

# Index

Acland, T. D. 32 adult education 18, 22, 25–6, 53–4 Ancoats, mechanics' institute 25 Ancoats, Working Men's College 54 Anderson, John 25 aniline dye 27 Apothecaries' Act 1815 46 apprenticeship indentures 13 Arkwright, Sir Richard 36 Arnold, Thomas 35–6 athleticism 35 Australia 7

Baker, W. P. 3, 4, 7, 8 Bamford, T. W. 36-7 bankers 37 Beale, Dorothea 57, 58 Bedford College, London 56 Bell, Rev. Andrew 13 Bentham, Jeremy 47, 50, 51 Benthamites 18, 25, 42, 47, 50 Bethnal Green Academy 21 bills of exchange 13 Birkbeck, George 25-6 Birmingham 22 Birmingham Chartist Hall 54 Birmingham Medical School 46 Birtwistle, C. 6, 8 Bishop, J. H. 36 Bishop, Matilda 57 Blackburn 8 Black Dwarf 18 Black, Joseph 24, 25 bleach 24 **Board Schools 33** Boerhaave, H. 24 Bolton 7, 8 **Bolton Mechanics' Institute 25** book production 18 Boulton, Mathew 22, 36

Brereton, J. L. 33 Bristol 4, 14-15 **Bristol Grammar School 32 Bristol Medical School 46** British and Foreign School Society 13, 14, 18 Brougham, Henry 25, 26, 47, 51, 52 Buchanan, James 52 **Burnley 8** Bury 7, 8 business education 21, 31 businessmen 21, 23, 25, 31, 36, 37, 40, 47-8, 59 Buss, Frances Mary 57, 58 Butler, H. M. 35

cadet corps 35

Caldicott, J. W. 32 Cambridge University 20, 21, 32, 34, 39-46, 47, 57-8, 59 Cambridge University Act 1856 44 Cambridge Working Men's College 54 canals 5, 10 capital building grants 14 capitation grants 14 carpenters 10 Carroll, Lewis 57 Catholicism 2, 11, 53 charity schools 2, 5, 12 Charterhouse 33 Chartist Halls 53 Chartists 11, 26, 53 Cheap Repository tracts 18 Cheltenham 33 Cheltenham Ladies' College 57 Cheltenham Mechanics' Institute 26 chemistry 24, 26 Cheshire 2, 4, 30



#### 76 Index

child labour 5, 17, 52 Davy, Humphrey 23 Deane 7, 8 Chorley 7, 8 Chrestomathia (1816) 51 Department of Science and Art 27 Christian Socialists 54, 56 Derby Philosophical Society 22 Church of England 2, 11, 15, 37, 40, Derbyshire 2, 4 Devon 6, 8 46, 47, 53, 54 civic universities 45-6, 47, 48, 62 Devonshire Commission (Scientific Instruction) 48 civil service 43, 48 Dickens, Charles 18 classical economists 52 diocesan teacher training colleges Classical Tripos, Cambridge 39 classics 30-2, 39, 40, 41, 42, 43 15-16 clergy 40, 44, 59 Discourses on University Education clerks 10 (1852)43Cleveland Commission 1875 45, 62 Dissenting Academies 20-2 Clifton 33 domestic science 56 Clitheroe 8 Dove, Frances 57 Clough, Anne 58 Dublin 43 Durham University 46, 58 Cobbett, William 18 Cobden, Richard 46 Dyche, Thomas 2 coffee houses 22 Coleman, D. C. 37 East Anglia 17, 22 Eccleston 7, 8 Colet, Dean 31 Edgeworth, R. L. 42 colleges at Oxford and Cambridge 41, 42, 44 Edinburgh University 21, 24, 58 Committee of Privy Council for Elcho, Lord 35 Education 14, 51 Eldon, Lord 31 compulsory education 16-17, 19 Elementary Education Act 1870 16, Concordat 16 19,62 Condorcet, A.-N. de C. 50, 51 endowed schools 30-3 Continental revolutions 48 Endowed Schools Act 1869 33, 58 convicts 7-8 **Endowed Schools Commission** Co-operatives 26 (Taunton) 33, 58 Copleston, Edward 43 **Endowed Schools Commissioners** costs at Oxford and Cambridge 41 32-3,62 Cotton, G. E. L. 35 English Woman's Yournal 56 cotton factories 5, 10 esparto grass paper 18 Crafts, N. F. R. 61 craniometry 59-60 42 Cranleigh 33 Cullen, William 25 Evangelicals 53 curriculum: Sunday schools 5-6; Exeter 32 elementary 17; Dissenting Academies 20-1; grammar Factory Act 1833 17, 53 schools 31-2; Oxford and factory schools 17, 53 Cambridge 39-46; working-class girls 55-6; Queen's College, Faraday, Michael 23 Harley Street 56; Cheltenham Farrer, F. W. 35 Ladies' College 57

