2.96		affear a ar from 8
Gran	dfather	I	fa fa				3	me fa		-			Sec. Mart	
Gran	dmother .	2	fa me	-			4	me me			2333.8			
Fath	er	5	fa	-			-	-		-1250	-			
Moth	er	6	me	-			-	-			-			
Unel	es	7	fa bro				9	me bro						
Aunt	8	8	fa si				10	me si		111		1.	1 20	as hot suffice
Broth	hers	ш	bro				-	-				1ª	7	at sufice
Siste	rs	12	si				-	-			- /	hat	he h	As not 10
Half	brothers .	13	fa son				15	me son				, Lie	the ka	sublage to
Half	sisters	14	fa da				16	me da						1. toire The
	hews	17	bro son				19	si son				In	ble h	in to give the
Nieo	es	18	bro da				20	si da				4	torma	tion asked for
	cousins	21	fa bro so				23 24	me bro si s	100 C	10 20		/	1905 25	
3	dale	22	fa si soi	4				me 11 1						
	t cousins , .	25	fa bro a				27 28	me bro me si a		385			3	Leg 190 %
	female	26	fa si da	10340						-				
				No.	Initials	Maide	en name	of Ve	ear of	Wife's brothe	ers and sisters.		adapter of	
		Regr.	Title.		of the note- worthy.	their m	other, y wife.	our 1	her rriage.	Titles.	Initials of the noteworthy.			(1)
rriage.	Sons	29	50							Wi bro Wi si				GALTON
1st ma	Daughters	30	da							the Hardense				2/4/14/2/11
arriage.	Sons	29(2)	50(2)							10(2) Wi bro 10(2) Wi si				120 100
and mu	Daughters	30(2)	da(2)							da(2) Ha bro			12.12.1	

Signature and Address of the Sender

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no letter

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F.2.0

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	non terms	Exac briefly	t kinship	No. who survived	THILDUS			et kinsl y phras	sed. who	ved	Initials of the	Regr.	Title.	Full names of those whose initials appear in the preceding column.
	cinship.	Regr.	Title.	child-	notewo	orthy.	Regr.	Titl	ch	ild- ood.	noteworthy.			appear in the precessing commu-
	lfather Imother .		fa fa fa me	-			3 4	me fo		-				1-5-1
	τ cr	5 6	fa me	-			-			-	Z			Jun
	5	7 8	fa bro fa si				9 10	me b me s						and and
	crs	11 12	bro si					-			-			224
Half-	brothers .	13	fa son fa da				15 16	me s me d			GALTON TO			Rauly
0.00	ews	17 18	bro son bro da				19 20	si so si da			FAPERS NO			1 mar
	cousins	21 22	fa bro fa si s				23 24	1000000	hro son si son					325
	cousins	25 26	fa bro fa si i				27 28	10000	bro da si da					lei lie
				No. who sur-	Initials	Maid	en name	of	Year of	Wife	's brothers and sisters.			1 sel se
		Regr.	Title.	vived child- hood.	of the note- worthy.	their n	nother, y wife.	our	her marriage.	Ti	tles. Initials of the noteworthy.			and and a
1st marriage.	Sons	29	30							to H	'i bro 'i si unboa,			The second
	Daughters .	. 30	da								11:34			2 aller
marriage.	Sons	. 29(2)	50(2)							se(2)	Wi bro Wi si Hactro			0.5 5-3
2nd r	Daughters .	. 30(2)	da(2)							de(2)	Hurzi	0	1	Cambridge

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£.3 15 mg 1904

MAGDALENE COLLEGE,

CAMBRIDGE.

My dear Saltin,

Sherwith new Jun Schuslacke, filled up to time hat I may whitely; has I strong herpert for with our think lame of the selation I have knowed to be " how they" I have fin the ten haufit 1 to doubt, and at which have To ht in hidgent. Jalar caulon in a Aparte Japan , & Ju Kinn , The ching Just reting to Cash of them I have hume, and me Jummyby alped haven GALTON PAPERS

	•.• 1	VRITE AT 1	TIRST FAIL	NTLY IN PENCIL; COR	RECT LE	ISURELY IN	CONCER	T WITH MEMBERS OF	YOUR FAM	ILY : WHEN	SATISFIED, INK IN.
fa	bro son							e = mother ; si = sister s daughter IS " ; so Wi			= wife. wife's brother IS"; &c.
Common terms of kinship.		ct kinship y phrased. Title.	No, who sur- vived child- hood.	Initials of the noteworthy.		et kinship ly phrased. Title.	No. who sur- vived child- hood.	Initials of the noteworthy.	Regr.	Title.	Full names of those whose initials appear in the preceding column.
Grandfather Grandmother .	I	fa fa fa me	-	S.N.	3 4	me fa •me me	Ē	R.S.M.	1		Samuel Newton Richard States milnes
Father	5	fa me	I F	w.w.	11			_	359		Kichard Slater Malnes William New Ton Robert Pemberton milue
Uncles	7 8	fa bro fa si	-0	64	9 10	me bro me si	25	R.P.M.	1	(	Rotin Milliam Samue Newton
Brothers Sisters	11 12	bro si	5 {	WS.N. /R.M.N.   M.P.N.   E.N	1 -	-			"	1	Heren Parter Newton
Half-brothers Half-sisters	13 14	fa son fa da	E		15 16	me son me da				5	Arthur William Newton
Nephews Nieces	17 18	bro son bro da	10 {	A.W.N.  F.J.N. H.B.N.	19 20	si son si da			17	2	Francis James Nestern Henry Alfred Nestern
First cousins Male	21 22	fa bro son fa si son	1		23 24	me bro son me si son	15	R.M.M. M.W.	2 <b>9</b> 24		Richard Monchlin Milnes Marmachuka Wyrike
First cousins Female	25 26	fa òro da fa si da	7		27 28	me bro da me si da	1				
	Regr.	Title, wh	ived of	the note- their m	en name o other, yo wife.		of	e's brothers and sisters. Titles. Initials of the noteworthy.	SH GA	LTON	
Sons	29	~		/	/		30 H	Vi bro Vi si	Inn	PERS	and a second second second
Daughters .	30	da		×			da H	tu bro Hu si			a da Cara a
Sons Daughters .		/	/		/		so(2) da(2)	Wi bro Wi si ) Hu bro ) Hu si			
	1	/	ss of th	he Sender			-	a College, (			

#### ABILITY IN FAMILIES. By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

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FRANCIS GALTON. 42 RUTLAND GATE, LONDON, S.W. 1.4V

Samuel Neston - Successful West India planter -Ridered Slater heitnes - Took promine part in County humans. 3 Within Newton - M.P. Spanish 5 Robert Pembertin Milner - M.P. Portaprace - Took pormine have in loverty humans . 9 William Samuel New Ton - General in The army . 11 Robus Milnes Newton - Reader of Cambridge, But mposi En Police Magistude. 11 Heren Parker Neutre - Panne into Royce Academy, Working head of his year . Lient - Semulinter Kong 11 Edward Newtin, K. C. M. G., Colonial Seconting of Manin times, de with Sooning Juncin - joint anter with 11 a. S. of paper in Phil. Trans., aution of harval gordsial paper in Sain Eitic founds. 17 Artur Willie New ton, Soleriary Trinity College, Cambridge , M.M. Inspecture of Schoole . 17 Francis James New Tom, E.M. G., Administration of British Berlinan hand Tolonie Scenter Britis Andure & Barbados, Trasur of Southern Rhoderin . 17 Henry Alfred Neutren, Sobalan of May dalam ( Maye, Cambridge. 23 Richard None & Milnes, N.P. Pontafras, weekun Sum of laters. could for Houghton ( his low Robert Offly his how, trended an 2" Love Houghten, contract East of Cour. Il. Lieut. of Incland ) 24 Marmeduke Wyvill, M.P. Richmand. Chrosphager ( amotiver ) of the 12 orderalfred Ruchen Jaraga un College, Cambridge. 15 may 1904.



Alfred Newton, (b.1829), F.R.S., Cambridge professor of zoology & comparative anatomy, Cambridge; has been very active in promoting the protection of wild birds; has been vice-pre--ident of the Royal & zoological societies; has been awarded gold medal of Linnean & one of the royal medals adjudged by the Royal Soc.; author of many works dealing principally with birds. (Who's Who)

Magdalene Cole. Cambridge

me fa <u>Richard Slater Milmer</u>, for York; took a prominent part in county business.

fa <u>William Newton</u>, M.P. for Ipswich. me bro <u>Robert Pemberton Milnes</u>, M.P. for Pontefract; took a prominent part in county business.

bro <u>Robert Milnes Newton</u>, recorder of Cambridge; metropolitan police magistmate.

bro Sir <u>Edward Newton</u>, K.C.M.G.; colonial secretary of Mauritius, lieut.-governor of Jamaica; joint author with prof. Alfred Newton of a paper in the Phil. Trans. & of several zoological papers in scientific journals. bro Lieut.-general <u>Horace Parker Newton</u>, passed into R.M.A. Woolwich head of his year.

broson <u>Arthur William Newton</u>, scholar of Trinity Coll. Cambridge: H.M. inspector of schools. 6.6

bro son <u>Francis James Newton</u>, (b.1857), C.M.G.; treasurer of British South Africa Chartered Company, 1902; sometime Southin administrator of British Bechuanaland, & colonial secretary British Honduras & Barbadoes. (Who's Who) bro son <u>Henry Alfred Newton</u>, scholar of Magdale Coll.

me bro son <u>Richard Monckton Milnes</u>, Irst Baron <u>Houghton</u>, <u>Automp</u> (1809-1885); <u>concervative</u> M.P. for Pontefract, 1837; did much <u>been poor</u> to secure Copyright Act; assisted in the preparation of <u>brins Cric</u> "The Tribune", 1836;: established the "Philobiblon Soc." 1853. (Dict.N.Biog.) <u>Lip 4</u> <u>Verna Reise</u>, <u>Zect</u>. me bro son son <u>Robert Offley Ashburton Crewe-Milnes</u>, Irst earl of <u>Crewe</u>, son of Lord Houghton; Lord Lieut. of Ireland, 1892-95. (Who's Who) me si son <u>Marmaduke Wyvilä</u>, M.P. for Richmond.

9

## NOTEWORTHY KINSFOLK OF E. J. Newton, Esqueres.

("WHO'S WHO" contains all that is wanted concerning yourself.)

for

\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

Common terms of kinship.			t kinship phrased.	who sur	Indials		Exact kinshi briefly phrase		ed. wł	No. no sur-	Initia	Initials of the noteworthy.	Regr.	Title.	Full names of those whose initials appear in the preceding column.
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	t cousins Female	25 26	fa bro a fa si da				27 28	me br me si		3					
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FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W.

man fa. fa Charles Tulky, Tellow of Boyal astronom. Loc from 1822 & about 1829. A well Burn Offician of Schington and of reparts as a maker of some of the earlier Achromotic object glasses for telescopes. Lee Kaport. - Shew Bry. Derhon. Low Vol.T. 1 507. Philiary. Sworth hotos of our astron. Jor. Vol.I. 1833. 3. me. fa, W.T. William Julley. Fellow of Boy Rota, Sociely 1830-1835. Ophician Stopute. well known as the matter of some of the earlier achromatic microscopic object glasses. 13. Ja. son. T.W.N. Theos. William hewton. Was for many years dibrarian to the geological necescum Jerungen Street and wrste a small book of travel, Catatogue of Sto English Ballos fa. son. Jon. ( non of /2 hitter T.W.N.) Hold scientific fort at British Ameserus and has putheto popers on palaeoutobyceal subjects. faron son (son of he brother T.W.N.) Dis particularly well at orhool in science : and then gamed a scientific appointment in Pater office by open compatibilities examination. S.J. Tradio July 5.04

EAST STRATTON £10 STRATTON. MICHELDEVER STATION. Dear hr galton IL I have misundentood any Ayour instractions whim hall please In information M attilat May GALTON PAPERS

NOTEWORTHY KINSFOLK OF The barl of northbrook, a cs. +RD. ("WHO'S WHO" contains all that is wanted concerning yourself.), \*\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN. PAPER  $\delta ro = brother$ ; da = daughter; fa = father; Hu = husband; me = mother; si = sister; so or son = son; Wi = wife. fa bro son means "MY father's brother's son IS"; me da means "MY mother's daughter IS"; so Wi bro means "MY son's wife's brother IS"; &c. Exact kinship briefly phrased. Exact kinship briefly phrased. No. who sur vived child-hood. No. who sur vived child-hood. Full names of those whose initials appear in the preceding column. Initials of the noteworthy. Initials of the noteworthy. Common term of kinship. Regr. Title. Title. Title. Regr. Regr. Grandfather fa fa 3 me fa 4 meme Mary Grey. M.G Grandmother fa me me me 2 4 fa F. J. Baring 5 FTB Father fa 5 Mother 6 me y fa too Thomas Baring 3. 89 2 Uncles . . fa bro 9 me bro 7 4 Toba too Charles Baring 3 me si Aunts. . . fa si 10 \$ 0 11 bro 9 mebro George Guey Brothers . . si . 3 Sisters . . . 12 1 Half-brothers 15 13 fa son me. 500 fu.faloo. alerauly Baring Half-sisters 14 fa da 16 me da si son Nephews bro son 19 1 17 fate son Evelyn Baring si da Nicces . . . . bro da 20 18 2 3 First cousins 21 fa bro son 23 me bro se ba si im Henry Labouchere 87. Male . . 4 24 me si son 6 22 fa si son me fa tro. Earl Grey. 2 me bro da First cousins . 25 fa bro da 27 28 me si da Female 26 fa si da a lot 24 me si son Edward Jenkinson Wife's brothers and sisters Year of her marriage. Initials of the note worthy. Maiden name of their mother, your wife. Francis Baring ba fa fa Regr. Title. Initials of the noteworthy. Titles. Elizabath 1848 Sons . . so Wi bro Edward 2% me los son son -29 so Wi si da Hu bro que sturt 1 Daughters da 30 da IIn si so(2) Wi bro marriage 20(2) 50(2) Sons . . . so(2) Wi si da(2) Hu bro Daughters 30(2) da(2)da(2) Hu si Signature and Address of the Sender Nottoror Shallon one disd age 16 ) Micheldion Hetion

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FRANCIS GALTON. 42 RUTLAND GATE, (S) LONDON, S.W. V.11.7

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5- fa-

schartte paras How Lady Green Mary z nie Whitbreak. (married Capt. tim ! In George Gery. RN. H. (B) a very clever noman.

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7. fa. bro

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121 - fa too Charles Baring dente first Christ Church oxford Bishop of Gloccester and after of Durham

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	Full names of those whose initials appear in the preceding column.		Title.	Regr.	Initials of the		ship ased. wh	ct kins ly phra	he brieff	Initials of the	No, who sur- vived	Exact kinship briefly phrased.		Exa	Common terms	
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						-	da	me s me d	15 16	Ξ			fa, soi fa da	13 14	brothers sisters	
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FRANCIS GALTON, 42 RUTLAND GATE,  $(\mathbf{S})$ 

LONDON, S.W.

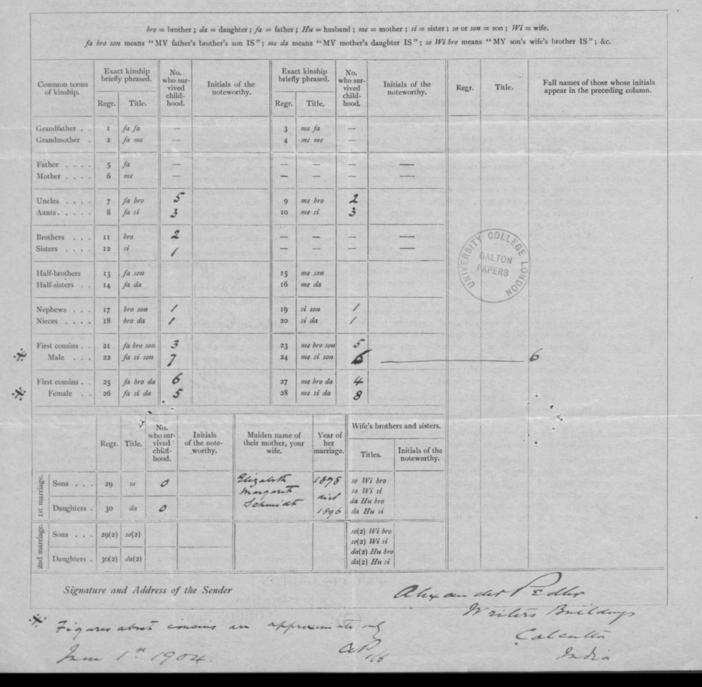
(a) me. fa. Thomas Smith. First in Navy, Iten in mercantile traine, & then small ship owner. Served as a youth under Nelson, having 13 men helled on his boat at the certaining out of the Boulogue flotella. a brave & notworthy man to Judge by laconic artics in his driv frao to saving life at dea & shipmeth & imprisonment. (5) fa. a. William Pearson. LLD. Edistingh gold medalert queens courset. To scholarships at Rugby - Cambridge, auttor of (11) 200 several legal works, on wills of sale, to. On both patienal a maternal sides the family belongs to the Yorkohie year and chaps & can be traced. Back to about 1500. The belonged to the society of Triends & visited (and chied in) York gail on this a count. The present generations are in the bulk successful business mer - bankers, solutar and merchants, but Ishould call none of them "notionthe" although several of them have kaised Themselves for very small to large incomes. my mothers family contains Wherton a trettel blood & has had a strong tendency to wander about the world doing corater things, which are just wanting we genins.

## NOTEWORTHY KINSFOLK OF alexander Gedler, Esq. C.I.E., 4709.

("WHO'S WHO" contains all that is wanted concerning yourself.)

f.ler

\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN.



## ABILITY IN FAMILIES.

By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

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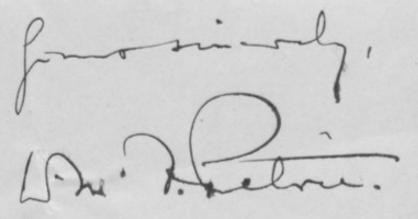
FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W. 8, WELL ROAD,

HAMPSTEAD. M.J. 2 July 1904 hig dear Sur, Lam song not there returned your ochedule sarlier. De gom subject hung sag that it is arrives how all the Petres in the Diel. Vet. Big. an Ath Dame The, treactly what Share of our family. Starting suterprises which they barrely onceed in pusting through at chronic

f.5r

f.5v fend with the Africial dome of their time. The not know the melation ship of three (Except Martin P. m mach) but the wiform type regents one stock. I hat we my have the plana frend you This Beggs some day

in next weeks at on Salibition of the College We have the finest grøtetette know, Sich Sthink you will like.



f.b



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\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISUKELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

Common terms of kinship.		Exact kinship briefly phrased		No. who sur- vived	Initials of		Exac	t kinship y phrased.	No.	Initi	tials of the steworthy.	Regr.	Title.	Full names of those whose initials appear in the preceding column.
		Regr.	Title.	child- hood.	notewortl	iy.	Regr.	Title.	-child	no	tewortny.			ablem in me breezenig comm
	adfather admother .	1 2	fa fa fa mé	11	W.P.		3 4	me fa me me	1 1	~	1.F.	1	fa fa fa	Martin Petrie 1739-1805
	ner her	5 6	fa me	I I	W.P. A.P.		11	=	1 1		=	1	f- f-	William Petrie 1784-1841
	les ts	7 8	fa bro fa si	3 1			9 10	me bro me si	00			3	me fa	Matthew Hinder. 1774-1814
	hers	11 12	bro si	0.0			-	-	-1 1-		Ξ	5	fa	William Petrie 1821 - living 194
	f-brothers .	13 14	fa son fa da	00			15 16	me son me da	00			6	me	Ann Hinders (Petrie) 1812 - 1892
-	hews	17 18	bro son bro da	00			19 20	si son si da	00					101- 1-0
	t cousins Male	21 22	fa bro son fa si son	-			23 24	me bro son me si son	-				A	OLLES
	t cousins Female	25 26	fa bro di fa si da	30			27 28	me bro da me si da	00					LTON S
				No.	Initials	Maid	en name	of Year		Vife's broth	ers and sisters.		1	M
		Regr.	Title.		of the note- worthy,		nother, y wife.			Titles.	Initials of the noteworthy.			
rriage.	Sons	29	50	0					4	Wi bro Wi si				
1st marriage.	Daughters .	. 30	da	0						Hintone Hintoi	ALC: NO		1. Starte	
marriage.	Sons	29(2)		0					4	(2) Wi bro (2) Wi si (2) <del>Wa si</del>				
2nd	Daughters .	30(2)	) da(2)	0				. Fli		(2) #####	Petr	-		

f.7-

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Wom. Alindes Petrie. Martin Petrie, Commission Jeweral. ford Carmins Frita. ? fa fa fa william Petrie, Commissing Jeneral. ?l'fa fa Post Captan R.N. 3 me for Matthew Hinders Discoverer & Surveyor A most of the Austration wash, First observer of magnetic serves a ships time to the function (Phie. These) Circle Repriseer William Petree 5 f~ Fint exhibitor falectric byth on a large scale, 1040, + inventor openious abbanctus for that to chemical industries. writer of some books, r Ann Thinder (Petrie) ?6 me articles popularising mineralogy about 7 2 40. Leaned both Hobrew & freele singlehanded. ? uncertain if within the range noticed for this

William Mattnew Flinders Petrie. (b.1853), D.C.L., Litt.D., LL.D., FRA. Ph.D., F.R.S., Edwards professor of egyptology. University Coll. London, since 1892; principal discoveries: Greek settlements at Naucratis & Daphnae, prehistoric egyptian at Koptos & Naqada, inscription of Israelite war at Thebes; kings of the earliest dynasties at Abydos; has published many works relating to these subjects. (Whole Who) E. [Whos who + Encyc. But.]

fa fa fa Martin Petrie, Commissary-General, good administrator. fa fa William Petrie, Commissary-General. me fa Matthew Flinders, (1774-1813), naval captain; assisted George Bass to survey the coast of New South Wales & Van Diemens Land, 1795-1800; in command of the Investigator & afterwards of the Porpoise & Cumberland made the first survey of a large part of the Australian Coast, 1801-3; (Dict.N.Biog.) fa William Petrie, civil engineer; first exhibitor of electric light on a large scale, 1848; inventor of various apparatus for that & chemical industries.

me Ann Flinders(Petrie), writer of some books & articles pop--ularizing mineralogy, about 1840; learned both Hebrew & Greek single handed.

Cont of



## NOTEWORTHY KINSFOLK OF S. G. U. Pickering, Bog. #RS.

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\*, \* Write at first paintly in pencil; correct leisurely in concert with members of your pamily ; when satisfied, ink in.

Common tern of kinship.	bri	Exact kinship briefly phrased.		No. who sur vived	Initials		Exact kins briefly phra		sed. wi	ived .	Initials of the noteworthy.	Regr.	Title.	Full names of those whose initials appear in the preceding column.
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Father Mother		2001	fa me	I I	3:a.	ſ. J.	11		-	1		4	me me	L' Bligabeth S. Store
Uncles Aunts			fa ðro fa si	62	2.H.P.		9 10	me b me si			W.S.S.) (S.S.)	56	fa	Sercival anotre See
Brothers Sisters	. 11		bro si	1-2	(RNU) Sm. 2 a a.m.D	le Me	11		-		_	7	la bro	Edward Hayes Pick
Half-brothers Half-sisters .	. 14	50 JP	fa son fa da	00			15 16	me so me d				9	un bro	Walter Thomas Wi S. Stare log
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First cousins . Female .			fa bro da fa si da	51			27 28	me bi me si		50		4	g.	anna luoria dedua Wilheluoria Sist
				No. ho sur-	Initials		n name of		Year of	Wife's broth	Vife's brothers and sisters.			(Peiller
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E Daughter	. 30	0	da	0		me			T.A.	da Hu bro da Hu si	the the life			PAPERS PA
Sons .	. 29	(2)	50(2)							so(2) Wi bro so(2) Wi si	- Contractor			the main and
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Spencer Ticklering

1. fa fa. Edward Rowland Tickering Founded a successful fine of tolicitors in loudore, and made a good deal of money. Scientifer tendencies. Otherwise a man of limited views. ( His father & grandfather do not kerne to have been mere of any note).

5 me fa. John Speccer Stanhofe. F.R.S. - Men Shest at 18 geare. anthor of "Plata & Olympia" & other topographical theders in greese: also of a Journeal recently preblished by S.P. a man of marked ability & lasse, highly classical. (His father's brother was a celebrated for Weleigher deweyer. His mother was a very able wounder a mine Reclame, who was heisers to the Colleig wood & Wood law proferties, a affarceably to some of the ability of those families. J.S. W. had 14 brothers and sisters (12 survivering deither of a only one of them effrorched him in ability, scamely, his elder tister Mariane Kulton who was the author of the faces wood "almarks")

4. une. we. Elizabeth Gencer Stanhofte, da. of Coke of Corfolk, E. & Deicester. Decided ability. at 17 she because unitress of Hollibarre. She also had considerable artistic ability. Descended from Colle the famous lawyer.

5. fa Percival andre Picklering. Varioces distanchises at How , cambridge. Fellow of St Jokus. g. C. Judge of frances court. attorney preseral for county Palateine Selecthor of classical errays, and coords on frarlia cuentary lace. United securing a judgeship through accedent and death.

6. me. anna Maria Wilkeluina Rickernig (Spencer Stanhofe) Secided ability & taste: literary & classical in tendlency. The elelest & certainly the ablest of a family of 6. Author of her 'memoirs' seconty fueblished by S.P.

7 fa bro Edward Hayes Lickering. Decided classical ability. Obtained & prizes at How, & also captain of monten. Fellow of S. John's Caul. Died comparatively young. of his 6 children, nous showed marked ability; to alto with his 13 fraudelildren, who were all children of his daughters.

9 me bro. Walter Thoreas William Geneer Mandroppe. 1th class Mathematics Oxford. Scientific tendlewies. M.P. for West Michig for 3 sessions. C. B. a man of constiderable mark in his county: but inferior in general mendal ability to his father & also elder sister. Has had 9 surerively children none of which show ability. 10. me bro John Moddam Spencer Planchope Has made himself a constiderable refuelation as an artist, but is cost otherceise a man of second

11 bro. Mowland Weerle Ungreville Rickering, Medical a man of great ingenenity & constrainedle ability in certain directions From want of good health, & sufficient back bone he is cert likely to make his mark. (not married)

12 si <u>Mary Loelyn de Morgan (Sickering)</u>. Sreat ability as a professional artist (painting) (no children)

12 ti anna maria Diana Willelunia Stirling (Richering) author of varioces novels & flales meder the name of Breival Ackering. (no duildren) Spencer Schereig.

he three and of the cases available ability and also fertility seems to be concentrated in the elder children. (1) John Speecer Stanchofe (the writer's great gracedfather ) had two able children out of 12 who survived; these were his 2 2 3' children (the eldest was infiered at birth & because are ideot). The forever of these had 6 children. Of his other 10 nove- able children 5 married (all fores) and between thelen they had only Jsurvicing children. (2) John Spencer Stanhofe. of his 6 children the most able were her 1thada) ~ in a less degree his 3' (a sou). These between there had 13 surriving children. Of his other four children, two married, " fro duced only one surving child. (3) Edward trowland Sickering. of Surviving childrees the 14 x 3? the (bathe sous) showed most ability: between them they had 10 children : of the other 6, four married, « had between them only & dildren. The

ances	ouly	those colo warr	ier, run	y all the chille
able		uou-able	able	how able.
3	:	1.4	3 :	0.7
6.5	:	0.5	6.5 :	0.25
\$5	:	2	5 :	1.3

I should say that in the case of my our father ability has been about equally divided between his four children, though it shows ifself in different directions in lach case. The absence of appending of the three who are married is probably not due to inferhility on their part.

6.13

Aleucer Lickenieg

bridence of ability in various carly progenitors exists :as to the Richerings : they date from William de Lytheringe au officer of William the congreeror (according to Boonenesday Woold); sundry members of the family held moderately high state afficieteneets, how being meade Waronets by James I.

ny fa me. was heary Vere, descendant of the de Veres, li of Oreford. my fa fa me was the heire to go the theefreerilles. Sir Rober de Unefrecielle was a thing teean of Win the compueror. It was mede lord of Tours & View, & his descendants were alto d'top tredestale, Otherburn, Preedhoe, Augus «c. « wie fambus in various ways. They married wito the Royal branches, & can trace from Egbert (927) & Buncan of Seotland 1040.

my fafe me me was a Weld, a branche of the Welds of Scelevorth castle.

The families of lascelles, Rowther and of folm orgaline intermarried with the Rickaringe.

as to my me.'s family, the Spence Stankoftes, they were a branche from the same stoelle as the Chester fields, Harriegtones & Stemhoftes, and intermarried with the noddams, collenge woods, Sulleines, Cokes, Notherenberlands & other reoted families.



Cricklet a alleleter Matistecs. my fa. fa. E.R. P. had criellet propere scheet, but ouring to his position " the habits of his trives, so feeblic record care be peroted as to kiew. He had a freenily eleven conceptored revaries of his four. His children ware. (1) E.H.P. Cloce elevere 2 gr, Careebridge elever, fere Recare v. players. from coliocec, 2 tous, not cricklers, a second & with out issue; several daughters who have had recuerous istee hove of wheom Alexand Afrecial crickles at hlatit heredenced. (2) P.a. S. us cricklet levelescies. I sorres, weither showing crecket beederced, but me of there (P.S. U.P.) in those football alevere. (3) G.S. P. impered in early life, - incapacitated. (4) J. H. P. Elle Eleven 1 gr. from whom, 2 tours. One of leaves in Store Eleven 2 grs, Juligarie, & Leasak. the ather in Cloce 22. The latter, 1 some x I dr. no cricks & repeate. (5) a. P. J. res crickleter. How & lot. Alouring us cricked on alklehic Lenden ics (b) W.P.P. In Ston elevere 57rd, and of which he was capterin 3 frs (quite receptecedented). Capt. of Canabridge, furtherman " flagere ec. no children. (7) da. us record. (8) dec. Jame and , did play crieket with her brothers & revarried a crickleter & and of a crickleting facenily. Had 3 tous & talk. 1ston played for Hauts a atturnerise attalkhit. He had 6 soces, of alarm any one was moderately a cricklet, the others gained distriction in rackets and football. 2 tou capt. of Woolconich, also Woolconich football rest. S. P. 3' some . County cricket, foolball & generally athlehic. kas. I tou a 3 dr. the four a 2 of the alre show cousidesable athletic tendlessell, the son beening better at football than criellet.

Percival Spencer Umfreville <u>Pickering</u>, (b.1858), F.R.S.; director of the Woburn Experimental Fruit Farm; investigator in chemical physics; editor of Memoirs of Anna Maria Pickering & author of 150 papers on chemical & physical subjects. (Who's Who)

Harpenden Heits

fa fa Edward Rowland Pickering, founded a successful firm of solicitors in London.

<u>me fa</u> John Spencer <u>Stanhope</u>, F.R.S. & Membre de l'Institut at 38 years of age; a man of considerable classical attainments & author of "Plataea & Olympia", & other topographical studies in Greece.

me me Elizabeth Spencer, nee Coke; a woman of considerable # artistic ability.

me me fa Thomas William Goke, of Holkham, created Earl of Leicester (1752-1842), M.P. for Norfolk 1776-1806, & 1807-32; favoured or protection & parliamentary refitm; introduced modern methods inte aquiculture, and the improvement of stock. (Dict. N.Biog.)

a Percival Andre/Pickering, fellow of St. John's Coll, Cambridge; Q.C.; Judge or passage court; attorney-general for County Palatine; author of classical essays & works on parliamentary law.

me Anna Maria Wilhelmina, née <u>Spencer Stanhope</u>, a woman of decided literary & classical ability; author of "Memoirs" recently published. Filwari Hayes <u>Pickering</u>, Captain of Montem, Eton; fellow of St. John's Coll. Cambridge; died young.
 <u>me bro</u> Sir Walter Thomas William <u>Spencer Stanhope</u>, K.C.B; (b.1827), 1rst class Mathematics, Oxford, 1848; M.P.
 W.Riding of Yorkshire, S. division, 1872-80, & 1882-90.
 (Who's Who)
 <u>of</u>
 <u>me bro</u> John Roldam <u>Spencer Stanhope</u>, an artist wite some reputation.
 <u>si</u> Mary Evelyn <u>de Morgan</u>, an artist of great ability.

si Anna Maria Diana Wilhelmina Stirling, author of various novels & tales under the name of Percival Pickering.



1.17

Wytham Amae. COLLEG SALTON LONG may 10 /1904 My dean Jalla, than some my test. " Hope what I dow is what you want. to an angling benet i comes in socieft very remotely. On the other hand / dee no numbers aplaces for We fa, Who, to te all of importance for ans

Children. Have berefore carried ande munters to 31 - 34 for Mase. Two of my hips hollows are MPE, hul lassue lando and consider this ustandy in Jan suse. on anos cases it is due 15 means, I all for back to the formion of the firm whom there insorted.

of it is not holdering zon 9 Hd. like to this if ? have græsted four meaning Infinity. lit himset ngang princerel. . Strela-1. I. If tondo think M.P. withes to a flace King relien my my I & will insert them KN86!

NOTEWORTHY KINSFOLK OF Propertor E. B. Poulton, 400 ("WHO'S WHO" contains all that is wanted concerning yourself.) \*\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN. bro = brother ; da = daughter ; fa = father ; Hu = husband ; me = mother ; si = sister ; so or son = son ; Wi = wife. fa bro son means "MY father's brother's son IS"; me da means "MY mother's daughter IS"; so WI bro means "MY son's wife's brother IS"; &c. No. who sur vived child-hood. Exact kinship briefly phrased Exact kinship briefly phrased. No. who survived child-hood. Initials of the noteworthy. Initials of the noteworthy. Common term of kinship. Full names of those whose initials appear in the preceding column. Regr. Title. Title. Title. Regr. Regr. 6 Georgina Sclina Grandfather . T fa fa 3 me fa Grandmother 2 fa me 4 me me Joulton Father fa 5 Mother . . 6 G.S.P. nie -Edward Palmer Coultin So died 29 E.B J. B 2 3 Uncles . . fa bro me bro 9 Ronald William Poullon 50 Aunts. . . 8 Ja st me si 29 \$4 Suil, Hilda Poulton 8.3 30 da 0 Brothers . . 11 bro \_ onne Sisters . . . 12 si 2 -30 da Margaret Lucy Ponlin Half-brothers. fa son da Jand Mary Palmer 15 13 me son 30 childler Half-sisters . fa da me da 14 16 33 Wi fa Seorge Palmer Nephews . . bro son 19 si son 17 Nieces . . . . 18 bro da 20 si da 1 4.5. Jahuer 3 34 Wilama Mar First cousins fa bro son 21 23 me bro se 9 me bro Sdward Baguall Male . . 22 fa si son 5 24 me si son 2 8 First cousins . fa bro da me bro da 25 27 Female . 28 me si da 26 fa si da 7 31 8 Wife's brothers and sisters. 132 Initials of the note worthy. Maiden name of their mother, your wife. Year of her marriage. Regr. Title. vived child-Initials of the noteworthy. Titles. 33 Wi fa G.P. EPP so Wi bro riage. Sons . . . 2 Smily 20 50 RWP Palmer 1881 so Wi si 34 Wifa me M.P. EHP da Hu bro Daughters 30 đa 3 1×1 da Hu si marriage. so(2) Wi bro 29(2) 50(2) Sons . . so(2) Wi si da(2) Hu bro Daughters 30(2) da(2) da(2) Hu si Signature and Address of the S Wykebau House lo Edwar

#### ABILITY IN FAMILIES.

By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

adding of the is be arrest also

The object of the inquiry is to ascertain the frequency with which Ability, as indicated by High Success, is distributed among the members of a family; how far it is sporadic and how far it seems to be hereditary or else traditional. The replies will add to our knowledge of some of the main causes of evolution: one of these is the coefficient of mental heredity, another the inclination or otherwise of persons to mate with their like or unlike, another the fertility of the mentally exceptional in various degrees, including their tendency to be celibate, or to marry early or late.

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Noteworthiness.—" Noteworthy " successes are those in any vocation whatever, that in the opinion of the compiler are of a rank not inferior to that which the Fellowship of the Royal Society holds among men of science. The weight ultimately to be assigned to each recorded success must be entrusted to those who will statistically discuss the replies. Minor achievements of persons who are still too young to have achieved any "noteworthy" success deserve record.

As women can rarely display their full abilities, it is necessary to take into account the hereditary significance of the successes of the brothers (and sisters) of all female ancestors. Inquiry is therefore made as to "noteworthiness" in these. To secure equality in statistical treatment, the same course is adopted in respect to the male ancestors also.

For want of space, the forms for the four kinds of great uncle are omitted, namely, *fa fa bro, fa me bro, me fa bro, me me bro.* Similarly as to the great aunts. If any of these should be noteworthy their names may be entered in the third column, preceded by their proper titles. So may grandchildren. Eminent kinsfolk in still more distant degrees can be added in the like way, if thought desirable by the compiler. The noteworthy names should be written successively in the third column in any convenient order. There will be ample space to hold them all.

The number of kinsfolk in each degree who survived childhood is wanted as a clue to the intensity with which ability (as indicated by success) characterises each family.

A separate paragraph on fresh paper should contain the noteworthy facts relating to each person whose name appears in the last column of the schedule. These paragraphs should be written consecutively, and the heading of each should consist of the Register number, the Title, and the full Name of the person to whom it refers, transcribed word for word from the last column of the schedule. Each paragraph should be as brief as may suffice to give a just idea both of the quality and of the grade of ability in the person referred to. Thus the mention of a high success in one branch will render those of minor ones in the same branch unnecessary, on the principle that the greater includes the less. But if the record of any minor achievements testifies to success in different pursuits and therefore to the possession of general ability, they should be included. Also such as may testify to precocity, to slow development, or else to persistence of effort.

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Please address the completed results thus, not omitting a large and very legible S in brackets, in the bottom left-hand corner :

FRANCIS GALTON. 42 Rutland Gate, (S) LONDON, S.W.

6. me. Seorgina Selina Vonlon. allowing for the statement . that " warin can rarely diflag Their full dilities " & for Afortanting I have no hesitation in writing this name. In 1855 the published " A new History of Ingland civil, political & ecclesisstical " (Loudon, Frieman) News and necessful bet the publisher became bank--ruft soon after publication & it had up chence. It affects to me to then the same community anglish which was very wichent in Fer conversation of the amount of seading about work required to Jos duce the 768 tage of this longe Actus work must have hen very good - altho. This is not in itelf " justification for inserting the name the proform ago is midence of quality i lived in a man work take fromthe easily altained the standard here pet of . She also wate a word which was to a less mecassful effort, maning thelieve from work of a millimity brows aferince of lip. (For Det 1, 1883)) 29. So. Edward Valuer Voulton & Skected to a Brakenbury Scholarship in Natural Science of Balliol mit Christman 1901 Bobli There is and one of these Scholanships in Junce in and your a it is the best this to be got in Sime on entrance to the University of those

29. So. Ronald William Prolon S. H. 12, 1889) (2. 8 cups at the recent, athletic sports of Kugles, winning 3 events under 142 (all (vists) and 5 events under 16 (3 first 2 Seconds) - There are 550 tops in the school. bescribed to me & to tot the head making his Preparatory School ( Lynam's Oxford) so the hast all-now athlete la had ever has be in the school. 30. da. Emily Hilda Poulton . (Born Nov. 25, 1884) Second, at bycombe after School, High bycombe, 200 firs or nather over y at the ta Regoinged firl in the 62 form 30. da Margaret Ley Vonlon (Born Jul 21, 1887) great pours of Aconvation and originality. Here are the suchilies which had to meccaso hat at here age cannot so so. 30. da Janet. Mary Valuer Soulton (Born Sept 13, 1892) always meanful in competition fort physical o mental . The same quality chief weaks for note with means. In may respect a contin-- that between the mental characteristics of the too elder sisters 33. Wi far. George Valuer. The leading shirit in the forwation the hising Hum They H Palmer. 34. No far me. Many Palmer. Left. nit a wider with fer youngest child 4 years old, she managed the forman balangest up her 3 sour & 1 daughter so That for children always attributed to ter their Jaccass in life This seems tote the quality find in man would this to noteworks muss.

9. me bro - Edward Bagnell. 3 a clergyman . Wrote " Saul and David « Saires Bramatic O'rem " London Hatchand udon 1536). He died HAT young of philisis - 150 young to he was he came noteworthy. 9. me tro \_ John Baquell. Vassed all the examinations for his medical Inspession with advicery hilliancy - so the femily tradition & runs - : Hen died of philisis. NOTE It is right to qualify the conclusions which might to oraun from the amissions a commissions in the above statement. Such succes as I have attained Thehin Some reng largel to interstance from ancestory who were not. ushworthy in the sense fore accepted : from the health a longevils of my father's family i from qualities which afferra in tis asker Cornelini who was a most strilful prefarer of the of for the microsede, and streall in the love of work i power of work which were not conopicions i my father up to the very and of his life. Wy Keham House Edward B. Joula may 10 - 1804

# NOTEWORTHY KINSFOLK OF D! w. H. Cower, cp., trs.

("WHO'S WHO" contains all that is wanted concerning yourself.)

