PROCEEDINGS OF THE LITERARY AND PHILOSOPHICAL SOCIETY OF LIVERPOOL, DURING THE FIFTY-FIFTH SESSION, 1865-66. NO. XX

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LITERARY AND PHILOSOPHICAL SOCIETY OF LIVERPOOL

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LITERARY AND PHILOSOPHICAL SOCIETY

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LONDON: LONGMAN, GREEN, READER, & DYER. LIVERPOOL: DAVID MARPLES, LORD STREET.

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This Volume has been edited by the Honorary Secretary.

The Authors have revised their Papers.			
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The Authors alone are responsible for facts and opinions.	*		
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The Society exchanges Proceedings with other publishing bodies,	X.		
through the Secretary, from whom back numbers may be obtained.	ça,		
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SESSION LV., 1865-66.

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ORDINARY MEMBERS ON THE SOCIETYS BOLL AT THE CLOSE OF THE 55TH SESSION.

> Those marked + are Original Members of the Society. Life Members are marked with an Asterisk.

- Oct. 11, 1838 Aikin, James, 2, Drury-lane, and 4, Gambier-terruce.
- Jan. 8, 1861 Anderson, David, 5, Castle-street, and 7, Church street, Egremont.
- March 7, 1864 Archer, F. jun., B.A. Trin. Coll., Cantab., 10, Rodneystreet, and 5, Fenwick-street.

*Nov. 28, 1853 Archer, T. C., F.R.S.E., F.R.S.S.A., Director of the Industrial Museum, Scotland, Edinburgh.

Dec. 14, 1868 Ashe, Theop. Fielding, 45, South Castle-street, and 4, Dingle-lane.

Feb. 22, 1855 Avison, Thomas, F.S.A., 18, Cook-street, and Fulwoodpark, Aigburth.

OBDINARY MEMBERS.

Dec. 10, 1860 Barr, Rev. Hermann, Ph. D.

Jan. 11, 1864 Bagshaw, John, 87, Church-street, and Canning-terrace, 201, Upper Parliament-street.

May 1, 1854 Bahr, G. W., 4, Cable-street, and 2, South-hill Grove, Aigburth.

May 4, 1863 Bailey, Fras. J., M.R.C.S., 51, Grove-street.

April 17, 1865 Baker, W. J., 24, Fenwick-street.

Dec. 15, 1862 Balman, Thomas, M.D., 6, Bodford-street South.

Oct. 29, 1860 Banister, Rev. W., B.A., St. James's Mount.

Jan. 13, 1862 Barnehson, Arnold, 8, Edmund-street, and Blundellsands, Great Crosby.

Nov. 3, 1862 Behrend, Saml. H., M.A., 24, Clarendon Rooms.

March 9, 1857 Bell, Christopher, Moor-street, and 60, Bridge-street, Birkenhead.

Nov. 14, 1864 Bennett, J. M., St. George's Buildings, Lime-street, and 109, Shaw-street.

Feb. 6, 1854 Bennett, William, St. George's-place, Lime-street, and Lancaster.

Nov. 2, 1863 Billson, Alfred, 10, Cook-street, and 14, Sandon-street.

Oct. 31, 1859 Birch, Jas., 13, The Tomple, Dale-street.

Jan. 25, 1864 Birchall, James, Industrial Schools, Kirkdale.

April 15, 1881 Blake, James, 68, Kitchen-street, and 45, Canning-street.

Mar. 9, 1866 Blood, William, Chamber of Commerce.

Jan. 12, 1863 Bolton, Ogden, Prince's Buildings, Harrington-street, and 10, Great George-square.

*Mar. 6, 1885 Boult, Swinton, 1, Dale-st., and 3, Bedford-street South.

- Nov. 27, 1865 Biggs, Arthur Worthington, Brown's Buildings, and 76, Upper Huskisson-street. (I. Cook and Sons.)
- Oct. 21, 1844 Bright, Samuel, 1, North John-street, and Sandheys, Mill-lane, West Derby.

*Jan. 8, 1855 Brockholes, James Fitzherbert, Puddington Old Hall, near Neston.

Oct. 31, 1864 Bromham. William, 57, South John-street, and 8, Montpellier-terrace, Upper Parliament-street.

