## EMS Minutes: Volume 1: pages 204 to 212

1904-05: Twenty third session

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	Session 1904-5.
	Twenty-Third Session
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11:X1:04	Minutes of weeting held on Friday, 11th Nov. 1904 in the Edinburgh Institution - W. Chenle- Tweetie,
	in the Edinburgh Institution - W. Charles Tweeke,
	President, in the chair
	The following papers were read ! -
	1. Recherches sur l'enveloppe des pédales des divers
	points d'une circonférence por rapport à un triangle
	inscrit by M. Edouard Colliquon - communicated by
	D-J.S. Mackay.
	2. The Condensation of Continuants by D. Thomas
	Meur - communicated by Mi Chas. Tweedie
	I vote Thanks, proposed by W. Alison, seconded
	by hof. Gibson, was passed to 5- Markay for his
	great services to the Society in preparing as Indexes
	fre toesery. Donastors amounting to
	I were internated, loward defraying the enferses
	It Wolene; including a sung \$10 from ho! Alison.
	Which was specially acknowledged
	Office - Bearers were elected as follows
	President W. L. Thomson, M. A, B. A,
	Vice-President D.C. McIntosh, M.A., F.R.S.E.

Meeting: 11th November 1904

Hon. Secretary
Aon. Treasures
Editors f "Proceedings"
Committee

P. Pinkerton, M.A.

James Archibold, M.A.

Sw.A. Lindsay, M.A., B. S.

John Turner, M.A., B. S.

Charles Tweedie, M.A., B. S., F.R.S.

A.S. Burgess, M.A., F.R. S.E.

D. K. P. Cken, M.A.

arch. Milne, M.A., B. S.

M. Archibald, Ston. Treasure, submitted the Treasure's Report for Session 1903-1904, Which showed 138 annual Subscriptions, a Balance on the Capital Account of £21"4"3, and a Balance on the Cook Account of \$14"0"62; making a Total Balancy \$35" 4" 92 On the motion of the Chairman, hur D. C. M Yatosh received the Manha of the Society for filling the office of Secretary with conspicuous ability during the last five years. The following were caudidates for membership W. George D. Valentine, M.A) proposed by W. J. W. Peck Advocate, Edwingh ) Seconded W. D. K. Ricken W- Win Jeffrey, M. A. I proposed & W-A D. Russell Banff Academy, Banff Jesonded by M. P. Pinkerlin Thwas remitted to the Committee to take steps to gathe togethe in some convenient place, the volumes forming the Library of b. I. Thomson Charman the Jociety.

9: XII: 04 Minutes of meeting held on Friday, 9" Dec, 1904 in McEdirburgh Institution; W. W. S. Thomson, President, tin the chair The following papers were read :-1. Culie and Quartie Functions and Equationis by P. Pinkerton 2. a proof The Addition Theorem in Trigonomating by D. K. Picken. 3. Two Geometrical notes by E. Collignon (communicated by the Tecretary) Messro G. D. Valentine and Wm Jeffrey was elected ordinary members of the Society The following were candidales for Membership W. R. Hughes, B. A., Fellow of Jesus Collyg, Caubridge. George Green, M.A.; 3 Edgefauld Terrace, Springburn, Glasgor James A. WBride, B. A., B. Se, allanfler's School, Glasgow. W. M.F. Ort, W. A., Professor of Makemahis, Royal College of Science, Dublin. David G. Taylor, M. A, B. A, University College, Cardiff all proposed by s. K. Picker & seconded by P. Pinkerlin. A. L. Thomson

Meeting: 9th December 1904

Minutes of meeting held on Friday, 13" Jan, 1905 in the 13:1:05 Edinburgh Institution; W. W. L. Thomson, President, is the chair The following papers were read 1. a proof of the Theorem that the withenetic mean of m positive quantities is not less then their harmonic means by W. A. Lindsay 2. on the factors of 2-1, by G. D. Valentine 3. on the contact of a newbor of a family of curves with the envelope, by E.B. Ross. The five candidales proposed & seconded at the preceding meeting were elected ordinary members. 10:2:05 Minutes of Meeting held on Friday, 10 " Feb, 1905 in the Edinburgh Institution, 8 Queen 8treet; ME W. L. Thomson, President, in the chair The following papers were read 1. a wethod of diriding the circumference of a circle into 360 equal parto by J.N. Miller 2. The Ambiguous Cases in the Solution of Spherical Triangles by Professor Bromwich, communicated by Tuperson Silson