\*\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

Common terms of kinship.	Exact kinship briefly phrased.		No who s vive child	d Initials	Initials of the noteworthy.		ct kin ly phr		No. who sur- vived child-		ials of the teworthy.	Regr.	Title.	Full names of those whose initials appear in the preceding column.	
	Regr.	Title.	hoo	1. Contraction of the second		Regr.	T	itle.	hood.		mark aller		Par at se	ters and mostly and	
Grandfather Grandmother .	1 2	fa fa fa me	-	9.P.		3 4	me • me	1100000	-	W. 5	5.	1	fa fa me fa	John Power- William Staft Smart	
Father Mother	5	fa me		On	•	I I	1	-				5	fa	William Henry Power	
Uncles	7 8	fa bro fa si	1 2	9.AT	P.	9 10	me me	1000 1000	1 5	mi	1.5.	7	fa bro ma si	John Arthur Power many Dongle, Smart	
Brothers Sisters	11 12	bro si	-					-			_	18	bro da	many Dory as Power Charles being Goming Godies	
Half-brothers Half-sisters	13 14	fa son fa da	No	(	NAME IN	15 mid 16 mid		son da	Nil		al contrati	24 30	misism da	(a) mildred Olive Power (b) Continue many Power	
Nephews Nicces	17 18	bro son bro da	Na	m. J. J	P.	19 20	si s si a	20.05.054	1 5					,	
First cousins Male	21 22	fa bro so fa si so		Contraction of the second			100000-	me bro son me si son	Nil 3	c. H. y. G.				AN COLLED	
First cousins Female	25 fa bro da 5 26 fa si da Nil					bro da si da	1 3					ALTON PAPERS			
		lenter .	No.	Initials	Maide	en name of		Year of	Wife's brothers and sisters.				N		
	Regr.		vived child- hood.	of the note- worthy.	their m	other, ye wife.	our	her marriage		les.	Initials of the noteworthy.				
Sons	29	50	Na		So	Lotte J.		1876	so W so W	i si	Concelling of the				
Daughters .	30	da	2	m.o.P. C.m.P.	(my for	(my fait tominite		( did	da Hu da H						
Sons	29(2)	30(2)						1882)	50(2)						
Daughters .	30(2)	da(2)	24							Hu bro Hu si			human		
Signati	ire as	ud Add	lress of	the Sender		101	h	P	12.20		hook				

20. Nov. 1904.

## ABILITY IN FAMILIES.

By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

The object of the inquiry is to ascertain the frequency with which Ability, as indicated by High Success, is distributed among the members of a family; how far it is sporadic and how far it seems to be hereditary or else traditional. The replies will add to our knowledge of some of the main causes of evolution: one of these is the coefficient of mental heredity, another the inclination or otherwise of persons to mate with their like or unlike, another the fertility of the mentally exceptional in various degrees, including their tendency to be celibate, or to marry early or late.

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20. Niv. 1909.

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FRANCIS GALTON, 42 RUTLAND GATE, LONDON, S.W.

#### Sir Francis Galton,

I return, filled in as is I think desired, your Schedule for record of data respecting "Ability in Families" that was issued to Fellows of the Royal Society last summer. My commpte for delay in so doing is partly lack of time for objects outside my all day and every day work, - mainly it is the need that I had for consulting other members of my family and for referring to family documents.

The chronicles of the Power Family in that they are probably parallel with those of a multitude of families of the middle class, must needs supply history to which you have become accustomed.

Tradition has it that the Powers were aforetime persons of consideration on the borders of Warwickshire and Leicestershire, and that the down grade of the family as regards prosperity was entered on in their sustained adherence to the Stuart Cause: that thus (more especially perhaps through the ministrations of the Parliamentarians) they lost in one and another way houses and lands, as also deedsand family records. Their improverished descendants, however, have kept something like a complete account of marriages, births, and deaths in the direct line for near upon two centuries, and during half that time like facts for collateral branches also; this latter period corresponding to that during which the Powers have had most of them to earn their own living. They have apparently proved under these conditions a level-headed race. Almost without exception the males of the family have entered the Professions, and, also almost without exception, they have done respectably. Always, there appears to have existed in the family (and does now) a maxim deterrent

f.25

of that eager striving for personal advancement and notoriety which is in these days denominated "push". It has been deemed among us that to do well (while at the same time obtaining one's "living") that work which falls in ordinary course to the individual to do should suffice for personal contentment. Thus, not many Powers have attained **putte** notoriety of the better sort; while as regards such of them as became in this sense conspicuous, it has been held by their relatives generally that they have owed their prominence less perhaps to ability beyond the common level-headedness of the family than to the force of extraneous circumstance.

15HPorer

20. November 1904

1. fa fa: John Power M.D. (Edin.) Sometime in practice at startet Borrooth, afknowdsa physician in bandon de was regarded, othis the family, as a man of great mental ability and intellectual attainment, as equal if not superior to his younged brothere: - Namely Joseph Power, 10 Margler, Fellow of Blare, and University Librarian; and Lindefred Power- A.B. B. 2 the blassic (1826), Lellow of Dorning, and, laker, Nice-President of the Local Government Brand Ireland. John Power was not successful in physician's practice in London; his second son, my father, he could not send to bambridge; perhaps for the reason that he gave much a tention to makes scientific - to embryology for notinee in

1.27 1

COLLEGE LONG

t Another brodher (Killiam of Freasley Hall) of John, Joseph, and Alfted, ahought not himself dishof orthy 2ms go tours:-Hator, afterwards chaster, of Remotoke ometime fice- B thanceter of the Unidensity. Jom Power 11th Wranger: fellow and Subor Emmanuel. Afferwards these history

Sutor Emmanuel. Afferworde Head clusters Rachedral School Steleford; Vicare upton Bistop Rose; Acterdany of Severa

regard of which, I have been groen to understand, he was much in adam advance of his time. But he never published, Ithink. 3 meta William Smart of Rainham Rent A lark over and agrouburalist, Keld of the bounty in higherstination in tool capusities. This father died oken N.S. was about endering aford and accordingly M.S. had to devote himself instead to land management and agriculture. Mesertheles, lens reputed in the family on totheides to be a well read maninu wide range I subjects, and to be mentally of high ability. I mipely believe this. 5. fa William denoy Porsed M.D: - Unable, nonig to lack of funds, to go to bambridge like his elder brokker (neset below), he endered the medical profession by apprenticeship to an uncle, and sut

F.28 2



1.29 3

sequently engaged in medical practice in Tondon. This he relinquished as time went on for proste medical tutoring in regard of high class examinations, as for instance competitions for admining to the Navaland Alutary Medical Services. Ungrestionetly he had encep tional sapacity in martering nuters medical and surgical in their scientific and other coopeats, and of imparting grosp of them to other minds. Intellectually he was, in my opinion, considerably above the average and in no very referior to his trother John Arthur.



7. ±a tro : John strehus Bober 2 Mayer (1802), and Tellow of Blare. Subsequently studied medicine al Addentrothe Asepital and entered the chedical Bofeerion. The chief interest of his life, however, was Entomology, Thick he as a boy commenced torstudy with his Grandfeeler D'John Boerof

f.30 4 Lichfield. As a result he becomes high anotherity on this subject, especially as regards the boleoptera. 10. mesi. elery Douglas Smart. Noteworky in that, despite the uptringing of girls and young some with first quarter of last rentury, she developed the brain of a man of more then average intelligence. This was recogmed by the males of two generations in the family; no occasion arosefor manifestation of her exceptional ability in any public to any. She died a spinoter in her got year. 18 Bro da: Mary Donglas Power checker of carts, London University. 24 me se son: Charles Herry young god wine a. M. C. Obtained first place in competitive examination for admission to the Army Medical Service. Profeesor of Surgery at eterley.

ALISBALTON ONLOW

1.31

30 da : (a) Milared Olive Power Mass graduate University of London. Late Assistant Backeriologist to the Royal Commission on Secondo Disposal. Now Factory Inspector, Home Upice (b) Constance Many Power. Artist of promise, especially in ministers painting. Has had over Rog Rers accepted though not hing by the Royal Academy. BARONC 20. NW. 1904

# NOTEWORTHY KINSFOLK OF Gigerroz g. H. Poynting , 489.

("WHO'S WHO" contains all that is wanted concerning yourself.)

f.32-

\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN.

	nmon terms	Exact kinship briefly phrased.		d. wh	No. o sur-	Initials of the noteworthy.		Exact kin briefly phr		rased. w		tials of the	Regr.	Title.	Full names of those whose initials appear in the preceding column.		
ol	f kinship.	Regr.	Title	cl	nild- ood.	notewo	orthy.	Regr.	Ti	A COLOR	child- hood.	oteworthy.	Trep.		appear	in the prece	ding column.
	ndfather ndmother .	I 2	fa fa fa me		-			3 4	me me	2.2.1.1.1		anti Carre	5	fa	Thomas	. Elfor	& Poynting
	her	5 6	fa me		5	J.E.	P		100	-	-	_	17	bio con	John	blfno	l Poyrilm
	les	7 8	fa bro fa si		12			9 10	me me		2	and war ward					
Brot	thers ers	11 12	bro si		32				100	-	-	=					
	f-brothers f-sisters	13 14	fa son fa da		1		2011-1 (TN)	15 16	me me	18.84% T				Lange Mil			
Nep	hews	17 18	bro soi bro da		12	JEP		19 20	si s si a		00		ERSIT	GALTON			
	t cousins Male	21 22	fa bro fa si s	son son	2.2			23 24	100000	bro son si son	22		Inter	PAPERS	1		
	t cousins Female	25 26	fa bro fa si i		2.0			27 28		bro da si da	40						
				No. who su	T	Initials	Maid	en name (	af.	Vear of	Wife's broth	ers and sisters.					
		Regr.	Title.	vived child- hood.		the note- worthy.	their m	wife.		her marriage.	Titles.	Initials of the noteworthy.					
marriage.	Sons	29	50	1			mar	Cropper		1880	so Wi bro so Wi si						
Ist ma	Daughters .	30	da	2			Cro	opper		1.1	da Hu bro da Hu si						
and marriage.	Sons Daughters .	29(2) 30(2)									so(2) Wi bro so(2) Wi si da(2) Hu bro da(2) Hu si	1.					

### ABILITY IN FAMILIES.

By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

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A separate paragraph on fresh paper should contain the noteworthy facts relating to each person whose name appears in the last column of the schedule. These paragraphs should be written consecutively, and the heading of each should consist of the Register number, the Title, and the full Name of the person to whom it refers, transcribed word for word from the last column of the schedule. Each paragraph should be as brief as may suffice to give a just idea both of the quality and of the grade of ability in the person referred to. Thus the mention of a high success in one branch will render those of minor ones in the same branch unnecessary, on the principle that the greater includes the less. But if the record of any minor achievements testifies to success in different pursuits and therefore to the possession of general ability, they should be included. Also such as may testify to precocity, to slow development, or else to persistence of effort.

The following imperfect list of successes may possibly be useful in suggesting what might otherwise have been overlooked.

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Please address the completed results thus, not omitting a large and very legible S in brackets, in the bottom left-hand corner :

FRANCIS GALTON. 42 Rutland Gâte, (S) LONDON, S.W. f. 32V

EDGEASTON,

5 fa Thomas olford Poynting

Began as a working mason. Educated himself the came a schoolmaster in an elementary school Intered manchester her Collye at hearchester to be tramed for the Unitarian humistry, overcomy great difficulties in carrying in his collyr course. Became a very well known minister very under known aung Unitarians.



f.33

EDGEASTON, EDGEASTON,

17 bis son John Olford Populing Echibition of Ballet Colly Oxford Successful in the competition for the Indean and Lence how aged 30 a judge a the J.C.S.



f. 34

# NOTEWORTHY KINSFOLK OF In William Precie KIB FRS 4

34

("WHO'S WHO" contains all that is wanted concerning yourself.)

F35r

\*\*\* Write at first faintly in pencil; correct leisurely in concert with members of your family : when satisfied, ink in.

	n terms	Exact kinship briefly phrased.		d. wh	No. to sur-	Initials		Exa brief	ct kinship ly phrased.	wh		itials of the	Regr.	Title.	Full names of those whose initials
of kir	iship.	Regr.	Title.	c	hild- ood.	notewo	orthy.	Regr,	Title,	c	hild- ood.	oteworthy.			appear in the preceding column.
Grandfa Grandm		1 2	fa fa fa me		12			3 4	те fa •те те		+ + +			CMG	John Richard Press
	• • • •	5 6	fa me		2 2			11	-		-	I	11	bro	Consulferent in
Uncles Aunts .		7 8	fa bro fa si		2			9 10	me bro me si						Persia. Belongs to Foreign office
	• • • •	11 12	bro . si		2 5-	J.R	P.	11			-				v "huko's luko "
Half-bro Half-sist	others . ters	13 14	fa son fa da					15 16	me son me da	28.50					
Nephew Nieces	· · · · ·	17 18	bro son bro da		2			19 20	si son si da	12.25	46				
First co Male	usins •	21 22	fa bro : fa si s					23 24	me bro son me si son	1.00					AN COLLED
First co Fem		25 26	fa bro fa si a	200				27 28	me bro da me si da						BALTON SA
				No. who su		Initials		en name (			Wife's broth	ers and sisters.			
		Regr.	Title.	vived child- hood.		the note- worthy.		wife.	our her marris		Titles.	Initials of the noteworthy.			
Son	ns	29	30	4					1		Wi bro Wi si				
Dav	ughters .	30	da	3	3						de Hartin				a contrato de la contrato de Contrato de la contrato de
Sot	ns	29(2)	so(2)								so(2) Wi bro so(2) Wi si so(2) Harbo				
	ughters .	30(2)	da(2)		100				262 1000		(2) ####				

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FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W. 1.35V

# NOTEWORTHY KINSFOLK OF Gragemon y. Gundie, 1903.

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"," WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

	non terms	Exact kinship briefly phrased.		d. w	No. ho sur- vived	Initials		Exa	ct kinshi ly phrase	d. wh	No. o sur- ived	Initials of the	Regr.	Title.	Full names of those whose initials	
of k	cinship.	Regr.	Title.	200	child- hood.	notewo	rthy.	Regr.	Title	cl	hild- ood.	noteworthy.			appear in the preceding column.	
	father mother .	I 2	fa fa fa me		1 1			3 4	me fa •me me	56 B C	-			al contra		
	r .r	5 6	fa me	2 2 2	1-1				11	10 10 10 10 10 10 10 10 10 10 10 10 10 1	-	=		and services		
	s	7 8	fa bro fa si		53	У. Р.		9 10	me bre me si	,	-		7	ta bro	Thomas Purdie	
	ers s	11 12	bro si		- 0							=				
	orothers asters	13 14	fa son fa da		-2			15 16	me son me da		-	9.B	15-	me son	John Buchanan	
	cws	17 18	bro son bro da		11			19 20	si son si da		10.200					
	cousins alc	21 22	fa bro s fa si si		4 +	4		23 24	me bro me si	100	-					
	cousins male	25 26	fa bro fa si d	5 C				27 28	me bro me si	100	1-			GALTON PAPERS	AF L	
				No whos		Initials	Maide	en name	of V	ear of	Wife's br	others and sister		PAPERS		
		Regr.	Title.	vive chile hoor	d of d-	the note- worthy.	their n	wife.	our	her urriage.	Titles.	Initials of the noteworthy				
marriage.	Sons	29	30	-		-	1 02 /20-				so Wi bo so Wi si					
Ist ma	Daughters .	30	da	1		-	Insilar.		1 Seal		da Hubri da Hus		to line			
and marriage.	sons	29(2)	so(2)	t		-		-	-		so(2) Wi so(2) Wi	si				
m puz	Daughters .	30(2)	da(2)			0			2		da(2) Hu da(2) Hu	CONTRACTOR OF THE OWNER OWNE	a kan	Section of the	and the second second	

f.36r

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FRANCIS GALTON. 42 RUTLAND GATE, (S) LONDON, S.W. (36V

F.37 7. Ja. bro. Thomas Purdie Established managed a large house decorating businers h. Edmburgh ! London . Published a volume entitled Form & Sound (adam + Chas. Black 1849) 15. me. son. John Buchanan Trained as artist. As a youth made literary rartistic Contributions to various founds II beleeve to Punch, but all trace of there is last. Artistic ability in heretid by a daughter who exhibits h the Hoyal academy, & apparently also by a grand child. Became contrally manage of one of the largest copper Emelting Establishments & Chile. GALTON PAPERS

# NOTEWORTHY KINSFOLK OF D. P. H. Cyc-Smith, 401.

("WHO'S WHO" contains all that is wanted concerning yourself.)

4.38r

\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

Common terms of kinship.	Exac	et kinshi y phrase	d. who so vive	I Initials of		Exac	et kinship y phrased	d. wł	lived	tials of the steworthy.	Regr.	Title.	Full names of those whose initials appear in the preceding column.		
	Regr.	Title	. child hood	The second se		Regr.	Title.		hild- hood.				the grouping of the		
Grandfather	1 2	fa fa fa me		fitter J.		3 4	me fa -me me		36				JAS. learner + similifier 9. R.S.		
Father Mother	5 6	fa — me —	- Gen	profiend complicted	pontin	STI L		1.1.1	-	-					
Uncles Aunts	7 8	fa bro fa si				9 10	me bro me si		uempli	10			or Plementin		
Brothers	11 12		4 at	y. RYPS.		- 17	-		-	-		bre bes	arthur P.S. conspiring Philantterkin R. 9 P.S. for propraint		
Half-brothers	13	fil son fa da			Mula C. A	15	me da								
Nephews Nieces	17 18	bro son bro da	100 Barris 100 Barris	ver		19 20	si son si da	d	lever						
First cousins Male	21 22	fa bro fa si s		e remarkable	-	23 24	me bro me si s		-gord .	sedins.					
First cousins Female	25 26	fa bro fa si o		1 remarked	ch.	27 28	me bro me si a	100				ERO	TY COLLED		
			No.	Initials	W.U.				Wife's broth	ers and sisters.	- marine	AIND	PAPERS E)		
	Regr.	Title.	who sur- vived child- hood.	of the note- worthy.	their mo	ther, your ther, your ther, your ther, your ther, you have the second se	mar	ear of her rriage.	Titles.	Initials of the noteworthy.		1	Noch		
Sons Daughters .	29 30	sð da	1	-		/			so Wi bro so Wi si da Hu bro	. /.					
A Transfer State	29(2)	-							da Hu si so(2) Wi bro	Chainth and	1323				
Daughters	30(2)	da(2)		~		~	-	1	da(2) Hu bra da(2) Hu bra da(2) Hu si	-			1 and a state of the second		

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\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN.

Common terms	Exact kinship briefly phrased.			sur-	Initials		Exa	ct kinship y phrased	l. wh		itials of the	Regr.	Title.	Full names of those whose initials appear in the preceding column.
of kinship.	Regr.	Title.	chil	d-	noteworthy.		Regr.	Title.	c	hild- ood.	oteworthy.	tond -	0.35 2 4	appear in the precessing commu-
Grandfather Grandmother .	I 2	fa fa fa me		-			3 4	me fa me me		-	-	1	ta	Edmund Frances Rambart-
ather	5	fa me			٤.3	R					_	2	D.F.R.	Daniel Frederick Rombart-
Jucles	7 8	fa bro fa si	6				9 10	me bro me si		1 2	entran Ina M	3	and the second	Arthur Elmunt Rambaul-
Brothers	11 12	bro si	2 3		Д.7	R						4	G.M.R	Gerrard Marloude Rambart
falf-brothers falf-sisters	13 14	fa son fa da		0 1	1		15 16	me son me da			ALL . LINE	5	J.H.L. ? Wi ho	John Henry ford
Vephews Vieces	17 18	bro son bro da		-0 0		Jan K	19 20	si sou si da		<u>/</u> ,		6	J.W. 7 gaus	John Wilkins
first cousins Male	21 22	fa bro s fa si si		4-04			23 24	me bro . me si s	1209 200	4			145	
First cousins Female	25 26	fa bro fa si d	1	-0			27 28	me bro me si d	122	2			and	
	Regr.	Title.	No. who sur- vived child- hood.	of th	nitials ne note- orthy.	their m	en name other, ye wife,	our 1	ar of her riage.	Wife's broth Titles,	ners and sisters.	WERSIN	GALTON RAPERS	100
Sons	29	30 da	3	A	E.R M.R	Emily	Long	4rid 18	883	so Wi bro so Wi si da Hu bro				
Sons Daughters .	29(2)	so(2)								da Hu si so(2) Wi bri so(2) Wi si da(2) Hu br da(2) Hu si	0		S.C.Y.	

flr

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F.2. Particulars. 1. E.F.R. - Elmund Frances Rambart to Clerk in Hof Orders. Ineunbert of Largoport Church, Blackrock, Dublin. Stight Thought of in Smit Chard. 2. D.F.R. - Daniel Frederick Rambart ~ (aqc. 39) Brain Specialist - Inpurintendent of the Lalop 9 Montgomery District asylum. 3. A.E.R. - Arthur Ernund Rambart - (age 19) Son Mathematical Scholer ( Open) at Poresense ( alle ayford. 4. 5 G. M. R. - Gerrard Marlande Rambant ( Oge 16) King's Scholar (1901) Westminster School. 5. S. N. L. - Shu Henry Louford (Bon 1855) Abtained a Miniversit Scholarship in Matternetis at 1879 Ini. Coll. Dub. , but his health broke down that oftrand 9. 600 the Sid 1 phthim. (1888) We have been a very ordinary family for several generation without great wear - The only by have to which we can point is that of D- John William , perhand might mention him. 6. L. W. - John Wilkins - Warden of Warham College 180/10 & Briting of Cherter . First Secretary of the Royal Societ. Marries Robina Cromwell, the Protector' Sister. He was fa-fa-me-fa-me-fa-fa. a.c.R.

		•.• 1	NRITE A	AT FIRST FA	INTLY IN PE	NCIL; COR	RECT LEI	SURELY IN	CONCER	RT WITH	MEMBERS OF	YOUR FAN	AILY: WHEN S	SATISFIED, INK IN.
	fa	bro soi									er ; <i>si</i> = sister er IS"; <i>so Wi</i>			s wife. wife's brother IS" ; &c.
Con	mmon terms f kinship.		et kinshi ly phrase Title	ed. who sur vived child-			Exact briefly Regr.	t kinship y phrased. Title.	No. who sur- vived child- hood.	Inn	ials of the teworthy.	Regr.	Title.	Full names of those whose initials appear in the preceding column.
	ndfather	1 2	fa fa fa me		W.		3 4	me fa me me						William Ramsay
	her	5 6	fa me	-	R		11	Ξ	-		=			
	cles nts	7 8	fa bro fa si	2	A.C.		9 10	me bro me si	3	R	•			Andrew Crombie Ramsay Robert Robertson
	thers ers	11 12	bro si	0	- trans			1 15		Den mai				
	f-brothers	13 14	fa son fa da	0	Top rad.	140.00	15 16	me son me da	0					
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	st cousins Female	25 26	fa bro fa si a				27 28	me bro da me si da	0				and the state	Archibald Robertson, F.R.
				No. who sur-	Initials	3.0 Maider	fa fa	of Year	Sea S	e's broth	ers and sisters.			Archibald Robertson, A.D.
		Regr.	. Title.	vived o child- hood.	of the note- worthy.		other, you wife.	ur her marriag		litles.	Initials of the noteworthy.			The company of the company
t marriage.	Sons	-	so da	1		Buch	anan	1881	so I da H	Wi bro Wi si Hu bro				Al all and a second a se
rriage. 1st	Sons	1 100	so(2)	-				-	1 50(2)	Hu si ) Wi bro ) Wi si	<u></u>			and a data was designed and the
and marriage	Daughters .	30(2)	da(2)						da(2	a) Hu bro a) Hu si				

6.31

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TELEPHONE NO. 3979 CENTRAL. GOWER STREET, W.C.

1. fafa. William Ramsay Manufacturing Cheminst. First made acetic acid from wood. Discovered bichrowe. President of the first Chemical Societ: flusque 1796; subsequently (1802) merged in the Slasgar Philosophical Lociety.

? Error of a generalite , he would see he was 34 when Pres , he would hear bee 40 is 1800 & 144 is 1904



TELEPHONE NO. 3979 CENTRAL.

#### GOWER STREET, W.C.

7. Fa bro. Andrew Crombie Ramsay. F. R. S. Head of Seological Survey of peat Britain. Luceedes Inmchison Sistinguished as geologist.



9. me bro. Robert Rober Soon. Sditor

of London Paper rdaily - about 1835.

TELEPHONE NO. 3979 CENTRAL. GOWER STREET, W.C.

GAL PAPE

TELEPHONE NO. 3979 CENTRAL. GOWER STREET, W.C.

addendum. 29. me fa fa bro Son. Archibald Roberton, F.R. S. hedical han; practices at Northampton

adduid me 30. me fa fa dro con Son Son. V Archibald Robertson, Bishop of Sxcher. Theologian . Late Vicechancilla of London huiving.



£.7

Sir William Ramsay, (b. 1852), K.C.B., LL.D., D.Sc., Ph.D., F.R.S., F.C.S.prof of chemistry, University Coll., London, since 1887; sometime prof of chemistry & principal of University Coll., Bristol; has published numerous important scientific papers. (Who's Who)

<u>fa fa</u> William <u>Ramsay</u>, manufacturing chemist; first made acetic acid from wood; discovered bichrome; president of m/the first chemical society, Glasgow, 1796, which was merged in the Glasgow Philosophical Society, 1802.

ta pro Sir Andrew Grombie Ramshy, (1814-1891), F.R.S., prof. of geology. University Coll, London, 1847; director--general of the geological survey, 1871. (Dict.N.Biog.) mo pro Robert Robertson, editor of London paper (daily) about 1835.



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ot kinsnip.	Re	gr.	Title	chi ho		notewe	runy.	Regr.	Title.		shild- hood.	no	teworthy.				
Grandfather . Grandmother			fa fa fa me		-	9. 6.	2	- 3 - 4	me fa -me me							John atkinson Rausmie	
Father Mother		5	fa me		-	J. a.	$\mathcal{R}$ .				-		_		7.R.C.S	Joseph attenism Ranson	
Uncles Aunts		7	fa bro fa si		,			9 10	me bro me si			M	.F	001		Lary In any Foy. Articl.	
Brothers			bro si	14				LIF			14		(	GALTI PAPEI			
Half-brothers Half-sisters			fa son fa da					15 16	me son me da					The second	HOO		
Nephews Nieces		5 I.	bro son bro da					19 <i>si son</i> 20 <i>si da</i>			4,	J.a	.R.M.		м.а.	John arthing Ramoran Marrist. Cor to ayford. U. But " Sclegacy	
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First cousins . Female .		- D	fa bro fa si d					27 28		me bro da me si da 10 11/2							
				No. who sur-	1	nitials	Maide	n name o	of V	ear of	Wife's brothers		rs and sisters.				
	R	egr.	Title.	vived child- hood.	of the	he note- orthy.	their m	other, ye	nur	Year of her marriage,		tles.	Initials of the noteworthy.				
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FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W. f.90

# NOTEWORTHY KINSFOLK OF The Re. How. The Lord Rayleigh, on TRS.

÷.

("WHO'S WHO" contains all that is wanted concerning yourself.)

\*\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

f.10r

Frandfather		Title.	child	d- notew	of the orthy.	of the rthy.		who s vive child hood	d n	itials of the oteworthy.	Regr.	Title.	Full names of those whose initials appear in the preceding column.
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Father		fa					-	-	1		24	and the second sec	Ronald Burrows
Mother	6	me fa bro	D	4.4		- 9	me bro	2			29	to.	Robert John Stull majon Gen, Edward Vicans
Aunts		fa si	2			10	me si	2				me pa vie	mayory que, recorde rolans
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	13 14	fa son fa da				15 16	me son me da						
Nephews	17 18	bro son bro da	5			19	ri son si da	1				Wi bro	arthur James Balfon
	21	fa bro sos	-			23	me bro so	3				A1	Francis heilland " Sculace James "
Male	22	fa si son	" 0"			24	me si soi	4	R.	B		the second s	Eleanon Milloud Silgeville
	25 26	fa bro di fa si da	1			27. 28	me bro de me si da					1 Andrews	
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Signatur	re an	d Add	ress of	f the Sender	. ,	Re	A			ting			

The object of the inquiry is to ascertain the frequency with which Ability, as indicated by High Success, is distributed among the members of a family; how far it is sporadic and how far it seems to be hereditary or else traditional. The replies will add to our knowledge of some of the main causes of evolution : one of these is the coefficient of mental heredity, another the inclination or otherwise of persons to mate with their like or unlike, another the fertility of the mentally exceptional in various degrees, including their tendency to be celibate, or to marry early or late.

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FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W. f. 100

holeborthy Kinfolle of Lord Rayley Lo. M. F.R.S. 11 How Edward Gerald Strult -Has established + manager a large land agency & Surveying buiners - , maker farming pay in Elley on a big sule Lineld Burrows - Proferron of greek in the Univority of Cardiff 24 How hobort This Stull. Ocience tellow of Minity H. famb. 29 Has done original work on Radeim v c me for bro. Major Gen. Seleccord Vicars B.S. Distinguised himself under Soul John Hay or h. coart of Spain. Steccined trenet majority Spanish orders for Jakan Try in action before San Sebartion 1836. Selected for your duty with the fleet in 1854. Takewill vo The way out a retired on full pay W. How Co Balfour - Prime minister Wibro. Francis maitland Balfour Late Rof. of morphology and A.H.M. Gould William Balfourth P. President of the Board of Tracle . .. Eutare James Bulfour fol of Sondon Sectich Gunteers. Circlifed of Suffold Suffold A. 11 n (\* no Eleanon mildred Sidewich Breident of heursham filly fande Wisi PAPERS

John William Strutt, 3rd Baron Rayleigh, (b.1842), D.C.L. (hon. Oxon), LL.D., F.R.S., Hon. C.E., Sc.D. (Cambridge & Dublin), Order of Merit; professor of natural philosophy. Royal Inst .. since 1887; senior wrangler & Smith's prizeman, 1865; prof. of experimantal physics, Cambridge, 1879-84; author of

"Theory of Sound" & many scientific papers. (Who's Who + Encyc. Brit) Successful land light stury bro Hon. <u>Baward Gerald Strutt</u>, has established & managed a large land agency & surveying business, &makes farming on a large scale pay. in Essex.

ing Place Witham Essex

me si son Ronald Montague Burrows, (b. 1867), professor of greek in the University College of S. Wales & Monmouthshire. (Who's Who)

son Hon. Robert John Strutt, (1875), science fellow of Trinity Coll. Cambridge; has done original work on Radium etc. (Who's Who)

me fa bro Major-General Edward Vicars, R.E., distinguished himself under Lord John Hay on north coast of Spain. & received prevet majority & spanish orders for gallantry in action before San Sebastian in 1836; selected for special duty with the fleet in 1854; taken ill on the way out & retired on full pay.

wife

nee Balfour (Vide account of Balfour family)

#### Clement Reid, Esq. 41. NOTEWORTHY KINSFOLK OF ("WHO'S WHO" contains all that is wanted concerning yourself.) \*.\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN. bro = brother; da = daughter; fa = father; Hu = husband; oue = mother; si = sister; so or son = son; Wi = wife. fa bro ton means "MY father's brother's son IS"; me da means "MY mother's daughter IS"; to Wi bro means "MY son's wife's brother IS"; &c. Exact kinship briefly phrased. No. who sur vived child-hood. Exact kinship briefly phrased. No. who sur vived child-hood. Initials of the noteworthy. Initials of the noteworthy. Full names of those whose initials appear in the preceding column. Common terms of kinship. Title. Regr. Title. Regr. Regr. Title. 4 me me Margaret Brainard 12 si Margery anna Reid 23 me bross Harold Lesley Barnard Grandfather . I fa fa me fa 3 Grandmother 2 fa me m.B 4 me me fa Father . . . 5 Mother . . . 6 me \_ 0 memebro michael Garaday 40 fa bro Uncles . . . 9 me bro 7 8 fa si 3 me si Aunts. . . 10 me failio George Barnard 4 and falle tred Barnard Brothers . . . 11 bro Sisters . . . . 12 si m.a.R. 4 fa son -Half-brothers 13 -15 me son Half-sisters 14 fa da 16 me da bro son si son -Nephews . . 17 -19 Nieces . . . . bro da si da 18 20 --H.L.B. 8 First cousins . . 21 fa bro son 0 23 me bro so Male . . . fa si son 24 me si son 22 5 4 PAPERS 6 0 First cousins . . fa bro da me bro da 25 27 Female . fa si da 28 me si da 7 26 6 Wi. bro. Hugh Copner Hyme Edward Wife's brothers and sisters. K.R.W.E.; J.R.W.E Initials of the note worthy. Maiden name of their mother, your wife. Year of her marriage. who su vived child-Wir. bro. John Rosindate Hynne Edwards Regr. Title. Initials of the noteworthy. Titles. riage. Sons . . 2. In . Wyme so Wi bro 29 30 1897 so Wi si Edwards, B.Se (Lond. ) da Hu bro Daughters da 30 da Hu si marringo. so(2) Wibro Sons . . 29(2) 50(2) 10(2) Wi si da(2) Hu bro Daughters 30(2) da(2)znd da(2) Hu si Gorran Haven , St austell Clement Reit, Signature and Address of the Sender

### ABILITY IN FAMILIES.

By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

The object of the inquiry is to ascertain the frequency with which Ability, as indicated by High Success, is distributed among the members of a family; how far it is sporadic and how far it seems to be hereditary or else traditional. The replies will add to our knowledge of some of the main causes of evolution : one of these is the coefficient of mental heredity, another the inclination or otherwise of persons to mate with their like or unlike, another the fertility of the mentally exceptional in various degrees, including their tendency to be celibate, or to marry early or late.

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FRANCIS GALTON. 42 RUTLAND GATE, (S) LONDON, S.W. F.13v

4 me me. margaret Barnard F. 14 Garaday's sister - said to have been of exceptional ability. Brought up a large family. 12 si margery Anna Reid B. Sc. London; science mistress at Ladies 'College, Cheltenham. Conspicuous success as a teacher, speciality geography. 23 me. bro. son. Dr Harold Lesley Barnard. Jurgeon rinventor of apparatus for teoting blood pressure. me me. bro. michael Garaday me fa bro. George Barnard Landscape Arhot souther of various books a drawing spainting. me fa bro son. Fred Bannard Galton Artist + Caricaturist. Mi. bro. Hugh Copner Mayme Edwards, Civil Engineer; director Sir John Jackson, Simt.; in charge of construction admiralty Dock yards, Simon's Bay. Wi. bro. Rev. John Rosindale Wyme Edwards. Open ocholarship Ch. Ch. Oxford ; head master Seeds Brammar School

I would point out that this mode of enginery " is likely to handicap large families & make them appear to be below the average in ability. Other things being equal, there will be less money to spend on the education of a large family than of a small one, the members will have to earn their limits of a large family that to earn their living at an earlier age. This has certainly been the case in the families treated of in the form annesced. Clement Reid

<u>Clement Reid</u>, F.R.S., district geologist on survey of England & Wales; author of many works on geology. (Who's Who)

Schopical Survey, Africe, Terry Stut

£.16

si <u>Margery Anna Reid</u>, B.Sc., London; science mistress at Ladies' Coll., Cheltenham; very successful as a teacher. me bro son <u>Harold Leslie Barnard</u>, surgeon, & inventor of

apparatus for testing blood pressure.

me me bro <u>Michael Faraday</u>,(1791-1867) famous chemist & elec--trician; started his scientific career as assistant to Sir Humphrøy Davy. (Dict.N.Biog.)

me fa bro <u>George Barnard</u>, landscape artist & author of many books on drawing & painting.

me fabro son Frederick Barnard, (1846- 1896), artist & caricaturist;

illustrator of Dickens, & contributor to Punch etc. (Dict. N.Biog.)

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dother .		6	me	-			-	-	-			1323		
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Aunts		8	fa si	5			10	me si	0			10702		
Brothers		п	bro	1	E.K.	R	-	-	-		11	bro	Edw. Konrad Reinold	
Sisters .	• • • •	12	si	2			-	T	-	-			Inventor of automatic duice gate used in more	
Half-brot		13	fa son				15	me son				1000	Suice gate used in more	
Half-siste	:TS	14	fa da	1	T BALSHE		16	me da					-	
Nephews		17	bro son				100000	si son	0			1945		
Nieces .		18	bro da	-1			20	si da	0			22		
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Male		22	fa si so	*** 8			24	me si son	0				The second second second	
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Femal	le	26	fa si di	. 8			28	me si da	0				GALTON	
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Common terms	Exa brief	ct kinshi y phrase	d. who viv	sur- ed Initials of		Exa briefl	ct kinsh ly phras	ed. wł	ived	ials of the	Regr.	Title.	Full names of those whose initials appear in the preceding column.
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Half-brothers Half-sisters .	13 14	fa son fa da				15 16	me so me do						
Nephews Nieces	17 18	bro soi bro da		1~		19 20	si son si da						
First cousins . Male	21	fa bro fa si s		* 2			me br me si	bro son si son					
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## ABILITY IN FAMILIES.

By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

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FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W. 6.18

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# NOTEWORTHY KINSFOLK OF Baac Modert D.S. FRS

("WHO'S WHO" contains all that is wanted concerning yourself.)

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F.21+

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FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W. F.214

F.22 43. Bishopsgate Street Without, H.ASTLEY ROBERTS. London, E.C. 7 June 1974 Solicitor. Deartin My father the Samuel Nobert F.N.S of 27 hassingtin 1? Hampstead has requested met fill up the suclosed form to segn it on his behalf aske is mable L'doso wrig to failure of eresight musting IF. Cester Noberts Francis fallon by 42 Mutland gate A.W. PAPERS

NOTEWORTHY KINSFOLK OF Samuel Roberts, 889, 400.

("WHO'S WHO" contains all that is wanted concerning yourself.)

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\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY ; WHEN SATISFIED, TNK IN.

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F. 234

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F.24 me fa 1/2 bro grandson alfred 03 Churchell See Dictionary of hational Biography Stitish Leslie Henry Churchill C.B. Stephin and Low (brother of alfred is Churchell) H. M. Consul at Palerino tother places \_ 3 of Heury Churchill's sons hold Consular office ins Harry Leonel Churchill 1.M. Consul at Resht-Sidner J. G. Churchill M.M. Consul at Palerino William a.J. Churchill 1. M. Concul at Para Bragil Joel Churchell Emigrated in 1819 to america 9 me bro \* & in 1820 settled at albim Edwards Collinois " where he lived I died one of the most-properors " respected sin fluential citizens of that portion " of Illinois" Extract from letter of grands on of foel Churchie " all foel & hurchill's descendants have chosen " spursued how mable callings have been of " recognized worth in their respective fields of " actionly share in all things maintained the " fair reputation of their ancestor " Extract from letter of grandson of Joel Churchell 29 So Saunel Oliver Cloberto Scholar of St John's leall. Camb. Seventh Wrangler June 1882 Head Mathematical Master Royal. Grammar School newcastle on Tyme 1884 Second Mathematical master & South Form Master on Modern Side Merchant Jaylos School died 1899 see Journal of Education July 1899.

f.25 S. fa. si. Emma Romer. Distinguished Operatic Singer. mentioned in Dictionary of national Biography.

# NOTEWORTHY KINSFOLK OF The Lord Justice Romer, G. C.B., HRS. ("WHO'S WHO" contains all that is wanted concerning yourself.)

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FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W. 1.26

F.27 TELECRANS, NEST-HORSLEY. PARCELS, HORSLEY STATION LS.N. Jul. 26.04 WOODCOTE LODCE. WEST HORSLEY. LEATHERHEAD. Mydean falton I much apologise for What having sent you ere this the Enclosed "noteworthy kinsfolk" of myself. Englishmere are said always have late but not too late. I hust that this with hold ford in my case. I am form vertuly Kenry S. Roscon I. falton g. INS to fe COL GALTON PAPERS

# NOTEWORTHY KINSFOLK OF fir Henry Roscoe J. R. S.

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F.28.

\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN.

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First co Male	ousins le	21 22	fa bro s fa si se		10 10 10 10 10 10 10 10 10 10 10 10 10 1	1. C. 1. S.		23 24		bro son si son		C.	В	21 22	J.R.S.	William Stauley Jer
	ousins male	25 26	fa bro fa si d					27 28		bro da si da				24	F.R.S.	Charles Boots.
				No.								's brothe	ers and sisters.			
		Regr.	Title.	who sur- vived child- hood.	Initia of the ne worth	note-	their mo	n name o other, yo wife.				itles.	Initials of the noteworthy.			GALTON E
-odeu So	ons	29	30	1			Luc	y Potter		1863	1 10	Vi bro Vi si				TAPERS OF
Soi Da	aughters .	30	da	2				0	• •		da Ha	ter too				
maarr	ons		so(2)								sa(2) ga(2)	Wi bro Wi si Harboo Harsi				

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Please address the completed results thus, not omitting a large and very legible S in brackets, in the bottom left-hand corner :

FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W. REMARKS on the Noteworthy KINSFOLK of SIR HENRY ROSCOE

32 . 1

1

No.	1	WILLIAM ROSCOE of Liverpool. Historian & Poet & Philanthrop- ist. Author of the Lives of "Lorenzoddi Medici" & "Leo X" M. P. for Liverpool.
No.	4.	ANNE ENFIELD daughter of Dr Enfield of Norwich. Cartaike Guered Men
 No.		HENRY ROSCOE youngest son of William Roscoe. Barrister-at- law. Author of "Roscoe's Digest of the Law" & other standard works on law, & the "Life of William Roscoe"
No.	6.	MARIA FLETCHER Artist & Authoress. Wrote the "Life of Vic- Me toria Colonna"
No.	7.	WILLIAM STANLEY ROSCOE Poet.
No.	7.	ROBERT ROSCOE Poet, author of "King Alfred" a poem in blank & bo
No.	7.	THOMAS ROSCOE Author. See "Biographical Dictionary." felo
No.	8.	JANE ROSCOE Poetess. Authoress.of "Poems by a Family fati Circle."
No.	10.	HARRIET FLETCHER Authoress of "Tales for Children. he li
No.	21.	WILLIAM CALDWELL ROSCOE Essayist & Poet. for les to
No.	22.	WILLIAM STANLEY JEVONS F. R. S. Political Economist & fatison Statistician.
No.	24.	CHARLES BOOTH P. C. F. R. S. Economist & Statistician. We like



6.29

LIVERPOOL SCHOOL OF TROPICAL MEDICINE.

THE

Telephone 19 X Edge Hill,

JOHNSTON TROPICAL LABORATORY, UNIVERSITY OF LIVERPOOL

TEASSV

A: Jul 1904

Den fri much reput Moosshle that ~ no m

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abence

15

f. 30

A COLLEGE GALTON PAPERS

Newnham Cottage.

Queens' Road,

Cambridge.