Dec. 2, 1861 Browne, G. Mansfield, 15, Fenwick-street, and 15, South-hill-road, Toxteth-Park.

April 21, 1862 Bulley, Samuel, Borough Buildings, and East Lodge, Prince's Park.

April 18, 1864 Burne, Joseph, Royal Insurance Office, 1, North Johnstreet, and Higher Tranmere.

- Mar. 9, 1863 Buxton, David, F.R.S.L., Principal of the School for the Deaf and Dumb, Oxford-street.
- *May 1, 1848 Byerley, Isaac, F.L.S., F.R.C.S., Victoria-road, Seacombe, Taxasuara.
- Feb. 28, 1863 Callon, W.J., M.D., 125, Islington.
- Nov. 3, 1862 Cameron, John, M.D., M.R.C.P., Physician to the Southern Hospital, and Lecturer on Medicine at Royal Inf. Sch. of Med., 17, Rodney-street.
- April 7, 1862 Campbell, John, Liverpool and London Chambers, and Oak-kouse, Aigburth-hall-road.
- Jan. 9, 1865 Cariss, Astrup, Cook-street, and 6, Hope-place.
- April 7, 1862 Cawkitt, James M., Underwriters' Room, Exchange, and 23, Queen's-road, Everton.
- Dec. 2, 1861 Chadburn, William, 71, Lord-street.
- Dec. 1, 1851 Clare, John Leigh, Exchange-buildings, and The Old Hall, Aigherth-road.
- Oct. 31, 1839 Clark, Charles, 17, North John-street, and Linden Cottage, Rock Ferry.
- Jan. 28, 1857 Clay, William, 97, Sefton-street, and 4, Parkhill-road.
- Jan. 22 1866, Cohen, Lewis, S., 44, Randagh-street.
- Jan. 26, 1863 Commine, Andrew, LL.D. Dub., Clarendon-ohambers, I, South John-street.
- Jan. 22, 1850 Cox, Henry, 21, Exchange-alley, and Waterloo.
- Oct. 6, 1862 Crossield, Wm., jun., 28. Temple-st., and Alexandradrive, Ullett-road.
- Feb. 8, 1864 Cuthbert, J. R., 40, Chapel-street, and 40, Huskissonstreet.
- Jan. 26, 1857 Dadabhai Naoroji, Professor of Gujurati, London University, 82, Great St. Holens, London, E.C.
- Nov. 2, 1863 Dawbarn, William, The Temple, Dule-street, and 99, Shaw-street.
- Nov. 27, 1848 Dove, Percy Matthew, F.S.S., 1, North John-street, and Claughton.
- Nov. 27, 1868 Dove, Jno. M., Royal Insurance Office, and Claughton.
- Jan. 23, 1848 Drysdale, John James, M.D. Edin., M.R.C.S. Edin., 44, Rodney-street.
- Oct. 5, 1863 Drysdale, W. G., 7, Elm-terrace, Beech-street, Fairfield, and 14, East side Queen's Dock.
- Feb. 4, 1856 Duckworth, Henry, F.L.S., F.R.G.S., F.G.S., 5, Cookstreet, and 2, Gambier-terrace.

ORDINART MEMBERS.