Dalton, John 21 Davies, Emily 57-9

Essays in Professional Education (1809) Eton College 22, 33, 35, 36, 37 Falmouth Mechanics' Institute 26 fellowships at Oxford and Cambridge Ferguson, James 22 Forster, W. E. 62



Index 77

Framlingham 33 France 27, 29, 48, 58 Gardner, Philip 15 Gaubius, H. D. 24 Germany 19, 41, 48, 58, 63 Giggleswick 33 Girton College, Cambridge 57, 58, 59,60 Glasgow 25 Glasgow University 24, 25 Gloucester diocese 4 Godwin, William 50 Goodacre, Robert 21 Gott, Benhamin 25 governesses 56 Governesses' Benevolent Institution government expenditure on education 14, 15, 16, 26, 27 Gowing, Margaret 62 grammar schools 5, 30-3, 55, 58 Great Exhibition 26-7 Great Harwood 8

Grote, George 51

Halifax 4, 6 Halifax Working Men's College 54 hand-loom weavers 5, 10 Hans, Nicholas 20 Hardwicke (Lord), Marriage Act 1753 2 Harrow 33, 35, 37 Hartwell, R. M. 4 Headmasters' Conference 33 Helvétius, C.-A. 49, 50, 51 High Anglicanism 33 Higher locals 32 Hill, Octavia 57 history 17, 42, 45, 57 Hitchin 58 HMI 14, 16 Hofmann, A. W. 26 Holborn Chartist Sunday School 54 Holden, H. A. 32 Holland 19, 21, 24 Homerton Academy 21 home tutors 30, 34 Houston, R. A. 3

Guide to the English Tongue (1709–96)

Hoxton Academy 21 Hughes, Thomas 35, 54 Hume, Joseph 47, 51 Hurstpierpoint 33

industrial careers, public schoolboys 36-7 infant school movement 51-3 Inkster, Ian 22, 26 Ipswich 30 Ipswich grammar school 32 Italy 58

Japan 1 Jena 29 Jessop, A. 32 Jex Blake, Sophia 57 Johnson, Richard 11, 54 Journal of Natural Philosophy 23

Kay Shuttleworth, Sir James 14, 15 Keir, James 22, 24 Kendal Academy 21, 24 King's College, London 47 Kingsley, Charles 35, 54 Kings Lynn 4 Kirkham 7, 8

laboratory building 42 Lady Margaret Hall, Oxford 59, 60 Lancashire 2, 4, 7, 8, 10, 21, 52 Lancaster, Joseph 13 Lancasterian movement 51 Lancing 33 latent heat 24 Laquer, T. W. 6, 7, 8, 15 law 36, 45, 47 lead chamber process 24 Leamington Spa 6, 7, 8 Leblanc process 24 Leeds Grammar School 31 Leeds Mechanics' Institute 25, 26 Leeds Medical School 46 Leeds Yorkshire College of Science Leicester Chartist Hall 54 Leicester Working Men's (Vaughan) College 54 Leicestershire 30 Leiden 24 letter writing 13, 19