F.31,

July 10 1904

Dear Vir

I would gladly

fill up The paper of

questions you have sent

to me if I could get

The information you

want with any real

accuracy. My relations

are so numerous & so scattered over the colonies that it could only be obtained by much letter conting & would not be worth to much labour. I have put a few itens on another paper which may possibly be useful. I remain freely E. S. Routh

F. 31V

1.32r E. J. Routh . Fathers Father. a Judge in Newfoundland, died lefore my bith . Father Sir Randolph I Routh , made KCB for eminant Services in The army. See National Biography. Uncles ou Mothées side } were Roman Catholies. one 16 To Elzear alexandre Jaschereau was a Cardinal. mu m another Thomas Taschereau was a Judge of The Supreme court of Canada. His eldest son In the Sir Hairi Taschereau is a Tudge in The same court received by the King here last mouth. minso The How T Elgear Taschereau is also a Judge in The same court & a quester arter on law, he is the son of another uncle. See "Canadian Mon & Women of the Time" Half Brother } Dr C H. F Rowth & his Son Amand Ke Routh are both eminest physicians in London . Wife's Father Sir George B airy the late astronomer Royal ivas a mathematician of the fresh rank. Wifes Brother . D' Osmund airy, wrangles at Cambridge , Inspector of Schools, is an Historian. His last work is "Charles I. PAPERS

Sons. George Routh scholar at Charterhouse & Peruliske College, 13th arrivelar & now suspector of Schools. R Reepart Routh gained leaving mathe Scholarship at charterhouse (Valued \$ 320), was mathe Scholar at Caines Coll, & gained a good place last year in The open competition for Indian Civil Service. Sister's sous. we kelkelly's sous gained honours in Trinity tollege Dublin & have subsequently served in India as destinguished medical officers. The only members y my family who have taken an interest in Mathematics seem to be Ser & any two of my sous Anyself. The Taschereau family exhibited quat ability in law & Therefore Some of Them night possibly have studied Mathematics had there been any opportunities to do in Canada in their time

F. 32V

#### NOTEWORTHY KINSFOLK OF D? E. & Routh HRS. See "Men of the Time ("WHO'S WHO" contains all that is wanted concerning yourself.) \*\*\* WRITE AT FIRST FAINTLY IN FENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN. bro = brother; da = daughter; fa = father; Hu = husband; me = mother; si = sister; so or son = son; Wi = wife. fa bro son means "MY father's brother's words"; me da means "MY mother's daughter IS"; so Wi bro means "MY son's wife's brother IS"; &c. Exact kinship briefly phrased No. who sur vived child-Exact kinship briefly phrased. No. who sur vived child-hood. Initials of the noteworthy. Full names of those whose initials appear in the preceding column. Common terms of kinship. Initials of the noteworthy. Title. Regr. Regr. Title. Regr. Title. Grandfather . 1 fa fa 3 me fa Grandmother 2 fa me 4 ·me me Father . . . 5 fa Mother . . . 6 me Uncles . . . . 7 fa bro 9 me bro Aunts . . . . 8 fa si me si 10 3 Brothers . . . bro 11 \_ Sisters . . . 12 si 4 Half-brothers 13 fa son 4 15 me son Half-sisters . . me da fa da 14 16 none Nephews . . . 17 bro son si son 19 Nieces . . . . 18 bro da si da 20 First cousins . 21 fa bro son 23 me bro so Male . . . 22 fa si son 24 me si son First cousins . . fa bro da 25 27 me bro da Female . 26 fa si da 28 me si da Wife's brothers and sisters. Initials of the note worthy. Maiden name of their mother, your wife. Year of her marriage. vived child Regr. Title. Initials of the noteworthy. Titles. se Wi bro se Wi si da Hartere da Hartere Sons 5 29 30 Daughters da 30 urriage. so(2) Wi bro so(2) Wi si 29(2) 30(2) Sons da(2) Hushey da(2) Hust Daughters . 30(2) da(2) 2nd Signature and Address of the Sender

6.334

### ABILITY IN FAMILIES.

By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

The object of the inquiry is to ascertain the frequency with which Ability, as indicated by High Success, is distributed among the members of a family; how far it is spotadic and how far it seems to be hereditary or else traditional. The replies will add to our knowledge of some of the main causes of evolution : one of these is the coefficient of mental heredity, another the inclination or otherwise of persons to mate with their like or unlike, another the fertility of the mentally exceptional in various degrees, including their tendency to be celibate, or to marry early or late.

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FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W. haav

£.34 Me boo Elseav Ales Cardon . I me tro Thomas Jadad Safrem Court -GALTON me bid Thos In Ser Henri Taski: Judy in same Courd receard her We bro (andt ande) to. How T Elzear Judge a twenter or locar be Canadian then a Women of the Time

D' EJ Routh. Newsham Cotage Zusan Road Can

Edward John Routh, (b.1831)Sc.D., Camb., Sc.D., (hon.), Dublin, LL.D., (hon.), Glasgow, F.R.S., senior wrangler & Smith's r prizeman, 1854; Adams prize 1877; has had 27 senior wranglers & more than 40 Smith's prizemen among his pupils. (Who's Who)

Space. I many mathematical papers.

Sir <u>Randomph Isham Routh</u>, (1785?-1858) Commissary general in the army; saw much foreign service, & was senior commissariat officer at Waterloo; K.C.B., 1848. (Dict.N.Biog.)

A GALTON GALTON PAPERS OF

1782

me bro Hon. Jean Thos. Tascheraau, judge of the King's bench in Canada.

Some bro son His Eminence <u>Elzéar Alexandre Taschereau</u>, (b.1820) son of the above; Cardinal Priest of the Roman Catholic Church, & Archbishop of Quebec.

me bro son Hon. <u>Henri Thomas Taschereau</u>, (b.1841) judge of the supreme court of Canada.

me bro son Hon. <u>Henri Elzéar Taschereau</u>, (b 1836), judge of the supreme court of Canada; author of many works on law. (The accounts of the Taschereau family taken from "Canadian Men & Women of the Time")

fa son C.H.F.Routh, eminent physician in London.

fa son son <u>Amand J.McC.Routh</u>M.D.,F.R.C.P., obstetric physician to Charing Cross Hosp. consulting obstetric physician to the Samaritan free Hosp. for Women, to the St. Marylebone General Dispensary, & to St. John's Hosp. Twickenham. author of numerous papers & articles on Midwifery & Gynaecology. (Who's Who)

## NOTEWORTHY KINSFOLK OF In arthur w. Rücker, Jps.

("WHO'S WHO" contains all that is wanted concerning yourself.)

6.361

\*,\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

Common ter of kinship.	mon terms kinship.		of the orthy.	Exac briefly Regr.	ly phrased. who vi ch		No. to sur- ived hild- tood.		Initials of the noteworthy.		Title.	Full names of those whose initials appear in the preceding column.			
Grandfather Grandmother			fa fa fa-me				3 4	me fa me me		11			5-	fa. bo	Damid Henry Rinker
Father		5	fa me		D.H.	R	11	11		- 1 - 1		_	11	tro	Ecliver Augustus Rücker
Juncles		7 8	fa bro fa si	-			9 10	me bro me si	0	32			/2	SL.	Helen Louisa Soldison
Brothers .		11 12	bro si	23	. E.A.		11			-					
Ialf-brother Ialf-sisters		13 14	fa son fa da	4			15 16	me son me da		1 1					and a second
Nephews . Nieces	200	17 18	bro son bro da	63	- all gor	mg	19 20	si son si da		2.5					
First cousins Male .		21 22	fa bro s fa si si		042		23 24	me bro me si	10.3T	30	4.5.		(the c	OOLLE OF	
First cousins Female		25 26	fa bro fa si d	200 1000			27 28	me bro me si	10000	1 1 1			UNIVER	APERS	
				No. who sur-	Initials	Maide	n name (	of 1	ear of	Wife	's broth	ers and sisters			
		Regr.	Title.	vived child- hood.	of the note- worthy.	their m	other, ye wife.	our un	her arriage.	т	itles.	Initials of th noteworthy			
Sons .	100	29	30				ian		1876	50 h	Vi bro Vi si Iu bro				
E Daugnt	ers .	30	da	1	-	101		1		1	Yu si				
Sons . Daught		29(2)	so(2)	1		There Chan Story.			1892	so(2) da(2	Wi bro Wi si Hu bro				
				dress o	f the Sender	1 1		- /			Husi	2.1	·9. Ja	Ce how	Jundeus S.W

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FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W. F.36 +

6.3 Damiel Henry Rücker 5. fa. Tung to heavy lones in he preceding generation my father began life on mall means, was a most succonful human man, well kunn i hunen Lane. He left a coundulle fortime to . Edward augusting Ricker 11 ho my hitter necesed to my fatters humans of the human ( Columni Broken ) in human Lane my rister An Ellerin Eddison unles under 12. si he pseudonym of "Genge First"

Additional Water. In the care of hismining hinty week as more I is deficill to appraise recease relatively to the professions, but think the following motes may bear on the general question of heredity if not on he particular problem under review. The family can be traced back to be sarly ful of to 17 th century, but all the to them foldy Seegnund Rücker b. Berlin May 4. 1682 I d. Hambury Dec 27. 1744 He uttled he Hambury, which was then me of the Hanse towns & was governed & a Connect consisting of the leading men of the town when werg culled "Senators" Me of his sons my fafafafa to wan a Lewater another settled in Suyland became very wealthy & built at Patney a house called method  $\mathbb{Z}$ now converted into a Horpital for manelles Currously sumply he is mentioned in the humiles of the Connect of the Royal South for Woor 4. 1762 as MRucker an minent merchant" in currector with D'Markelyne my writes fame fa The . In the third generation 2 of the family were Senators of Humbury: & another settled in her United Wates where to family is in a just finites one tog know by, bery a Colone ( in her 4.5. any while a nitter married her alchated Jeneral Therman

In he funt severation one member of to fumily was to succenful as a tranking merchant hit he was known as "fold Riceke" TK Another tor a Senator. The higher hand of the family suffered heavy reverses in this generation F. The most notable member of to family a they generating were Siginum a well known valuoro & allerton of water column, china x' who lived at . West Itill, Patney alped who was to last minister from her Hause torus to the court of the James'. Vatorme who manced Baron von Bulow a Prumai hunster & hutter of to present Chuncella of the Saman Surfue. Comado Prendent of the High Coul of hats monte Video a my Father of when I have reputer separate J VI. My one generation on which I have reputed. On the while then the for the last 150 years the family has no card generation produced some men who have been to point in they own tomes of life

# NOTEWORTHY KINSFOLK OF Sig. R.a. Sampson, tra.

("WHO'S WHO" contains all that is wanted concerning yourself.)

file

\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

Common terms of kinship.		Exact kinship briefly phrased.		l. who sur- vived		Initials of the noteworthy.		Exact kinsl briefly phra		. wh	No. o sur- ived	Initials of the noteworthy.		Regr.	Title.	Full names of those whose initials appear in the preceding column.
o	t kinship.	Regr.	Title.	chile hoo		notewor	uny.	Regr.	Title.	cl	hild- ood.	no	neworthy.	6.000		appear in the precessing commun.
Grad	ndfather	1	fa fa					3	me fa		-			//	600	Walter Treviskey
Grai	ndmother .	2	fa me	1003				4	·me me		-			9	metro	Walter Treviskey Sampson Markin MacDonnott
Fatl	her	5	fa	- 1				-	-		-			1	merro	
Mot	her	6	me					-	- n		-			11	bro	John Saupson
Unc	:les	7	fa bro	1				9	me bro	3		ms	m		.010	former 1
Aun	its	8	fa si	1				10	me si	3	5				22.20	
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Sist	ers	12	si	1		· · ·		-	-		- 1					Mar States States
Hal	f-brothers .	13	fa son					15	me son				Section of the sectio			
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Firs	t cousins	21	fa bro s	ion ?				23	me bro .	nom	4				uncapia	
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Firs	t cousins	25	fa bro	da 1				27	me bro	da 4	4					GALTON )
	Female	26	fa si d	la 2	-			28	me si a	a 1					128 484	E2/4/14/21/2
				No.		2.5.1					Wife'	s brothe	ers and sisters.			Annie
		Regr.	Title.	who sur- vived child- hood.	of	Initials the note- worthy.	their mo	n name other, ye vife.	our 1	ar of ier riage.	Tit	les.	Initials of the noteworthy.			
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2nd mai	Daughters .	30(2)	da(2)	TO THE REAL							12(2)	Harton Harto				

Signature and Address of the Sender

Rabampson Hervatrytouse Ducham

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FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W. F.lv

£.2 Samuelson 56. Princes Gate. GALTON South Kensington. PAPERS July 4.1904 Semilie I simply lonte to say that the circular which you Jay was posted a fees weeks up has not reached me This new account for your un having recised replies pom Hellows I cannot report high Success in our families - Some notice of my vun Carren will appear in the august number of "School published by Inter Murray My grant im Cent 40000m HFaind midah wer a Scholarthip In Latin and Greak wine at Harrow and Cambridge. I cannot trace there Jucensu to ancestion . Two of my Sim

4. VI. 04 Dear In Shave filled up the Inclosed Sent you duch particulars a Hinik may possibly be free Hear most of the data are two unportant for much Dalue Ste abached & them but Humpt Shathelter fire Them cleave it to you-putyment. as & Shich gon ha In And

6,3V have like myself, been in Parliances Mula ) amula muis halten E GALTON PAPERS

NOTEWORTHY KINSFOLK OF Edward Saunders, Bog., tres.

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("WHO'S WHO" contains all that is wanted concerning yourself.)

WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY; WHEN SATISFIED, INK IN.

Commot			t kinshij phrase		sur- Initia	ls of the	Exact briefly		d. wh		nitials of the	Regr.	Title.	Full names of those whose initials appear in the preceding column.
of kin	ship.	Regr.	Title.	chil	ld- not	eworthy.	Regr.	Title.	c	hild- ood.	noteworthy.			appear in the precenting commu-
Grandfat	ther	1	fa fa				3	ne fa		100				
Grandmo	other .	2	fa me				4 -	ne me		1000				
Father		5	fa	-	ww	S	-	-						William Wilson Sounde
Mother		6	me		2 - Quarter	3-2011-3	17			17. 19 19 19 19 19 19 19 19 19 19 19 19 19				
Uncles Aunts.		7 8	fa bro fa si	2	JS			me bro me si		3 3				Joshna Sounders
Brothers		п	bro	1	gss		-	-		- 10 1000				George Sharp Saunder
Sisters		12	si	1			-		33					
Half-bro Half-sist		13 14	fa son fa da	1	W 7.5	:		me son me da	CONTRACTOR OF					William Tocderic Saunde
Nephews		17 18	bro son bro da					ri son ri da			1	COLI	6	
First cou Male		21 22	fa bro i fa si si		J.C.S		0.000000	me bro me si		1 -0 - 5 -	WIN ERO	GALTO PAPERE		James Carr Saunder
First con Fema		25 26	fa bro fa si d	da 8				me bro me si i	0.070 0.04	3		-	*	
				No. who sur-	Initials		en name of		car of	Wife's bro	thers and sisters.			
		Regr.	Title.	vived child- hood.	of the note- worthy.	their n	wife.		her triage.	Titles.	Initials of the noteworthy.			2
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Son Das	15'	29(2)	sg(2);-					12		so(2) Wi bi so(2) Wi si				Frederic Rathaniel Brow
Dag	ighters .	30(2)	da(2)		-					da(2) Hu b da(2) Hu b				

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FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W.

W.W.S.	7. R.S. d. Well Russon as a Scientific Collector and Botanistace
J.S.	PRHS "could Known as an Orchid cultivator
4.S.S	725, Hon IPHS, author of various articles in Gardennig papers on Sconomic Entomotory
W7.S.	FLS . FRATS . good Botanist but never wrote anything
JCS.	The Prince Underwrite at the Tommercial Union and Partie original Sugar of the formercial Union
E.ms.	MRCS. LRCP. Sambrook Sutit. Warnefors Prize. 15 years Scholar. late Merical Registran Rig Coll Hosp. Demonstr. Anatomy. Honse accorch & Physician & Thildren
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G.W.I	Ba Camb. Sambrook Endowment 2×2 - 1898 . Rup Coll School -
7.N.B.	In Res, LRCP Preliminary beientific & h: VBarts 1887 14 flanstonours Mat Medria, "2" Class ditte Organie Chemistry. in MB. Ron Miles 1882+.

F. 6

### NOTEWORTHY KINSFOLK OF

K OF Jug. E. a. Schäfer, sp.

R.7r

("WHO'S WHO" contains all that is wanted concerning yourself.)

\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

Common terms of kinship.		t kinshiq phrases Title.	d. who viv chil	sur- ed Initials Id- notew		Exac briefly Regr.	t kinship 7 phrased. Title.	wh v cl		itials of the oteworthy.	Regr.	Title.	Full names of those whose initials appear in the preceding column.
Grandfather Grandmother .	1	fa fa fa me		J. H.S		3 4	me fa .me me		-		1	baba.	Johann Heinrich Schäffer munice Director Opere Warn, Wanhung
Father	5 6	fa me		-					-				ofera litere, Handrig
Jucles	7 8	fa bro fa si	27			9 10	me bro me si		1		29	50	John Sharpey Schife
Brothers Sisters	11 12	bro si	33						-			1	1 . 1.1.7.
Half-brothers . Half-sisters	13 14	fa son fa da	1.1			15 16	me son me da			1	30	da	harjon Schafer
Nephews Nieces	17 18	bro son bro da	3			19 20	si son si da		2	ODLLEGE		1. ila	having agenter Dixe
First cousins , . Male , . ,	21 22	fa bro s fa si s				23 24	me bro s me si se	24	0 - 0	PAPERB ON		00000	
First cousins Female	25 26	fa bro fa si a	0.00			27 28	me bro a me si da	la a	42				<u></u>
	Regr.	Title.	No. who sur- vived	Initials of the note-	their m	n name o other, yo	f Yes	ar of	Wife's broth	ers and sisters.		1	The Maker Charles the Min Provide 200
			child- hood.	worthy.		wife.	marr	ringe.	Titles.	Initials of the noteworthy.			Stiller - bot Tulpy Canton
Sons	29	50	2	J.S.S.	Man	Wine	+ 18	78	Wi bro Wi si	7. Q.A.			Adverte a to Drug
Daughters .	30	da	2	his.s.		1			de Hart				
Sons	29(2)	30(2)							so(2) Wi br				-
Daughters .	30(2)	da(2)					S		(2) Mar 1				
Signat	ure ar	id Ad	dress of	f the Sender	. 80	Sel	ale	20	horth	Ber	inics	F	

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fa fa Johanne Heinsrich Schäfer. humician. Director of the operation Handrey mig the sarry her of last century. 29 So John Sharpey Schafer . Lient. R. N. Im 1881 Parried records on hirt into Poritannia . 1895 hunjory Schafer , born 1880 Scholandig at to Lement School to Runker 30 da Second clan in Wistonich Tripos Canting (finter Colly) hiho Rederick angusting Arkey. Fillow a Burnar of Worthen Collyn. Distinguished as an Entormalignet. Salut

### NOTEWORTHY KINSFOLK OF D. C. L. Selater, 4. P.S.

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\*\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

Common terms of kinship.	Exact kinshi briefly phrase		whos	ur- Initials			ct kinship y phrased,	No. who sur- vived	sur- d Initi	ials of the teworthy.	Regr.	Title.	Full names of those whose initials appear in the preceding column.
or emaints	Regr.	Title.	child		ortiny.	Regr.	Title.	child- hood.	IPC	teworthy.			alden in the breeding communi-
Grandfather Grandmother .	1 2	fa fa fa me				3 4	me fa me me	-	er Uren				
ather	5	fa me	-	W.L	<i>l</i> .	11		-					EWilliam Lutley Sclater, of Hoddington, J. P.
incles unts	7 8	fa bro fa si	12	,		9 10	me bro me si	2,		S. C. To Al			A Real Press of the second sec
Brothers	11 12	bro si	13	g.s.	<i>B</i> .	11	-	Ē					IlGeorge Sclater Bon First Lord Basin
falf-brothers falf-sisters	13 14	fa son fa da				15 16	me son me da						(see men of The Jin
lephews	17 18	bro son bro da	36			19 20	si son si da	2	1				and the strength of the second
first cousins Male	21 22	fa bro so fa si son		44		23 24	me bro son me si son	-0%	1				
irst cousins Female	25 26	fa bro d fa si da		4		27 28	me bro da me si da	12					The second s
			No,	Initials	Maide	n name (	of Year of		's brothe	rs and sisters.			
	Regr.		vived child- hood.	of the note- worthy.		other, yo wife.	marriag	120	itles.	Initials of the noteworthy.			29 William Lutley
Sons	29	IØ	4	1V.L.S.	Jane	a.	E. 186	2 50 H	Vi bro Vi si lu bro				gWilliam Lutley Sclater (of Jape Journ)
Daughters .	30	da	1	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1			-uz	da l	u oro Tu si	and the			
Sons Daughters .	29(2) 30(2)	so(2)						so(2) da(2)	Wi bro Wi si Hu bro Hu si				-

Philip Lutley Sclater, Odiham Priory Winchfield

### ABILITY IN FAMILIES.

By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

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Please address the completed results thus, not omitting a large and very legible S in brackets, in the bottom left-hand corner :

FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W. 69v

Philips Lutley Schater, Odiham Priving Winchfield born 1799 5 William Lutley Sclater, of Hoddington House, was for many years a well known personale in north Hants, where he was Chairman of the Baimgetoke Bench and of the Bodrie of Guardians for about 40 years. He died in 1885, at the age of 97 bro 11 feorge (his eldest son ) was M.P. for north thanks 20 years, and afterwards become Lord Basing See Then of The Jime, Pearage in (1863) 29 William Letly Sclater, eldest son of P.L.S. Son took a first dans in Natural Science at beford and is a well known zoologist, and author of many papers on Mammals, Burds ge. He is now Director of the South african Museum, Cape Town.

### NOTEWORTHY KINSFOLK OF D.H. Scott, trea.

("WHO'S WHO" contains all that is wanted concerning yourself.)

F.11,

PAPERS

\*\* WRITE AT FIRST FAINTLY IN FENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

- 0	nmon terms	Exact kinship briefly phrased.		d. wl	No. ho sur- ived	Initials of the noteworthy.		Exact kin briefly ph			No. who sur- vived	Initials of the noteworthy.	Regr.	Title.	Full names of those whose initials appear in the preceding column.
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	thers	11 12	bro si		4-0	G.G. 5	s.			-	-		16.	600.	george gillers Scot
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Serve mant indice	Sons Daughters .	29(2) 30(2)	so(2)								so(2) Wi so(2) Wi da(2) Hu	ii			

Signature and Address of the Sender

The Old Palace . Thickmond . Surrey .

THE object of the inquiry is to ascertain the frequency with which Ability, as indicated by High Success, is distributed among the members of a family; how far it is sporadic and how far it seems to be hereditary or else traditional. The replies will add to our knowledge of some of the main causes of evolution : one of these is the coefficient of mental heredity, another the inclination or otherwise of persons to mate with their like or unlike, another the fertility of the mentally exceptional in various degrees, including their tendency to be celibate, or to marry early or late.

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FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W.

31. fa fa fa . The Revol Thomas Scott anthon of a commendary on the Bible "The free of truth " rother theological works bland. Successful hosimers man 3. me fa mayor of Boston, Lincs. 5. fa. Sis genge gilbert Scott. R. A. architect unde " mediaeval architecture. a plea for the faithful restoration of ancient clunches? "gleanings from wertinister abbay ? much The Bevel Thomas Levet . 11th Wrangler. 7. fu bro The ben auch melville 14. Scott auch deacon 7 fa ou. of stafford. george gilbert Scott. F.S.A. auditect. 11. 620. avoited of R.C. Cathe and hornsich anchitecture Head of moral Science ripers. Combridge \* Burney Prize Essay 7 to son giles gilbert Scott en of 9. gilbert Scott architer of Liverpool Cathedral, chosen by impetition at the age of 22. 7 ho in. Henry george Sevet sow of J. oldrid Scott Director of mines e fology to diamese. government at the aje of 24. 17. Ja boson Canon Thomas Scott. ment Bead of moral Science Tripos. Cambridge 17 fu to son Canon Samuel filbert South. Un mile race in oreford about 1867. In many years nector of Woolwich. 17. Ja no son. The Vew Edwin a Scott archaeacon of Unistelnarch . new yealand. 32 3 " cousin n Lord alverstore Lord Chief protice Jathers wide, Bishop Charles Scott, 1 North 33 2 Peonsin m China. China. fathers side.

Duckinfield Henry Scott, (b.1854), F.R.S., Hon. Keeper Jodrell Lab., Royal Gardens, Kew: botanical sec. of the Linnean Soc.: president of the Royal Microscopical Soc.: author of "An Introduction to Structural Botany", "Studies in Fossil Botany", & various papers in Phil. Trans. & etc. (Who's Who)

fa fa fa Thomas Scott, (1747-1821), chaplain of Lock Hosp. London, afterwards rector of Aston Sandford: produced # in weekly parts from 1788-92 a commentary on the Bible. author of many other religious writings. (Dict.N.Biog.) fa fa 加 Thomas Scott, (1780-1835), Queens' Coll, Cambridge: author of many religious works. (Dict.N.Biog.) fa So Sir George Gilbert Scott, (1811-1878), R.A., architect. restoring architect to Ely, Hereford, Lichfield, Salisbury, & Ripon cathedrals: architect of India. Home & Colonial offices, etc.; pres. Royal Inst. Brit. Architects, 1873-6: prof. of architectrure R.A.from 1868. (Dict.N.Biog.) fa bro Thomas Scott, (Rev.) 11th wrangler. fare fa bro Ven. Melville H. Scott, archdeacon of Stafford. George Gilbert Scott, architect of Roman Catholic bro Cathedral, Norwich: head of Moral Science Trip., Cambridge: hurch Burney Prize Essay: author of "History of English Architecture" (Who's Who)

The nicolai

Kirche al

Handing

bro son <u>Giles Gilbert Scott</u>, arhitect of new Liverpool Cathedral, chosen by competition at the age of 22. F. 13

bro son <u>Henry George Scott</u>, director of mines & geology to the Siamese government at the age of 24. fa bro song <u>Canon Thomas Scott</u>, (b.1831), Whewell University prizeman: lrst in lrst class Moral Science Trip., 1854. (Who's Who)

fabroson The Ven Edwin A. Scott, archdeacon of Christchurch, New Zealand.

fa fa bro son son Charles Scott, bishop of N.China.

F.ISr NOTEWORTHY KINSFOLK OF S! Robert #. Scott #19 ("WHO'S WHO" contains all that is wanted concerning yourself.) \*\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN. bro = brother ; da = daughter ; fa = father ; Hu = husband ; me = mother ; si = sister ; so or son = son ; Wi = wife. fa bro ton means "MY father's brother's son IS"; me da means "MY mother's daughter IS"; to Wi bro means "MY son's wife's brother IS"; &c. Exact kinship briefly phrased No. who sur vived child-hood. Exact kinship briefly phrased. No. who sur-vived child-hood. Full names of those whose initials appear in the preceding column. Initials of the noteworthy. Common terms of kinship. Initials of the noteworthy. Title. Regr. Title. Title. Regr. Regr. the John Sucred Scale J.P. (A) C. (B) Grandfather . fa fa 1 3 me fa Grandmother fa me 2 4 me me F.8(C) Ja Januels Snapth Scort Father . . . 5 fa Mother . . . 6 me ne bro william Product D W Uncles . . . fa bro 7 0 me bro Aunts. . . charles Probad Scate 8 fa si 10 me si 610 (F) Brothers . . bro 11 bro 20100 Sisters . . . 12 si. A bro 0/10 GALTON Half-brothers fa son 13 15 me son PAPERS Half-sisters . fa da 16 me da 14 George Digby Seals brosa Nephews . . 17 bro son 19 si son Charles Willie Scales bro Sin Nieces . . . 18 bro da 20 si da Ideand william Scot to bu sa UNI EW fa bro son First cousins . 23 me bro sol 21 Horl Cien Mohick (1) Male . . fa si son me si son me ber Sa 22 24 A(M) we have so gen fe Matrick. fa bro da me bro da First cousins . 25 27 CB: BIN Female 26 fa si da 28 me si da charles Monick Wife's brothers and sisters. Maiden name of their mother, your wife. Year of her marriage. Initials Regr. Title vived of the note worthy. Initials of the Titles. noteworthy. Sons . . so Wi bro 29 30 so Wi si da Hu bro Daughters 30 da da Hu si so(2) Wi bro 29(2) 50(2) Sons so(2) Wi si da(2) Hu bro Daughters . 30(2) die(2) pu da(2) Hu si Signature and Address of the Sender Healt to slue Mark fauland SW.

E

### ABILITY IN FAMILIES.

By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

The object of the inquiry is to ascertain the frequency with which Ability, as indicated by High Success, is distributed among the members of a family; how far it is sporadic and how far it seems to be hereditary or else traditional. The replies will add to our knowledge of some of the main causes of evolution : one of these is the coefficient of mental heredity, another the inclination or otherwise of persons to mate with their like or unlike, another the fertility of the mentally exceptional in various degrees, including their tendency to be celibate, or to marry early or late.

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2-40

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FRANCIS GALTON. 42 Rutland Gate, (S) LONDON, S.W. F.ISV

6.16 Residual at Controf buch 18th Cautay, Friend of Sources John Penched Scatt. lefe A charles Morrick Auchbridop of Called, Intand han B James Smight Scott Gold meddlick, Eria foll . fa C Dean of wells. William Broduck he by D Ruch Clattic and 22 Indaples 1848 Follow Trui Coll Cant. Jean quarter Voltementer Charles Morrick Scale bo E bu F James George Scott Chaucellon Statich's Date bro G Sdevard Ashley Scott Hollow Luilallanding husa H George Digby Sett Scholar Time for Hailey buy 1 the class Classical Tipos buse # charles william Scate. Eugener Szich Sec Mulitan Norad Marga Sec Mulitan Norad Marga Sanare Renged asking Schward William Scole fa husa J William Prohick , one biosn. K 8th Viscous Mielleton. Banista, Dhienhof Surry. George charles Prostick no hosa L. DCL Axford Kuch Class Classics 1852 n Lih Hyman 1853 Long coursel with the Ling Fillow & Wander of hillan 1881 Indiable Aston luno Cantosin Buthen of several works. no besisa M gal bro so so portick. Secon State forduties mit sa N Charles Artick Bleased Rishop Lusan Bernard Rishop Leland (8)

Robert Henry Scott, (b.1833)D.Sc., F.R.S., classical scholar 1855 Trin Coll. Dublin 1853; Irst Senior Mod. Exp. physics; supernt/ -intendet Meteorological, 1867-1999 office 1867-1900; (Whe's Whe)

F.17

fafa\_John Pendel Scott, resident at the court of Oude, friend of Warren Hastings.

me fa Charles Brodrick, archbishop of Cashel, Ireland.

fa James Smyth Scott, gold medallist Trin. Goll., Dublin. ME Bro. Interiam Tohn Broduck, Dean J Wells, ?" Viscoust Middle ton, pro Charles Brodrick Scott, senior classic Cambridge, 1848;

headmaster of Westminster School.

bro James George Scott, Archdeacon of Dublin, Chancellor of

St. Patrick's, Dublin.

bro <u>Edward Ashley Scott</u>, fellow of Trinity Coll., Cambridge. bro son <u>George Digby Scott</u>, Irst class classical troos. Cambridge.

bro son <u>Charles William Scott</u>, engineer Irish Lights board. fa bro son <u>Edward William Scott</u>, general Bengal artillery; for many years secretary to the military board Bengal. me bro son <u>William Brodrick</u>,8th. Viscount Middleton; Lord Lieutenant of Surreyme-bro-son

me bro son <u>George C. Brodrick</u> (A. d.1903) D.C.L., warden of Merton Coll. Oxford; brilliant college career; connected

with the "Times" 1860-73. (Who's Who)

me si son <u>Charles Brodrick Bernard</u>, bishop of Tuan, Ireland. me bro so son <u>William St.John Brodrick</u>, P.C., secretary of State for war1900-3; subsequently for India. (Who's Who)

ml

F.18, TRINITY COLLEGE, CAMBRIDCE. GALTON PAPERS July 17 1904 Dear D. Galton Jan much a have to have delged return the form of hole worlds Kurfolk, wh: Ire? for the protone ou Jul 4. Jurk send A you as doonas Tean, but am veg much pressed appresent

a Juda defficulty in Jelling the debards. Sojara Innow, Than no notworks kinsfolk Except the old Adam They were motofther Jood stilling shrewd people, sofur as Iknow, who never had much Ja chance to shine in the world, possibly not much with. Have Alture is not so much defference between people matility as in

F. 19r opportunit. But will letyou have the form as soon as can Im veg truly Adam Sedporck

adam Sedquick (no return ret) F.194 OOLLER HIVER8/7 GALTON PAPERS LOW

F.201 TRINITY COLLEGE, CAMBRIDCE. GALTON PAPERS Jan - 3 190.5 Dear her Galton I must apologine for delay in replying to your enquirie. There been continuoully or caped sure tharwood with the completion of the 2 no vol. of my 200logy which as been a great burden to me maddition to my ordinary work a Tator of Thing & Reador of An. monphology furz: 7 , et my lining. Have had some defteculty in deciding whi of my predecessors Jougetto mention as notwork, as none ofthem Excepting the late lovodward are Inspersor

F.20v acquireday destuction satrad their own neepebourhood. Thave however thought bevorth while to mention them, for allhouse Acannot be clanced for them that ty were in any way noteworth, 4 their achuvent, get ty were on the whole will above the average of their heydores. yes surrey Aduin Sedjurch The deffeculty one Estimations aforton Who has had small opportunity hoteworth achievenut is generally, the combrued will favourable opportunity.

Adam Sedjwer.

John Settwick fater was an In A of St. Johns College Cambridge a Decar of Deut, yorschire. He was prachecally the Read of But Reg. no1. devery his time as was his father before him. Igather from what I hear ophim that he was a mon of sound practical sease, who would have done will an the freat world, had be had the opportunit. R no.2 June Sedjurik to fame wasau exceptional woman Agreat abilit r determination , as nown & her success in organising the hateonal lihool at deut ser asserting in the found ateon of Congill Adam Sedjurik. IL& FRS, Canon of horwech & was Woodwarden Troperor fatabro was undoubbedby an exceptional man. Richard Ledjuris fafa fa was mary Bent, where he obtained The same kund of, but greater, celebrit, etterned his son John dedfursk nos John Woodhouse of Bolton-le-moors meta made hunself a good sproptable business as Solicitor at Bolton + tooksome ho. 3 part in the development of Radwreys in that neglebourhood. De Robuson of Armage, my write's fata, the well known astronomer member office Prussian order of mout. Details about the prAjour will be found in Clark & Huper Sife of Adum Sedured

R.21

# NOTEWORTHY KINSFOLK OF Adam Sedwick (Jun 3, 1905)

("WHO'S WHO" contains all that is wanted concerning yourself.)

F.Zar

\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

common terms		t kinship phrased		IF. Initials		Exac briefl	ct kins y phra	ased. wh	ivea .	itials of the acteworthy.	Regr.	Title.	Full names of those whose initials appear in the preceding column.
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ather Lother	5 6	fa me	11				-	-	-	_	3	no:	John Woodhouse
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First cousins . Female .	25 26	fa bro fa si di				27 28		120.000	0			and a	NE
			No. who sur-	Initials	Maide	n name (	of	Year of	Wife's brot	hers and sisters.			
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E Daughters	. 30	da			1				fa Barri	1			
Sons Daughters		so(2) da(2)							20(2) Wi br 20(2) Wi si da(2) Handa da(2) Harr				

### ABILITY IN FAMILIES.

By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

The object of the inquiry is to ascertain the frequency with which Ability, as indicated by High Success, is distributed among the members of a family; how far it is sporadic and how far it seems to be hereditary or else traditional. The replies will add to our knowledge of some of the main causes of evolution : one of these is the coefficient of mental heredity, another the inclination or otherwise of persons to mate with their like or unlike, another the fertility of the mentally exceptional in various degrees, including their tendency to be celibate, or to marry early or late.

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For want of space, the forms for the four kinds of great uncle are omitted, namely, *fa fa bro, fa me bro, me fa bro, me me bro.* Similarly as to the great aunts. If any of these should be noteworthy their names may be entered in the third column, preceded by their proper titles. So may grandchildren. Eminent kinsfolk in still more distant degrees can be added in the like way, if thought desirable by the compiler. The noteworthy names should be written successively in the third column in any convenient order. There will be ample space to hold them all.

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FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W. 6224

## NOTEWORTHY KINSFOLK OF D? David Sharp, FRS.

("WHO'S WHO" contains all that is wanted concerning yourself.)

\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

f. 23 +

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FRANCIS GALTON. 42 RUTLAND GATE, (S) LONDON, S.W.

F. 24 . TUFFLEIGH, ST. VINCENT'S ROCKS, CLIFTON. GALTON July 31. 1904 PAPERS My dear Si I kan ten look ted he peper yndert we . It is rather opport to tale them in - Three is us Talt at the the all my an ciston up to from parents (Except ar a hand work alon the way in the mather of mathe power that the form

F-244

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F.25.

6.25v chang- Jakep he aclas dos storyou hat. here you mity Dam frang his WA Then shin CO GALTON PAPERS



### 36, CREFFIELD ROAD, COLCHESTER.

Joseph Shenstone, fa fa. ( Great Nephew of the poet Shenstone, also

renouned for his landscape garden) Was left as a child only sur--vivor of afamily of seven. He became an intellectual leader in West of England, Was proprietor of a very successful private sche to the Founded the Mechanics institute Bath (now Bath Atheneum) His stre He was a good mathematician and much interested in science. He was paralized when comparatively young.

James Chapman, Me: Fa. Was a very large Malster. at Wells Norfolk. Thomas Ashwell Shenstone fa bro. Was a successful civil engineer. He was

assistant engineer on St. Louis branch of Great Pacific Railway, and is mentioned in Fifth Annual Report 1855. His health broke: down when still under 30, He was regarded as amongst the most peomising upon the staff, and his appointment was kept open during

his last illness, for a year, until his death.

James Chapman Shenstone, Has devoted his leisure from close occupation in Public and private business to scentific work. Contributed the: Article on Botany to Victoria County History, Essex. and is con--tributing articles to second volume. Also papers to Society of



### 36, CREFFIELD ROAD,

COLCHESTER.

Public Analists, Essex Ntauralist, Illustrated Scientific News etc.

Chapman Bros ? You must find out about these.

Ethel Nisbet, Gilchrist Scholar, Queen's Square; Bloomsbury School of

Art, Attenned Buph Tocaber. Author of Flower Painting

for beginners , Blackee and Sons. Exhibitor in Water Colours

at toral loaders for some period .. Successful as an Art Tea-

-cher.

me si da

Annie Seaton, Gilchrist Scholar, Queens Square; Bloomsbury School of Art

Now Pupil Teacher at same school.

Note: On our Fathers side all #Mø males who survived childhood are men-

-tioned, except fa. who was left to make his way in the work

without friends, and died comparatively young. He had little

opportunity to give attention outside his vocationp

On mothers side great skill in embroidery and fine lace

making was displayed by MeMe; Me; Si.

Sidney J. Chaspuean. Jule Proposar of leansain in Kabictoria kning David Leonard Chapman a porising you chants Dumon tration in the Vertice heriting.

#### NOTEWORTHY KINSFOLK OF W. a. Shenstone, 859, 400. ("WHO'S WHO" contains all that is wanted concerning yourself.) \* \* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN. bro = brother; da = daughter; fa = father; Hu = hushand; me = mother; si = sister; so or son = son; Wi = wife. fa bro son means "MY father's brother's son IS"; me da means "MY mother's daughter IS"; so Wi bro means "MY son's wife's brother IS"; &c. Exact kinship briefly phrased. No. who sur vived child-hood. Exact kinship briefly phrased. No. who survived child-hood. Full names of those whose initials appear in the preceding column. Common terms of kinship. Initials of the noteworthy. Initials of the noteworthy. Title. Rear. Title. Regr. Title. Regr. 1.S. 10 Toseph Skews Later me fa -Grandfather . T fa fa 3 Janus Chapornan Grandmother fa me me me 2 4 I I Father fa 5 -Thomas asharde Mother 6 me 1 2 JAS fa bro me bro Uncles . . . 9 7 5 8 fa si 10 me si Aunts. . . 2 Jes Jana Chapman 1 Brothers . . 11 600 12 si Sisters . . . 15 me son fa son Half-brothers 13 me da 16 Half-sisters 14 fa da ale stile × 1 bro son 19 si son Nephews . . 17 none bro da 20 si da 2 Nicces . . . 18 your 8.JC Sidey I Chapman 2 me bro so First cousins 21 fa bro son 23 8 Male . . fa si son 24 me si son 22 2 m me bro da First cousins . fa bro da 27 25 Ether hisbel-28 me si da a.s. fa si da Female 26 amie Scatin Wife's brothers and sisters. Maiden name of their mother, your wife. Year of her marriage. Initials of the note worthy. who su vived child-Title. Regr. Initials of the Titles. noteworthy. Sons . . . so Wi bro 29 50 so Wi si da Hu bro Daughters . da 30 da Hu si Est so(2) Wi bro marriage. Sons . . 29(2) 50(2) so(2) Wisi da(2) Hu bro Daughters . 30(2) da(2) da(2) Hu si Signature and Address of the Sender X Sky goughet-There capacity if to berry July by very supid provotion is a og land Form Skous sigues of kourked Veretill guite you

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FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W. 6292

Caleb Burrell Rose, practised as a surgion at 1 fafa Swaffam in Norfolk, later at great yamouth in that county. He was distinguished as a local gestogest , and contributed unde in the years 1835to 1855 toward gesting, especially in regard to Its Brich Carthe of the Nar - of the high he practiculty was the identifier & autority. He was a good paleontriver and naturalist grundly. He was the discoverer of Comunes amiculi, as a hydratid, in 1833 1 "Aondon Indetical Gazette, Nr. 9. 1833]. His work on this and allied subjects attracted considerable scientific ustice, see Cotoold's Entozoa. p. 122 ve. London 1864. He jultiched uninerous geological, Paleoutologial \* Zorbyical pepers, in addition to communications to the medical Journals on medical Subjects. His private geological collection was visited by all who desired to Stady the gestrapy of Norfolk: at his death it was bequeated to the Norwich Unserun where it now runains. He was reputed a good lecturer, and his Lectures, given from occasion to occasion, at the request of scientific friends and of scientific Societies in the East of England, were largely attended. He was a Fellow of the Royal Colleges F. Surgeons. I 13 fa son Edward Rose, dramatic author: a ustice of his work is given in Who's Who' for the amount year. C. S. Shermi tou. 16 grove Park Liverwol.