- *Nov. 27, 1848 Edwards, John Baker, Ph.D. Gies., F.C.S., Montreal. Vice President.
- March 10, 1862 Ellison, Christopher O., Adelphi-chambers, South Johnstreet, and Esplanade, Waterloo.
- April 7, 1862 English, Charles J., 26, Chapel-street, and 26, Falknersquare.
- Feb. 20, 1865 English, C. R., 26, Falkner-square.
- Dec. 14, 1863 Erskine, Robert,
- Nov. 27, 1865 Estill, Fred. Chas., 1, Liverpool and London Chambers.
- Nov. 18, 1850 Evans, Henry Sugden, F.C.S., 52, Hanover-street, and Rainhill Mount, Rainhill.
- April 30, 1860 Fabert, John Otto William, 1, Parliament-street, and 3, St. James' Mount.
- Oct. 81, 1864 Fearenside, William, 5, Cook-street, and Seacombe.
- *Dec. 13, 1852 Ferguson, William, F.L.S., F.G.S., Oriel-chambers, and 2, St. Aidan's-torrace, Birkenhead.
- Feb. 9, 1868 Finlay, William, Senior Mathematical Master, Middle School, Liverpool College, and 49, Everton-road.
- *April 3, 1837 Flotcher, Edward, 4, India-buildings, and 31, High Park-street.
- *Mat. 19, 1855 Foard, James Thomas, 5, Essex-court, Temple, E.O.
- *Feb. 6, 1854 Gee, Robert, M.D. Heidelb, M.R.C.P., Lecturer on Discasses of Children, Royal Infirmary School of Med.; Physician, Workhouse Hospital; 5, Abereromby-square.
- March 4, 1861 Ginsburg, Rev. Christian D., LIAD. Glasg., Brooklea, Aighurth-road. VICE PRESIDENT.
- Feb. 20, 1865 Gordon, Rev. A., M.A., 49, Upper Parliament-street.
- Dec. 2, 1861 Graves, Samuel R., M.P., Baltic-buildings, and The Grange, Wavertree.
- Oct. 5, 1963 Gray, Jno. M'Farlane, Vauxhall Foundry, and 80, Prince Edwin-street.
- Nov. 14, 1853 Greenwood, Henry, 32, Castle-strest, and Roseville, Huyton.

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- Jan. 22, 1855 Hakes, James, M.R.O.S., Surgeon to the Northern Hospital, Hopo-street.
- Feb. 23, 1863 Hall, Charlton R. 17, Dale street, and 111, Shawstreet.
- *Jan. 21, 1856 Hardman, Lawrence, b, India-buildings, and Rockpark, Rock Ferry.

ORDINARY MEMBERS.

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Feb.	9,	1863	Hart, Thos. Aubrey, M.A. Oxon, 81, Bedford-street South.
Feb.	6,	1865	Hassan, Rev. E. Alma-terrace, Sandown-lane.
Nov.	18,	1865	Hayward, John Williams, M.D., 15, Mount Vernon- road.
Feb.	в,	1865	Hebson, Douglas, 18, Tower-chambers, and 58, Bedford- street South.
March	8,	1865	Hey, John, M.R.C.S., 126, Islington.
Dec.	0.2525		Higgins, Rev. H. H., M.A. Cantab., F.C.P.S., Rainkill.
*Oct.	81,	1838	Higginson, Alfred, M.R.C.S., Surg. Southern Hosp., 44, Upper Parliament-street.
Nov.	18,	1863	Holden, Adam, 48, Church-street, and 6, Carlton-terrace, Milton-road.
Nov.	18,	1854	Holland, Charles, 70, Tower-buildings South, and Liscard-vale, New Brighton.
*Dec.	14,	1862	Holt, Robert Durning, 6, India-buildings, and 2, Rake- lane.
March	22,	1847	Horner, Henry P., 2 Derby-square, and 5, Devonshirs- road, Prince's-park.
Jan.	9,	1865	Howse, Rev. E., 4, Bold-street, Southport.
Nov.	4,	1850	Howeon, Rev. John S., D.D. Trin. Col., Cantab., Wisbcach Rectory.
Dec.	27,	1841	Hume, Rev. Abraham, D.C.L. Dub., LL.D. Glas., F.S.A., 24, Fitz-Clarence-street, Everton.
Nov.	28,	1864	Humphreys, William, Vauxhall Foundry.
*Nov.			Hunter, John, Member Hist. Society Pennsylvania, Halifax, Nova Scotia.
Jan.	18,	1862	Hutchison, Robert, Barned's-buildings, Sweeting-street, and 6, Canning-street.
Jan. '	28,	1857	Hutton, David, S, St. George's cressent, and 61, Canning- street.
*April	29,	1850	Inne, William, Ph. D. Bonn, Villa Felseck, Heidelberg.
Feb.			Imlach, Henry, M.D. Edin., 1, Abercromby-square.
Nov.			Imlach, Henry, jun., 1, Abercromby-square.
			Inman, Thomas, M.D. London, M.R.C.P., Physician Royal Infirmary, 12, Rodney-st., and Spital, Obeshire.
Nov.	28,	1864	Jeffery, F. J., Compton House, and Woolton Hall,

Woolton.

March 10, 1862 Johnson, Richard, Queen Insurance Buildings, and Brookfield House, Seaforth.

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