## 78 Index

Liebig, J. von 26

liberal education 23, 42-4

literacy 1-19, measurement 1-2; early eighteenth century 2-3; late eighteenth and early nineteenth century 2-10; mid-nineteenth century 10-11; late nineteenth century 62, female 3, 6, 8, 55; relevance for industrial society 9-10, 12-13; GNP and 19 Literae Humaniores 45 Literary and Philosophical Societies Liverpool Mechanics' Institute 25 Liverpool Medical School 46 local examinations 32, 58 Locke, John 20, 49 London 16, 54 London Infant School Society 52 London Mechanics' Institute 25 London University 47, 51, 57 London Working Men's Association Lovett, William 53 Lowe, Robert 14 Lowe, R. 48 **Lunar Society 22** Macmillan, Alexander 35 Malthus, Thomas 18, 50 Malvern 33 Manchester 7, 8, 46 Manchester Academy 21 Manchester Chartist Hall 54 Manchester College 23 Manchester Grammar School 32 Manchester Literary and Philosophical Society 22 Manchester Mechanics' Institute 25 Manchester Medical School 46 Marlborough 35, 37 Marshall, John 25 Martineau, Harriet 18 masons 10 Mathematical Tripos, Cambridge 39 mathematics 17, 39, 40, 43, 57 Maurice, F. D. 54, 56 McCann, Philip 11 mechanics 10

medicine 37 Merchant Taylors 33, 37 middle-class private schools 30 Midlands 22 militarism 35 Mill, James 50, 51 Mill, J. S. 44 mines 5, 11, 12 mining education 46 'Miss Pinkerton's' 55, 56 Mitchinson, J. 32 monitorial system 13, 15 Moorfields Academy 21 Moral Sciences Tripos Cambridge 45 More, Hannah 18 Mundella Act 1880 17 National Rifle Association 35 National Sciences Tripos, Cambridge 45 National Society 13, 14, 15, 16, 17, 56 National Union of Elementary School Teachers 16 Newcastle 46 Newcastle Commission (Elementary Education) 14 Newcastle Medical School 46 Newchurch-in-Pendle 8 Newington Green Academy 21 Newman, J. H. 43, 46 New Museum, Cambridge 45 Newnham College, Cambridge 59 New Institute for the Formation of Character 53 New Lanark 52 Newton, Isaac 21 Nicholas, Stephen 7, 9, 10, 61 Nonconformists 2, 11, 13, 21-2, 36, 37, 40 Northampton 4 North London Collegiate School 57, North of England Council for the Promotion of the Higher Education of Women 58 Norwich School 32 Norwood 17 Nottingham 4, 6, 10, 22-3 Nottingham Chartist Hall 54

Nussey, G. H. and A. 27

mechanics' institutes 25-6, 53-4

medical education 24, 46



Index

79

Oldham Chartist Hall 54 Oriel College, Oxford 43 O'Shaughnessy, F. 7, 8 overseers 10 Owen, Robert 50, 51, 52, 53 Owens College, Manchester 46, 59 Owens, John 46 Oxford 4 Oxford and Cambridge Schools **Examining Board 32** Oxford and Cambridge Universities Act 1877 44 Oxford Archdeaconry 4 Oxford University 20, 21, 32, 34, 39-46, 47, 58, 59 Oxford Working Men's College 54 Paine, Tom 18, 50 Paris Exhibition 1867 27, 62 Parliamentary Reform Act 1867 13 Pattison, Mark 41 Penny Post 19 Penzance 4 Percival, John 35 Perkin, W. H. 27 Peterborough 22

Philosophical Magazine 22 philosophy 43 Pickwick Papers (1836-7) 18 Plumb, J. H. 30 Political Justice (1793) 50 Political Register 18 Poor Law 12 Poor Law Schools 17 population: literacy and 2-4; women in 17, 55-6; university graduates in 48 Porter, Roy 23 power-loom weavers 10 Preston 7, 8 Priestley, Joseph 21, 22 Prince Albert 26 prisons 12, 16, 17, 23 private working-class schools 14 Prussia 12, 27, 29, 47 Public Examination, Oxford 39 Public Libraries Acts 1850 18 public schools 33-8; factors in rise 33-4; curriculum 34; Public Schools Commission (Clarendon) 34; Public Schools

Act (1868) 35; social class of pupils 36; careers of pupils 36–7; employment and 37; girls' public schools 56–8 pupil teachers 15

Queen's College, Harley Street 56–8 Queen's scholarships 15

ragged schools 16 Ragged School Union 16 Raikes, Robert 5, 12 Rathmell Academy 21 Rawthmell's coffee house 22 Ray, John 20 reading matter 2, 18 Registrar General 11 Religious Tract Society 18 Reply to the Calumnies of the Edinburgh Review 1810 43 research 41, 43-4 Revised Code 1862 17 Ridding, George 35 Rigaud, S. R. 32 Rights of Man (1791) 18, 50 Roebuck, Arthur 51 Roebuck, John 22, 24 Roedean 57 Rossall 33 Rothblatt, Sheldon 42 Rotherham, Caleb 21, 24 Rotherham Mechanics' Institute 26 Royal College of Chemistry 26 Royal College of Surgeons 46 Royal Commission on Cambridge 1852 44 Royal Commission on Oxford 1852 44 Royal Holloway College 57 Royal Institution 23 Royal School of Mines 26 Royal Society fellows 21 Royal Society of Arts 22 Royle, E. 26 Rugby 22, 33, 34, 35, 36 Russia 1, 51