1.30

July 4.04

BEN RHYDDING

AMarka Melle

F. 31

Dearsi Jan song to have delaged a refs tozan enguing. I havend a meague statement Which is really all I can chroncle athis the limits morected. Thave presuned What the added bara graphy will not be published Sousbaillf

GALTON PAPERS

f. 32 . 5. fa. James Smithells Aman of humble origin who became a distinguished Raclway Thanager and unled probably hence been officed knighthood of he had lived a far year longer. 6. me. Martha Surthells. A woman fremachably string wenter powers Concing Success from her mothers side.

# NOTEWORTHY KINSFOLK OF Prog. a. Smithells, 400.

("WHO'S WHO" contains all that is wanted concerning yourself.)

\*\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

	on terms		t kinshij phrasec		sur-	Initials			ct kinshi ly phrase	d. wł		itials of the	Regr.	Title.	Full names of those whose initials
of ki	nship.	Regr.	Title.	chi	ld-	notewa	orthy.	Řegr.	Title.	C	hild- bood.	oteworthy.			appear in the preceding column.
Grandfi Grandn	ather nother .	1 2	fa fa fa me					3 4	me fa me me		-				
		5 6	fa me		-			11			-		56	fa	James Suithells Martha Snithell
		7 8	fa bro fa si					9 10	me bro me si						
Brother Sisters	· · · ·	11 12	bro si						-		-	_			
Half-br Half-sie		13 14	fa son fa da					15 16	me son me da			-			
	ars	17 18	bro son bro da					19 20	si son si da				1	COLLED	
	ousins , . le , , , ,	21 22	fa bro s fa si si					23 24	me bro me si .	10 C 10			IN ERS,	GALTON PAPERS	
	ousins nale	25 26	fa bro fa si d	1000				27 28	me bro me si s	1000			-	HO	
				No. who sur-		nitials	Melde	n name		ear of	Wife's broth	ers and sisters.			
		Regr.	Title.	vived child- hood.	of t	he note- orthy.	their m	other, yo	our	her rriage.	Titles.	Initials of the noteworthy.			
Ist marriage.	ms	29	50							North B	Wi bro Wi si				
II Di	aughter\$ .	30	da								de Harris				
marn	aughters .	29(2)	so(2)								34(2) Wi bro 54(2) Wi si da(2) Mu=07 42(2) Hu=11				

F.33,

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1.33V

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# NOTEWORTHY KINSFOLK OF D. H. G. Joby, SP. .

("WHO'S WHO" contains all that is wanted concerning yourself.)

F. 34+

\*\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

Common terms	Exac briefly	t kinship phrase	p d. who sa	ar- Initials			ct kins y phra	used. wh	No. to sur-		ds of the	Regr.	Title.	Full names of those whose initials appear in the preceding column.
of kinship.	Regr.	Title.	child	* notew	orthy.	Regr.	Ti	c	hild- bood.	note	eworthy.			E La minute al la
Grandfather Grandmother .	I 2	fa fa fa me		- and		3 4	me j		-	J	<i></i>	1	fala	John Sorty
Father Mother	56	fa me	1-1					-			_			John Sorby Succasful mon of business.
Uncles	7 8	fa bro fa si	82			9 10	me i me i	123000 000	03					
Brothers Sisters	11 12	bro si	00			I I		-	-					
Half-brothers Half-sisters , .	13 14	fa son fa da	0 0		182	15 16	me me	2010	00					
Nephews Nicces	17 18	bro son bro da			2	19 20	si si si d	100000	0					
First cousins . Male	21 22	fa bro fa si s		•		23 24	100000	bro son si son	02					
First cousins Female	25 26	fa bro fa si c	O.			27 28	1.20.2	bro da si da	03					
			No. who sur-	Initials	Maid	en name	of	Year of	Wife's	brother	s and sisters.			
	Regr.	Title.	vived child- hood.	of the note- worthy.		nother, y wife.	our	her marriage.	Tid	les.	Initials of the noteworthy.			
Sons Daughters .	29	50							so Wi so Wi da Hu	ri i				GALTON 6
Daughters .	30	da							da Ha					PAPERS A
Sons Daughters .	29(2)	so(2)							so(2) 1 so(2) 1 da(2) 1	Wi si				
Daughters .	. 30(2)	da(2)			121000				da(2)	Hu si	they itt		132.0.5	1

## ABILITY IN FAMILIES.

By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

The object of the inquiry is to ascertain the frequency with which Ability, as indicated by High Success, is distributed among the members of a family; how far it is sporadic and how far it seems to be hereditary or else traditional. The replies will add to our knowledge of some of the main causes of evolution : one of these is the coefficient of mental heredity, another the inclination or otherwise of persons to mate with their like or unlike, another the fertility of the mentally exceptional in various degrees, including their tendency to be celibate, or to marry early or late.

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F 344

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FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W.

F. 35 r Springel 54, DENBIGH STREET, LONDON, S.W. COLLE July 10 : 1904. GALTON PAPERS Dear Sin , ahant my Noteman they Kinsfelk I find difficult to anower. With every Disperition to comply with your request, Donly can paint to one relative viz. To my uncle hard, my fathers elder brather - an agricultural Chamist, whome biggraphy is published. you will find his name in Brack heur han.

versations Lexithan, 14 : ed., vol. 15, p. 198. The other two much more nativally Sprengels, with . The Batanisto Christian Rowrad and thurt (L. c.) are no re latives of mine. My grandmatter i.e. my father's mather was a very talented, sultured & spirited ald lady yamo very faithfully H. Springel Di Francis Galtan, J. R. J.

F.35V

NOTEWORTHY KINSFOLK OF Sugernor H. Sprengel, JRS.

("WHO'S WHO" contains all that is wanted concerning yourself.)

\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN.

	ion terms	Exac briefly	t kinshij 7 phrase0	A. No who vive	sur-	Initials of		Exac	et kinshi ly phrase	d. wh		ials of the	Regr.	Title.	Full names of those whose initials
of k	inship.	Regr.	Title.	chil	d-	notewo	rthy.	Regr.	Title	c	hild- ood.	teworthy.	negr.		appear in the preceding column.
	father mother .		fa fa fa me					3 4	me fa me me		-		2.10		and Agen
	r r	5	fa me						-		-	I D			
		7 8	fa bro fa si			•		9 10	me bro me si	,		Trail.			
	ers	11 12	bro si								-	-			
Half-b Half-si	rothers . isters	13 14	fa son fa da					15 16	me son me da	680 C.V					
	ws	17 18	bro son bro da					19 20	si son si da						
	cousins	21 22	fa bro s fa si s					23 24	me bro me si	02505			GALT	.c.l	
	cousins male	25 26	fa bro fa si a					27 28	me bro me si			(	GALT PAPE	ONDON	
				No. who sur-	I	nitials	Maide	en name	of X	lear of	Wife's broth	rs and sisters.			
		Regr.	Title.	vived child- hood.	of t W	he note- orthy.	their m	other, yo wife.	OULT	her arriage.	Titles.	Initials of the noteworthy.			
marriage.	Sons	29	50								Wi bro Wi si				
Ist muu	Daughters .	30	da								da Martino- da Hersi			AND AND	
marriage.	Sons	29(2)	so(2)								st (2) Wi bro st (2) Wi si				
and m	Daughters .	30(2)	da(2)		125				120		da(2) 274 oro			1000	

F.36,

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# NOTEWORTHY KINSFOLK OF Prog. E. H. Starling, TRS.

("WHO'S WHO" contains all that is wanted concerning yourself.)

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	non terms	Exac briefly	t kinship phrased	k who su vived	In	tials of the		ct kinship ly phrased.	N who viv	sur-	initials of the	Regr.	Title.	Full names of those whose initials appear in the preceding column.
01 K	inship.	Regr.	Title.	child- hood.	n	steworthy.	Regr.	Title.	chi ho		noteworthy.			white a me beccame commu
	father mother .	1 2	fa fa fa me				3 4	me fa .me me	-	1000		5	fa	mathew Henry Starlen
	* • • • •	5 6	fa me	1-1		H.5.				-	日の	6	me	Elen mulitda Stale
		7 8	fa bro fa si	is have	(ens)		9 10	me bro me si	(11)	5	J.S.W.	10	me si	Junie Sophia Watking
	ers	11 12	bro si	24				<u> </u>		-				
	rothers . isters	13 14	fa son fa da				15 16	me son me da						
	ws	17 18	bro son bro da				19 20	si son si da						
	cousins , . ale , , ,	21 22	fa bro si fa si so				23 24	me bro so me si so						
	male .	25 26	fa bro fa si di	1201 1207 1200			27 28	me bro da me si da		1000		A	COLLEDE	
				No. who sur-	Initials	Mai	den name	of Yea		Wife's bro	thers and sisters.	NERS/	CALTON CAPERS	
		Regr.	Title.		of the not worthy	e- their	mother, y wife.	our he	ar i	Titles.	Initials of the noteworthy.	1 1		
marriage.	ions	29	50					me 19	01	Wi br	,			
Ist mul	Daughters .	30	da			5	ievekin	3		An Martin			Cashing and	
marr	ions		so(2)							4)(2) Wi 4)(2) Wi da(2) Hu	di la			
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f. 37m

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FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W. 6.372

### UNIVERSITY COLLEGE, LONDON.

TELEPHONE NO. 3979 CENTRAL. GOWER STREET, W.C.

5. fa. muthur Henry Starling Club to The Crown Bornbary .... author of "Indian Genul Code" Indian Timitahin Cect". Farmy guns achy Judge of thigh Count. (N.B. Bethe than his record. Was, relatively to his alithy, unmeansful). 6. m. Ellen muhilda Staling. Arhshi - good musicin & singe 10. m si Jemi Sophi Walkins. (unmarried) Very mansful as peratur of Chushing cards almanaco A. Earlier a good teacher & mathematicaen. CAP. GALTON PAPERS

TELEGRAPHIC ADDRESS. STEAD, MIDDLESBRO.

PATTINSON & STEAD. FELLOWS OF THE INSTITUTE OF CHEMISTRY.

ANALYSTS. SAMPLERS, METALLURGISTS, METAL MICROSCOPISTS GAS EXAMINERS.

> J.E. STEAD. BORDUGH ANALYST

Laboratory and Assay Office.

Middlesbrough.

Clengst 8/04

139

Frencis Gallon & D.C.L. S.D. 7.R.S. Dear Sir Parhop for mill be able

BALTON

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I cannot find ampthing which is noteworthy.

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TELEGRAPHIC ADDRESS. STEAD, MIDDLESBRO.

Laboratory and Assay Office.

Middlesbrough.

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> J.E. STEAD, BOROUGH ANALYST.

Francis Gallon Er.

Acces Sis Pardon ete onenight A.T. Stead is my elder broches.

James Ja- trul Alad

P.S. I shall look out "Noting"

## 2 NOTEWORTHY KINSFOLK OF John & Stead, Esq. FRS. ("WHO'S WHO" contains all that is wanted concerning yourself.)

£.41m

\*\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

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F. 42 +

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	on terms		t kinship phrased		sur-	Initials			ct kinship y phrased.	No. who sur- vived		ials of the	Regr.	Title.	Full names of those whose initials
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## ABILITY IN FAMILIES.

By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

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F. 43 5 fa Henry Stebbing. "Foet, preacher and his torian" (see Sict. of National Biography); Siter of The attender, 1828; S.L., 1839, 7. R.S. 1845. 9 mabro billiam griffin Vice- admiral 11 too William Statting Southe first, Deford; lever writer for the Times, which for a shile he evited on behalf of Delane; author of Sir Walter Rolegh, etc. (see held's "Sho). apart for the stringent definition GALTON of Moteworthy' it may be worthy of note that two of my disters enjoy home repute as authoreses, the PAPERS To of my bothers have shown good theiners capacity, and several of my nephers and meces give nomise of sweers in various dreen tions, scientific, legal, artistic. T. R. R. S.

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R. Shinking 6.45 riblout The University of Adelaide. Fa Edward Sterling. 5. Came to South Anstralia during the very Saily years of its foundation. Acquired a position of in the leading mercantice house of the first influence & afflecence A. Because member of the first Legislative Connecil. Decided Commercial ability. Came & South australia me bro. John Jaylor. 9. successful in mercantele in its very Early days; It shiret commercial + some some time Editor of the Thasteral hursuits. literary ability - was for leading henspaper. bro. John Lancelot Studing. 81 President Legislative Council, Knighted. At Combridge Distinguished as an athlete being amation Champion in Hurdle sacing " upresenting Combridge V. Oxford in the Sports. to James archibald Stiling 11 marked financial aptitule. Was for many years (till his death) managing director y a large London financial Concern (Trustee Executors & Matgage Co Windherte, Thread E.C) anna Horence Stuling 30 da Some Sterary ability Jane Winghed Stuling Some musical ability hot remarkable but above the average. Distinct achistic ablit with da Mary addarde Miling da

F. 46r HOTTHO HILL OATE STATION. TELEPHONE 1473 WESTERN 30. Ledbury Road, Y COL Bayswater, GALTON PAPERS London, Mt. July 26, 1905. My dear D- Galton I now enclose my far too much belated return, in which you will see two entries masked with an (?). About there & an uncertain, and if it is Thought necetiary, V will make further

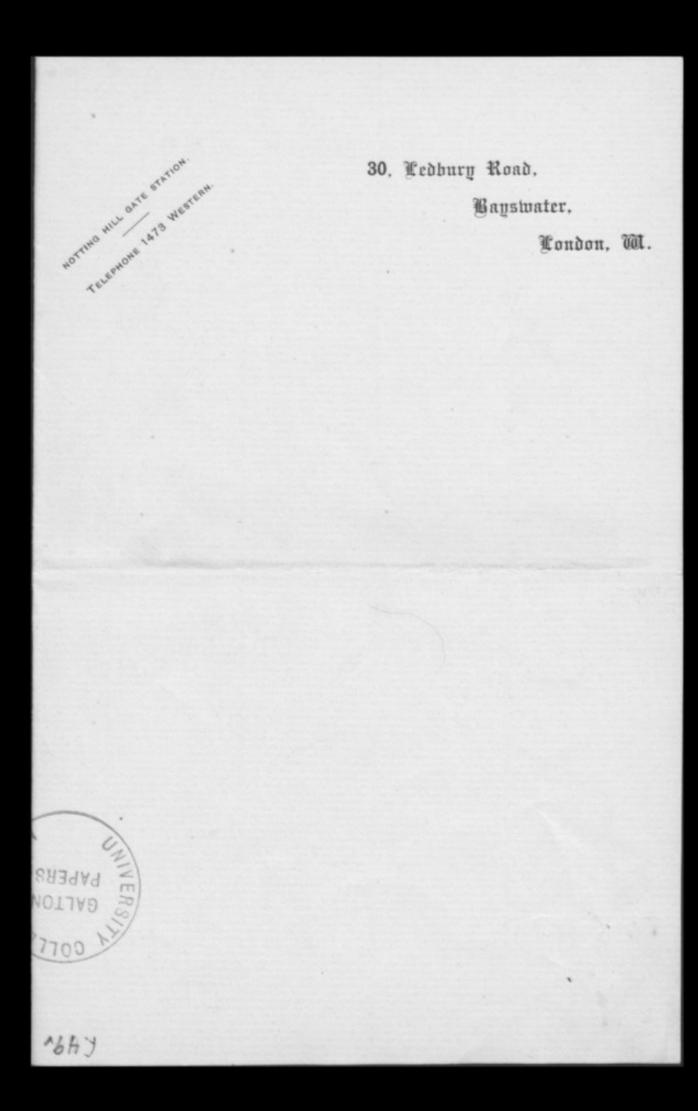
inquiry about them. Sir Budon Blood about whom you atk a my, I my brother, frost contru - my mother replies. He was distinguish m the Chitral Expedition. alto in S. Africa 2020ations. His fatteen Win Budon Blood Carried out some important Enquieering Worker. For some years afterwards he was a Professor of Engeneering. He was the author of tome valuable professional papes. The late Try: Goo Fro? Filygerald

f. 460 .

6.47r did mule valuable Heientifie work, a good deal ful you will find in the Scientific Whitness after late geo. Tra? Fitzferald'Edited by D. Ferrior His eldest Brother Mauria Totyferald & Profestor of Suguesig My brother, Bundon Blood Aloney, is I suppose lefter the most distinguished Engineer in Anland. He was the author of the first of what for many back remained the standard book or Pattice bridger & both here tin america, Is his harbour worke included concrete block work or a scale never before attempted, the blocks weighing 350 or 360 tows early. They alloweded the attention of Engineery

& carried out the work with an economy never before approached Hor you 13 from all quarters. He got the Estelford uedal for them. He Bigshas for long been recognized star the highest authority in sighteland a marine requeery Gerald Storest the last on How the Charton's CB. Thes you we I magine not care to know about other more distant relations - foreneost among whom, from your point of brew, I the be desposed to place the late Francis Aloney g Its wich the inventor gthe Aluices which made it possible

F.48 made it possible to cousting the Attuan Dome (+ gal Attere is an example on the Manier near Richmond); abo inventor of the Schoping & tipping machine Wi made the Manchester Canal practicable, 4. He was great grandom your grandfathers brother too distant a relative, V magine, to come into your Huwey. Nor need I mention other letter lights. Believe me, with kuidett regards & applogioing yorner Very Trily yorner G. Johnstone Honey.



## NOTEWORTHY KINSFOLK OF D. G. Johnstone Stoney, Jp.

("WHO'S WHO" contains all that is wanted concerning yourself.)

\*\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

R.SOr

Con	imon terms kinship.	Exac briefly	et kinship y phrased	A. No. who s vive child	aur- Initials		Exac	ct kinship y phrased	d. whe		itials of the oteworthy.	Regr.	Title.	Full names of those whose initials appear in the preceding column.
	1	Regr.	Title.	hood	d		Regr.	Title.	h	ood.	and the second			anny some instantial and
	adfather admother .	1 2	fa fa fa me	-			3 4	me fa me me	0.9	-		9	me bro	William Bindon Blood Buidon Blood Stoney .7
	ier	5 6	fa me	-				11		-		11		Maurice Fitzerald
Unci	les	7 8	fa bro fa si	34			9 10	me bro me si	21	2 W	1 B B	19	si son	Geo. Francis FitzBull:
	hers	11 12	bro si	1 2	B.B.	s.	11			-		23		n. Gene Sir Bridox Blood .! Gerald Stoney.
	-brothers -sisters	13 14	fa son fa da	100	9		15 16	me son me da	0	15N9		-7		i t
	hews	17 18	bro son bro da	100	The second second	Tarly B	19 20	si son si da	10		F. FG.		Not	2
	t cousins Male	21 22	fa bro s fa si si	7	(?)		23 24	me bro me si s	COM .	4 - 2	B 3B			I am not certain that the numbers
	t cousins Female	25 26	fa bro fa si di	da 11 la 3	[?)		27 28	me bro me si a	000					marked with a note of interrogation,
				No.						Wife's broth	ers and sisters.	A	COLLEON	are correct.
		Regr.	Title.	who sur- vived child- hood,	Initials of the note- worthy.	their m	en name o other, yo wife.	our	ear of her rriage.	Titles.	Initials of the noteworthy.	CC	BALTON SPAPERS	gt -
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Ist mai	Daughters .	30	đa	3			mey	18	363	da Hu bro da Hu si				
marriage.	Sons	29(2)	so(2)	2º						so(2) Wi bro				
2nd m	Daughters .	30(2)	da(2)	2 de						da(2) Hu bri da(2) Hu si				
	Signat	ure as	nd Add	dress of	the Sender	9.	Jou	ust	oue	_ Ator	Leg. Bo	o fe	burg	Road. W.

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FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W.

## NOTEWORTHY KINSFOLK OF B? B. B. Stoney, 429.

("WHO'S WHO" contains all that is wanted concerning yourself.)

F.SIr

\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN.

Common terms	Exa brief	Exact kinship briefly phrased.		sur- ed Initials	of the	Exa briefi	ct kinship ly phrased.	No. who sur- vived	1111	tials of the	Regr.	Title.	Full names of the appear in the pr	ose whose initia
of kinship.	Regr.	Title	chile	d- notew	orthy,	Regr.	Title.	child- hood.	Inc	steworthy.			appear in the pr	Second Committee
Grandfather . Grandmother	. 1	fa fa fa me				3 4	me fa -me me	Ī			the	Y	B	de
Father Mother	· 5 · 6	fa me	-			1.1			100	-	X		to co	3
Uncles Aunts	· 7 . 8	fa bro fa si			Di altan Di altan Martina	9 10	me bro me si				y	1 also	63.	Le co
Brothers Sisters	. 11 . 12	bro si				11			-		ra	da	h.C.	21
Half-brothers Half-sisters .	13 . 14	fa son fa da				15 16	me son me da		001	-98	A	de la	N PC	male
Nephews Nieces	. 17	bro sor bro da				19 20	si son si da	a B B	PAP	0	1	ra ra	Con	Dr.
First cousins . Male , ,	. 21	fa bro fa si s			1- <u>3</u> (1-1)	23 24	me bro so me si sor	2000.00	1		the	de	18 12	1
First cousins . Female .	. 25 . 26	fa bro fa si c				27 28	me bro da me si da	Sec. 201	1 interest		all	3	all	34-
			No. who sur-	Initials	Maid	en name	of Yeau	rof	'e's broth	ers and sisters		the	1 miles	51-
	Regr	Title.	vived child- hood.	of the note- worthy.	their n	wife.	our he marri		litles.	Initials of th noteworthy	in a	m	22	-
Sons	. 29	30							Wi bro Wi si		A	20	4 1	ge
Daughters	. 30	da							Hu bro Hu si		5	. in	600	La
Daughters	. 29(2)	30(2)						30(2	) Wi bro ) Wi si			1		0
Daughters	. 30(2)	da(2)			1				2) Hu bro 2) Hu si	1			1	
Sign	ature a	nd Ad	ldress of	f the Sender										

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## NOTEWORTHY KINSFOLK OF General Sir Richard Strachey, G.C.S.I. FR.S.

("WHO'S WHO" contains all that is wanted concerning yourself.)

6,52×

GALTON

PAPERS

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Common terms		et kinship y phrased.	No. who sur- vived	Initials			et kinship y phrased.	No, who sur- vived		tials of the	Regr.	Title.	Full names of those whose initial
of kinship.	Regr.	Title.	child- hood.	notewo	orthy.	Regr.	Title.	child- hood.	IIC	oteworthy.			appear in the preceding column.
randfather	1	fa fa		H.S.		3	me fa	-	W	老.	1.	Sir	Henry Strachey
randmother .	2	fa me	protog		Satisfies?	4	-me me	-			3.	f: Jeneral	William Kirkpatric
ather	5	fa	-	E.S.		-		-	1.	-	5.	1 A	Edward Strache
lother	6	me	1 Juit VI	Salar 200	100-10-12	100	100	T	1.5%	100000000000000000000000000000000000000	7.		Richard Strache
incles	7 8	fa bro fa si	20 %	H.S.,	R. S.	9 10	me bro me si	2	9.13	s.ß.	10.	m?	Isabella Barbara Buller
Brothers	11	bro	5	2.5., H.S	., E.S.	-	-	-	13.6		11.	Sir	John Strachey
isters	12	si	1	-		70		-			11.	St. Col.	Henry Stracher
lalf-brothers lalf-sisters	13 14	fa son fa da				15 16	me son me da				11.	Sir	Edward Strache
Vephews Vieces	17 18	bro son bro da	9	a.s., g	.s.L.S.	19 20	si son si da	3	1	COLLEGE	17.	Sir	arthur Strache John St. Loe Strac
first cousins Male	21 22	fa bro sos fa si son		Louise a		23 24	me bro son me si son	1	NER8	BALTON PAPERS	21.	24	Charles Buller
first cousins Female	25 26	fa bro di fa si da	. 8			27 28	me bro da me si da	3				Sir	arthur Buller Giles Lytton Strac
		-		Charles and			10,20	1		CALL NO VER	29(2)		giles oggion arm
			No. ho sur-	Initials		n name (		of	s's broth	ers and sisters.	29(2)		Oliver Schacher
	Regr.	1	vived of child- hood.	f the note- worthy.	their me	ther, yo	oar her marria	and the second	itles.	Initials of the noteworthy.	29(2)		James Beaumon Strachey
Sons	29	30	interest and	1	Carol	ine a	une 185	5 10 I	Vi bro Vi si	- Maria	30 (2)	miss	Joan Permel Stra
Daughters .	30	da			Bowl	es	100		lu bro Iu si		30(2)	miss	marjorie Colorles Stracher
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Daughters .	30(2)	da(2)	5	1	grau	Sec. 1	1 Stan	1 da(2	) Hu bro ) Hu si		0.00.	·con	0 8

Signature and Address of the Sender

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By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

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FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W.

£.53 by Lan baster fati GALTON LONDO 6 Oct/04 my dea Gallin I return the 'Slip' you left with a few corrections -I do not know how far it would conform to your system to add to my qualification, Chairman of East - midian Railway from 1889. The E. J. RY. is the most important I hora Railing - and whether post have a propter por . The results have been milesopen - Passent mede can onstruck 1880 1548 610/miller 799 miller 1903 2234 1418 " 2227 " I am not certain that This has not been quite as useful period of my life as any the . NI

Confidential.

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#### DRAFT FOR CONSIDERATION.

Lieut.-General Sir Richard Stracbey, R.E. (retired 1875), G.C.S.L., F.R.S., LL.D. Camb. Sec. Govt. Central Provinces of India during mutiny, 1857-8; Central Provinces of India during mutiny, 1857-8; public-works Sec, to Govt, of India, 1862; legislative member of Gov, Gen.'s Council, 1869-70; Member of Council of India, 1875-89; acting financial member of Gov, Gen.'s Council, 1878; Chairman of Meteor-ological Council from 1878; Chairman of Meteor-land 1888-90; royal medal of Royal Society, 1897. Public cations ----'' Lectures on Geography ''; '' Finances and Public Works of India '' Gointly with his brother, Sir John S.J. various scientific memoirs. John S.); various scientific memoirs.

A GALTON

CHINE! PAPERS

Noteworthy kinsfolk in near degrees, ascending and colleteral,

colleterat. fa fa, Sir Henry Strachey (1736-1810), private sec. to Lord Clive in India; joint under-sec. of state for the Home department, 1782; cr. barenet, 1801; F.S.A.— ["Dict. N. Blog.," Supp. 3, 304.] me fs, Lieut.Gen. Kirkpatrick (1754-1812), orientalist; military sec. to Marquess Wellesley; Resident at Peona; translated Persian works, expert in Oriental tongues and in manners, customs and laws of India.—["Dict. N. Biog.," 11, 222.]

in manners, customs and laws of India.---[" Dict. N. Biog.," 31, 222.] fs. Edward Strachey (1774-1832), chief examiner of correspondence to the India House, the other two being Peacock and James Mill (secretaries" work, writing doupatches, &c.). fs bro, Sir Henry Strachey, Bart. (1772-1858), dis-tinguished Indian civilian, described by James Mill (" Hist. Brit. India," 6, ch. 6) as "the most intelligent of the Company's servants." fs bro, Richard Strachey, Resident at Lucknow and Gwallor.

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Hastings and The Portice War.)

7. 246.] mc si son, Sir Arthur Buller, judge of the Supreme Court, Calcutta.

Notewards, kinafolih in more remote degrees of ancestry, fa fa bro, John Strachoy, Archdeacon of Suffolk, Pre-bendary of Llandaff, preacher at the Rolla, LL-D. Camb., F.S.A. fa fa fa fa fa, John Strachey, F.R.S. (1071-174)), geologist, said to have first suggested theory of stratifi-cation in his work "Observations on Different Strata of Earths and Minerals," 1727.—[" Dict. N. Biog.," Supp. J. So.] 364-]

ses, Giles Lytton Strachey, scholar Trin. Coll., Cam-bridge, Chancellor's medal for English verse, son, Oliver Strachey, Eton scholarship, son, James Beaumont Strachey, scholarship at St. Paul's School.

1

School. da, Joan Persel Strachey, lecturer on old French at Royal Holloway College. da, Marjorie Colvile Strachey, prize offered in 1904 by the British Ambassador in Paris to all undergraduates, male and female, of all colleges in Great Britain for examination in French: scholarship Royal Holloway College in 1904.

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Rough Draft, fir the purpose of putting the genealogy into convencent that To F. Gallon 42 Rutland Cat General Si Richard Stracky, G.C.S.I , FRS. Sw An extract from total who will be interted here. I have not for Note worth, kinsfolk in near degrees, ascendry and collateral Fa Fa. Sir Henry Strachey (1736-1810), Private secretary to Lord Clive in India joint under - secretary of state for the house department, 1782; created barouet 1001, F.S.A. [Dirt. N. Bing Ptuppel III, 364]. me fa. Lient General Kirk (retrick (1754-1812) , orientalist; melitary recedary to Marquis Willesley; Resident at loona ; translated Persian works, expert in Drivertal torques and the manners, customs and laws of India [Dict. N. Biog. XXXI, 222] detall I fa. Edward Strachey Schief examiner of correspondence to the India House, the other two being Peacock & James Moll ( secretaries work, writing despatcher, Jr.) 1774 - 1832. dates 1 Fe bro. Si Henry Shackey Basting distinguished Indian ciontiens, described by Janes Mill as "the content of the Company's Scrouts. HistopBritish India, 1346. ch. 6. 1772-1858. fa bro. Richard Strackey, Resident at Lucknow and Gurlios me si. Isabeda Barbara Buller, lock known in her day as a centre of leterary neference and political society References wantes to dome many ? bro. Si John Strachey, G.C.S.I. Muinent Ludian Stateman, hear. governor of the N.W. Provinces, financial member / Council. 620. Colored Henry Strachey, Thibden Cyplorer, gold medallist of the R. Gogr: Soc 1852. date ( bro . Sis Edward Strachey, Bast - autro of a work in Hebrew politics in the time of Sargou + tithe no sin. Sin arthur Strachey. Chief Justice at allahadad at 39 dud in 1901 at 43. on son John St Loe Strackey, Editor of the Spectator. me the son. Churles Buller (1806 - 1948), distinguished politician, sect in secretary with Lad burken to Caneda 1838, chief Poor Law commissioner [Dict. N. Biog. VII, 246] me the son. Sin arthur Buller, judge of the Supreme court Calcutta Noleworthy kinfolk in more remote degrees, ar above. if encering Fa fa bro. John Strachey, archdeseen / Suffolk, probendary of Llandatt, preacher at the Rolls \_ II.D. Camibe, F.S.A. fa fa fa fa Sohn Straching (1671 - 1743) geologist, said to have first suggested theory of stratification in his work "Houroations on different Strate of Earther and Minerals, 1727 Sar. N. Biog- Smill MI, 3h4. Tro. George Strachey. Charge d'Affaires and Minister Resedent at Dresden (1873-1890) Continued

6.56 Insert after bro Ser Edward Stracheybro. George Strachey, In Secretary of Segation and Phinister at Dresden - 1873-1898. The Se. Jan afraid 9 can't gue a reference; except perhaps , to Carlyle's autobiography in Froude's Life of Carlyle. De gives a very spiteful account of her (more suo), & I cannot remember if he in any way conveys the idea of her having exceptional ability. In the same work Carlyle speaked with admiration and tendernes of fa and me. I did not enter me in the list sent, because it is difficult to give satisfactory proof of the ability of women, which except in have Cases is latent as regards the public. But her sons Consider her to have been decidedly above the average in intellect; she was deeply read in theology and learned Achrew when over 40. bro son. V Sin arthur Strachey son of Sir John Strachey. wi. of Sin) His me was Katharine gave Batten. Fa. George Batter, Principal of Haileyburg John S. College. me"bro son. Sir Trevor J. Chickele Plowden K. C.S. 9. Resident at Kashnier, Hyderaliad, & Baghdad. me "bro son. Sir Henry meredette Plouden " for V Chief Justice of Labore. When Whe Igon Horough her me, amelia Chickele Plowden, she tins 10 th in descent from the famous lawyer of Success Elizabeth's trine, Edmund Plowden, d. 1584; and the The .

F. 57r ( Continued ) bife and her near kirsfolk WL (2) Please indered here. also title of books See menora Sir J. P. Great, G.C. M.G [1807-1893] Indian and Colonial Governor ; ferman Wi fa Levelary to home department of India, Member of Council, governa-general of Certral Provinces - Governa of Jamaica 1866-1873 [Dict. N. Bidg. Suppli iii, 341.] Wi fa fa Sir J. P. Grant (1774-1848), Chief justice of Calcutta [ hat. Biog.] Dercendant Son Giles Lytton Strachey, b 1880 Scholar Trin: Coll: Cambridge, Chancellois K gold medel for Raslich verse " son Oliver Strackey, b. 1874 Iton scholership. A Son James Dernard Strachey, b. 1887 Semi scholarship at St Pauls school. da Joan Pernel Strachey, lecturer on Old French at Royal Holloway College A #? finel da marjorie Colorthe Strachey, Prize offered by the British - ambassada in Paris to all undergraduates, make and fercile, of colleges in Great Britain to examination in French. Royal Holloway College Scholarship - 1904 -" not a jour pringe, but the first Anne any such pringe was offered

F. 591 Jeleghound Blunham MORHANGER PARK, SANDY, BEDS. 29 September 1904 my dear Gallon. At last I return your papers with a Supplementa note by Lady Si I do not 2 COLL think it i possible to improve GALTON on these data - so far as the PAPERS Strachey family is concerned. you pupore investigation are very interesting - but will give great trouble to you in Working Them out -Lady Si keeping up a Very staborate register of all her

kinfolk. I hope it will be continuen to be carned on by Some of her Fucktort. I should say That The merili of Lady S. (Wye 2") at the end of the supplementary note are by me & are the best I can do. Ashe says in one of the previous notes direndellicult to get a purper standard for women's altilities in mist cases. Nehnoe haved our Summer hotiony at this place - about 5 miles from Bedford. The country is given over to Market gardening on a large scale with

attendent adars. Square miles

F. 591

of Calbarer & other vegetables such as I do not think are to be seen elsen here - At all events I have never seen the like-We return to London tomonow. where I hope to Lee you again I keep reasonably well and still able to go on with my regular work Lady S joins in saluty COLLEGE you truly Jun -GALTON PAPERS Retracky Jeouve you undertand that you are at lebert to make what use you think bit of all the information we have Sent you

and 8th in descent from Sir Edmund Plowden Kut Creaded Lord Earl Palatine of new albron, birginia County, 1634. bro son. John S. Loe, son of Sir Edward Strachey His me was mary Isabella Symonds. wig Sur) 21.5: Fa. John Symouds M. D. of Clifton . a well known physician. V bro. John addington Symonds, writer & critic. (nat . B 7 ?) Wife (?."). Jane maria Grant. Generally reputed to be highly intelligent, & with Considerable social gifts. Great literary hnowledge & powers of criticism. Workes. Poets on Poets. Lay Jexts. nursery Lyrics. see Who's Who. Her me was Henrietta Chichele Plowden, sister of Safe authur Strachey's me me ; the Plowden kins . : folk are therefore the same. I that is, Sie John Strachey and Sir Richard Strachey married first Cousins on the mothers' side ]

Lady trackey f. 62 . 69, LANCASTER CATE.W. PAPERS Dear M. Galdon Acrewith your papers fills up. It is hatter difficult to humow the line of noteworthiness, but as a Commission is to set upon the autuens, I frust no hærne will be done by blundering estimate. fou were right about M. grundy She cours from Speed the Plough by J. morton, who lived between 1764 ? and 1838. What a charming bucune fue had at your house the other hight. Jowis very successly Thistrachey gray 10 ...

Secretary to ford Cline "1. Sin Henry Strachey Under Secredary of State for Home department. Created Barouet. In Deet 9 of national Brography. 3. Lieut General William Kirkepatricke. Military Sceretary to me for Ford Wellesley. Resident at Hyderalia fort Wellesley. Resident at Ayderahad. Oriental Scholar. Su Dict of nº Biog. 5. Edward Strachey. Chief Examiner of Correspondence to the Judia House, the other two being Peacoch & James Mill . (Secretary's Work. wating Despatches. ve -) 7. Sin Henry Strachey, Bart. Destinguished Indian Civilian. Der. " Creled by James mill as "the winst of the Company's Screauts." Resident at Luchmow & at Gualion. 7. Richard Strachey. 10. Isabella Barbara Buller. of literary Society. 11. Sir John Strachey. Eminent Indian Statesman. Lient. Governor of the n. H. Provinces . Financial member of Council . G. C. S. J. 11. Colonel Hewry Strachey. Fibehaw Explorer. Received fold medal of R. J. Society 11. Sir Edward Strachey. Bart. Author of a work on Selerew Politics. 17. Sir arthur Strachey. Judge of the Aigh Court at Bouleau at 37 years of age - Chief Justice at allahabad when under 40. died at 13. 17. John St. Loc Strachey. Editor of the Spectator. 21. M. Charles Buller. fa ho son Dettinquished politician. Sent as Secre-. Darry with Dord Durham to Canada. Judge advocate feveral . Chief poor law Commissioner, died at 42. - In Drets of national Biography Judge of the Supreme Court, Calentta 21. Ser arthur Buller. fa one som

29.(2) Giles Lytton Strachey Son (2) (youth) major Scholarship Finity Coll. Cambridge. Chancellos's fold medal for English Verse. 29 (2) Oliver Strachey. Ston Scholarshlp -29 (2) James Beaumout Strachery (youth)" S" Paul's Series Scholarship. 30 (2) Joan Pernel Strachey. Lecturer in Old French at Royal Holloway College. 30(2) marjosie Colvile Strachey (gouth). Pringe, offered by the British da (2) andrassador in Parce to all undergraduade Emale . Jemale, of Colleges in great Bridain, for lest examination a Hench. additional. Fa fa bro. John Strachey. archdeacon of Suffolk Preliendary of Flandaff, Preacher at the Rolls. Id. D. Cantal, F. S. a. notes although my Wife's brothers (5), are clever fellows, they have not risen do particular distinction, but as bearing on one of the points it is desired to elucidate I will mention that her vi fa (Sir J.P. Grant G.C. M.G., K.C.B.) her fa fa, & fa fa fa, are in the Dict of hadional Biography. In like manner my so W. bros. (2) are too going to have gamed distinction but my so. W. fa. is Sie Henry Wylie norman, Field marshall, foreernor of Chelsea Hospital, G.C.B., and S. C. m. G. Whachey

Figst NOTEWORTHY KINSFOLK OF Aubrey Strahan, Esq. #R. ("WHO'S WHO" contains all that is wanted concerning yourself.) \*\*\* WRITE AT FIRST FAINTLY IN FENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN. bro = brother; da = daughter; fa = father; Hu = husband; me = mother; si = sister; so or son = son; Wi = wife. fa bro son means "MY father's brother's son IS"; me da means "MY mother's daughter IS"; so Wi bro means "MY son's wife's brother IS"; &c. Exact kinship briefly phrased. No, who sur vived child-hood. Exact kinship briefly phrased. No, who sur vived child-hood. Full names of those whose initials appear in the preceding column. Initials of the noteworthy. Initials of the noteworthy. Common term of kinship. Regr. Title. Regr. Title. Regr. Title. George Fisher 9.7. me fa 3 Grandfather . 1 fa fa 3 me fa George Strahan Grandmother 2 fa me me me 4 bro 11 to Charles Strahar Father . . . fa 5 6 11 Mother . . . me Ralph Hawtry di en 19 Uncles . . . fa bro 2 me bro 7 9 Herbrit Kynaston Aunts. . . . 8 fa si 10 me si for bes an 21 C. S. 4 g.s. Brothers . . . 11 bro Sisters . . . 12 si i 4 Half-brothers fa son 13 15 me son me da Half-sisters . 14 fa da 16 R.H. Nephews . . . bro son 5 19 si son 1 17 Nieces . . . . 18 bro da 20 si da 4 3 GALTON RAPERS H.K. 3 First cousins. 21 fa bro son 23 me bro sos Male . . . 22 fa si son 24 me si son 6 First cousins . . fa bro da 27 me bro da 25 fa si da 28 me si da Female . 26 Wife's brothers and sisters. Maiden name o their mother, yo wife. Initials of the note worthy. Year of her marriage. who sur vived child-hood. e of Regr. Title. Initials of the noteworthy. Titles. 1886 riage. 1 Roscol so Wi bro Sons . . 29 50 so Wi si da Hu bro Daughters 30 da Hu si Ħ marriage. so(2) Wi bro Sons . . . 29(2) 50(2) 10(2) Wi si da(2) Hu bro Daughters 30(2) da(2) da(2) Hu si puz Aubrey Thahan 12 marlow Road Signature and Address of the Sender London, W.

The object of the inquiry is to ascertain the frequency with which Ability, as indicated by High Success, is distributed among the members of a family; how far it is sporadic and how far it seems to be hereditary or else traditional. The replies will add to our knowledge of some of the main causes of evolution : one of these is the coefficient of mental heredity, another the inclination or otherwise of persons to mate with their like or unlike, another the fertility of the mentally exceptional in various degrees, including their tendency to be celibate, or to marry early or late.

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Noteworthiness.—" Noteworthy " successes are those in any vocation whatever, that in the opinion of the compiler are of a rank not inferior to that which the Fellowship of the Royal Society holds among men of science. The weight ultimately to be assigned to each recorded success must be entrusted to those who will statistically discuss the replies. Minor achievements of persons who are still too young to have achieved any "noteworthy" success deserve record.

As women can rarely display their full abilities, it is necessary to take into account the hereditary significance of the successes of the brothers (and sisters) of all female ancestors. Inquiry is therefore made as to "noteworthiness" in these. To secure equality in statistical treatment, the same course is adopted in respect to the male ancestors also.

For want of space, the forms for the four kinds of great uncle are omitted, namely, *fa fa bro*, *fa me bro*, *me fa bro*, *me me bro*. Similarly as to the great aunts. If any of these should be noteworthy their names may be entered in the third column, preceded by their proper titles. So may grandchildren. Eminent kinsfolk in still more distant degrees can be added in the like way, if thought desirable by the compiler. The noteworthy names should be written successively in the third column in any convenient order. There will be ample space to hold them all. F.650

The number of kinsfolk in each degree who survived childhood is wanted as a clue to the intensity with which ability (as indicated by success) characterises each family.