Meeting: 13th January/10th February 1905

3. Polar Soci by D.G. Taylor, communicated by J. Twomer. The following were candidates for membership J. A. Doig, George watson's College, Eduburgh R.J. Nicholson, M.A., B. St., W. L. Thompson, M. A., B. Sz. Allan Glevis School, Glasgor Peter Rawsay, M. A., B. Sr. Archibald Long, M.A., Invanside School, " Peter M Lead, M. A., B. Se, Hillhead High School, A. J. Ross, M. A., B. S., Eillespie's School, Eduburgh Peter Courie, M.A., B. St., Borongheusis School, Peter D. Innes, M. A, B. St., 16 Argyle Place, Edward Blades, M.A., B. Sr., Moray House T. C., H. F. Thompson, B.A. (Dublin), Academy, A.C. Dixon, M.A., F. R.S., Pol. of Maths, Queen's College, Belfast a M. S. Match, M.A., B. Sz., Royal Academical Institution, John Jeffrey, M. A., B. Sr., Reeter, High School, Sellink John G. Dunbar, M. A. He Academy, Androssan. proposed the Secretary & secondedly D. K. Picker Ir. L. thomson

10:3:05 Minutes of Meeting held on Friday, 10th March, 1905, in the U.F. C. Training College, Elasgow; W- W. L. Thomson, President, in the chair. The following papers were read -1. on the orthoptic Locus of the Seni- Cubical Parabola, by A. G. Burgess. 2. on the radii of circles touching three given circles , by A. Holm. 3 Proofs of Newton's Theorem on sums of powers of the roots of an equation; A Proof of waring's Expression for ZX in terms of coefficients, by Dr. Muishead. D' J. Erskine - Murray exhibited his Differentiating Machine. The fifteen candidates for membership, proposed and seconded at the previous meeting were elected ordinary wembers. The following were condidates for membership Loudon Arneil, M. a., U. F. Training College, Glasgow William H. Love, M. a., U. F. Praining College, Slasger bushosed by b. a. Lindsay & seconded by D' Muirhead James Erskine - Murray, D. St., Kelvinside Academy, Glasgon Mercauder Stevenson, M. A., B. Scy Whitehill School, Glasgon

Meeting: 10th March 1905

Alexander Leighton, M. a., B. Se, Morgan Academy, Dunder Peter Ross, M. a., B. Se, Broughton Higherfrade School, Edinburgh proposed by P. Pinkerton and seconded by D. K. Picka W. Histof Rollesay Academy, perfored A.G. Burges o seconded by P. Tinkerlon W. L. Thomson 12:5:05 Minutes of Meeting held on Friday, 12 "May, 1905; in the Edinburgh Institution, 8 Queen 8t., WW. L. Thomson, President, in the chair. The following papers were read :-To Bibliography of the Three-cusped Hypocyclois by D- J. S. Mackay. 2. Notes on Inequalities by V. Ramaswami Anjar, communicated by A. Milne 3. on Mathematical Instruments, and he accuracy to be obtained with them in some elementary practical problems by J. H. A. MeIntyre. The seven candidates, proposed and seconded at last meeting, were elected ordinary members of the Dociety

Meeting: 12th May 1905

The following were candidates for wembership C. E. McVicker) proposed by C. Tweedie 5 Comely Bank Seconded by J. Alison Alex. T. Merrilees, M. A., 12 Marchmont Street, proposed by A. Milne, seconded by D. Morgan. Alex. Routledge, B.A., (R.U.I) 32, Clonmore Road, N. Strand, Dublin, proposed by W. L. Thomson, Res, & seconded by J. B. Clark. baird Murray, M. a., B. Sc., Kilmorwock Academy, and James Little john, M. A., II, Kinnaird SV., arbroath proposedly P. Pinkerton & secondedly W. anderson. John W. Butter. 9:6:05 Minutes of Meeting held on Friday, 9 " June, 1905, in the Edinburgh Institution, 8 Queen 81:, W- 9. W. Butters, En-President, in the chair. The following papers were read: 1. a direct method of offairing the Joei & Directnices from the general eq" (a,b,c,f,g,h Ix,y,) =0, by D. K. Picken. 2. Note on the determination of the uses of a comie, by R.F. Davis, communicated by 9. a. Mc Bride 3. The ratio of Incommensurables in Elementary Geometry by Prof. A. Brown, communicated by the Secretary

Meeting: 9th June 1905

The five caudidales, proposed and seconted by at the previous meeting, were elected ordinary member of the localis. W. D. S. Mc nais, B. St., Ph. Dy H.M. 1. S, Eduisay! was a caudiate for ordinary wembership, perfort by the Decretary & seconded I highen Alison. W. L. Thomses