St Helens 7, 8 St Leonards 57 St Paul's 31, 33 Salford Working Men's College 54 Sandberg, Lars 19, 61



## 80 Index

Sanderson, M. 6, 9, 10 Sargent, W. L. 3 Samuelson, Bernhard 27 Sandhurst 34 Scandinavia 19 Schofield, R. S. 6, 9, 10 Scholarships at Oxford and Cambridge 42 School Attendance Committees 15 School Boards 16, 19, 62 School of Law and Modern History, Oxford 45 School of Mathematics and Physics, Oxford 39 School of Natural Sciences, Oxford science: elementary education 17; academies 20-2; lecturers 22; publishing 22-3; clubs 22-3; Scottish 23-5; South Kensington and 26-7; examinations in schools 26-7; textbooks 34-5; public schools 34-5; Oxford and Cambridge 39-40, 42, 45; London 47 Scotland 23-5, 29, 47 Scott, A. J. 46 Sedburgh 33 self-interest 52-3 Senate House Examination, Cambridge 39 separate condenser 24 Sheffield 22 Sheffield Mechanics' Institute 26 Sheffield Medical School 46 Sheriffhales Academy 21 Shrewsbury 33 Shrewsbury Academy 21 Silver, Harold 54 Smith, Adam 50 Smith, Sydney 42 Smith, W. H. 18 social control 11 social origins: public school boys 36-7; Oxford and Cambridge undergraduates 39-40 Social Science Association 56 social unrest 11 Society of Apothecaries 46 Society for the Diffusion of Entertaining Knowledge 18

Society for the Diffusion of Useful Knowledge 18, 51 Society for the Promotion of Christian Knowledge (SPCK) 2, Somerville College, Oxford 59 South Kensington 26-9 Spalding 22 Spitalfields 11, 52 Stamp Act 1819 18 steam printing 18 Stephens, W. B. 9 Stockport 6, 7, 8 Stone, Lawrence 3, 4, 6, 9 Sunday Schools 5, 6, 12 Sutherland, Gillian 59 Switzerland 19, 52

teaching training 15–16
Technical High Schools (German) 29
Temple, Frederick 35
Thirty-Nine Articles 40
Toleration, Act of (1689) 20
Tompson, R. S. 31, 32
Trinity College, Cambridge 43

Uniformity, Act of (1662) 20

United States of America 13, 63
universities 39–48; see also individual
universities under the names of their
respective cities
Universities' Religious Tests Act
1871 44
University College London 47, 53
university extension movement 54,
62
unstamped press 18

Vanity Fair 55
Vaughan, Henry Halford 41
Vincent, David 11
Virginia 47
vitriol (sulphuric acid) 24
Volunteer Rifle Clubs 35

Walker, Adam 22 Walker, F. W. 32 Warltire, John 22 Warrington Academy 21, 23 Watt, James 22, 24 Wedgwood, Josiah 22



### Index 81

West, E. G. 14 West London Lancasterian Association 51 Westminster School 33 Westminster Infants' School 51 Whalley 8 Whewell, William 43 Wilderspin, Samuel 52 Wilkinson, Rupert 36 Wilson, J. M. 35 Winchester College 33, 35, 36 Wisdom of God Manifest in the Works of Creation (1691) 20 Wollstonecraft, Mary 55 Wolverhampton Working Men's College 54 women's education 47-52; and

literacy 6, 8, 55; need for 55; and working class 56; in grammar schools 56–8; university education 58–9; opposition to 59–60 women's suffrage 56, 58, 60 Woodard, Canon 33 Worcester 10 workhouse 16, 17 Working Men's College (London) 54 wrights 10

years of schooling 10 York 23 Yorkshire 22 Yorkshire College of Science 27 Yorkshire, East Riding 3, 7, 8