A separate paragraph on fresh paper should contain the noteworthy facts relating to each person whose name appears in the last column of the schedule. These paragraphs should be written consecutively, and the heading of each should consist of the Register number, the Title, and the full Name of the person to whom it refers, transcribed word for word from the last column of the schedule. Each paragraph should be as brief as may suffice to give a just idea both of the *quality* and of the *grade* of ability in the person referred to. Thus the mention of a high success in one branch will render those of minor ones in the same branch unnecessary, on the principle that the greater includes the less. But if the record of any minor achievements testifies to success in *different* pursuits and therefore to the possession of general ability, they should be included. Also such as may testify to precocity, to slow development, or else to persistence of effort.

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Youth.—All high competitive successes at school, college, or elsewhere, such as the greater exhibitions, scholarships, fellowships, foremost places in University Class lists, or in examinations for appointments of any kind. Only two or three of the more important of these need be given. The captainship of a notable athletic team may deserve record.

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Biographical Notices in standard publications.

By accepting the mere title of F.R.S. as a noteworthy distinction, a body of nearly 500 men is at once determined, to whom these circulars will be sent in the first instance. The Fellows of the Royal Society are, as a class, more likely to be interested in this inquiry than others, their answers are sure to be brief and appropriate, and they are eminently qualified to offer useful suggestions. Such suggestions would be warmly welcomed as the scope of the inquiry will probably be hereafter extended. Moreover, the Fellows of the Royal Society are linked by frequent co-operation and mutual acquaintanceship, which renders it comparatively easy to obtain supplementary information when wanted.

Please address the completed results thus, not omitting a large and very legible S in brackets, in the bottom left-hand corner :

FRANCIS GALTON. 42 Rutland Gate, (S) LONDON, S.W.

a. Straham f.66 me for George Ficher, General R.a. 3 and knighted . Commandant Woohich arsenal . George Thahan - 2" for Pollock tro 11. medal at addiscombe - " Superintendentof the Great Digonometrical Saroy of India . Col. Benjal Sujimuss\_ Charles Strahan - Lient. General 11 bro Benjal Engineers - Late Surry & General of India . Nalph Hawtrey. 18th hrangles 19 di son 10 in huit Service Compet. Exan. 1903. Has entired to Greasing -Herbert Rynaston (formerly Show) - 2.2. 21 fa bro am lat Head master, Cheltenham all. Ref. of greek Surham huivering

<u>Aubrey Strahan</u>, (b.1852), F.R.S., district geologist on the **Geological Survey of England & Wales:** has published Geological **Survey Memoirs on Chester**, Bhyl, Flint, Isle of Purbeck, & Weymouth, South Wales Coal field etc.; % contributiond to scientific journals. (Who's Who)

12 Marbies Roas Londen.

me fa <u>George Fisher</u>, general R.A., & knighted. Commandant of Woolwich Arsenal.

bro <u>George Strahan</u>, <sup>o</sup>nd for Pollock Medal at Addiscombe: late superintendant of the great Trigonometrical Survey of India: c olonel X/Z/ Bengal Engineers.

bro <u>Charles Strahan</u>, Lieutenant-General Bengal Engineers: late Surveyor-General of India.

si son <u>Palph Hawtrey</u>, 18th wrangler: 10th in Civil Service competitive exam, 1903: has entered Treasury.

fa bro son <u>Herbert Kynaston</u>, (b.1835). Camden medallist & Browne medallist, 1855: bracketed senior classic, 1857: fellow of St. John's Coll., Cambridge, 1858: principal of Cheltenham Coll. 1874-88: professor of greek & classical literature, University of Durham, 1889. (Who's Who)



# NOTEWORTHY KINSFOLK OF 4. Guidgen Jeale, Esq., HP. ("WHO'S WHO" contains all that is wanted concerning yourself.)

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file

\*\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

Common terms of kinship.		Exac briefly Regr.	t kinship phrased. Title. No. who sur- vived child- hood.		sur- ed d-	Initials notew		Exac brieff Regr.	y phra	kinship phrased. wi Title.		Initials of the noteworthy.	Regr.	Title.	Full names of those whose initia appear in the preceding column Komas Pudgie I	
Grandfa	ther	I	fa fa		1310-	the sealer	NR. M.S.	3	me fi	a	1	C.	9.	5		J. R. S. des ling
Grandm		2	fa me	1000	- 4	97		4	me n	STATES AND A						Surgeon to the
Father		5	fa			7. 2.	Т.	-	1000		_				9	afinnay at
Mother		6	me	-	-			-		-	-				e''	as a croson no
Uncles		7	fa bro	- ,			TO STR. T	9	me b	no	0 5 5	a to are			a	the guard m
Aunts .		8	fa si	2				10	me si	1200	2					
Brothers	THE OWNER	11	bro	1						07	-	-				aneel.
Sisters		12	n	5				-	-	-	-			3	mother	Father . Ree
Half-bro	thers	13	fa son				190.00	15	me s	0112		- ALL	and the second	0	Ch	anda Ishereer
Half-sist		14	fa da					16	me d	112 m					15	the wranger "
Nephew		17	bro so	, 3				19	si 501	14	4	Q. 8			Fel	low & magh
		18	bro da	3				20	si da		3	9.1.			de	lego Cambrid
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Male		22	fa si s	ion 1				24	me s	i son	1			10	helphan	- Groffrey B
First con	isins	25	fa bro	da 1				27	me bi	ro da	,			69.	dan	ed the D.S.
Fem	alc	26	fa si i	<i>la</i> 2				28	me s	i da					in the	South afric
							1		T						was .	0
		Duran	mul	No. who sar- vived	Initi of the	ials	Maide	n name o	of	Year of her	Wile	e's brothers and sisters.		1000	war	
			Title.	child- hood.		thy.		other, your wife.		narriage.	Titles.		Initials of the noteworthy.			AT OOLLED
Sons		29	50	4			Alice	Jea	6	1862	50 H					PAPERS C
E Dat	ighters .	30	da	4							da H da L					17.8
nauriage.	s	29(2)	so(2)								10(2)	Wi bro Wi si				
u puz	ighters .	30(2)	da(2)									Hu bro Hu si				
	C			1.1	<i>c.u. c</i>			20	. /		6	+ 1		-	; 0	J. 1.
	Signati	tre at	<i>a</i> 21 <i>a</i>	aress of	the S	sender	1.	In	de	cha	Ne	alo	. 381	ook	udge of	. Leeds.

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FRANCIS GALTON. 42 RUTLAND GATE, (S) LONDON, S.W.

J. Priden Teale. 3. mother's father - The Res Charles Isherwood. Fifteenth Erangler. Fellow of magdeleur College Cambridge. - Had a Knowledge of Astronomy, & was said to know ten banque 5. Falker Thomas Midge Jeale. Fellow of the Royal Societ. Distinguished on a Jargeon to the fineral Informary at deeds, Honorary M.D. of the aniserif of Dublin. Crown homenee of the General medical. Council, - a flotogert.

This receiller the for the Tealer 53 2 Porper on the bones of manmoth chipopolacaus formed in the valler of the dire hear Leeds , the wead before the British arrociation in which the was amongst The first to suggest that Juch packy denus had revised the glacial percod 2 were probably coevel arth man, auther of a Tretise on Merria" & "Ampulation les a long La short rectangular flage " worker which be came standard works In Vargery.

J. Predgin Teale. Visteri Son. Licut: 19.-Geoffrey Brierly, R.A. obtained the D.S.O. in the Porth African war,

## NOTEWORTHY KINSFOLK OF J. J. H. Jeall, Esq., 472.5. ("WHO'S WHO" contains all that is wanted concerning yourself.)

£sr

no letter

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Grandfather Grandmother .	I 2	fa fa fa me	11			3 4	me fa •me me		-				No
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First cousins Male	21 22	fa bro si fa si so		-		23	me bro . me si s	son ,	23				60
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			No. who sur-	Initials	Maid	en name	of Ve	ar of	Wife's broth	ers and sisters.			di.
	Regr.	Title.	vived child- hood.	of the note- worthy.	their n	wife.	our }	ner riage.	Titles.	Initials of the noteworthy.			₩°
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FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W. F.5.

# NOTEWORTHY KINSFOLK OF Lieut-General J. F. Jennant, R.F., CI.E. FR. ("WHO'S WHO" contains all that is wanted concerning yourself.) Kurdly send further particulars ""WRITE AT FIRST FAINTLY IN FENCH; CORRECT LEISURKLY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

F.61

Common terms of kinship.	Exact kinsh briefly phras		No.	ur- Initials		Exac	et kinship y phrased	phrased. wh			Initials of the	Regr.	Title.	Full names of those whose initials
	Regr.	Title.	child	- notew	orthy.	Regr.	Title.	child		no	teworthy.			appear in the preceding column.
Grandfather Grandmother .	1 2	fa fa fa me	-			3 4	me fa me me							
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Uncles Aunts	7 8	fa bro fa si				9 10	me bro me si							
Brothers Sisters	11 12	bro si					-		11					
Half-brothers Half-sisters	13 14	fa son fa da				15 16	me son me da							HAPERS C
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Daughters	30(2)	da(2)	3			1	3			Hu si			New Se	

## ABILITY IN FAMILIES.

By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

The object of the inquiry is to ascertain the frequency with which Ability, as indicated by High Success, is distributed among the members of a family; how far it is sporadic and how far it seems to be hereditary or else traditional. The replies will add to our knowledge of some of the main causes of evolution : one of these is the coefficient of mental heredity, another the inclination or otherwise of persons to mate with their like or unlike, another the fertility of the mentally exceptional in various degrees, including their tendency to be celibate, or to marry early or late.

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F.Gv

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FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W.

Kew, May 20, 04 Near W Gallon , I setur you gove forme which I have some my best to fill at in my own family hilder into i an abrence 2 Argh Sacces: Then is a centrain amout y able za lower Shandand. The particulars I Enclose with not m protate of any and for your parfore. Sha I feel some little withest in Future Them together. I had never in fact considered the facting my own "on togen .

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My En was Thomas Firminger, K.d. 2. Ion o a kentish goman ( shall land owner ). It was a mathematician and astronomos. It was for fourteen years Prinstant Americant at Gesenwich Attendary ander S Markelyn the Testimoner Royal . The University & Attacen gave hun the Sugar - L.L.D. in consistantion this suite distantion .

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6.12r

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FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W.

F.131 Thurther TUDOR HOUSE, RICHMOND GREEN, SURREY. 4" august /or Deur her faller. Aron a gladz picup from topsace In ability families Allow lod it ane fairs puysled, + I am abolos & Kurn har I Cover paint to any approad to abiliz in hey foring , do with difficuer I Mente abech to to aldure for that they

£.13V Martin and a state Only have sheer ricen places that Shareber musble to Separ to the call made in Ini- Low enly as for furnin sut anto Dedia inthe good old Company Lucie, + faronaby supleyer inthe apacit of a Sugurer alter hear of the great Indea Lusvey windbuch Caput Suy slack leur Mo Reyol. Inquiers, Suc = creded us, raltour have holling bol freed

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## NOTEWORTHY KINSFOLK OF Richard Threlfoll

("WHO'S WHO" contains all that is wanted concerning yourself.)

F. 15r

\*\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

Common terms of kinship.	Exa brieff Regr.	et kinship y phrased Title.	No. who su vived child- hood.	notewo		Exa brieff Regr.	ct kinship y phrased. Title,	No. who sur- vived child- hood.		ials of the , teworthy.	Regr.	Title.	Eull names of those whose initials appear in the preceding column.	
Grandfather . Grandmother .	1 2	fa fa fa me				3 4	me fa -me me		J.	m	563	me	Richard Threlfoll Sarah Jane Threlfoll Joseph meson	
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Brothers Sisters	11	bro si	21				-							
Half-brothers Half-sisters .	13 14	fa son fa da				15 16	me son me da				IVE	GALTON PARTON		
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FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W. FILSV

Ø

5. J.a. Richard Threeford. Business atility - made over \$70° as merchant quest aplitude as an architect

f.16

6. Me. Sarah Jone Threlfoll. Natural aftete de for arithmetecal calculations could handle afte foire figures mentally: very methodical & managed a considerable estate without making a mistate for this years, unwinsally consulted by all relations on any question of poticy.

3. me. fa. Joseph mason. Business ability made large fortune as merchant Specially. alteration to detail - beft him we spare time, vicy kind & playful source at 70 years of age F. F. Bros. Son. John mayor Threelan. Very successful in formiding a large Fa. Fa. Fa fa. 600. Fabro. Without reaching the standard set were all (1) very musical (2) Four y wechnied montion in small matters. (3). successful in business

X W. Si Smily Constance Cook, Some litering success as an , X Wisi Doubles Bario some success as on actress.

"actually her up the standard required,

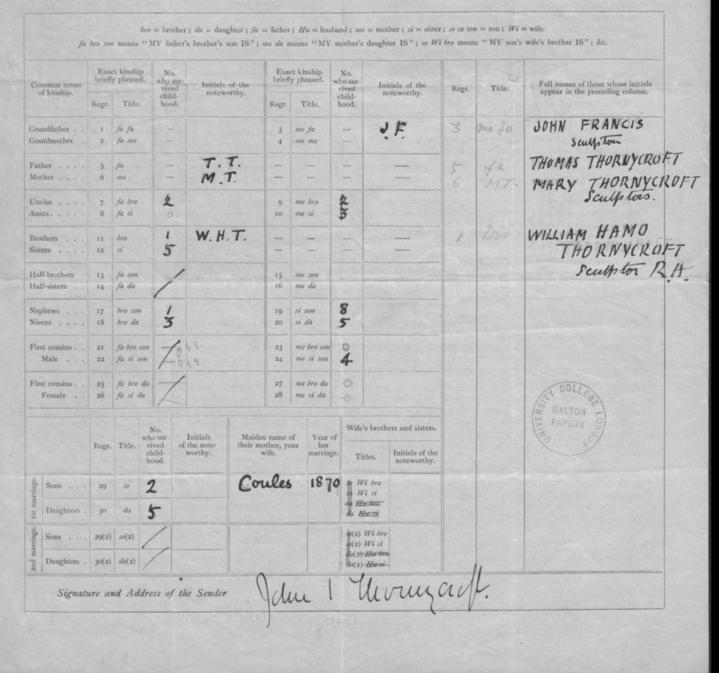
×

## NOTEWORTHY KINSFOLK OF JOHN . 1 . THORNYCROFT.

Sir

("WHO'S WHO" contains all that is wanted concerning yourself.)

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FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W. F. 174

Syd- Villa, Chicarick, Middlever,

Sir John Isaac Thornycroft ,(b.1843),LL.D., F.R.S., vice-president of Inst. of Naval Architecture, etc. founded ship-building works at Chiswick,1866: introduced improvements in naval architecture & marine engineering, which have promoted the developement of high speeds at sea. (Who's Who)

me fa <u>John Francis</u>, (1780-1861), sculptor, pupil of Chantrey: exhibited at the Royal Academy, 1820-56: works include busts of Miss Horatio Nelson, Queen Victoria, Prince Albert, & the Duke of Wellington. (Dict.N.Biog.) fa <u>Thomas Thornycroft</u>, (1815-1885), sculptor: executed the group of Commerce on the Albert Memorial, & other statues. (Dict.N.Biog.)

me <u>Mary Thornycroft</u>, (1814-1895) sculptor: (Dict.N.Biog.) bro <u>William Hamo Thornycroft</u>, R.A. (b.1850) sculptor: his works include national monument to Gen. Gordon in Trafalgar Square & in Melbourne: John Bright in Rochdale: Lord Granville in House of Parliament, & very many others. (Who's Who)



## NOTEWORTHY KINSFOLK OF Fig. w.a. Jilden, yrs.

Note

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Common terms of kinship.	Exa brief	ct kinship ly phrased.	No. who sur- vived	Initials o notewo		Exa	ct kinship y phrased.	No. who sur- vived		nitials of the noteworthy.	Regr.	Title.	Full names of those whose initials appear in the preceding column.	
or knowly	Regr.	Title.	child- hood.			Regr.	Title.	child- hood.						
Grandfather Grandmother .	1 2	fa fa fa me				3 4	me fa •me me	1.1	A	·.B.			HEnry Balls	
Father Mother	5 6	fa me		А.	T.		-			_			Ann Tilden	
Uncles	7 8	fa bro fa si	65			9 10	me bro me si	33	C.	<i>.B.</i>			Charles Balls	
Brothers Sisters	11 12	bro si	10					1 1						
Half-brothers	13 14	fa son fa da	00			15 16	me son me da	00						
Nephews Nieces	17 18	bro son bro da	302			19 20	si son si da	00					AT COLLA	
First cousins Male	21 22	fa bro son fa si son	20	ine se per		23 24	me bro soi me si son	11					GALTON C	
First cousins Female	25 26	fa bro da fa si da	1/4			27 28	me bro da me si da	12					Roc Noc	
			No.	Initials	Maide	n name	of Year		's brothers and sisters.		-			
	Regr. Title. who sur- vived child- hood.			the note- worthy.	their m	other, y	our he marri	r		Initials of the noteworthy.				
Sons	29	29 50 /		AT	Char	the	2	10 H	Vi bro Vi si Imbro				Philip Armshory Julde	
2 Daughters	. 30	da 🕻	0			Bu	sh	da d	General.					
Sons Daughters	. 29(2							10(2) da(2)	Wi bro Wi si Ha bro					
H	1		ess of th	e Sender	the	1.	~	A	Jin	Xen		The	Oaks Northwood Hidd Y.	

f. 19,

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FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W. F.19.

## NOTEWORTHY KINSFOLK OF C. S. Jomes, Esq., JP.S.

("WHO'S WHO" contains all that is wanted concerning yourself.)

f. 201

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		Regr.	Title.	child-	notewo	noteworthy.		Title.	chi	ild- od.	leworthy.	repr.		appear in the preceding column.			
Grandfat Grandmo		1 2	fa fa fa me	-	2.5		3 4	me fa me me		-				John Tomes			
Father		5 6	fa me		2.2				0.000		_			John Tomes			
Uncles Aunts.		7 8	fa bro fa si	2	R.7.	T	9 10	me bro me si	4	4 9	, <i>S</i>			Robert- hister Tom. Stage Sibley			
Brothers		11 12	bro si							- 1				0			
Ialf-brot Ialf-siste	thers	13 14	fa son fa da				15 16	me son me da									
	s 	17 18	bro son bro da				19 20	si son si da									
First cou Male	isins	21 22	fa bro s fa si si				23 24	me bro s me si si									
First cousins Female	25 fa bro da 26 fa si da		100 B 100			27 28	me bro a me si di						COLLER Guine				
				No. who sur-	Initials	Links Mark		of Ve	ar of	Wife's brothe	fe's brothers and sisters.			PAPERS LOW			
		Regr. Title.		vived child- hood.	of the note- worthy.	their n	en name nother, y wife.	our h	ier riage.	Titles.	Initials of the noteworthy.			HO			
Son Dav	15	29	50							so Wi bro so Wi si da Hu bro							
B Dau	aghters .	30	da	/						da Hu si							
Son Day	15	29(2)	so(2)							so(2) Wi bro so(2) Wi si da(2) Hu bro							
Dat Dat	aghters .	30(2)	da(2)							da(2) Hu si			1974 - 19 1974 - 19	1			

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FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W. f.200

Charles Sissmore Tomes, (b.1846), F.R.S., F.R.C.S., consulting dental surgeon: lecturer on dental anatomy at Dental Hosp. Of London: Privy Council nominee on General Medical Council, 1898, etc.: author of papers on odontology in Phil. Trans, Le & of "A Manual of Dental Anatomy, Human & Comparative". 6 chiline from (all A Manual & Serma (Who's Who)

9 Park Grescenter. W.

## F.R.S, FRCS.

fa Sir John Tomes, (1815-1895), dental surgeon: invented dental forceps & studied histology of bone & teeth: delivered lectures at Middlesex Hosp. which marked new era in dentistry: induced Royal Coll. of Surgeons to grant licence in dental surgery: one of the chief founders of the odontological Soc., 1856, & of the Dental Hosp., 1858: secured passing of Dentists Act, 1878:wrote wellknown treatise on "Dental Surgery" & other works. Dict.N.Biog.) 1824 - 1904 fa bro Robert Fisher Tomes, authority on Insectivora & Chiroptera: edited Bell's British Quadrupeds: has written 405 te natural history sections for his own and neighbouring di de county histories: has done much work on geology of Lias & Oblie especially corals: made fine collection, of British birds, Small In and & anal, K. J. Latta birds of longe sure & British was long chairman of Board of guardians, & of Highway Board: an active & influential magistrate. me bro George Sibley, C.E.I., without influence went out to India as a civil engineer: rose to be chief engineer of

East Indian Rail, & did much important work in bridge building:

Palomae poujather. John vomes. hun in some dnibt hetter to return this han in some dnibt dis advan to com as an eter as have. Placed in dis advan to com as an eter as is a unote comity place, and with al neighton of Shurdan altire, samed a creat agreating it philospy, Jamilia with when of Hamilton The shere is and was a very scholars The of many had wrote withing his self. 5 Jacke Sigohn Jomes. J.R.S. Sas an early un con which and oblamed bellowship of R. S for researche on othe, den time and companative his botogs of teett. His " Sental Jungay" was the find sam tipe the time on the subject & stall, you uneran editions, mantains its place Took an a dus hard i for sty the very are o his hufenia, was cheefy in strue entre i reand han ace of dentists and 1878 of was knighted a way where services Palemae huche. Robal Isha Tomes. Se versatile man of really near white the whild have made have have hed he wil shread his surgies was so may subject. Was an anth and a disectiona a churpter a year ago but has und light the Why later Bell's mark & acompeter, & ha witten natural histor sections for his air & wille dun of Birtish Birds. Has made fine works a palente logy of dias, ape wing come bar long channan of Board of franchian and of Highway Board and is an active & is then trace Com 5 ma cintrate. I haltenal hade finge I bleg, the CEI. bill and influence want me to he dis as curl ingineer, Pose to a cheef have of Lash Indian Rail, and did made and work In bidge building, Vaconing wateral appiante Thid necked nignality of denges da

Fiz3r GALTON Anibersity of Aberdeen. 26th may 1904 Dear Sir, I have filled in the accom panying schedule & additional sheets in so far as I could to give the informa tion that seemed to me likely to be useful for the objects sought; but I fear I may not have hit the standard in some re pects. I find it very difficult to estimate

F.23v ability; & success as measured by attain ment so often depends on fortunate environment that I am inclined to question its versict applied to my personal acquaintances, including the many students that I have known while an undergrösduate & during 27 years as a professor here. Perseverance & self-denial are more

F. 24. likely to lead to success than ability apart from them. As to the standard I have included some that you will probably strike out, as I thought you would rather do that they have even one omitted that should be in my own estimate of the stock I come from would be rather above medium, The grade attained depending on the amount of determination & of self de mal to secure the labour that will gain success. I suppose that corresponds

F. 24v pretty much with the average intelle that with labour it will usually suc ceed more or less & without babour it must fail. If there is any other point on which information is wished from me I will be glad to know + to send it. I am yours sincerely James W. H. Irail Francis Gatton, Esq., F.R.S.

Relatives of more K.E. Irail Cost we there 31, Me fa David Macbeth Move, M.D., Physician in Musselburgh. Scottish poet + novelist; Wrote on poetry + also on medical subject See Biographical notices in standard dictionaries. Welliam Milligan, D.D., Entered the church of Scotland. 32 Wifa From 1860 to 1893 was Professor of Biblical Criticism in the Univer -sity of Aberdeen, Moderator of the church of Scotland. For several years chief clerk to the General Assembly of the Church of Scotland A leader in educational matters in Aberdeen & in the administration of the Univ. of Aberdeen. One of the Revisers of the translation of the New Jestament. Author of memerous books & articles on Bil -lical Criticism 33. In. George Milligan, D.D. Clergyman in Church of Scotland, Has written several theological works David Macheth Moir Milligan Head of a large legal firm in Aberdy Wi. bro. Jakes an active part in public undertakings in Aberdeen. Wi. bro William Milligan M.D. a specialist in ear & throat diseas in Manchester Oswald Milligan MA., B.D. Distinguished himself as a student Wi. bro in the University of Edinburgh. Is probably the ablest of the family. There are two other brothers of fair ability, + 4 sisters; i.e. the family consists of 6 sons + 5 daughters, all of whom are alive.

James W. H. Iracl

5 fa Samuel Trail, gained the scholarship (Hutton) awarded to the most distinging graduate in Anto in the University of Old Aberdeen (King's College) in 1825. Entered the Established church of Scotland. Received the Honorary Degrees of LL. 9. + 9. D. In 1867 gained by competitive examination the professorship of Systematic Theology in the University of Aberdeen, In 1874 was moderator of the Church of Scotland, - regarded as the highest honour in that church 9. me bro. Hercules Scott, LL.D. Professor of moral Philosophy in the University in Old Aberdeen from 1820 to 1860. Is said to have taken a large part in the administration of the University my, me bro. John Scott, m.D. a successful physician for a number of years in surrey. Died nearly fifty years ago. 11, bro. John Arbithmott Trail, LL.D. Writer to the signet in Eding Has taken part in administrative work connected with the University of Edinburgh, the Church of Scotland & other public body as chairman of committees, wincle as inithe legal profession. 24, me si son, Daved Brown, General on retired list. Was commissioner in command in Lower Burmah. As far as I can judge, my ancestors on both sides have possessed ability of sufficient to secure relative success, when accompanied by perse. varance, but among their relatives have been failures through lack of James W. H. Irach

of perseverance. A few of my ancestors on both sides find a place in biographical notices. The church of the army are the professions usually followed by them, with medicine & professor -ships among collaterals.

A love of Matural Science has not been conspicuous among them, so I cannot trace clearly my love for such stidies; but from my earliest recollections goology had a fascination for me. An interest in Botany came later, rather as a consequence of the other taste. My mother always impressed me as possessing more ability than my father, and her counsels & encouragement evere of much value tom. She was fond of pet animals & had an unusual forver of taming them She was fond of pet animals & had an unusual forver of taming them perhaps I should add that the brother of my father next to him in age was one of the most successful practitioners of Medicine in the county of Aberbeen, & that of his two sons one took the degree of M. A. & M. B. in the University of Merdeen with honouradle while the other gained the first place in a large competitive while the other gained the first place in a large competitive examination for scholarships in the University.

of my children none has as yet shown any special taste for Matural Science. My son (William S. Trail) entered Sandhurst in January, with the wish to enter the Indian comy. He has as yet distinquished himself more by athletics than by mental ability.

James W. H. Irail

F.27 2

. Old Aberdeen 11th may 1905 Dear Sir, Herewith I return, as wished, the slip sent to me, correct as far as I can make it. 2 am GALTON PAPERS yours smarely James W. H. Frail Edgar Schuster, Esq. M.A.

		•.• v	VRITE A	T FIRST F							nted concerning			SATISFIED, INK IN.
	fa	bro son									other ; <i>si</i> = sister hter IS"; <i>so Wi</i>			= wife. 1 wife's brother IS"; &c.
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and marriage.	Sons Daughters .		so(2)							so(2) Wi b so(2) Wi s da(2) Hu da(2) Hu	i bro			P HOL

F. 29.

### ABILITY IN FAMILIES.

By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

The object of the inquiry is to ascertain the frequency with which Ability, as indicated by High Success, is distributed among the members of a family; how far it is sporadic and how far it seems to be hereditary or else traditional. The replies will add to our knowledge of some of the main causes of evolution : one of these is the coefficient of mental heredity, another the inclination or otherwise of persons to mate with their like or unlike, another the fertility of the mentally exceptional in various degrees, including their tendency to be celibate, or to marry early or late.

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As women can rarely display their full abilities, it is necessary to take into account the hereditary significance of the successes of the brothers (and sisters) of all female ancestors. Inquiry is therefore made as to "noteworthiness" in these. To secure equality in statistical treatment, the same course is adopted in respect to the male ancestors also.

For want of space, the forms for the four kinds of great uncle are omitted, namely, *fa fa bro, fa me bro, me fa bro, me me bro.* Similarly as to the great aunts. If any of these should be noteworthy their names may be entered in the third column, preceded by their proper titles. So may grandchildren. Eminent kinsfolk in still more distant degrees can be added in the like way, if thought desirable by the compiler. The noteworthy names should be written successively in the third column in any convenient order. There will be ample space to hold them all.

The number of kinsfolk in each degree who survived childhood is wanted as a clue to the intensity with which ability (as indicated by success) characterises each family.

A separate paragraph on fresh paper should contain the noteworthy facts relating to each person whose name appears in the last column of the schedule. These paragraphs should be written consecutively, and the heading of each should consist of the Register number, the Title, and the full Name of the person to whom it refers, transcribed word for word from the last column of the schedule. Each paragraph should be as brief as may suffice to give a just idea both of the *quality* and of the *grade* of ability in the person referred to. Thus the mention of a high success in one branch will render those of minor ones in the same branch unnecessary, on the principle that the greater includes the less. But if the record of any minor achievements 'testifies to success in *different* pursuits and therefore to the possession of general ability, they should be included. Also such as may testify to precocity, to slow development, or else to persistence of effort.

The following imperfect list of successes may possibly be useful in suggesting what might otherwise have been overlooked.

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Please address the completed results thus, not omitting a large and very legible S in brackets, in the bottom left-hand corner :

FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W. James William Helenus Trail, (b.1851), F.R.S., regius professor of botany, University of Aberdeen since 1877: travelled in N.Brazil as naturalist of an exploring expedition, 1873-5: Thas published numerous papers on botanical & zoological subjects in scientific journals. (Who's Who) Has been largely sculfied in the administrative work of the University (in Court + Semate, Jean Science Faculty, Amater of Elerary) \* of other Educational Lodies in Scotland.

Uniqueity of Akend cen

f. 30

fr. Samuel Juik, LL.D., D.D., (both hon.). obtained Hutton scholarship in Aberdeen as most distinguished graduate of his year, 1825: professor of systematic theology, University of Aberdeen, 1867: moderator of the Church of Scotland, 1874. KMANNA me bro Hercules. Scott, LL.D., professor of moral philosophy in the University, of Old Aberdeen, 1820-1860: said to have taken a large part in the administration of the university.

bro John Arbultand Jrail LL.D., writer to the signet in Edinburgh: has taken a prominent part in administrative work connected with the University of Edinburgh, the Church of Scotland & other public bodies. me si son <u>David Brown</u>, general on retired list: formerly commissioner in command of lower Burmak. NOTEWORTHY KINSFOLK OF Roland Frimen, Esq., FRA.

("WHO'S WHO" contains all that is wanted concerning yourself.)

\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY ! WHEN SATISFIED, INK IN.

Common terms		n kinship y phrased		1 Intrints			ict kins ly phra	used. wi		itials of the	Regr.	Title.	Full names of those whose initials
of kinship.	Regr.	Title.	child hood	notew	orthy.	Regr.	Tit		child- n	oleworthy.			appear in the preceding column.
Grandfather Grandmother .	,I 2	fa fa fa me	-			3 4	me j		-				
Father Mother	5 6	fa me	1-1			11	-		-	=			
Uncles Aunts	7 8	ja bro ja si				9 10	me l me s						
Brothers Sisters	11 12	bro si		74. 7			1		-				Henry Trimen .
Half-brothers Half-sisters	13 14	fa son fa da				15 16	me s me o	State of the state					
Nephews Nieces	17 18	bro son bro da				19 20	si so si de						
First cousins Male	21 22	fa bro si fa si so				23 24	1. 1. 1.	ro son i son					CALLO COLLED
First cousins Female	25 26	fa bro fa si da				27 28		ro da i da					AINA PAPERS LON
			No. who sur-	Initials	Maide	en name v	1	Vear of	Wife's broth	ers and sisters.			
	Regr.	Title.		of the note- worthy.	their m	other, yo wife.	our	her narriage.	Titles.	Initials of the noteworthy.			
Sons Daughters .	29	50							so Wi bro so Wi si				
	30	da							da Hu bro da Hu si				
Sons Daughters .	29(2)	so(2)							so(2) Wi bro so(2) Wi si				
Daughters .	30(2)	da(2)							da(2) Hu bri da(2) Hu si				

Fizir

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6.714

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FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W.

6320 From Roland Trumm, M. A., F. R.S. 11. bro. Kenny Trimen UL. B. Lond (honours); 7. R.S. Bon, Oct. 1843. Drid, Oct. 1896. Botanist of distinction. Puncipal Amitant, Department of Botany, British Museum, for 10 years. Director of Botanical Gardens, Beylon, for 16 years. Jourt Editor of the Journal of Botany" (with D. Seemen), and afterwards whe Editor Til his departure for Beylon - 1880. Joint Author of the Flora of Meddlesex " ( with Prof. - now Sin W. T. Theselton - Dyer); and of

F.32V "Medicinal Plants" (with Prof. Bentley) Auther of A Mandbook to the Flora of Beylon ." - Three vols. published i his life time; and the two remaining vols. (party pupared) edited and completed after his decease by Su J. D. Nooher. Author of munerous papers ad memories a botanical subjects ( an Royal Tomety's Batalogue). Biographical (Obstury) Notice in Proceedings of Royal Sourt, 1902. R.J.

### NOTEWORTHY KINSFOLK OF Grog. F. J. Jaoulon, FRA.

no lellar

f. 33r

("WHO'S WHO" contains all that is wanted concerning yourself.)

\*\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

	on terms	Exac briefly	t kinship y phrased.	No. who su vived	Initials		Exa briefi	ct kins ly phra	sed. wł	No. no sur- ived		uls of the	Regr.	Title.	Full names of those whose initials appear in the preceding column.
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		5	fa me					1.12				-			E Burker Formaled larde 1. Burker Superting Uniness to U.S.A. a Com WWW will Cap. och million St.
	••••	7 8	fa bro fa si				9 10	me b me si		E.	.B.	J. B.			milline 24.
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	rs	17 18	bro son bro da				19 20	si soi si da	20 Mar 199						
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	ousins nale	25 26	fa bro di fa si da				27 28	me bi me s							NA TRACING NO
				No.	Initials		n name		Year of	Wife's t	orother	s and sisters.			
		Regr.	Title.	ho sur- vived child- hood.	of the note- worthy.	their m	other, ye wife.	our	her her	Title		Initials of the noteworthy.			
so So	xus	29	50								si				
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marri	aughters .		so(2)							se(2) W se(2) W de(2) ₩ de(2) ₩	'i si <del>u bro</del>				

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FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W. £334

## NOTEWORTHY KINSFOLK OF Crog. H. H. Yurner, JPA.

("WHO'S WHO" contains all that is wanted concerning yourself.)

F. 34 +

\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN.

Common terms	Exac briefly	t kinshi y phrase	p No. d. who s vive	ur- Initials			t kinshij phrase	d. wh	No. 10 sur- ived	Initials of the	Regr.	Title.	Full names of those whose initials appear in the preceding column.
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Grandfather Grandmother .	1 2	fa fa fa me				3 4	me fa me me		L'I				ALL COLLED
Father Mother	5 6	fa me					11	N MA	L.C.	=			Noother
Uncles Aunts	7 8	fa bro fa si	1	5		9 10	me bro me si		3 5				14
Brothers Sisters	11 12	bro si	2			1 1	11			=			fear we cannot claim
Half-brothers Half-sisters	13 14	fa son fa da		0 4 4		15 16	me son me da		(	and a series			aug distinctions. My father was a
Nephews Nieces	17 18	bro son bro da	3	} children s f one brother	till marine	19 20	si son si da		-	eldren otill sister marrie	,	Eus	struggling artict of gro thus i asm, but moder
First cousins Male	21 22	fa bro fa si s				23 24	me bro me si	1000	25			7	ents; my mother a w considerable business at she shewed when the
First cousins Female	25 26	fa bro fa si d	1000 million 100 million 1			27 28	me bro me si		38			me	and of livelihood grad iled. With a better s
	Regr.	Title.	No. who sur- vived child-	Initials of the note- worthy,	their m	n name o other, yo	ur	ear of her uriage.		brothers and sisters.		son be	we of us might ha come "distinguished t in us case steep
Sons	29	10	hood.		aene	Mare	aret		50 Wi 50 Wi	bro M	6	eu	y own was any cousid
Daughters .	30	da	1 sta	ti a child	Aque 1	why	te "	8999	da Hu da Hu		6		
Sons Daughters .	100	so(2)							10(2) W 10(2) W da(2) H da(2) H	li si Iu bro			

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FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W. F. 34 V.

f.35r MUSEUM HOUSE. OXFORD. July 8 04 Dear Gallon I really have no kinsfeld noterouthy in your dhich dense. My brother alfred had too much busines on hand of he could have been well on your list.

Any little areen Our family may have had I am inclined to trace from Quaker ancestry, avordance of the could leaving room for melletul Dursuls P An dey lif DISTICA

# NOTEWORTHY KINSFOLK OF Sug. E. B. Jyloz, 400.

("WHO'S WHO" contains all that is wanted concerning yourself.)

\*.\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN.

Common 1		Exac briefly	t kinshi phrase	d. who	o. sur-	Initials		Exa brief	ct kins ly phra	sed. wi		itials of the	Regr.	Title.	Full names of those whose initial
of kinsh	nip.	Regr.	Title.	chi	ld-	notew	orthy,	Regr.	Tit	(	hild- bood.	oteworthy.	NGE1.	a nue.	appear in the preceding column.
Grandfath Grandmotl		1 2	fa fa fa me					3 4	me f		4				
Father . Mother .		5 6	fa me	-	-					-	-	_			
Uncles . Aunts		7 8	fa bro fa si					9 10	me b me s						1.1
Brothers Sisters .		11 12	bro si						-	-		_			
Half-broth Half-sister		13 14	fa son fa da					15 16	me s me d	and the second second					
Nephews Nieces ,		17 18	bro son bro da					19 20	si so si da						
First cousi Male		21 22	fa bro : fa si s					23 24		ro son i son					SITY DON
First cousi Female		25 26	fa bro fa si a	700.00				27 28	me b me s	ro da i da					SAINO STATION
				No. who sur-		Initials		en name -		Year of	Wife's broth	ers and sisters.			NOOT
		Regr.	Title.	vived child- hood.		the note- worthy.		iother, yo wife.	our	her narriage.	Titles.	Initials of the noteworthy.			
Sons Daug		29	50		1500						Wi bro Wi si	~			
	phters .	30	da								da Harten da Harte				
marr		29(2) 30(2)									lo(2) Wi bro so(2) Wi si da(2) Huedon da(2) Huest				

6361

### ABILITY IN FAMILIES.

By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

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FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W. F.36V

### NOTEWORTHY KINSFOLK OF D! V. H. Veley, 71.

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6.10

	mon terms		t kinshi / phrase		sur-	Initials			ct kin y phr		No, who sur- vived		ials of the	Regr.	Title.	Full names of those whose initials appear in the preceding column.
ol	kinship.	Regr.	Title	chi	ld-	notewo	arthy.	Regr.	Ti	itle.	child- hood.	DO	teworthy.			appear in the preceding commit
	dfather dmother .	12	fa fa fa me					3 4	nte • me		1-1					M.V Marganet Veley
	et	5	fa me							-			_			(Novelist)
	les 	7 8	fa bro fa si	1	-			9 10	me me	bro si	2723					H.C.B Henry Curlis Bennett
	hers rs	11 12	bro si	23									=			Stipendiary Magistrale
	brothers	13 14	fa son fa da		-			15 16	me me	S.S	L					More Remoto.
	news es	17 18	bro so bro da	-				19 20	si s si a		1 4					fa. fa 1st Cousins
	cousins Iale	21 22	fa bro fa si i					23 24		bro son si son	2.	All H.	c.B		(I)	Emmanuel de Velay Ref of Mathematics
	cousins 'emale	25 26	fa bro fa si c	200 B		M.V		27 28		bro da si da	10					in University of Lausann
				No. who sur-		Initials	Maide	en name «	of	Year o		's broth	ers and sisters.			a one of the forenders of the present Suis Constitution
		Regr.	Title.	vived child- hood.		the note- worthy.		wife.	MIF	her marriage	Ti	tles.	Initials of the noteworthy.		(2)	Tean Charles de Velay
arriage.	Sons	29	30	0							30 H					Officier of the degion of show
1st m	Daughters .	30	da	0							da H da E					Napoleou I and with him
marr	Sons Daughters .		so(2)	2	100						so(2) da(2)	Wi bro Wi si Hu bro Hu si				al Moscow; afterwarts MD Paris

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Vicarsbrook F.2r Chancer Road Cambridge 23.5.04 GALTON PAPERS my dear Galton I have filled up your paper to the best of my power, but of course you Exercise your judgment as to what you want, 2 sevice private judgments as to the eminence of one's relations. you ask for Lugestions to I an prompted to enquire whether you can't device a scheme by Which women should have a better chance of subry? Confiring my self to my oron circle, & & people whom I think you must have personally known, do not you think That hors Russell Gurney & hup ste phen ought somehow to be intro. duced? They, as also my ant

F.2V Emelia Venn, a hors Dicey (a sister of the first Sin Dames Stephen) seem to me to have been intrin. Acally but title inferior to Their more distinguished brottes undes, LL. Their inclusion would have to rest upon an estimate as one could Seldom recort to any independent test on standard. Would you correct the individual estimate by, so today, empannelling a small family jury to decide whether they deserve to nank with their male relations? For your purpose, i.e. for investigation of the redity, it is vitally important to include women of Lucilar hank, of this can possibly be done. When you were discussing the inheritance of stature, you put the women on the same footing do the men after deduction of the due sex. discount: could you do so in respect of ability or "noteworthiness" generally?

you know much more about this than' I do, but I should have thought that secults worth bedroing with would have been got by a family party deciding how their anto on concins stood in Conparison with their under, brothers is If you come acress my Ja. mily Amals" you may care to look at some of the facts. I hope I have profited by your writing a speculations, & have constantly bone in mind that one has two grandmothers as will as two grand fathers. I know that you (guite sightly from the scientific view) do sist care for the sexults that come from pusting back the purely male brancles into remote times! But any migue phenomenon - as I feel Jorelly certain is the case with us - in the hereditary way will interest yow. I am the 8th University graduate from father Adon, in my time; 2 I st pedt that in a year my don will

added a gthe to the have have now. Jours very Kuli John 7. Galton Sig-OTTERE TO STATUS

6.4 noteworthy Kinsfolk OFTOM DR. J. VENN, VICARSBROOK. GALTON CHAUCER ROAD, PAPERS CAMBRIDGE. fa.fa. 1. John Vern, 1759 - 1813. Scientific & mechanical interest. One of the first to adopt vaccination, applying it this non Children, & recommending it in the parish of which he was rector claphan in 1800. The principal founder of the Church missionary Society, 1798, the as they are still retained. 2. fa. Henry Vern, 1795 - 1873. Wrangler & fellow of Queens' Coll. Combridge. For many years secretary, & practically The manager of the Church missionary Society, which under his guidance in. creased to an income of over \$100,000 per an, with Leveral hundred mission-aries all over the world. 7. fa. 500. Nohn Vern, 1802 - 1890. Sarly success at the 2. India Haileybury College where he gained many medals & was first of his year. Wrangler & fellow of Queens Coll. Cambridge. much practical skill a success in philauthropic schemes in his parish at Hereford where he was vicar. He started a steam Corn-mill, 1841, which was so successful that it led to many other developments in the way of aiding the Iredustions: - c.g. a Loan Department Which,

notewalty Kinofolk

From DR. J. VENN, VICARSBROOK, CHAUCER ROAD, CAMBRIDGE.

by 1848, had advanced some \$18,000 to various poor & strugling persons; an Ex. tensive Experimental Garden for teaching garden, allotment, & small farm-work Le, Le, LL.

22. fa. si. son James Fitzjames Stephen Leolie Stephen

( Lee Who's Who for there)



F.5

## NOTEWORTHY KINSFOLK OF D. John Venn, 4RJ.

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Common terms of kinship.		t kinship y phrased. Title.	No. who sur- vived child- hood.	Initials notewo			ct kins y phra Ti	used.	No, who sur- vived child- hood.		ials of the teworthy.	Regr.	Title.	Full names of those whose initials appear in the preceding column.
Grandfather Grandmother .	1 2	fa fa fa me	-	J.V _		3 4	me ) • me 1			1	+ 0414	1	fa fa	Ishn Verm, 175g - 1813
ather	5	fa me	1	H.V					-		_	5	fa	Henry Vern, 1796-1873
Uncles	7 8	fa bro fa si	13	J.V		9 10	me i		6		-	7	fa bro	John Venn, 1802 - 1890
Brothers	11 12	bro si	1	-		11		-		1				
Talf-brothers Half-sisters	13 14	fa son fa da		} non	æ	15 16	me	1		3 7	lone			
Nephews Nieces	17 18	bro son bro da	3 4	-		19 20	n si fi	X		3 72	ore			
First cousins Male	21 22	fa bro son fa si son			Z.S.	23 24		bro son si son	62		-	22	fa si son	Tanus Fitzanas Stephen Leslie Stephen
First cousins Female	25 26	fa bro de fa si da		-		27 28		bro da si da	54	1.00	_			L'Acoue Scephen.
		w	No.	Initials	Maide	n name	of	Year o		e's broth	ers and sisters.			
	Regr.	Title.	vived o child- hood.	f the note- worthy.	their m	other, y wife.	our	her marriag	е. т	ïtles.	Initials of the noteworthy.			CALTON C
Daughters .	29	54	1	*	Susan	na c		1867	50 1	Wi bro Wi si Hu bro	0			Hanning Papens
	30	da 50(2)	0	-					1 50(2)	Hu si Wi bro	-7_			
Sons	30(2)	da(2)	1	none					da(2	) Wi si t) Hu bro t) Hu si	none			
Signat	ure a	nd Addi	ress of t	he Sender	20	h	- 1	er	m,	, Co	ins 1	Colle	ye, C	ambridge

Filor

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BY

### JOHN VENN, F.R.S., F.S.A.

FELLOW AND PRESIDENT OF GONVILLE AND CAIUS COLLEGE, CAMBRIDGE



### Lindon

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F.7

D.Sc., F.R.S., F.S.A, John Venn, (b.1834) fellow of Caius Coll.Cambridge, president 1903; for many years lecturer on Moral Philosophy at Cambridge author of many works on Logic, & of "A Biographical History of Gonville & Caius Coll." (Who's Who)

fa fa John Venn, (1759-1813) scientific & mechanical interest; one of the first to adopt vaccination, applying it to his own children, & recommending it in the parish in which he was rector (Clapham) in 1800. The principal founder of the church Missionary soc. 1798, the rules of which he sketched out much as they are still retained. (Dict.N.Biog.) fa <u>Henry Venn</u>, (1796-1873) wrangler & fellow of Queen S Coll. Cambridge; for many years secretary & practically manager of the Church Missionary Soc., which under his guidance increased till its income was over £100,000 per annum. vicar of Drypool 1827; of St.John's Holloway Lomion1834-46. (Dict.N.Biog.)

fa bro John Venn (1803-1890) wragler & fellow of Queen a for Coll. Cambridge; much practical skill & success inphilanthropic schemes in his parish at Hereford where he was vicar; of St Peters he started asteam corn mill which a was so successful that it led to many other developementd in the way of aiding the industrious:-e.g. a loan department which by 1848, had advanced some £18,000 to various poor & struggling persons; an extensive experimental garden for teaching garden allotment & small farm work, etc.

F.8

fa si sons Sir James Fitzjames Stephen & Sir Leslie Stephen (Vide Biognaphy of former, 2 who's who)

fa fa fa <u>Henry Venn</u>, (1725-1797) an evangelical divine, a man of remarkable energy &nforce of character; fellow of g Queen St Coll. Cambridge, 1749-57; curate of Clapham 1754; viar of Huddersfield 1759; rector of Yelling 1771-97; ( author of the & Man. /

(Dict.N.Biog.) a learned divine;

fa fa fa fa <u>Richard Venn</u> (1691-1740 )rector of St. Antholin's London, 1725-40; he aquired some prominence by publicly objecting to the appointment of Dr Rundle, a latitudinarian, to the bishopric of Gloucester, on the ground of unorthodox views expressed by the latter in a private conversation. (Dict.N.Biog.)

For further particulars of the Venn family vide "Venn Family Annals" by Dr John Venn. (Macmillan & Co, 1904)

fa. si. da. Emelia Batten, afterwards mis Russell Gurney. distinguished by her artistic taste & accomplishments. author: Dante's Pilgrin's Bogress

(1766-1832) mo. fa. bro. Daniel Sykes. 1 Fellow of Thin. Coll. Camb.; Recorder 2 M. P. for Hull. F. R.S. Promiment as an early Supporter of the Reform movement

(1723-1805) o.fa. fa. Richard Sykes Large & Enccessful merchant in Hull, where he was the principal founder of the Gade in Swedish Iron. Mayor & Sherif of Hull, 2 D.Z. of the S. Riding Joseph mo.fa.fa.

# NOTEWORTHY KINSFOLK OF Grozenon f. H. Vineo, 410,

("WHO'S WHO" contains all that is wanted concerning yourself.)

F.10+

\*\* WRITE AT FIRST FAINTLY IN FENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

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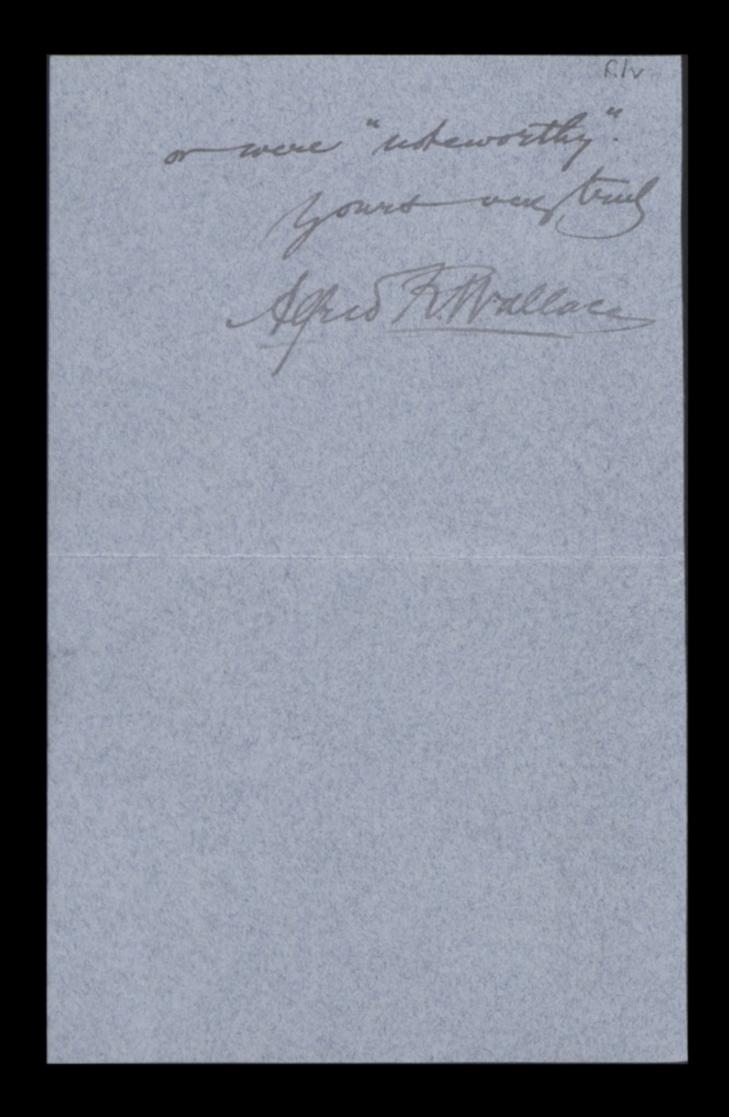
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FRANCIS GALTON, 42 RUTEAR D GATE, (S) LONDON, S.W. F. DV

Broadstone, Winbone July 4 the . 1904 Frances Gallar Soz, 4/4/2/20 Dear Mr. Gallon I do ut return your form because I have really us facts as to any Juy ancestors or relative, but my father + histor, & other willing special. also, I am writing an autobiography which will contain the very lette I know as to my family. I can my say generally that none of my Burrow relatives are



# NOTEWORTHY KINSFOLK OF Grogerron James Walker, F.R.S.

("WHO'S WHO" contains all that is wanted concerning yourself.)

F. 2r

\* WRITE AT FIRST FAINTLY IN FENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN.

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5 NOTEWORTHY KINSFOLK OF R. Warington Bog. Hon. ("WHO'S WHO" contains all that is wanted concerning yourself.) \*\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN. bro = brother ; da = daughter ; fa = father ; Hu = husband ; me = mother ; si = sister ; so or son = son ; Wi = wife. fa bro ton means "MY father's brother's son IS"; me da. means "MY mother's daughter IS"; so Wi bro means "MY son's wife's brother IS"; &c. Exact kinship briefly phrased. No. who sur vived child-hood. No, who survived child-hood. Exact kinship briefly phrased Full names of those whose initials appear in the preceding column. Initials of the noteworthy. Initials of the noteworthy. Common terms of kinship. Regr. Title. Regr. Title. Title. Regr. george Tackson Robert Waringto George Waringto John Brown G.J. Grandfather . . me fa 1 fa fa Grandmother 2 fa me 4 -me me 1100 R.W Father . . . . fa 5 Mother . . . 6 me George Henry Making 3 3 7 Ja bro me bro Uncles . . . . 9 Aunts. . . . 8 fa si 3 IO nie si - 1 G.W. Brothers . . . 600 1 II Sisters . . . . 58 12 1 Half-brothers fa son 15 13 me son 16 me da Half-sisters . 1.4 fa da si 500 1 Nephews . . . 17 bro son 10 bro da 20 si da 2 Nieces . . . . 18 fa bro son 3 ? 23 me bro son 2 First cousins . . 21 Male . . . 22 fa si son J.B. 24 me si son 9 25 fa bro da me bro da 3 5 ? 27 First cousins . . Female . . 26 fa si da 28 me si da 4 Wife's brothers and sisters Maiden name of their mother, your wife. Year of her marriage. Initials of the note worthy, vived child-Regr. Title. Initials of the Titles. noteworthy. Malans 1884 Will bro G. H. M. Sons . . . 20 0 da Hu bro Daughters 5 30 da Hu si 1902 50(2) Wi bro 50(2) Wi si marriage 0 29(2) 50(2) Sons . . . da(2) Hu bro Daughters . 30(2) da(2) O da(2) Hu si pu R. Warington Signature and Address of the Sender Bank, Harpenden, Herb 1876/04 High

## ABILITY IN FAMILIES. By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

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FRANCIS GALTON, 42 Rutla d Gate, (S) LONDON, S.W. F.3V ,

Regr.

3 George Jackson (my mother's of ther) was born in personstice, but passed his adult. men life in the city of London where he practised as a medical man. He had a generes for construction, & sport all his spare time a workshop he created in a small back yard. His first works were in wood. He was a skiller onbenet matter & furner out beautiful work of all sorts, molendary several new mechanical con fritances. He then communed work in metal in which he became equally proficient. He made himself a transit instrument, & observe & The start requitarly. He was awarded of medal by the Society arts for in proven in an offereday for obtaining light. This was before the time of lacife, matches, I light was absend from a get of meserd hydragen I am spiking a ball of spongy la finnan. He made dectrical machines of harrows kinds. One of his most reserved was a duristing machine vertions for rula, merometers with a deamand pour to on glass. He suffleed the Forneton microscops makers with micrometers for sale. This duraling machine have continued to be used for the same purpose I is now I believe shill in use, II has now rales mecromoters for over 50 years In his later life the improv ment of the mercroscope was a subject to which he gave much attention, many of the in proven to whostace by Ross Smith I Beek were his . He made he self

several mucro scorpes. One of these is now in the possession of the Royal Microscopical Society. M. Jackson was at one fime President of this Society. The Cast neur subject better up was photography. He made hunself a camera, I soon been an expert operator. all this was done in spare fime suatched from his medical practices. He deed in 1861 at the age of 69. Robert Warington Vi. R. S. (my father,) 5. was chomist, pharmacest, & naturalist. good draughtsman & fair musice'a Ken observation, ingeneous in contra His principal acheevenent was the foundation of the Chemical Society in 1841 of which he was for ten years the secredary. He is also known as the originates of the aquarium. Every undow in his house in Loralon was secupied with a fresh or salt water aquarun, or else a Warde's Case of flanks He was the author of many papers on Chemical I Natural History subjects He deed in 1867 at the age of 60 my grandfather's three son's mere all able men, but not-conspicaous. None of them showed a falent for constraction. The talent has afferred however in a grandhappeur of grandfather, Mr. J. G. Churchward, Notionth stander, very poor offortunatees for education comotion Departamente, dis the author of many invertions, has ne G.W. Ry. Jocomot

(3 11. George Waring for (my brother). His power & were very considerable, he acheinel much in a few years, but carly death (aged 33) prevented his reaching the position he would have occupied. He passed 1st class in the Natural Science Tripor at Cambridge His chief repartation was however due to has crifical publications, I to his faluits as a seacher & speaker, His reasoning powers were of a high order. 22. John Brown (father's sister's son) a civil engineer, He has resen to be Engineer in chief to the cape Government Railways, I has been made C.M. G. by the King. Henry George Henry Makins. (my first wifes brother) Full surgeon, I tecturer on anatomy at St. Thomas Hospital. Createl C.B. Lythe King . PAPERS

Robert Warington, (b. 1838), F.R.S., & examiner in agricultural science to the Board of Education, since 1894: professor of rural economy, Oxford, 1894-97: author of papers in Z6) the transactions of the Chemical society, "The Chemistry of the Farm", & "Lectures on the Rothampsterd Experiments", 99 & "Lectures on the Physical Properties of the Soil" (Who's Who)

(17 the ditio

High Bank, Harpenden, Hut

6.7

fa <u>Robert Warington</u>, (1807-1867), F.R.S., chemist, pharmacist, & naturalist: founded in 1841, & was for IO years secretary of the Chemical Soc.: originator of the Aquarium: the author of many papers on chemical & natural history subjects. (Dict.N.Biog.) me fa <u>George Jackson</u>, (1792-1861), medical practitioner & inventor: awarded medal by Society of Arts for improvements in the apparatus for obtaining light: invented a dividing machine for ruling micrometers, which is still in use: introduced several improvements into the microscope: & was president of the Royal Microscopical Soc. Bro <u>George Warington</u>, first class natural science tripos, Cambridge: died at the age of 33, but before his death made a considerable reputation as critic, teacher,& speaker.

fa si son John Brown, civil engineer : engineer-in-chief to Cape Government railways. (C.M.G.

F.8 20 hy you Oran Mr Seltin Junen Wohn the kulpth " plen in. trung hours Chrann COLLE CULIVERS/> GALTON PAPERS FON A cknowledged by me 513

From Si charles banen 2 May 1907

F.9

Jun Si Johned & very glad & and you by billing in the bath of hun pick, you his and me, but without a streamen talk I do not think I can & the concelly. For example I do not them where I are t sit to the me the in form hing Charles bann France factor &. Are an some I to wel there how to place. to the the the the Barn Warnen. The Col. Cam: Vice of ash tord. Fata Fa fa ( Richaw Varun Ardwinn & Suffold ta ta ta ta ta ho Pru. Folgens al Com. MA.DD. the the far the ho William . LLD. Fy Tim , Hall Cam the ba ba fa Thickew, M. D. ERS . / tate to pohe D.D. Burling Buyn to For me to . Peter Shaw. M. D. F.R.S. Physia La I. g.I. to ta - frhu Warnen. MA Dean & Berryn. NW the the tro . Charles " Chief Justice & Churtin. For the two . Henry . Sun Op. MA . Twie Cel Com. to the the aw . Fried " a drain al R.N. to the Pulham, MD. E.R.S. Phycit G. TV\_/ fra the M Gut Sie Charles Waren. KCBV Then 3 Can plan . John Warn. MA F.R.S. the m

Sir Ch. Warren F. 101 OOLLED GALTON FUNCTION PAPERS

# NOTEWORTHY KINSFOLK OF General for Charles warnen, RE. G. C. 4.

("WHO'S WHO" contains all that is wanted concerning yourself.)

\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN.

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## ABILITY IN FAMILIES. By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

The object of the inquiry is to ascertain the frequency with which Ability, as indicated by High Success, is distributed among the members of a family; how far it is sporadic and how far it seems to be hereditary or else traditional. The replies will add to our knowledge of some of the main causes of evolution : one of these is the coefficient of mental heredity, another the inclination or otherwise of persons to mate with their like or unlike, another the fertility of the mentally exceptional in various degrees, including their tendency to be celibate, or to marry early or late.

The information asked for is wholly honourable to the person addressed and to his family. It is limited to facts that have already appeared in print, though often only in newspapers. Though well known to the person addressed or to members of his family, they could not be found by a stranger without laborious search.

Nomenclature of Kinship.—Kinships in the first degree are expressed, as explained at the head of the schedule, by single syllables easy to pronounce, consisting chiefly of a consonant and a vowel. By this means such vague terms, as first cousin, are replaced by brief titles with precise meanings. The syllable me is used for mother, as mo runs too closely with bro and so, and ma with fa and da. The French and the Greek words for mother justify the e. The alternative forms of so and son enable the latter to be employed at the end of a phrase, where it is more euphonious. Some of the combinations may have a somewhat childish ring, but none are vulgar or grotesque. The value of this brief and exact method of description becomes greater as the kinship becomes more remote.

Noteworthiness.—" Noteworthy " successes are those in any vocation whatever, that in the opinion of the compiler are of a rank not inferior to that which the Fellowship of the Royal Society holds among men of science. The weight ultimately to be assigned to each recorded success must be entrusted to those who will statistically discuss the replies. Minor achievements of persons who are still too young to have achieved any "noteworthy" success deserve record.

As women can rarely display their full abilities, it is necessary to take into account the hereditary significance of the successes of the brothers (and sisters) of all female ancestors. Inquiry is therefore made as to "noteworthiness" in these. To secure equality in statistical treatment, the same course is adopted in respect to the male ancestors also.

For want of space, the forms for the four kinds of great uncle are omitted, namely, fa fa bro, fa me bro, me fa bro, me me bro. Similarly as to the great aunts. If any of these should be noteworthy their names may be entered in the third column, preceded by their proper titles. So may grandchildren. Eminent kinsfolk in still more distant degrees can be added in the like way, if thought desirable by the compiler. The noteworthy names should be written successively in the third column in any convenient order. There will be ample space to hold them all,

The number of kinsfolk in each degree who survived childhood is wanted as a clue to the intensity with which ability (as indicated by success) characterises each family.

A separate paragraph on fresh paper should contain the noteworthy facts relating to each person whose name appears in the last column of the schedule. These paragraphs should be written consecutively, and the heading of each should consist of the Register number, the Title, and the full Name of the person to whom it refers, transcribed word for word from the last column of the schedule. Each paragraph should be as brief as may suffice to give a just idea both of the *quality* and of the grade of ability in the person referred to. Thus the mention of a high success in one branch will render those of minor ones in the same branch unnecessary, on the principle that the greater includes the less. But if the record of any minor achievements testifies to success in different pursuits and therefore to the possession of general ability, they should be included. Also such as may testify to precocity, to slow development, or else to persistence of effort.

The following imperfect list of successes may possibly be useful in suggesting what might otherwise have been overlooked.

Youth.—All high competitive successes at school, college, or elsewhere, such as the greater exhibitions, scholarships, fellowships, foremost places in University Class lists, or in examinations for appointments of any kind. Only two or three of the more important of these need be given. The captainship of a notable athletic team may deserve record.

Manhood.—High and honourable appointments in any profession, excluding those reached by mere seniority or through social position. Political distinctions. Commercial success in establishing or managing large businesses is usually a sign of exceptional ability.

Authorship of valuable memoirs, books, inventions, &c.

Awards of titles, medals, honorary degrees, &c.

Biographical Notices in standard publications.

By accepting the mere title of F.R.S. as a noteworthy distinction, a body of nearly 500 men is at once determined, to whom these circulars will be sent in the first instance. The Fellows of the Royal Society are, as a class, more likely to be interested in this inquiry than others, their answers are sure to be brief and appropriate, and they are eminently qualified to offer useful suggestions. Such suggestions would be warmly welcomed as the scope of the inquiry will probably be hereafter extended. Moreover, the Fellows of the Royal Society are linked by frequent co-operation and mutual acquaintanceship, which renders it comparatively easy to obtain supplementary information when wanted.

Please address the completed results thus, not omitting a large and very legible S in brackets, in the bottom left-hand corner :

FRANCIS GALTON, 42 Rutla d Gate, (S) LONDON, S.W. filly

# 10 Weleingten Greecent Ramogate

General Sir <u>Charles Warren</u>, (b.1840), K.C.B., G.C.M.G., R.E., F.R.S., Administrator & Comm.-in-chief, Griqualand West: commanded troops northern border expedition, 1879: H.M. special Commissioner & Maj.-Gen. commanding Bechuana--land expedition, 1884-5: commanded troops Suakim 1886: Straits Settlements, 1889-94: Thames district, 1895-8: Lt.-Gen. in command of 5th Div. S. African Field Force, 1899-1900: author of works concerning the archaeology of Jerusalem, the excavations of which together with the *Lundre Granul Standard*, Thurder, ME Tonde' reconnaissance of Palestine he conducted, J867-70: also of "On the Veldt in the Seventies", & "The Ancient Cubit

& Our Weights & Measures" (Who's Who) Son. Thickard Warren, & 1875. New Colling Other. 15 Clim Area Sch. Nats. Perge schulers by Inden Hub and Phys. MA. UX. M.D. de. FRCS. E. L. R.C.P. Im. Bas duft Trawilly films. Hum Direction. Hum Sugar J Ind a Amprilae (1767-NSS) Saum Rus, accounting. I and a Amprilae

fa fa John Warren, M.A. Dean of Bangor, N.W. (1764 - 1828) MP. In Duchester. fa fa bro Charles Warren, Chief Justice of Chester. fa fa bro Henry Warren, M.A. Senior Opt., Trinity Coll. Cambridge fa fa bro Frederick Warren, (1775-1848), Vice-Admiral: defeated Danish Gunboat flotilla in the belt, 1809: Comm.-in-chief at the Cape, 1831-4: admiral-superintendant (Dict. N. BIOE.) they Cuntury Ab. at Plymouth, 1837-41. fa fa bro Pelham Warren, (1778-1835), M.D., F.R.C.P., F.R.S., physician at St.George's Hosp .: Harveian orator (Dict. N. Biog.) Physican & the Thuy I826. K.C.B. Keno. fa Sir Charles Warren, (1798-1866), Maj.-Gen.: served in India, I840-8: in China, I841-4: in the Crimea1854-6. (Dict.N.Biog.)

fa bro John Warren, (1796-1852), F.R.S. mathematician: fellow & tutor of Jesus Coll., Cambridge: chancellor of Bangor. (Dict.g N.Biog.)

M.A., M.B., F.R.C.S., L.R.C.P., son Richard Warren, (b.1876), New Coll., Oxford: 1rst Class honours, Natural Science: Prize scholarship in Anatomy & physiology, London Hosp.: Radcliffe travelling fellow, Oxford: House physician, house surgeon, & senior res. aeeeue accoucheur, London Hosp.

fa fa bro son Major-General Arthur Frederick Warren, C.B., (b.1830), son of Dr. Pelham Warren. (Who's Who) fa fa bro son

fa fa fa fa fa Samuel Warren, (1637-1720), Trinity Coll., & St. Albans Hall, Oxford.

<u>fa fa fa fa fa</u> Richard Warren, (1687-1748), arch deacon of Suffolk fellow of Jesus Coll., Cambridge: rector of Cavendish. <u>fa fa fa fa bro</u> John Warren, (1670-1786), M.A., D.D., fellow of Queens Coll, Cambridge: prebendary of St. Peters Exeter: rector of Farringdon, Devon.

fa fa fa fa bro William Warren, LL.D., (1683-1744), fellow of Trinity Hall, Cambridge.

fa fa fa RicharddWarren, (1731-1798), M.D., P.R.C.P., F.R.S., fellow of Jesus Coll., Cambridge: physician to George III, & to George, Prince of Wales. (Dict N.Biog.)

£13

fa bro John Warren, (1796-1852), F.R.S., mathematician: fellow & tutor of Jesus Coll., Cambridge: chancellor of Bangor. (Dict.N.Biog.) fa fa bro son Maj-Gen. <u>Arthur Frederick Warren</u>, (b.1830) son of Dr. Pelham Warren. (Who's Who)

(1637-1720) and S'Allouis Hall. Che ford fa fa fa fa fa fa <u>Samuel Warren</u>, Trinity Coll. <u>Cambridge</u>. vicar of Ashford. (1607-1740) fa fa fa fa <u>Richard Warren</u>, archdeacon of Suffolk: Jesus fellow of Trinity Coll. Cambridge. The live of Casendish. (1670-1736) fa fa fa fa bro <u>John Warren</u>, M.A., D.D., fellow of Queens Coll. Cambridge. Pubud on d S'Rikrs Easter. Platn d farming Was (1683-17447 Durn fa fa fa fa bro John-Warren William Warren, L.D., fellow (1693-17447 Durn fa fa fa fa bro John-Warren William Warren, L.D., fellow (1693-17447 Durn

Filler of Sins Clup. Caulidy physician to George XXXXXXX prince of Wales, 1787. Out k (Dict.N.Biog.) Curry III. fa fa fa bro John Wargen, (1730-1800), D.D., Bishop of Bangor. (Dict.N.Biog.)

fa fa me fa Peter Shaw, (1694-1763), M.D., F.R.C.P.,

physician in ordinary to George II, 1754, & to George III, 00L 1760. (Dict.N.Biog.)

fa. fa ho son. Administ Richard Land bounder. Comments in chil at the Nore - in bost In Sies. Son & administ Ferdenh verren fa fu hu son son. Pahan Land, Ferd. Crumel grund Hen lew. China Sor y administ Low Lower. (Who's Who)

F.14

## NOTEWORTHY KINSFOLK OF D. Watson, JRS.

("WHO'S WHO" contains all that is wanted concerning yourself.)

\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

Common terms of kinship.	Exact kinship briefly phrased		- No. who su vives child	tr- Initials	of the orthy.	Exa brief	ct kinship ly phrased	wh	No. no sur- rived hild-	Initials of noteworth		Regr.	Title.	Full names of those whose initials appear in the preceding column.	
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	Regr.	Regr. Title. vived of the ne		of the note- worthy.	their mother, your wife.			ier riage.	Title	Initials of the noteworthy.					
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f. 13,

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Please address the completed results thus, not omitting a large and very legible S in brackets, in the bottom left-hand corner :

FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W. f. 150

Crogerron W. J. R. Weldon, JRS. NOTEWORTHY KINSFOLK OF ("WHO'S WHO" contains all that is wanted concerning yourself.) \*\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN. bro = brother; da = daughter; fa = father; Ha = husband; me = mother; si = sister; so or son = son; Wi = wife. fa bro son means "MY father's brother's son IS"; me da means "MY mother's daughter IS"; so Wi bro means "MY son's wife's brother IS"; &c. Exact kinship briefly phrased. No. who survived child-hood. No. who sur vived child-hood, Exact kinship briefly phrased Full names of those whose initials appear in the preceding column. Initials of the noteworthy. Initials of the noteworthy. Title. Common terms of kinship, Regr. Title. Title. Regr. Regr. Grandfather . 1 Ja fa me fa 3 Grandmother 2 fa me me me 4 Walter Weldon W.W. for 5 Father . . . 5 fa Mother . . . 6 me 4 me bro 9 Uncles . . . 7 Ja bro 1 Aunts. . . me si 8 fa si 3 10 1 = ( died at 19) Brothers . . . bro 11 si Sisters . . . 12 Half-brothers fa son 15 me son 13 Half-sisters . 16 me da 14 fa da si son Nephews . . . 17 bro son 19 Nieces . . . . 18 bro da 20 si da \* me bro so fa bro sou 23 First cousins . 21 Male . . . me si son 22 fa si son 0 24 \* 25 fa bro da me bro da First cousins . . 27 me si da Female . fa si da 28 26 Wife's brothers and sisters. Maiden name of their mother, your wife. Initials Year of her Regr. Title vived childof the note worthy. Initials of the marriage. Titles. noteworthy. so Wi bro Florence Sons . . 20 0 1885 so Wi si 9. Tebb da Hu bro 0 Daughters da 30 da Hu si so(2) Wi bro marriage Sons . . . 29(2) 50(2) so(2) Wi si da(2) Hu bro Daughters . 30(2) da(2) da(2) Hu si put Signature and Address of the Sender \* Shave An uncle in America, from whom I have not heard for 20 years, may have lof R. baldon left children.

f.16+

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Please address the completed results thus, not omitting a large and very legible S in brackets, in the bottom left-hand corner :

FRANCIS GALTON, 42 Rutla<sup>\*</sup>d Gate, LONDON, S.W. Filler

## 5-fa .- Walter Weldon

Son ga poor dyen at honeklorough; low 1832, died 1885. Received a very poor Education as a log, poor because of his parents' povers. Went to fondoon in 1852, and practice journations. From 1860-1864 was Editor of a journal, which attracted contributors of alility (2.9., W.M. Rosetti, William Howitt, Z. R. Sala, John Hollingshead, John Karshall Tu Surgeon, cle.). buring This period, studied chemis try by hunders.

6.17

Industry.

W.F.R. bredon

In 1865 patented a process for the recovery of the perocide of many ansee used in the manufacture of Chlorine.

This process came slowly it use ; but by 1869 it had become cridely adopted , and the reduction in the price of bleaching-powder, thick resulted, made the present cheap paper, etc., popilite.

From 1870, the procep reported to Ensured by patter a competence, and he worked at other industrial proteins, patenting several chemical proceepes of minor importance. He was always anciens to recover the state of the chlorine prim the chlorides used as row material, instead of the heef recovery by the treatment of Mn Oz with HCI; and thorty type his death he patents a procep for the decomposition of Magnesium Chloride to heat, instead of which this was effected. The procep was complored for a gear or too by at least one french and one English prim; but I believe it is now superseded by a cheap electrolytic procep.

A theoretical paper, on some relations between the Atomie Weights of the elements, was not thought write of by chemists whom my father concrets and was therefore only printed privately. - Since his death, I have more than once been asked for a copy by chemists who have declared it to g value; but I cannot judge I.

In 1877, received The " Lavoisier" Redal of the Reach " Societé d'Eucomagene pour l'Industrie Nationale; and in 1878 + made "Chevalier" of the Liquin of Honom. In 1882, F.R.S. In 1883, President of the Society Chemical

NOTEWORTHY KINSFOLK OF W. C. D. whetham, Bsq. 4.P.M. ("WHO'S WHO" contains all that is wanted concerning yourself.) \*\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN. bro = brother; da = daughter; fa = father; Ha = husband; me = mother; ri = sister; so or son = son ; Wi = wife. fa bro son means "MY father's brother's son IS"; me da means "MY mother's daughter IS"; so Wi bro means "MY son's wife's brother IS"; &c. No. who sur vived child-hood. No. tho survived child-hood. Exact kinship briefly phrased Exact kinship briefly phrased. Full names of those whose initials appear in the preceding column. Initials of the noteworthy. Initials of the noteworthy. Common terms of kinship, Regr. Title. Regr. Title. Title. 31 fafa fa Stephen Whethin C. W. me fa Grandfather . 1 ja fa 3 Ja for bro Stephen helhains Whethan 2 fa me 4 me me 32 Father . . 5 Mother . . . 6 me 4 Uncles . . . 7 Ja bro 9 me bro Aunts. . . 8 fa si 4 10 me si Brothers . . . bro II Sisters . . . 12 si 1 Half-brothers 15 13 fa son me son 1. C. K. = 16 me da Half-sisters . fa da 14 Si Charles si son Nephews . . 17 bro son -10 Whethan ..... bro da 20 si da Nieces . . . . 18 -6 fa bro son 23 me bro so First cousins 21 Male . 22 fa si son - 0 KA 24 me si son 001 25 fa bro da 8 me bro da 27 First cousins . GALTON 28 me si da 26 fa si da Female Wife's brothers and sisters. 04 Initials of the note worthy. Maiden name of their mother, your Year of her Regr. Title. Initials of the arriage Titles. noteworthy. so Wi bro all Sons . . 29 so Wi si 1897 infant Hole da Hu bro girlo 2 infant dengeting Daughters 30 da da Hu si so(2) Wi bro marriage 29(2) 50(2) Sons . . . so(2) Wi si da(2) Hu bro da(2) Hu si Daughters . 30(2) da(2) W. S. Whethan howate Lodge, Cambridge. Signature and Address of the Sender

F. 18r

## ABILITY IN FAMILIES. By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

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FRANCIS GALTON, 42 RUTLA D GATE, (S) LONDON, S.W. F. 18V

With Whethan

fa fa fa

Stephen Whethan, J. P. Sorret, etc. Sounded and developed a large manufactuning briness of sail-clothete.

fa fa ph bio

Stephen hilling bletham, J.P. Dorset, etc. During early life manged and increased the same brings . married a second when about 60 years old and had thereafter 9 children, all ofohm morved childhood.

Si Charles Whether, Kut. J. P. Dorset, etc. fa fa Sirector of Great Western Railing, al sevent other Railways and Companies.



F. 19

F.201 4 Chay 4 FREDA, CAMPDEN ROAD, CROYDON. dear m. galta I've done my hert with you form. I mion had à laye stock of Kinsfall & have grow very few, as far as I thom. home have done anything that can be said Aprilacan In rup of noteworthy . hove, as far as Stanow, have done augthing had. The only sertable thing i me that don't concern your enging, manch that any patter, & mother & one and, lived to he

FREDA CAMPDEB ROAD. GROYDOR.

oan 90. We are purt an aneraje middle clan family, with

a downwand stope in any

unclis case. My ants

pere anname).

your very huly Motutaker



F.200

note on In Kinspolk Pasm F.21 Shave never hear of any noteworthy Runpolk. But apparently the form wants a sorte fall near kins falk, where furine shild how . I can return but very few fruch. one si'. Die hefere Jam ham Sheliene, yours. me to an I Shaw some. Have ant am da from other, & those seen long apr. Howent an idea as towhere they are now. Cant jone the no. Atter whis menow FN 002 childhow. Certainly 19 GALTON PAPERS each, putrathy 2, prost more . In humble positions. daughters . Das die at 18, which Sprenume is outoide childhow. Wiolutaker 4 may 4

## NOTEWORTHY KINSFOLK OF W. Whitaker, B.S. HRA.

e.

("WHO'S WHO" contains all that is wanted concerning yourself.)

\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN.

	Common terms	Exact kinship briefly phrased.			ur- Initial	Initials of the noteworthy.		t kinshi phrase	d. wh		itials of the	Regr.	Title.	Full names of those whose initials appear in the preceding column.
0	f kinship.	Regr.	Title.	chile	l. note	worthy.	Regr.	Title	d	hild- ood.	ioteworthy.			
	ndfather	1 2	fa fa fa me				3 4	me fa me me						
	her	5 6	fa me	T			11	1.1		-				
	les	7 8	fa bro fa si	2	0		9 10	me bro me si		1				
	thers	11 12	bro si	11	0		11	L L L						
	f-brothers f-sisters	13 14	fa son fa da	- (	-		15 16	me son me da	1000	-				
120.7	hews	17 18	bro son bro da	-			19 20	si son si da	1 1	-				STY COLLED
	t cousins Male	21 22	fa bro i fa sí s		0		23 24	me bro me si	1000	?				PAPERS LO
	t cousins Female	25 26	fa bro fa si a				27 28	me bro me si		?				
				No. who sur-	Initials		en name o	of V	ear of	Wife's bro	hers and sisters.			
		- Regr.	Title.	vived child- hood.	of the note- worthy.	their n	wife.	na na	her arriage.	Titles.	Initials of the noteworthy.			
marriage.	Sons	29	33	1		Ken	eoufa		269	so Wi bro so Wi si				
Ist ma	Daughters .	30	da	2		100	/		-	da Hu bro da Hu si				
marriage.	Sons , , .	29(2)	so(2)			-				so(2) Wi bi so(2) Wi su da(2) Hu b				

F. 22+

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By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

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NOTEWORTHY KINSFOLK OF arctur Willey

("WHO'S WHO" contains all that is wanted concerning yourself.)

\*\*\* Write at first paintly in pencil; correct leisurely in concert with members of your family: when satisfied, ink in.

Common terms of kinship.		Exact kinship briefly phrased.		No. who sur- vived	Initials of the		ct kinship ly phrased.	Ne who viv	sur- Init	ials of the	Regr.	Title.	Full names of those whose initials appear in the preceding column.	
		Regr.	Title.	child- hood.	noteworthy.	Regr.	Title.	chi hoo	Id- no	teworthy.			appear in the preceding column.	
	ather nother .	1 2	fa fa fa me			3 4	me fa . -me me	1 1	1000					
		5	fa me	-	w.w.	1.1	-	A. A.		_	5	fa	Rev. William Willey	
		7 8	fa bro fa si	2	g. W. and T.	9 10	me bro me si				77	patro patro	Rev. William Willey John Wille Thomas Willey.	
	rs 	11 12	bro si			-		1010	-	-	,	0		
	rothers . sters	13 14	fa son fa da			15 16	me son me da	23						
	ws	17 18	bro son bro da			19 20	si son si da		1					
	ousins le	21 22	fa bro son fa si son			23 24	me bro son me si son							
First cousins Female		25 26	fa bro da fa si da			27 28	me bro da me si da					•	LEGE PALE	
			No. who sur- Initials Maiden name of Y		of Year of		Wife's broth	ers and sisters.			Const			
		Regr.	Title.			mother, y wife.			Titles.	Initials of the noteworthy.				
so so	ons	29	50					πB	Wi bro Wi si					
	aughters .	30	da						la Henebro da Hitani					
Intern	aughters .	29(2) 30(2)	so(2) da(2)						10(2) Wi bro 10(2) Wi si da(2) <del>Hu tau</del> da(2) Hu si					

Fi230

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FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W. F.23V

F. 24 MEMORANDUM. No. Dated July 24. 1904. From D. a. Willes F.R.S. To Francis Saltarty F.R.S. 5 fa. Rev. William Willy, Wesley an Minister, a great render of classics in many languages. 7 fa bro. John Willey successful as farmer, architect and managing director of a bits company (Lador blechic Wire Gyth) 7 fabro. Thomas Willer, founded and the London Electric Wire (27; at the age of fortz qualified himself in the medical Projection.

# NOTEWORTHY KINSFOLK OF B. Y. R. Wilson, Esq., HP.S.

("WHO'S WHO" contains all that is wanted concerning yourself.)

(no letter)

F.25 -

\*\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN.

Cot	nmon terms	Exac briefly	t kinship y phrased.	No. who sa	ar- Initials				sed. w	No. who sur- vived	Inits	ials of the	Regr.	Title.	Full names of those whose initials appear in the preceding column.
0	f kinship.	Regr.	Title.	child hood	notew	orthy.	Regr.	Titl		shild- hood.	no	noteworthy.			
Gra	ndfather	1	ja fa				3	me fo	a	-					
Gra	ndmother .	2	fa me				4	- MLC _ M	v.e	+					
Fatl	her	5	fa	182			-	1.1.2		-					
Mot	her	6	me				-	1997	-	-		-			
Unc	les	7	fa bro	2			9	me b	10	2					
Aur	ts	8	fa si	1			10	me 33	1	23					
Bro	thers	11	bro	1			-	-	-						
Sist	ers	12	si	1			-		-	-		-			
Hal	f-brothers	13	fa son	3			15	me se	on						
Hal	f-sisters	14	fa da	1			16	me d	la						
Nep	hews	17	bro son				19	si soi	N						
Nic	ces	18	bro da				20	si da							and an est
Fire	t cousins	21	fa bro sou	3			23	me bi	ro son	055					AIN PAPER T
	Male	22	fa si son	0	4.		24	me s	i son	5					2
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	Female	26	fa si da				28	me s	i da	8					
				No.		1	1	1	111	Wife	s brothe	ers and sisters.			
		Rear.		ho sur- vived	Initials of the note-		len name nother, y		Year of her	1					
			1.62.00	child- hood.	worthy.		wife.		narriage.	Tit	les.	Initials of the noteworthy.			
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Ist	Daughters .	30	da							da H	'u si	A A A A A A A A A A A A A A A A A A A			
and marriage.	Sons	29(2)	so(2)							so(2)	Wi bro Wi ci				
mar	Daughters .	30(2)	da(2)					1.3			Hn bro				

## ABILITY IN FAMILIES.

By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

The object of the inquiry is to ascertain the frequency with which Ability, as indicated by High Success, is distributed among the members of a family; how far it is sporadic and how far it seems to be hereditary or else traditional. The replies will add to our knowledge of some of the main causes of evolution : one of these is the coefficient of mental heredity, another the inclination or otherwise of persons to mate with their like or unlike, another the fertility of the mentally exceptional in various degrees, including their tendency to be celibate, or to marry early or late.

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Noteworthiness.—" Noteworthy " successes are those in any vocation whatever, that in the opinion of the compiler are of a rank not inferior to that which the Fellowship of the Royal Society holds among men of science. The weight ultimately to be assigned to each recorded success must be entrusted to those who will statistically discuss the replies. Minor achievements of persons who are still too young to have achieved any "noteworthy" success deserve record.

As women can rarely display their full abilities, it is necessary to take into account the hereditary significance of the successes of the brothers (and sisters) of all female ancestors. Inquiry is therefore made as to "noteworthiness" in these. To secure equality in statistical treatment, the same course is adopted in respect to the male ancestors also.

For want of space, the forms for the four kinds of great uncle are omitted, namely, fa fa bro, fa me bro, me fa bro, me me bro. Similarly as to the great aunts. If any of these should be noteworthy their names may be entered in the third column, preceded by their proper titles. So may grandchildren. Eminent kinsfolk in still more distant degrees can be added in the like way, if thought desirable by the compiler. The noteworthy names should be written successively in the third column in any convenient order. There will be ample space to hold them all.

The number of kinsfolk in each degree who survived childhood is wanted as a clue to the intensity with which ability (as indicated by success) characterises each family.

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Please address the completed results thus, not omitting a large and very legible S in brackets, in the bottom left-hand corner :

FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W. F. 25 v



# The University, Birmingham.

GALTON

Faculty of Medicine prof. Mindle, W.D., g. R. S., Dean.

Jups. got.

Wen Speli,

Sumstapologie for having left gur leller to langumans and the is has been me time time too all the fact. He following prints ung also interest you -

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a hunder of time or loss wate. work kins ber an Legbeen

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## NOTEWORTHY KINSFOLK OF

FOLK OF Rog. B. C. a. Windle, Hog. ("WHO'S WHO" contains all that is wanted concerning yourself.) F.281

\*\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

	non terms	Exac briefly	t kinship phrased	. No who who	I I	Initials of the noteworthy.		Exa	et kinship y phrased.	who	lo. o sur- ved		ials of the	Regr.	Title.	Full names of those whose initials appear in the preceding column.		
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FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W. F.28V

windle 6.29 9. metro. Colonal Kental Cochell -See "Who's Where " 23. he to Son. Sey mon Sphill How Broche See "Whin When ." Herbort heim heen - he.a., B.C.L. fellow of echiner of hingstalence al. x End. former the. President. anthor of Later Versin 7 Rulangat Jamar - Letterse in Francis W. Grance. - Henry Brever Cofanians, Breweng. . Boyle Somerville . Commander R. Mr. ander of propers in Muturhow -lower formal on Muturko gother Polyverian Nacer. 20. merida. Loit denne Ameralte. ven Run ander ( will Visley hartin . " hartin tino " & second Consin.) of his & books - " Remain. iscences of an hish R.H." - "All a the high Same" - "The Meal Charlate". "Heldier Frx " - I many Mars - above arenas been hove - als an atil. Ame repute see " for hunders alph . abera tilles traling to Morent hoves -

Bertram Coghill Alan Windle, (b.1858), president of Queen's Coll., Cork. M.D., D.Sc., Dublin, M.Sc., Birmingham, F.R.S., Late dean of the medical faculty & professor of anatomy & anthropology, University of Birmingham: author of scientific papers, books or anatomy, "Tyson's Pygmies of the Ancients", "Life in early Britain", etc. (Who's Who)

al cat

me bro Colonell <u>Kendal Coghill</u>, (b.1832), C.B., J.P., served in Burmah, 1853-55: adjutant of 2nd European Bengal Fusiliers during Indian mutiny, 1857-58: commanded 19th Hussars in Egyptian campaign, 1882. (Who's Who) me fa Admiral Sir J. Coghill,

> me me fa <u>Charles Kendal Bushe</u>, (I767-I845), solicitor--general for Ireland, I805-22: chief justice of king's bench, I822-4I. (Dict.N.Biog.) me bro son <u>Seymour Coghill Hort Bushe</u>, (b.I853), K.C., senior moderator & Berkeley gold medallist: gold medallist Crown in oratory, Dublin: senior prosecutor for county & city of Dublin, I90I. (Who's Who) sil<sup>7</sup> son <u>Herbert Wilson Greene</u>, well known fellow & lecturer, Magdalen Coll, Oxford: author of version of Rubayat of Omar Khayam, etc. sil<sup>7</sup> me <u>we</u> son <u>Francis W. Greene</u>, head brewer of Guiness' brewery. me <u>we</u> son <u>Boyle Somerville</u>, commander, R.N., author of papers on the ethnology of the Polynesian race in the

Anthrpological journal.

me si da <u>Edith Oenone Somerville</u>,M.F.H.,author of
"Reminiscences of an Irish R.M.", "All on the Irish Shore"
& other books, all no humorous novels of exceptional
merit.

From Dr. H. WOODWARD, F.R.S., F.G.S. Editor of the Geological Magazine, Establd. 1864.

### 129, BEAUFORT STREET, CHELSEA, S.W.

Dear Mu Galton,

Please accept my

humble apologies for the

very long delay in replying

to your Questions.

I have been away much

of the time & worned by loork at other part

Yours very succeely Henry Woodward

GALTON PAPERS

F.32

" fort a comparing pourphile Survey is her return of House Miting a conde NOTEWORTHY KINSFOLK OF D! Henry Woodward, SPA.

("WHO'S WHO" contains all that is wanted concerning yourself.)

\*\* Write at first faintly in Pencil; correct leisdrely in concert with members of your family: when satisfied, ink in.

Common terms of kinship,				Exact kinship briefly phrased.		ved	Initials of the noteworthy.				Regr.	Title.	Full names of those whose initials appear in the preceding column.
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NOTEWORTHY KINSFOLK OF H. B. woodward, 659. 400.

("WHO'S WHO" contains all that is wanted concerning yourself.)

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	Full names of those whose initia appear in the preceding column	Title.	Regr.	ials of the teworthy.	No, o sur- ived Ini uild-	ased. wh	ct kin y phn	of the briefly	Initials notewo	· who sur- vived	kinship phrased	Exact briefly	mmon terms f kinship.
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					Tel alto	me	-me	4		-	fa me	2	ndmother .
Alle Wood	Samuel Pickwood	fa	5.		-	-	1	w	5.P.1	-	ſa	5	her
Inche W.	Berna Bolinto			100	-	-		-		-	me	6	ther , , , ,
ound	Bernard Bolington Henry Worden	fa bro fa tro	7.				me me	9 10	B.B.1 H.W.	42	fa bro fa si		cles
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	0				7	The C				1	si	12	ers
							me me	15 16			fa son fa da	No. of Concession, Name	lf-brothers lf-sisters
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	AN COLLE		Initials of the noteworthy.	Titles.	her marriage.	our	their mother, yo wife.	of the note- worthy.	vived o child- hood.	Title.	Regr.		
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#### ABILITY IN FAMILIES.

By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

The object of the inquiry is to ascertain the frequency with which Ability, as indicated by High Success, is distributed among the members of a family; how far it is sporadic and how far it seems to be hereditary or else traditional. The replies will add to our knowledge of some of the main causes of evolution : one of these is the coefficient of mental heredity, another the inclination or otherwise of persons to mate with their like or unlike, another the fertility of the mentally exceptional in various degrees, including their tendency to be celibate, or to marry early or late.

The information asked for is wholly honourable to the person addressed and to his family. It is limited to facts that have already appeared in print, though often only in newspapers. Though well known to the person addressed or to members of his family, they could not be found by a stranger without laborious search.

Nomenclature of Kinship.—Kinships in the first degree are expressed, as explained at the head of the schedule, by single syllables easy to pronounce, consisting chiefly of a consonant and a vowel. By this means such vague terms, as first cousin, are replaced by brief titles with precise meanings. The syllable *me* is used for mother, as *mo* runs too closely with *bro* and *so*, and *ma* with *fa* and *da*. The French and the Greek words for mother justify the *c*. The alternative forms of *so* and *son* enable the latter to be employed at the end of a phrase, where it is more euphonious. Some of the combinations may have a somewhat childish ring, but none are vulgar or grotesque. The value of this brief and exact method of description becomes greater as the kinship becomes more remote.

Noteworthiness.—" Noteworthy " successes are those in any vocation whatever, that in the opinion of the compiler are of a rank not inferior to that which the Fellowship of the Royal Society holds among men of science. The weight ultimately to be assigned to each recorded success must be entrusted to those who will statistically discuss the replies. Minor achievements of persons who are still too young to have achieved any "noteworthy" success deserve record.

As women can rarely display their full abilities, it is necessary to take into account the hereditary significance of the successes of the brothers (and sisters) of all female ancestors. Inquiry is therefore made as to "noteworthiness" in these. To secure equality in statistical treatment, the same course is adopted in respect to the male ancestors also.

For want of space, the forms for the four kinds of great uncle are omitted, namely, fa fa bro, fa me bro, me fa bro, me me bro. Similarly as to the great aunts. If any of these should be noteworthy their names may be entered in the third column, preceded by their proper titles. So may grandchildren. Eminent kinsfolk in still more distant degrees can be added in the like way, if thought desirable by the compiler. The noteworthy names should be written successively in the third column in any convenient order. There will be ample space to hold them all.

The number of kinsfolk in each degree who survived childhood is wanted as a clue to the intensity with which ability (as indicated by success) characterises each family.

A separate paragraph on fresh paper should contain the noteworthy facts relating to each person whose name appears in the last column of the schedule. These paragraphs should be written consecutively, and the heading of each should consist of the Register number, the Title, and the full Name of the person to whom it refers, transcribed word for word from the last column of the schedule. Each paragraph should be as brief as may suffice to give a just idea both of the quality and of the grade of ability in the person referred to. Thus the mention of a high success in one branch will render those of minor ones in the same branch unnecessary, on the principle that the greater includes the less. But if the record of any minor achievements testifies to success in different pursuits and therefore to the possession of general ability, they should be included. Also such as may testify to precocity, to slow development, or else to persistence of effort.

The following imperfect list of successes may possibly be useful in suggesting what might otherwise have been overlooked.

Youth.—All high competitive successes at school, college, or elsewhere, such as the greater exhibitions, scholarships, fellowships, foremost places in University Class lists, or in examinations for appointments of any kind. Only two or three of the more important of these need be given. The captainship of a notable athletic team may deserve record.

Manhood.—High and honourable appointments in any profession, excluding those reached by mere seniority or through social position. Political distinctions. Commercial success in establishing or managing large businesses is usually a sign of exceptional ability.

Authorship of valuable memoirs, books, inventions, &c.

Awards of titles, medals, honorary degrees, &c.

Biographical Notices in standard publications.

By accepting the mere title of F.R.S. as a noteworthy distinction, a body of nearly 500 men is at once determined, to whom these circulars will be sent in the first instance. The Fellows of the Royal Society are, as a class, more likely to be interested in this inquiry than others, their answers are sure to be brief and appropriate, and they are eminently qualified to offer useful suggestions. Such suggestions would be warmly welcomed as the scope of the inquiry will probably be hereafter extended. Moreover, the Fellows of the Royal Society are linked by frequent co-operation and mutual acquaintanceship, which renders it comparatively easy to obtain supplementary information when wanted.

Please address the completed results thus, not omitting a large and very legible S in brackets, in the bottom left-hand corner :

FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W. 4.544

Noteworthy Kinofolk of H.T3. Wordward, F.R.S. 1. fafa. Samuel Woodward - author of Ecology of Norfolk tothe works . [Memoir in Dict. Nat. Biogr.] 5. fa. Samuel Pickworth Woodward, Ph.D. (hon. Eottingen), Arrow Linn. Soc. ( how. ) author of "A Manual of the Mollusca", 4. [ Memoir in Did. Nal. Biogr.] 7. fa bro. Bernard Bolingbroke Woodward, Librarian to H.M. at Windsor . author of a History of Wales " & other works . [ Memoir in Did. Nal. Biogra fa bro. Henry Woodward', F.R.S. 11. bro. Bernard Henry Wordward . Curator of Museum at Perth, Western Australia. Corresponding Mem. Zool. Soc. Lond. bro. Herbert Willoughby Woodward. Archdeacon of Magila (Zawyibar) 21. Ja bro. son Harry Page Woodward (formuly) Government Geologist pr Western Australia fa. tro. son Martin Formation Word ward Demonstrator in Biology, Royal College of Suitace; Secretary of the Malacological Society [ Obit. in Nature , Proc. Malacol. Soc. ]

Eller Caroline Woodward -25. fa bro da Has Exhib? at Royal Academy. Alice Bolingbroke Woodward . fa boo da Has Estable at Royal Academy Mary Woodward fa bro da Has Ehild at Royal Academy Fanny Jane Bay field Has Exhib? at Royal Academy. 26 fa si da Horace Prover Jourd 19/6/04: GALTON PAPERS

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Horace Bolingbroke Woodward, (b.1848) F.R.S., F.G.S., assistant director of geological survey of England & Wales: author of "Geology of England & Wales", & other works on Geology. (Who's Who)

38 Malborough Rausins, Ceanon Mrk. N.W.

fa bro <u>Henry Woodward</u>, (b.1832), LL.D., F.R.S., president graphical of Palaeonto<del>logical</del> Soc. since 1896: vice-president of Royal Microscopical Soc, : late keeper Geological dept., British Museum (Natural History).author of many works on palaeontology zoology etc. (Who's Who) disclor bro <u>Bernard Henry Woodward</u>, <del>curator</del> of museum at Perth, W.Australia.

bro <u>Merbert Willoughby Woodward</u>, archdeacon of Magila, Zanzibar. fa bro son <u>Harry Page Woodward</u>, (b.1858), government geologist for W. Australia, 1887-95.

fa bro son Martin Fountain Woodward, demonstrator of Biology, Royal Coll. of Science:sec. Malacological Soc.(obituary in Nature)

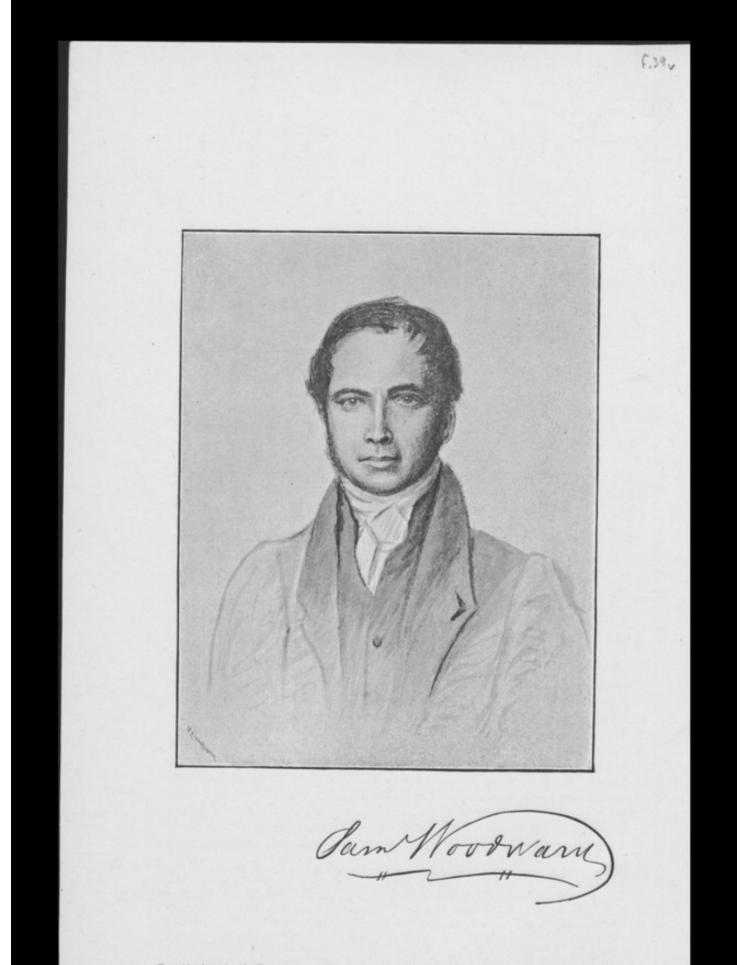


## A GEOLOGIST OF A CENTURY AGO: SAMUEL WOODWARD.

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Frontispiece to the GEOLOGICAL MAGAZINE, DEC. III. VOL. VIII. No. 1, for January, 1891.

#### [Extracted from the GEOLOGICAL MAGAZINE, Decade III. Vol. VIII. No. 319, p. 1, January, 1891.]

#### A GEOLOGIST OF A CENTURY AGO :

#### SAMUEL WOODWARD OF NORWICH, Antiquary and Geologist.1

#### (With a Portrait.)

G EOLOGISTS are so accustomed to deal with vast periods of time, that a century may be deemed by them as equivalent to the moment-measure of the dial, or the sand-grains of the hour-glass.

Nevertheless a century, in human affairs, especially that just expiring, has for us a vastly wider significance, and although its passage may not have seen the birth, it has witnessed all the growth and development of Geological science, and a large proportion of that of her sisters also. It cannot be without interest, therefore, briefly to record in these pages the name of one who, although born a hundred years ago, with but scanty opportunities either of position or education to assist him, yet by sheer force of energy and perseverance, and attracted by a strong love of Nature, became a geologist of no mean merit, and left behind him a name honoured by those who knew him, and a record of work accomplished, worthy to fill a much longer life.

Samuel Woodward was born at Norwich, on the 3rd October, 1790. His grandfather, Simon Woodward, came from London to settle in Norwich, where he married and left two children, the younger of whom, William, born in 1762, married, in 1789, to Elizabeth Springall, and died in 1795, at the early age of 33 years. He left a widow and two children, the elder of whom was Samuel Woodward, the subject of the present Memoir. His father died before he was five years old, and after attending a day-school for a short time, he was placed under the care of a relative who was a shawl-weaver, then one of the staple manufactures of Norwich. So desirous was the boy to learn that he devoted every spare moment to study, and read with eagerness every book which came within his reach. At ten years of age we find him singing, as a

<sup>1</sup> Those who are interested in the story of a Norwich boy who became a geologist may read the fuller account, of which this is but an abstract, in the Transactions of the Norfolk and Norwich Naturalists' Society, vol. ii. pp. 563-593, 1879, by Horace B. Woodward, F.G.S. (grandson of Samuel Woodward), and author of the "Geology of England and Wales," one of the best text-books ever written. The portrait is reproduced by permission from an original sketch, in Indian ink, in the possession of his daughter, Mrs. T. G. Bayfield of Norwich, drawn from life by his eldest son, B. B. Woodward.—EDIT. GEOL. MAO.

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#### Life of a Geologist of a Century Ago-

chorister, on Sundays, in St. George's Colegate, the church of the parish in which he lived with his mother. Here he was introduced to Mr. Alderman Herring, a wealthy manufacturer, and at one time Mayor of Norwich, who kindly took the lad into his warehouse, and having first placed him in a school for a short time, he afterwards bound him apprentice to his own business, that of weaving Camlets and Bombazines. Here he gradually rose to a position of trust and responsibility; nor did he, during this period of twelve years, neglect any opportunity of improving his mind, eagerly availing himself of the kind permission given him by Mr. Herring to use his library for study whenever he had leisure to do so. His pursuits had already assumed the form they retained in later life. He collected and cultivated flowers, and his room was adorned with curios and shells which he bought at the old-curiosity shops in the city.

One of the first geological puzzles he endeavoured to solve was a mass of flint containing *Ananchytes*, which he had noticed on a cottage mantel-piece, where it was kept, well black-leaded, as an ornament. And one of the books which first excited his attention, and perhaps directed it to antiquarian and geological studies, was Verstegan's "Restitution of Decayed Intelligence, in Antiquities concerning the most noble and renowed English Nation," a curious work, of which the first edition was published in 1605, and in which the former connection between England and France was then advocated.

He not only used every opportunity of adding to his own store of knowledge, but was ready to help others, for he himself taught in both an evening and a Sunday school. It was whilst thus engaged that he became acquainted with Joseph John Gurney, who, throughout his life, proved a true friend to him.

In 1812 Mr. Herring gave up his manufactory owing to the general depression of business, but in 1814 Samuel Woodward obtained a clerkship in the Norwich Union Fire Office, which he held for six years, when he entered the Banking-house of Messrs. Gurneys' & Co., where he remained until his death.

In 1815 Samuel Woodward married Elizabeth, daughter of Bernard Bolingbroke, Esq., of East Dereham, Norfolk, and niece of Nathaniel Bolingbroke, Esq., formerly Mayor of Norwich, and of Sir John Yallop, Sheriff of that city. This union resulted in a family of six sons and three daughters; but one son and one daughter died in their infancy.

After 1820, he was brought prominently under the notice of Hudson Gurney, Esq., M.P., of Keswick, and Dawson Turner, × Esq., of Yarmouth, both Fellows of the Royal Society, and partners in Gurney's Bank. It was to their friendly aid and encouragement that he largely owed the opportunities he enjoyed for the prosecution of his favourite studies, and also the success which attended his labours. To them he was particularly indebted for the loan of books, and for aid in his publications.

The works of Parkinson, William Smith, and, later on, those of

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#### Samuel Woodward-Geologist and Antiquary.

Conybeare and Phillips, became his text-books; while the writings of Richard Taylor gave an impetus to his local researches. Taylor's earliest paper was published in 1822,<sup>1</sup> and in the following year Samuel Woodward made his first geological tour of the coast, but without obtaining any specimens of fossil bones. In 1824 Mr. Robert Lacy sent him two molars of Elephant from Mundesley, and soon after he made another excursion from Yarmouth to Cromer along the beach, and obtained some good specimens; and might, he says, have obtained some very large and fine bones, but for the difficulty of conveyance.

From this year and up to the time of his death he maintained a considerable correspondence with many of the leading naturalists and geologists of the day. The letters he received, together with many miscellaneous notes and memoranda, are preserved in eleven quarto volumes, now in the possession of his youngest son, Dr. Henry Woodward, F.R.S. During this period of fourteen years he seems to have kept every scientific letter he received, and it must be remembered that in those days letter-writing was, as a rule, far more elaborate and careful than it is now. Many of these letters are only of value as autographs, and merely relate to inquiries as to coins, rings, seals, merchants-marks, ancient buildings, and other antiquarian matters mostly of local interest. Others bear upon geological topics : amongst them we find letters from William Bean (of Scarboro'), C. W. Peach. R. C. Taylor, Hudson Gurney, Dawson Turner, the Rev. James Layton (of Catfield); Thomas Amyot (Treasurer of the Society of Antiquaries), J. W. Robberds, Miss Etheldred Benett,<sup>2</sup> Goddard Johnson, H. Denny (of Leeds), Daniel Stock (of Bungay), Dr. Buckland, Prof. Sedgwick, Dr. Mantell, G. B. Baker (of Bungay), Dr. Charles König (British Museum), Sir R. I. Murchison, Prof. John Phillips, Dr. James Mitchell, Wm. Gilbertson (of Preston), the Rev. Thomas Image (of Whepstead), the Rev. George Munford, the Rev. W. Foulger. There are also short notes from Fitton, De la Beche, Lyell, Agassiz, Sir Philip Egerton, Elizabeth Fry, Harriet Martineau, and Charles Waterton.

Samuel Woodward's first letter to Mr. Caleb Rose, F.G.S., of Swaffham, was written in May, 1826, and from that date there was an uninterrupted correspondence, mostly on geological topics, until the death of the former in 1838. The enthusiasm of the two friends seems to have been very great; every discovery of a new fossil was at once communicated, while books and specimens were borrowed and exchanged, in a way that speaks well for the prosecution of science in those days.

In 1824 he made his first communication to one of the learned Societies of London. It consisted of a series of maps and plans of Ancient Norfolk, which he submitted to the Society of Antiquaries through Mr. Hudson Gurney. One of these maps illustrated the Roman period, showing the several stations and roads constructed

<sup>1</sup> "Fossil Bones on the Coast of East Norfolk," Phil. Mag. vol. lx. p. 132, 1822.
 <sup>2</sup> Well known to geologists as authoress of "A Catalogue of the Organic Remains of the County of Wilts," 1831; (of Norton House Warminster, Wilts).

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by the Romans; another pictured the great estuary which it was considered had spread itself as far as *Venta Icenorum* (Norwich) before the sands on which Yarmouth was built were left uncovered by the sea. This latter map was based upon the ancient 'Hutch Map,' belonging to the Corporation of Yarmouth, with, however, many inaccuracies as to places and distances corrected.

In 1825 he had already nearly completed two works in MS., one entitled "Sketch of the Norwich Crag Deposit, with a Descriptive Catalogue of its Fossils," a quarto volume containing twenty plates with outline figures of the species; the other, entitled, "Remarks on the Geology of the County of Norfolk," 4to. illustrated with coloured figures of the fossils and coloured sections of the strata. Both works, however, were commenced and carried out on a plan far too ambitious and expensive for publication. The projected "Geology of Norfolk" was to comprise 24 plates, and nearly 1000 figures; he had already drawn about 300, and others were subsequently added; these remain as he left them. The substance of his observations, and figures of many of the species were, however, published in his "Geology of Norfolk," in 1833. The original drawings of fossils are extremely accurate and very carefully executed and bespeak considerable native talent. In 1826 he was elected a member of the Committee of the Norfolk and Norwich Museum (established in 1824), an office which he held at intervals during the subsequent years of his life. In 1827 he exhibited before the Society of Antiquaries, in London, some antiquities found at Coltishall, which he conjectured to have been a landing-place to the Romans when navigating the River Bure on their way to Bampton or Burgh-by-Aylsham. Later in the year he was engaged with Mr. W. C. Ewing, in exploring the Barrows at Eaton Heath. The Bronze Celts and a perfect metal mould obtained there, were exhibited at the Society of Antiquaries, Dec. 6, 1827 (see Archeologia, vol. xxii. p. 424, 1829). On the 5th Feb. 1828, he was elected an Honorary Member of the Yorkshire Philosophical Society, at the suggestion of John Phillips, then Curator of the York Museum, with whom he frequently corresponded.

In 1828, in a letter to Dr. Fitton, F.R.S., President of the Geological Society of London (read 2nd January, 1829), he records the occurrence of Crag at Cromer, and westward at Coltishall, and around Norwich. To the eastward, instead of marine shells, he noticed that there occurred a layer of ligneous and mammalian remains reposing on the Chalk. In this, immense numbers of bones and teeth of the Elephant, Horse, Deer, etc., mingled with trunks, branches, and leaves of trees, had been found, extending even to the distance of twenty miles out to sea, and on the Knoll sands, etc. (Proc. Geol. Soc. 1829, vol. i. p. 93). In 1829, he communicated a short sketch of the geology of the county to the "Norfolk Tour," in which he states that in what was subsequently termed the "Forest Bed" there are found a surprising number of vegetable and animal remains, as trunks, branches, leaves, and stumps of trees (*in situ*), etc. He had two years previously (1827) recorded that

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#### Samuel Woodward—Geologist and Antiquary.

in his own collection from the coast were remains of Elephant, Rhinoceros, Hippopotamus, Horse, Bos, Irish Deer, and three other species of Deer.<sup>1</sup> Many of these were obtained from the oysterbank off Hasboro', which he regarded as an extension of the blue clay of the cliff. He also observed that "the antlers of the deer are broken into fragments of from six to eight inches in length, and three-fourths of them had been shed, indicating that they were at present not far removed from their original locality, and appeared to confirm the tradition that this part of the sea, called 'the Holmes,' was originally a forest."

In a second communication to Dr. Fitton (23rd March, 1829), he pointed out that "Wherever a section has been made of the Crag of Norwich, with one exception, there has been found a layer of nodular flints from twelve to eighteen inches in thickness reposing on the Chalk. Reasoning from analogy he concluded that the Chalk in these instances had been subject to the action of currents of water previous to the deposition of the (Crag) shells; as the appearance of the flints perfectly agrees with the like phenomena going on at Foulness Point, Cromer, and at Trimmingham Beach, on our coast; . . . The Chalk under these flints is perforated as if by *Pholades.*" These notes, although not published at the time, appeared later on in the "Geology of Norfolk."

In April, 1829, he sent to Mr. Amyot some "Fragments illustrating the History of Norwich Castle;" and in May, some "Observations on the Round Towers of Norfolk," for the Society of Antiquaries. At the request of Mr. Daniel Gurney, he directed his attention, in 1825, to the collecting and publishing of Merchants' Marks, and later on he exhibited six examples referred to dates between 1409 and 1608, which he had drawn on stone ready for publication.

For some time past his "Synoptical Table of British Organic Remains" had been in preparation, entailing much research and correspondence; it appeared on 1st July, 1830, the list of subscribers numbering 155. This work, naturally, has now been out of date long ago, having been superseded in 1843 by the "Catalogue of British Fossils," by Professor Morris, the second edition of which appeared in 1854, now 36 years since. Happily the Vertebrata have been brought up to date by Messrs. Arthur Smith Woodward and C. Davies Sherborn, but the Invertebrata have only been partially listed in separate works, so that much remains to be done in order to complete our Catalogue of British Fossils.

In 1832, Samuel Woodward visited Mr. Hudson Gurney in London, and went the round of the principal learned Societies with him; making the personal acquaintance of a number of eminent geologists and antiquaries whom he had previously known by correspondence. He also attended a conversazione at Mr. (afterwards Sir Roderick) Murchison's house, where he met Dr. Buckland and Mr. (afterwards Sir Charles) Lyell, and others.

The year 1833 saw the publication, on the 1st of May, of his "Outlines of the Geology of Norfolk," one of the first works <sup>1</sup> See Rev. J. Layton, Edinb. Journ. of Science, vol. vi. p. 199. F.42r

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describing the geology of any English county, and one which in its plan and scope has not at present been superseded. Much necessarily requires revision in the classification of both the strata and their included fossils; but the work has retained its place as a standard book of reference for Norfolk. He attended the meeting of the British Association at Cambridge in 1833, in company with his friend Mr. Caleb Rose, of Swaffham, but they do not appear to have been much gratified with their visit; for, as his friend afterwards remarked in a letter, "authorities were ponderous," and we were only "insignificant labourers."

In this year Professor Sedgwick was appointed a Canon of Norwich Cathedral, and his advent was indeed a happiness to the Norfolk geologist. Dr. Mantell, writing from Brighton (December 14th, 1834), says: "Believe me you are most fortunate to have such a man near you; it will more than compensate for your distance from all the other savants in England. I think Mr. Sedgwick by far the most talented and splendid man we can boast of. I only wish we had a Cathedral here, and he had a stall in it."

During the Professor's residence in Norwich, they not unfrequently met, Sedgwick often inviting Woodward to the Close, and coming occasionally to spend an evening at Grove Cottage, to look over the treasures in his geological collection.

In February, 1835, he delivered a lecture on "The Antediluvian Topography of Norfolk" at an evening conversazione of the Norfolk and Norwich Museum.

About this period his health seems to have been very feeble; he was suffering from a most trying complaint, diabetes. At times he had to relinquish his duties at the Bank, and seek in travel and change of scene, a temporary alleviation from his indisposition. Thus, on the 13th July, 1835, he went by packet to Yarmouth, and thence to Hull, where he inspected the Hull Natural History Museum with Mr. W. H. Dykes, and Mr. John Edward Lee, the Curator of the Museum. He next proceeded to Beverley, and afterwards to Scarborough, where he met Mr. W. Bean, Dr. William Smith, and Mr. Williamson, and was shown the geology of the coast by William Smith. Thence to York to visit John Phillips and the York Museum ; afterwards to Leeds, to the Museum and to visit Mr. H. Denny. Then on to Preston to stay with Mr. Gilbertson, the well-known collector of Mountain Limestone fossils.1 Later on he returned via Liverpool, and made his first railway journey from that city to Manchester, thence to Nottingham and so through Derbyshire by Buxton and Matlock to Derby and back to Nottingham, then on to Newark and so home via Sleaford, Lynn, and Dereham to Norwich, a truly formidable journey in those days.

In 1836 we find him again in London, seeking health, though mostly visiting amongst friends and attending the meetings of scientific societies.

In September, the Marquis of Northampton, who was much interested in geology, visited him at Grove Cottage, Lakenham, in

<sup>1</sup> Whose collection, like William Smith's, is now preserved in the British Museum (Natural History).

#### Samuel Woodward—Geologist and Antiquary.

order to see his collections; also Mr. Joseph Prestwich, jun. (afterwards Professor Prestwich, F.R.S.) who, paid his first visit to the Thorpe Crag-pits under Mr. Woodward's guidance, and there obtained a fine molar of Elephas meridionalis, now in the Norwich Museum.

Although his bodily powers failed him, his mental energies never ceased to display their activity, and even at the last he occupied himself with numerous archaeological subjects, and with the preparation of a new work, "Theoretical View of the Geology of the Norfolk Coast," a MS. which was never published.

He was also engaged in the preparation of his "History and Antiquities of Norwich Castle," edited, after his death by his eldest son, B. B. Woodward, F.S.A., in 1847; and in gathering materials for the "Norfolk Topographer's Manual," revised, augmented, and edited by W. C. Ewing, and published in 1842. Nothing could exceed the sympathy and kindness shown to Mr. Woodward during his last illness by all his friends, but his malady baffled medical skill, and he died on the 14th January, 1838, in his 48th year.

Thus ended a life of devotion to science, a life whose published works form but a partial memorial of the indefatigable industry of their author. "I believe," writes Prof. Sedgwick, "it is not too much to say that his life has been cut short by his devotion to science, and by his continuing (after the laborious duties of the day) to spend hours in study, which ought to have been given to rest." "His memory," writes his eldest son, "remains an object of reverence to his children, whose paths, by his patience and toil, have been made so easy and pleasant compared with his own, and of unfeigned respect to all who were acquainted with his character and his acquirements."

#### LIST OF WORKS BY SAMUEL WOODWARD OF NORWICH.

- 1829.-1. Geology of Norfolk. In "A General History of the County of Norfolk intended to convey all the Information of a Norfolk Tour." [By J. Chambers.] 2 vols. 8vo. 1829.
  - 2. A Letter [to Dr. Fitton] respecting some remarkable fossil remains found near Cromer, in Norfolk. [Read Jan. 2nd.] Proc. Geol. Soc. vol. i. pp. 93, 94.
- .3. Musical Snails. Mag. Nat. Hist. vol. ii. p. 244. 4. [Notes on some Antiquities found in Norfolk.] Archæologia, vol. xxii. pp. 422-424. 1830.-5. On the Hydra, or Freshwater Polypus. Mag. Nat. Hist. vol. iii. p. 348.
  - 6. A Synoptical Table of British Organic Remains : in which all the edited British Fossils are systematically and stratigraphically arranged in accordance with the views of the Geologists of the present day; and a reference given to their localities, strata, and engraved figures. Svo. and
- 4to. London and Norwich. 1831,-7. Observations on the Round Church Towers of Norfolk; and on the materials employed in constructing the early religious buildings in that
  - County. [Read May, 1829.] Archæologia, vol. xxiii. pp. 7-9. 8. A Descriptive Outline of the Roman Remains in Norfolk, accompanied
  - by a Map of the County. [Read Dec. 1830.] Ibid. pp. 358-373. 9. A Copy of an Ancient Plan of the Chalk Vaults near St. Giles' Gates, Norwich : made by John Bond, 1571; exhibited, with notes, by Mr. Samuel Woodward. *Ibid.* pp. 411-412. 10. Natural History Collection. Mag. Nat. Hist. vol. iv. p. 177.

  - Luminosity of the Sea. Ibid. p. 284.
     Ætites or Eagle Stones. Ibid. p. 468.

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1832 .- 13. Trichiosoma lucorum, the Pupa and Imago of, a Habitat of, and the destruction of by one of the Ichneumonidæ. Mag. Nat. Hist. vol. v. pp. 85, 86,

pp. 60, 60.
14. Luminousness of the Sea. *Ibid.* vol. v. pp. 302, 303.
15. Origin of the Crag Stratum of Norfolk. *Ibid.* vol. v. pp. 544, 545.
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## THE RETIREMENT

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## DR. HENRY WOODWARD.

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R. Lydekker Mit. F. Rd. Decr 1901.

[Extracted from the GEOLOGICAL MAGAZINE, N.S., Decade IV, Vol. IX, pp. 1-2, January, 1902.]



London : DULAU & Co., 37, Soho Square, W.





# DR. HENRY WOODWARD, F.R.S., F.G.S.

KEEPER OF GEOLOGY,

BRITISH MUSEUM, (NATURAL HISTORY).

CROMWELL ROAD, SOUTH KENSINGTON,

S. W.

witten about 10 years afor (1904)

#### PRIVATELY PRINTED.]

# DR. HENRY WOODWARD.

HENRY WOODWARD, LL.D., F.R.S., F.G.S., F.Z.S., F.R.M.S., V.P. Pal. Soc., Keeper of the Department of Geology, British Museum (Natural History), is the sixth son of the late Samuel Woodward, of Norwich, author of "The Geology of Norfolk," 1833; a "Synoptical Table of British Organic Remains," 1830; "History and Antiquities of Norwich Castle," 1886; etc. His eldest brother, Mr. B. B. Woodward, B.A., Lond., F.S.A., was for some years Librarian to Her Majesty at Windsor Castle. He was author of a History of Wales; History of the United States; History of Hampsbire; and joint author with W. L. R. Cates of an Encyclopædia of Chronology, etc. His second brother, Dr. S. P. Woodward, F.G.S. for seventeen years in the Department of Geology, British Museum, was a geologist and naturalist of eminence, and author of a "Manual of the Mollusca," (1851-56), which has had a wonderful popularity. and reached a sale of upwards of 12,000 copies.

The subject of the present notice was born at Norwich, November 24, 1832. His father died when he was only five years of age. Henry Woodward was educated at the Norwich Grammar School, under the Rev. J. Banfather, and afterwards by the Rev. G. Haddock, at the Grammar School, Botesdale, Suffolk. From thence, in 1846, he went to reside with his brother, Dr. S. P. Woodward, at that time Professor of Natural History at the Royal Agricultural College, Cirencester, where he entered as an out-door student at the College, and worked diligently for three years. Here he imbibed that knowledge of Geology and love of Natural History, which, inherited from his father, only needed opportunity and encouragement to develope. The lectures by Professors Way and Blyth on Chemistry greatly stimulated his mind, and he spent much time in fitting up apparatus for himself, and carrying out on a small scale, with Professor Way's Assistant, chemical and electrical experiments. Geologising, Botanizing, and collecting Insects and land and fresh-water Mollusca on the Cotteswold Hills, with lectures at the College, occupied all his At Christmas, 1849, he came to London, and after his time. brother was appointed to the British Museum, he was engaged by the Botanical Society of London to work at their Herbarium, and by Dr. J. E. Gray, in preparing slips for Zoological Catalogues in the British Museum.

In 1851 he entered the East of England Bank at Norwich, where he remained until early in 1858. This period was one of severe but useful discipline, which had its influence on his after-life. His Natural History pursuits were not abandoned, and he diligently collected Chalk and Crag fossils, and maintained his old studies in his leisure hours.

In 1857, Mr. Woodward married Ellen Sophia, only child of M. F. Page, Esq., of Norwich, by whom he has two sons and five daughters.

In January, 1858, Prof. Owen, the Superintendent of the Natural History Departments in the British Museum, wrote, offering him a junior Assistant's post in the Geological Department, under Mr. G. R. Waterhouse, and where his brother, Dr. S. P. Woodward, was already a senior Assistant. His ready acceptance of this small post evinced his anxiety to take up Geology as a profession, and he entered on his new duties with alacrity.

In 1859 he was made a second class Assistant; in 1865 a first class; and in 1867 he entered the first class upper section, a proof that his services met with favourable official recognition.

In the spring of 1860 he accepted an invitation to join Mr. Robert MacAndrew, F.R.S., on a dredging expedition to the south coast of Spain and the Mediterranean; and at Malaga and Gibralter he made excellent zoological and geological collections.

In 1863 he again joined MacAndrew in a dredging expedition along the north coast of the Spanish Peninsula from Bilbao to Coruna. Excursions were also made into the interior to Vittoria, Burgos, &c.

In 1864 Mr. Woodward commenced, with Prof. T. Rupert Jones, F.R.S., to edit the *Geological Magazine*, a monthly journal of Geology (with which is incorporated the "Geologist"). This journal, which Mr. Woodward has edited in chief since 1865, assisted by Professor John Morris, M.A., F.G.S., Mr. Robert Etheridge, F.R.S., Mr. W. H. Hudleston, M.A., F.R.S., and Dr. G. J. Hinde, F.G.S., has attained a well-merited scientific success, and reached its 314th monthly number August, 1890.

Dr. Woodward's contributions to scientific literature commenced in 1860, and have continued to the present time in the Quarterly Journal of the Geological Society, the Proceedings of the Geologists' Association, the Annals and Magazine of Natural History, the Geological Magazine, and other scientific periodicals. His separate memoirs number nearly 200; he has also published a Monograph on the "Fossil Merostomata," and one on "Carboniferous Trilobites," in the volumes of the Palæontographical Society, a Catalogue of British Fossil Crustacea, published by the Trustees of the British Museum; articles on "Mollusca" and "Crustacea," in Cassell's Natural History; and on "Crustacea," in the Encyclopælia Britannica.

In 1873-4 Mr. Woodward was elected President of the Geologists' Association, and a Vice-President of the Geological Society of London, 1887-8.

In 1873 he was elected a Fellow of the Royal Society, and in 1878 the University of St. Andrews conferred upon him the honorary degree of LL.D.

On the 23rd June, 1880, on the retirement of Mr. George R. Waterhouse, the Principal Trustees appointed Dr. Henry Woodward Keeper of the Department of Geology, in which he had served as an Assistant for twenty-two years; a promotion which has been received with satisfaction among scientific men generally.

In 1886 he was a Vice-President of Section C (Geology), and in 1887 he was elected President of that Section at the Manchester Meeting of the British Association.

Since June, 1880, Dr. Woodward, with his Assistants, has achieved the arduous task of re-arranging the entire Geological Collection in the new Galleries of the Natural History Museum, Cromwell Road, where, by the aid of popular and well-illustrated Guide Books, together with diagrams and descriptive labels, the scientific student, and even the ordinary mass of visitors, can take a lively interest in the objects displayed in the cases. and find it full of interest and attractiveness.

Dr. Woodward's eldest son, H. P. Woodward, F.G.S., is now Government Geologist for Western Australia, and the younger, M. F. Woodward, is Demonstrator in Biology in the Normal School of Science and the Royal School of Mines, South Kensington.



#### [Extracted from the GEOLOGICAL MAGAZINE, Decade IV, Vol. 1X, No. 451, p. 1, January, 1902.]

#### THE RETIREMENT OF DR. HENRY WOODWARD. (WITH A PORTRAIT, PLATE I.)

THE retirement of its Editor from official life, after a period of more than 43 years spent in the public service, is an event which should not be passed over in silence in this Magazine. And during his absence from England the opportunity may be taken to remind both its geological and zoological readers (no one at the present day, we presume, desires to be called a palaeontologist) how deeply they are indebted to Dr. Woodward for conducting the GEOLOGICAL MAGAZINE for the long period it has been under his charge as Editorin-chief. For those who have no regular official duties, which must take precedence of all else, the task of editing a monthly scientific journal, and supplying, when necessary, 'copy' from their own pens to fill gaps, is no light one; but it is one that can be described by no other word than irksome when it has to be performed while running in official harness. Nevertheless, since 1865 the Editor has conscientiously carried on this labour from month to month and from year to year without complaint-and to the satisfaction, we believe, of all his numerous readers. Punctually at the commencement of each month the GEOLOGICAL MAGAZINE makes its appearance; and we trust that it may long continue to do so under the same able editorship.

After its 'coming of age' in 1885, full reference was made in its pages to the Editor's connection with this journal.<sup>1</sup> And it will be unnecessary, therefore, on this occasion to repeat the eulogium then passed by Professor Bonney, except to add that since that date more than fifteen extra years of editorial work have been accomplished. If, as Dr. Bonney said, geologists and zoologists were at that time under a heavy load of debt to Dr. Woodward, their obligations must now be enormously increased.

As some indication of the amount of work, apart from editing this journal, that has been accomplished by Dr. Woodward, it may be mentioned that up to the year 1897 the list of his more important memoirs, papers, and addresses (a few written in conjunction with

<sup>1</sup> GEOL. MAG., 1886, p. 45.

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Professor T. R. Jones) totalled 264; by this time they are probably little, if at all, short of 300.

But since on this occasion it is our intention to dwell on Dr. Woodward's connection with the British Museum, rather than with his general work and his editorship of this Magazine, we may pass on to our main subject.

Dr. Woodward first joined the staff of the Museum at Bloomsbury in 1858. The following year he was promoted, and he received a step in 1865 and again in 1867. In June, 1880, on the retirement of Mr. G. R. Waterhouse, he was appointed Keeper of the Department of Geology ; and since that date, with his Assistants, he has achieved the task of rearranging the entire Geological Collection in the galleries of the Natural History Museum, Cromwell Road, where, by the aid of popular and well-illustrated guidebooks, diagrams, and descriptive labels, the scientific student, and even the ordinary visitor, can readily derive instruction from the objects displayed in the cases. How much hard work and patience are required for a task of this nature, and what varied kinds of knowledge are necessary in order to bring it to a satisfactory conclusion (or, rather, to keep the Museum up to date), only those who have tried it can judge.

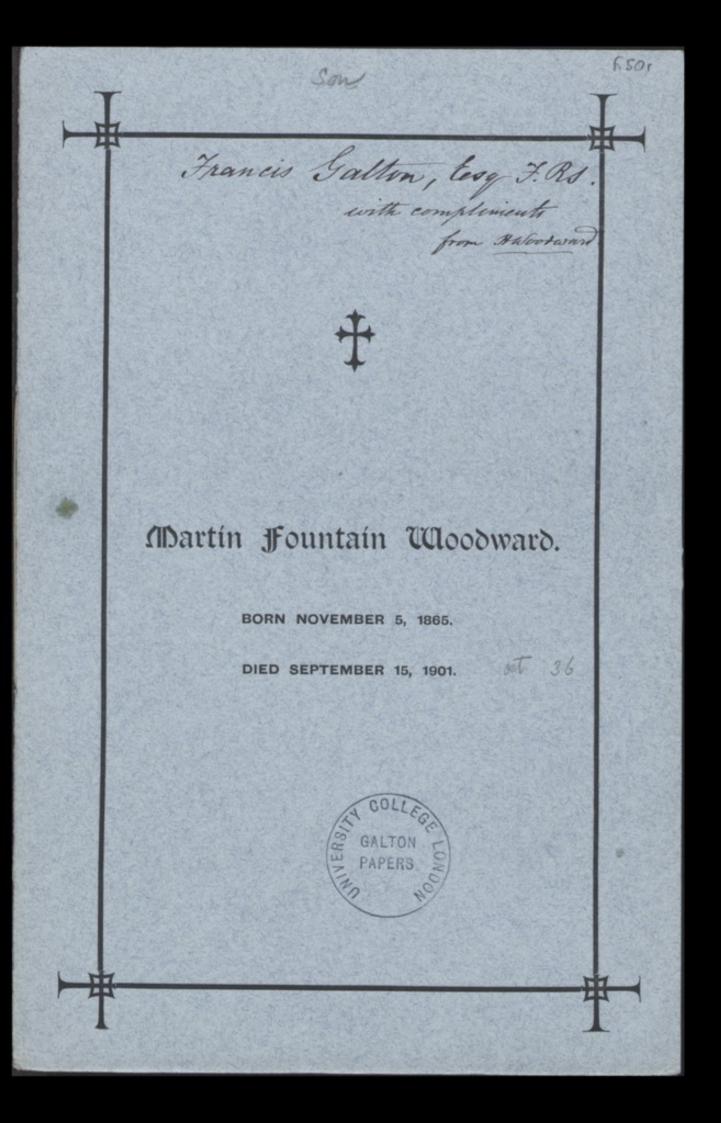
The first edition of the Guidebook to the Geological Department was issued under Dr. Woodward's superintendence in 1881; and since that date each new edition has been expanded and improved. The Guidebook is, of course, for the benefit of the general public, who have, as taxpayers, the first claim on the Museum. But the needs of scientific workers have by no means been neglected, and to Dr. Woodward is due the credit of having initiated in the Geological Department the issue of 'Catalogues' like those which previously proved so valuable to the students of recent zoology. Since 1881 a large number of these Catalogues have appeared under his supervision; how important these are to workers in the life-history of our globe, readers of the GEOLOGICAL MAGAZINE do not require to be informed.

It may be added that, according to the rules of the Civil Service, Dr. Woodward's time of service expired more than four years ago; but, upon the recommendation of the Trustees of the Museum, the Treasury twice sanctioned an extension of his period of service. We learn, moreover, that they have approved of his employment for a year longer on special work connected with the Museum. We also understand that at their meeting on November 23rd the Trustees passed a vote of thanks to Dr. Woodward on his retirement from the office of Keeper for the great services he had rendered during a period of nearly 44 years to the Geological Department.

Readers of this Magazine will, we feel sure, join in wishing Dr. Woodward health and happiness in the comparative rest he has so well earned; and they will be pleased also to have a copy of his portrait, which we have the privilege of inserting.

R. L.

Printed by Stephen Austin & Sons, Hertford.



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#### MARTIN FOUNTAIN WOODWARD.

DIED SEPTEMBER 15, 1901. BORN NOVEMBER 5, 1865.

BIOLOGICAL Science, and more particularly that branch of it in which this Society is peculiarly interested, has not for many years suffered so sad or so serious a loss as befell it on that dark September night when our then Secretary was drowned through the capsizing of a boat at the entrance of Ballinakill Harbour, on the west coast of Ireland.

Martin Fountain Woodward, the younger son of our esteemed first President, Dr. Henry Woodward, was born in London on the 5th of November, 1865, and received his early education at the Kensington Grammar School, where he attended from 1875 to 1883. In October of the last-named year he entered the Royal School of Mines and Normal College of Science (now the Royal College of Science), where the hereditary bent of his mind found free play, and where he applied himself with such ardour to his studies that the following year (1884), on the conclusion of his geological course, he was awarded the Murchison Medal and prize of books.

During the succeeding session (1884-5) he attended the zoological course, the last conducted by Professor Huxley in person, and was first on the list at both the elementary and advanced 1 examinations, while his dissection for the elementary practical examination was long kept as an ensample.<sup>2</sup>

This brought him his Associateship, while his marked ability in Biology led to his appointment by Professor Huxley as Assistant Demonstrator in October, 1885. In July of the following year he was

Bracketed first in Advanced Zoology with A. V. Jennings, June, 1885.
 It had been his father's earnest desire that Martin Woodward should pass out of the Schools in Geology and Palæontology, but Professor Huxley (who was Dean, and at that time still took a lively and active interest in the College) called upon Dr. Woodward and urged upon him that his son should remain attached to the Biological Laboratory, and not pursue the advanced geological course which his father contemplated for him; Huxley, with characteristic animation, exclaiming, "It is necessary to keep up the apostolic succession in Biology, and Martin Woodward is our man !

promoted to the rank of Demonstrator of Zoology, a status he still held at the time of his decease, and, to quote from the official report, "commenced . . . . an inquiry into the detailed structure of the Molluscan odontophore."<sup>1</sup>

His zeal in his work was not only shown in the way in which he discharged his official duties, but by the good use he made of the annual long vacations to yet further advance his biological studies. Thus in 1887 he accompanied Mr. W. H. Hudleston on a three weeks dredging cruise in the English Channel to the west of Portsmouth, and accompanied the Geologists' Association on their excursion into Cornwall.

In 1889 he spent three weeks at Guernsey investigating the marine zoology of the island; the summers of 1890 and 1891 were spent at Plymouth working in the Laboratory of the Marine Biological Association; subsequent vacations were passed in South Devon and at Sark (1896 and 1897); whilst on one occasion, with his friend and former pupil Mr. E. W. L. Holt, he explored some of the celebrated dene-holes in North Kent.

In the summers of 1899 and 1900 he joined Mr. Holt at the Marine Biological Laboratory of the Fisheries Board for Ireland, which was then stationed at Inishbofin, and the interesting series of Molluscan specimens that he brought back from that locality and exhibited at our meetings will be in the recollection of our Members.

In the present year, having recently and successfully undergone an operation for hernia, he was officially acting as assistant during the holidays at this Laboratory, which had been moved to a position in Ballinakill Harbour off the hamlet of Moyard. He had this time been especially interested in and had collected a number of fine Fusoids for investigation, which with other material, we are glad to say, has been placed by Mr. Holt in the hands of one of our Members, to be worked out for the Board.

Martin Woodward's stay was drawing to a close when, with his colleague and companion of his holiday, Professor W. Watson, he paid a visit on 15th September to his friend Mr. Allies, the resident owner of Inishbofin. On the return journey they were delayed by contrary winds, and did not approach the harbour until after dark. Suddenly, as they were nearing their destination, and were within a mile of land, a sharp squall from the hills upset and sank the boat. Martin Woodward, though a fairly good swimmer, never rose, and Mr. Watson and the boatman in charge, after calling in vain for their companion, only reached land themselves with great difficulty. It was not until September 27th that the body was recovered on the site of the catastrophe, and laid to rest two days later in the burialground attached to the Protestant Church at Moyard. In this sad fashion was a promising career cut short, alas ! all too soon.

Famed for his manipulative skill<sup>1</sup> and his extensive biological knowledge, as well as the great care and accuracy of his observations, Martin Woodward was not a voluminous writer, as the bibliographical list of his papers appended to this notice shows. All his literary productions, however, are characterized by that extreme care and attention to detail which marked the rest of his work, and his conclusions are firmly based on foundations of carefully ascertained facts, while on all points open to difference of opinion the views of others, however adverse, are always fully and fairly stated.

Although, as incidentally mentioned, he started by working at the Mollusca, Martin Woodward's first published articles were on other subjects. Beginning with lighter notes contributed to minor societies, and with records of teratological facts that had come under his observation, he turned for a time to the Vertebrata, and his first important contributions to science comprise a series of papers on the dentition of certain groups of the Mammalia. Of these memoirs Dr. Forsyth Major, no mean authority, kindly writes :—

"M. F. Woodward's first publication, 'On the Milk-Dentition of the *Procavia* (*Hyrax*) capensis and of the Rabbit,' revealed an investigator who was not only perfectly conversant with, and even improved upon, the various methods in use for examination, but who at the same time combined with sound reasoning a clear exposition of known as well as new facts. In the *Procavia* Woodward discovered some additional milk-teeth, and showed that the deciduous set of this genus is composed, apart from the four grinders, of three upper and two lower incisors and a canine in each jaw. The discovery of the Tertiary *Pliohyrax* has imparted renewed interest in these investigations. As to the Rabbit, Huxley's observation of an upper and a lower deciduous incisor, which never cut the gum but are absorbed in the unborn animal, was confirmed and enlarged. His 'General Considerations' are, as it were, a programme of Woodward's later work on the Dentition of Mammals.

"In 1893 the first part of his 'Contributions to the Study of Mammalian Dentition: On the Development of the Teeth of the Macropodidæ' appeared, and herein were described for the first time the presence of undoubted embryonic vestigial teeth in Marsupials.

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<sup>&</sup>lt;sup>1</sup> His latest exploit had been to cut sections of some photographic films for Sir William Abney, K.C.B.

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As to the nature of the much debated successional premolar of Marsupials, reasons are adduced for the author's belief that it is in reality, not a replacing tooth, but a retarded milk-tooth. In the following year (Anat. Anz., 1894, ix) vestigial teeth are described in several Rodentia, and are shown to belong to the milk-dentition. It is suggested that the functional molars of the Mammalia—the true molars so called—are to be assigned to the same set as the premolars, i.e. the second dentition (to be termed *third* dentition if we believe in the pre-milk dentition). The same year an able review of the recent work 'On the Succession and Genesis of Mammalian Teeth ' appeared in *Science Progress* (1894, i).

"Part ii of the 'Contributions to the Study of Mammalian Dentition' (P.Z.S., 1896) deals with the teeth of representatives of five out of the nine families of Insectivora. In this the author is led to view the considerable variation in the dentition of the Insectivora as a result of suppressions in the dental series, and of a tendency to reduction in the functional importance of the milkdentition. Strictures are made on the tritubercular as well as on the concrescent theory of the evolution of the molar cusps, and the discussion of these general questions is conducted by a clever handling of arguments taken from ontogeny, comparative morphology, and phylogeny. In the last publication of the series (Anat. Anz., 1896) Woodward sides with the partisans of a pre-milk dentition so far as Marsupials are concerned. A set of minute teeth in polyprotodont and diprotodont Marsupialia are described as the remnants of a pre-milk dentition. An analogous interpretation given by other workers to similar slight structures in some Placentalia is accepted 'with some reservation.' Of this paper it may be safely foretold that it will hold its own ground for some decades to come. One of the reasons for which he discontinued his researches in this branch of study, and would presumably have done so for years had he been spared, was that he was rightly convinced the last word in researches of this kind belong to palæontology, but owing to the slow progress of palæontological discoveries the answers also would be slow in coming."

Ere this series was complete, however, Martin Woodward had once more reverted to the Mollusca, and owing to the fortunate incident of his becoming Secretary to this Society in November, 1897, this return bid fair to result in his specializing in this subject, for all his later papers dealt with Molluscan anatomy, and, with two exceptions, appeared in our Proceedings, whilst he was preparing material for the volume on Mollusca in the Oxford Natural History that had been entrusted to him by its editor, Professor E. Ray Lankester, and his last act as a teacher had been to deliver a course of lectures at the Royal College of Science that embodied his preliminary notes for that work.

In his first Molluscan paper, that dealing with the anatomy of *Ephippodonta Macdougalli*, Tate, he showed that the lattice-like valves, which 'gape' yet more widely than in its nearest ally, *Galeonma*, are completely invested by the mantle as in *Chlamydoconcha* —in brief, that this pelecypod had an internal shell.

His second paper, "On the Anatomy of *Pterocera*," contained careful observations, and the results of some extended experiments, on that enigmatical structure the crystalline style, which he regarded with Hazay and Haseloff as a reserve supply of food.

In Natalina Caffra (Fér.) he made a special study of the buccal mass and its functions, contrasting them with those of the more familiar Testacella.

Turning next to the larval Oyster, he showed, in contradistinction to another investigator, that the dimyarian stage remained, as it does at the present day, still to be discovered.

Three years later he seized a proffered opportunity of describing the previously unknown anatomy of *Mulleria*, which genus he concluded to be closely related to the Unionidæ, although extremely specialized in accordance with its fixed mode of life.

At the same time the anatomy of the minute *Adeorbis* was occupying him, and had to be described from serial sections, a most difficult piece of work, very ably accomplished, which resulted in the allocation of the Adeorbidæ to a position in the systematic series between the Rissoiidæ and the Naticidæ.

The problem of the systematic position of *Donovania* then claimed his attention, and he was able to demonstrate that it belonged to the Buccinidæ and ranked next to *Pisania*. This was the first occasion on which he was brought face to face with a question of nomenclature, an aspect of zoological study to which he was later on led to pay more attention.

The fortunate chance of two members of the Volutidæ, one rare, the other new, coming into his hands for description caused him to investigate the scanty information already possessed concerning the animals of that family, and to point out that "we are at present incorporating in the Volutidæ several forms derived from distinct stocks." His researches in this direction were unfinished, for he had written to his friend Mr. W. G. Freeman, of the Imperial Agricultural Department for the West Indies, in Barbados, to procure specimens of *Voluta musica*, the Linnean type, or at least first-named species. These specimens, with others from the same source, had recently arrived and were awaiting his return to town: they have now been placed in competent hands for investigation.

Able as all these papers were, and full of suggestive observations, they nevertheless did not give that scope for broader generalization which he found in his last subject, "The Anatomy of *Pleurotomaria Beyrichii*, Hilg." Here, fortunate in his material, he was able to correct the observations of previous investigators, and to establish that this primitive rhipidoglossate Diotocardian approaches the architænioglossate Monotocardians, *Vivipara* and *Nassopsis*, in the position . of the point of origin of the visceral loop, and that it is a form very closely related to the stock from which the Monotocardia originated; while it shows signs of a common ancestry with the Cephalopoda in the position of the supporting skeleton of the gills and in the possession of a spiral stomach-cœcum.

Martin Woodward also edited, and brought up to date by original notes, additions, and emendations, vols. ii-iv of the English translation of Korschelt & Heider's "Textbook of Embryology of Invertebrates" (1899-1900).

The amount of written matter is, however, in Martin Woodward's case no index to the work he really accomplished. An ever-ready willingness to help others was a noted feature of his character from early childhood, and wide indeed was the circle that profited by his kindly assistance and advice. As evidence of the esteem in which he was held and the impression he made on those with whom he came in contact, we may cite the following out of a letter from the Secretary to the Department of Agriculture and Technical Instruction for Ireland, who writes :--- "During the time he was connected with the Department his services were of a most valuable kind, and were highly appreciated, and while his high character, brilliant talents, and devotion to Science were admired, his personality was such that those with whom he came most in contact deplore his loss as that of a real friend." Professor Tilden, too, similarly expressed himself in his address at the reopening of the Royal College of Science for the present session. This encomium from official quarters cannot fail to find warm response from the members of this Society, who one and all have reason to lament a friend in the loss of their late Secretary; they can, therefore, fully sympathize with his intimate friends and relations, and yet more with that home circle of which he was all his years the light and just pride.

B. B. W.

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  [An abstract of this paper entitled "On the Development of the Teeth in certain Insectivora" appeared in the Rep. Brit. Assoc., 1895 (1896), p. 736.
- "On the Teeth of the Marsupialia, with special reference to the Pre-Milk 1896. Dentition ": Anat. Anz., Bd. xii, pp. 281-291.
- 1898. " On the Anatomy of Mulleria Dalyi, Smith ": Proc. Malac. Soc., vol. iii, pp. 87-91; figs.
- "On the Anatomy of Adcorbis subcarinatus, Mont.": tom. cit., 1898. pp. 140-146; 1 pl.
- [Anatomical notes to paper by G. B. Sowerby entitled " Description of a new 1898. South African Marine Gasteropod," and published by the Cape of Good Hope Department of Agriculture.]
- "Some account of the synonymy and affinities of Donovania minima (Mont.)": Proc. Malac. Soc., vol. iii, pp. 235-238; figs. 1899.
- "Note on the Anatomy of Voluta ancilla (Sol.), Neptuneopsis Gilchristi, 1900. Sby., and Volutilithes abyssicola (Ad. & Rve.)": op. cit., vol. iv, pp. 117-125; 1 pl.
- "The Anatomy of Pleurotomaria Beyrichii, Hilg.": Quart. Journ. Micro. 1901. Sei., vol. xliv, pp. 215-268; 4 pls.

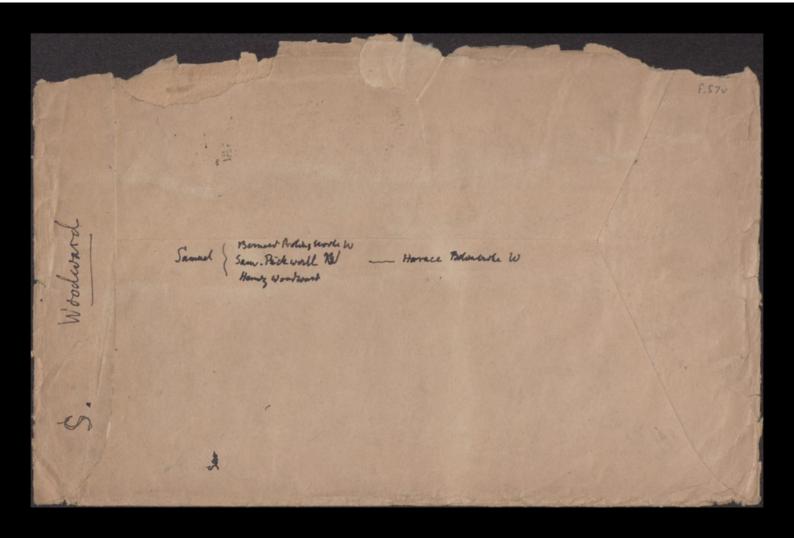
Printed by Stephen Austin & Sons, Hertford.

F.55

Reprinted in advance from the PROCEEDINGS OF THE MALACOLOGICAL SOCIETY.

F.56 V

UT BOUND Francis Galton, Eng. F.R.I. & the 42. Automob Cate. molt House Bibury SW. Vais ford 469 RERSITA GALTON T Dr.Attorours?



# NOTEWORTHY KINSFOLK OF D. a. Smith woodward, the

("WHO'S WHO" contains all that is wanted concerning yourself.)

"," WRITE AT FIRST FAINTLY IN FENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

Common terms		Exact kinship briefly phrased.		L who	o. sur- ved	Initials			ct kinship y phrased			Initials of the		Regr.	Title.	Full names of those whose initials appear in the preceding column.
01	f kinship.	Regr.	Regr. Title.		ild- od.	noteworthy.		Regr.	Title.	ch	hild- lood.	noteworthy.	mgn			
	ndfather ndmother .	T 2	fa fa fa me		1	J.W. E.W.		3 4	me fa •me me		11 11	J	r.s.			John Woodward. John Snijth.
	ner her	5	fa me		-			1-1					-			
Uncles Aunts Brothers Sisters		7 8	fa bro fa si				1		me bro me si				17			Edward Woodward. John Harold Woodward Marion Woodward,
		11 bro 12 si		الم ا 2 مال				- 1								
	f-brothers . f-sisters	13 14	fa son fa da					15 16	me son me da							manon Noraman,
	hews ces	17 18	bro son bro da					19 20	si son si da							
First cousins Male		21 22	fa bro s fa si si					23 24	me bro s me si se							A COLLA
First cousins , Female , .		25 26	fa bro fa si d					27 28	me bro i me si d							GALTON LOW
				No. who sur		Initials		Maiden name of				s brothe	rs and sisters.			B. MOS
						the note- their r worthy.		nother, y wife.		her marriage.			Initials of the noteworthy.			
marriage.	Sons	29	50									'i si				
Ist	Daughters .	30	da								An H		23. 2. 8.			
marriage.	Sons	29(2)									sa(2) da(2)	Wi bro Wi si <del>Ha bro</del>				
2nd	Daughters .	30(2)	da(2)		1							Hum	12 2	2		

Kensigh. hr.

F. 58+

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Please address the completed results thus, not omitting a large and very legible S in brackets, in the bottom left-hand corner :

FRANCIS GALTON. 42 Rutland Gate, (S) LONDON, S.W. F. 58V

F.59 4,SCARSDALE VILLAS, 1,3. John bordword and John Fuith. **KENSINCTON.W.** the honed and directed large silk manufactories, and were meansful. 5. Edward wordward orned and directed sitte dyeworks. was also a pioneer in photography, had did not publich anything. 11. John Harold woodward, M. Inst. C. E., is a consulting Electrical Engineer with the firm of Preece & Cardem. 12. Marion Wordward is a Licentriate of the Royal Academy of Music. Afarmo 4 me me was cousin of Thomas Thomas Thomas Thomas of R.A., her mother I his mother being sisters. Th.

Elizabeth Wordsworth. (b. 1840). Principal of Lady Margaret Hall Oxford; has published some poems & stories , various religious works, also alife of Blshop Wordsworth late bishop (Who's Who) of Lincoln. fa fa. Christopher Wordsworth, (1774-1846). Master of Trinlty college Cambridge, 1820-1841; vice-chancellor of Cambridge University, 1820-1 & 1825-7;a strict & consequently somewhat unpopular master. (Dict.N.Biog.) fa. Christopher Wordsworth, (1807-1885). Bishop of Lincoln 1868-1885; an eminent classical scholar; was senior classic & first Chancellor's classical medallist I830; public orator at Cambridge 1836; headmaster of Harrow 1836 (Dict. N.Biog). fa bro. John Worisworth(1805-1839), Fellow & classical lecturer of Trinity College Cambridge; obtained Porson prize 1827 (Dict. N.Biog.) fabro, Charles Wordsworth (1806-1892). Bishop of St Andrews Dunkeld & Dunblane; when at Oxford won Chancellor's prize for latin verse 1827; & latin essay 1831. (Dict.N.Biog.) fa fa bro. William Worrdsworth, (1770-1850), The post; (Dict. bro. Christopher Wordsworth! (b.1848)Sometime fellow & dean of Peterhouse Cambridge; rector of St Peters Marlborough Since .rehacol archaeology. (Who's Who). bro. John Wordsworth, (b. 1843)Bishop of Salisbury since 1885; while at Oxford optained Graven scholar is 1867; Chancellor's grafeefeariat of estar; fembedasverationperfactounfissity mpastarse prize for latin voso

Wordsworth

MMM ma

F.60

Elizabeth Wordsworth, (b.1840), Principal of Lady Margaret Hall, Oxford: has published some poems & stories, various religious works, abso a life of Bishop Wordsworth, late bishop of Lincoln. X (Who's Who)

fa fa Christopher Wordworth, (1774-1846), Master of Trinity Coll. Cambridge, 1820-184I. (Dict.N.Biog.)

fa Christopher Wordsworth, (1807-1885), Bishop of Lincoln, 1868-85: an eminent classical scholar: was senior classic & first Chancellor's classical medallist, 1830: public orator at Cambridge, 1836: head master of Harrow, 1836. Canon of Weshminster, 1844. (Dict.N.Blog.)

fa bro John Wordsworth, (1805-1839), fellow & classical lecturer of Trinity Coll. Cambridge: Porson prize, 1827. (Dict.N.Biog.)

f<u>a bro</u> Charles Wordsworth, (1806-1892), Bishop of St.Andrews, Dunkeld, & Dunblane: at Oxford won Chancellor's prize for latin verse, 1827: & latin essay, 1831. (Dict.N.Biog.) me fa bro John Hookham Frere, vide Frere

fa fa si Dorothy Wordsworth, author of "Journal in the Highlands", etc., edited togethe with he holke' works by Ardrood [(Out. N. Big fa fa bro William Wordsworth, (1770-1850), Poet Laureate, 1843.] bro John Wordsworth, (b.1843), Bishop of Salisbury, since 1885: Craven scholar, Oxford, 1867: Chancellor's prize for latin essay, 1866: fellow first of Brasenose, afterwards of Oriel: filled many important university posts. (Who's Who & Oxf. Reg.) bro Christopher Wordsworth, (b.1848), Sometime fellow &

KY:

dean of Peterhouse, Cambridge: rector of St. Peter's, Marlborough, since 1897: author of sveral works dealing with ecclesiastical archaeology. (Who's Who) <u>fa me fa</u> Charles Lloyd, (1748-1828), of Bingley Hall, Birmingham: quaker, banker & philanthropist: a pioneer in the movement for the emancipation of slaves: published translations from Homer & Horace. (Dict.N.Biog.) <u>fa me bro</u> Charles Lloyd, (1775-1839), Poet & friend of Coleridge & Charles Lloyd, (1775-1839), Poet & friend of Coleridge & Charles Lamb. (Dict.N.Biog.) <u>fa fa bro da</u> Dora Quillinan, (1804-1847), nee Wordsworth: author of journal of a residence in Portugal (Moxon 1847). [Out. N. Biog]



F.62

prize for latin essay 1866; fellow first of Brasenose afterwards of Oriel; filled a number of important university posts. (Who's Who)&(Oxf.Reg.)

fa me fa Charles Lloyd; (1748-1838)of Bingley Hall Birmingham quaker, banker, philanthropist, a pioneer in the movement for the emancipation of slaves; published translations from Homer & Horace. (Dict.N.Biog.) fa me bro. Charles Lloyd, (1775-1839) Poet & friend of Coleridge & Charles Lamb. (Dict.N.Biog.)

me Susanna Hatley, nee Frere; vide Inter Frere ta fa bro da. Dorothy Juillinan (née Wordsworth) her Joninal edited together with Jatha' works & Prof Kuyht (Dict. N. Big) 1896



F.63r

F.63V ("Hol 1x0) R( or z (chill) is he is diardes Lloyat (1703-1806) of sire by Hall Strataches maker. bonker, Millant roulat, a clonest is one movement for Homar & Horaca. (Ilet. N. Piog.) is me pro. Sarries Ligyl. (1777-1959) Fost & Friend of (.) Solaring & Carelos & me. "Flic .. H. Sior. ) a susanna na ist. nas frank se ٦ MOTIOI :9981 Areso utter toj estad

C.B. NOTEWORTHY KINSFOLK OF Prog. a.m. worthington, the ("WHO'S WHO" contains all that is wanted concerning yourself.) \*\*\* WRITE AT FIRST FAINTLY IN PENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY : WHEN SATISFIED, INK IN. bro = brother; da = daughter; fa = father; Hu = husband; me = mother; si = sister; so or son = son; Wi = wife. fa bro ton means "MY father's brother's son IS"; me da means "MY mother's daughter IS"; so Wi bro means "MY son's wife's brother IS"; &c. Exact kinship briefly phrased Exact kinship briefly phrased. Noi who sur vived child-hood. No. who survived child-hood. Full names of those whose initials appear in the preceding column. Initials of the noteworthy. Initials of the noteworthy. Common terms of kinship. Regr. Title. Title. Title. Regr. Regr. nel Grandfather . . fa fa me fa 1 3 Grandmother 2 fa me 4 me me Father . . . fa 5 -Mother . . . 6 me 3 me bro fa bro Uncles . . . 7 9 2 Aunts. . . 8 fa si 10 me si 4 Brothers . . 11 bro si Sisters . . . 12 l 0 Half-brothers fa son 15 me son 13 fa da Half-sisters . 0 16 me da 14 3 si son Nephews . . 17 bro son 19 Nieces . . . . 18 bro da 2 20 si da 5 23 me bro so First cousins . fa bro son 21 Male . . . fa si son me si son 22 0 24 1 fa bro da 27 me bro da First cousins . . 25 0 28 me si da Female . . fa si da 26 Wife's brothers and sisters. Maiden name of their mother, your wife. Initials of the note worthy. Year of her who sur vived child-Regr. Title. Initials of the marriage Titles. noteworthy. Solly 1877 so Wibro so Wisi marriage. Sons . . 29 50 1 da Hu bro Daughters . da 2 30 da Hu si so(2) Wi bro marriage 29(2) 50(2) Sons . . . so(2) Wi si da(2) Hu bro Daughters . 30(2) da(2) and da(2) Hu si A. M. Worthington mohuns Tavistock Signature and Address of the Sender

F.64r

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FRANCIS GALTON, 42 Rutland Gate, (S) LONDON, S.W. F.64V

Whitford Collare Foweg 9th Jul 1904 Sear Si Francis . regret that absence from home caused your other rotici bremain mansered. . Hope the enclosed will be Sound Talifactory .. Jon ver til Serato 7. yes GALTON 24141412

31. Me fafa. Sir John Ferns. succeeded eminenth as Tonie Merchant in Dublin. Distriquished as musician and artist. Possessed a very extrandinary Bass voice -32. ne me fa. John Browne: attained eminence as lawyor in Dabhin - Equel notable for physical stature & mental ability. Ofhii 4 sons, 2 became Severals, one an admiral & one a Bishop - Brandmother working daug the.

# NOTEWORTHY KINSFOLK OF D? G. F. Geo, FRS. ("WHO'S WHO" contains all that is wanted concerning yourself.)

F. 3+

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	mon terms		t kinship phrased	<ul> <li>who s vive</li> </ul>	d Initials		Exa briefi	ct kinshi ly phrase	ed. wh	rivea	Initia	itials of the oteworthy.	Regr.	Title.	Full names of those whose initials appear in the preceding column.
of kinship	001.0010	Regr.	Title.	child		orthy.	Regr.	Title		hild- ood.	not	ewortary.			
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Uncles Aunts		7 8	fa bro fa si	1/2	-		9 10	me bra me si		42					
Brothers . Sisters		11 12	bro si	32				1		11					
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First cousins Female		25 26	fa bro fa si d		.0		27 28	me bro o me si d	ro da ti da	27					PAPERS ON MO
				No. who sur-	Initials	Maid	en name	of 1	Year of	Wife	's brothe	rs and sisters.			
		Regr.	Title.	vived child- hood.	of the note- worthy.	their r	nother, y wife.	our	her arriage.	Ti	tles.	Initials of the noteworthy.			
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Daugh	hters .	30	da	-	~					da Ba				100	
Sons	• • •	29(2)	50(2)	1		Hu	nt	- /	886	sp(2)	Wi bro Wi si Harboo				
	hters .	30(2)	da(2)				/	2			Huri		11		
Si	ignati	ure at	nd Ad	dress oj	f the Sende	r _	G	e	La	M	9	1.	Je	20	E THE

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FRANCIS GALTON, 42 ·Rutland Gate, (S) LONDON, S.W.

University Chemical Laboratory, Trinity College,

12 Kaglan Road Dublin,

5. Ja. Edward Young. J.P.

19 bro. Reginald Young. Itas collected and hybridised

13 ja son Edward Young

Established large business. orchids; recognised anthority on cypripedra. M.A. 10th wrangler; research; anthor; Corneil of mathematical Society.

wi bro. Charles William Rommuns M.A. D.Le. anthon, Chief Inspector for the Dechnical Eshcahon Committee of the London County Connerl.



NOTEWORTHY KINSFOLK OF Prof. Sydney young, tr.

("WHO'S WHO" contains all that is wanted concerning yourself.)

F.Sr

\*\*\* WRITE AT FIRST FAINTLY IN FENCIL; CORRECT LEISURELY IN CONCERT WITH MEMBERS OF YOUR FAMILY: WHEN SATISFIED, INK IN.

ommon terms of kinship.		Exact kinship briefly phrased.		No. who sur- vived initials ability notew		Exac	t kinship y phrased.	No. who sur- vived child-	Initials of the noteworthy.	Regr.	Title.	Full names of those whose initials appear in the preceding column.
	Regr.	Title.	child- hood.			Regr.	Title.	hood.		Inci I	Sec. 2	
andfather	1	ja fa fa me	1			3 4	me fa me me	-			April 1938	
ther	5	fa me	-	8.5	1.		171	- 1	=	5	fa.	Edward Young.
ncles	7 8	fa bro fa si	45			9 10	me bro me si	1	- Alter		me fin	
others	11 12	bro si	34	R.9	!					11	bro	Reginald Young
alf-brothers alf-sisters	13 14	fa son fa da *	23	A.9	1.	15 16	me son me da			13	fa son	alfred Young
ephews	17 18	bro son bro da	22			19 20	si son si da	516	nd halfsida 4	.)	-	
rst cousins Male	21 22	fa bro son fa si son				23 24	me bro son me si son	70				
irst cousins , . Female , .	25 26	25 fa òro da 26 fa si da		95		27 28	me bro da me si da	30				
		W		Initials	Maide	n name (	of Vear		Wife's brothers and sisters.		wibro	Charles William Kimmins.
	Regr.	Title.	vived of	the note- worthy.	their mother, y wife.	other, yo	nır her marriag	6 3060	itles. Initials of the noteworthy.			
Sons	29	29 20 2 (Twins 30 da		Grace Kimmins 180			50 I	so Wi bro so Wi si				
Daughters .	30					189	896 da Hu bro da Hu si					
Sons	29(2)	so(2)		-			1.00		Wi bro Wi si			
Sons Daughters .	30(2)	da(2)				-	-	da(2	Hu bro Hu si			
Signal	ure as	nd Addr	ress of th	e Sender	~	(mi	may	40	ing 1.	2 Ra	glan.	Road, Dublin.

# ABILITY IN FAMILIES. By FRANCIS GALTON, D.C.L., Sc.D., F.R.S.

The object of the inquiry is to ascertain the frequency with which Ability, as indicated by High Success, is distributed among the members of a family; how far it is sporadic and how far it seems to be hereditary or else traditional. The replies will add to our knowledge of some of the main causes of evolution : one of these is the coefficient of mental heredity, another the inclination or otherwise of persons to mate with their like or unlike, another the fertility of the mentally exceptional in various degrees, including their tendency to be celibate, or to marry early or late.

The information asked for is wholly honourable to the person addressed and to his family. It is limited to facts that have already appeared in print, though often only in newspapers. Though well known to the person addressed or to members of his family, they could not be found by a stranger without laborious search.

Nomenclature of Kinship.—Kinships in the first degree are expressed, as explained at the head of the schedule, by single syllables easy to pronounce, consisting chiefly of a consonant and a vowel. By this means such vague terms, as first cousin, are replaced by brief titles with precise meanings. The syllable me is used for mother, as mo runs too closely with *bro* and so, and ma with fa and da. The French and the Greek words for mother justify the e. The alternative forms of so and son enable the latter to be employed at the end of a phrase, where it is more euphonious. Some of the combinations may have a somewhat childish ring, but none are vulgar or grotesque. The value of this brief and exact method of description becomes greater as the sinship becomes more remote.

Noteworthiness.—" Noteworthy " successes are those in any vocation whatever, that in the opinion of the compiler are of a rank not inferior to that which the Fellowship of the Royal Society holds among men of science. The weight ultimately to be assigned to each recorded success must be entrusted to those who will statistically discuss the replies. Minor achievements of persons who are still too young to have achieved any "noteworthy" success deserve record.

As women can rarely display their full abilities, it is necessary to take into account the hereditary significance of the successes of the brothers (and sisters) of all female ancestors. Inquiry is therefore made as to "noteworthiness" in these. To secure equality in statistical treatment, the same course is adopted in respect to the male ancestors also.

For want of space, the forms for the four kinds of great uncle are omitted, namely, fa fa bro, fa me bro, me fa bro, me me bro. Similarly as to the great aunts. If any of these should be noteworthy their names may be entered in the third column, preceded by their proper titles. So may grandchildren. Eminent kinsfolk in still more distant degrees can be added in the like way, if thought desirable by the compiler. The noteworthy names should be written successively in the third column in any convenient order. There will be ample space to hold them all.

The number of kinsfolk in each degree who survived childhood is wanted as a clue to the intensity with which ability (as indicated by success) characterises each family.

A separate paragraph on fresh paper should contain the noteworthy facts relating to each person whose name appears in the last column of the schedule. These paragraphs should be written consecutively, and the heading of each should consist of the Register number, the Title, and the full Name of the person to whom it refers, transcribed word for word from the last column of the schedule. Each paragraph should be as brief as may suffice to give a just idea both of the quality and of the grade of ability in the person referred to. Thus the mention of a high success in one branch will render those of minor ones in the same branch unnecessary, on the principle that the greater includes the less. But if the record of any minor achievements testifies to success in different pursuits and therefore to the possession of general ability, they should be included. Also such as may testify to precocity, to slow development, or else to persistence of effort.

The following imperfect list of successes may possibly be useful in suggesting what might otherwise have been overlooked.

Youth.—All high competitive successes at school, college, or elsewhere, such as the greater exhibitions, scholarships, fellowships, foremost places in University Class lists, or in examinations for appointments of any kind. Only two or three of the more important of these need be given. The captainship of a notable athletic team may deserve record.

Manhood.—High and honourable appointments in any profession, excluding those reached by mere seniority or through social position. Political distinctions. Commercial success in establishing or managing large businesses is usually a sign of exceptional ability.

Authorship of valuable memoirs, books, inventions, &c.

Awards of titles, medals, honorary degrees, &c.

Biographical Notices in standard publications.

By accepting the mere title of F.R.S. as a noteworthy distinction, a body of nearly 500 men is at once determined, to whom these circulars will be sent in the first instance. The Fellows of the Royal Society are, as a class, more likely to be interested in this inquiry than others, their answers are sure to be brief and appropriate, and they are eminently qualified to offer useful suggestions. Such suggestions would be warmly welcomed as the scope of the inquiry will probably be hereafter extended. Moreover, the Fellows of the Royal Society are linked by frequent co-operation and mutual acquaintanceship, which renders it comparatively easy to obtain supplementary information when wanted.

Please address the completed results thus, not omitting a large and very legible S in brackets, in the bottom left-hand corner :

FRANCIS GALTON, 42 RUTLAND GATE, (S) LONDON, S.W. f. Sv