Notes on the Authors

Mervyn C. Alexander is the Supervisor of Examinations in the Ministry of Education of Trinidad & Tobago. He is also the local registrar in Trinidad & Tobago of the Caribbean Examinations Council. His career in the government service commenced in 1957 and has included 13 years as Secretary of the National Training Board and Secretary of the Metrication Board.

Leonora Archer is Senior Education Officer in the Testing and Evaluation Section of the Ministry of Education & Training of the Bahamas. She has previously been vice-principal of the government secondary school, and Chief Examiner for the Bahamas Junior Certificate of Secondary Education English Language Examinations. She lectures part-time in the Education Division of the College of the Bahamas.

Sir Roy Augier was Chairman of the Caribbean Examinations Council from 1986 to 1996. He has played an active developmental role in the CXC since its foundation in 1972. He is also a professor of history at the University of the West Indies in Jamaica. In 1996 he was knighted in recognition of his services to education in the region.

Surendra Bissoondoyal is Director of the Mauritius Examinations Syndicate. He was previously an Education Officer in the Ministry of Education, and the first Secretary of the Mauritius Institute of Education. He is also Pro-Chancellor and Chairman of the Council of the University of Mauritius, and Chairman of the Editions de l'Océan Indien publishing company. He is also active in the International Association for Educational Assessment, of which he is one of the officers.

Mark Bray is Director of the Comparative Education Research Centre at the University of Hong Kong. He has extensive experience of work in small states, and has written both academic articles and practical resource books on aspects of educational planning and management in small states. Much of his previous work on this topic has been conducted for the Commonwealth Secretariat. He is the editor of Ministries of Education in Small States: Case Studies of Organisation and Management (London: Commonwealth Secretariat, 1991); author of Educational Planning in Small Countries

(Paris: Unesco 1992); and co-author, with Steve Packer, of *Education in Small States: Concepts, Challenges and Strategies* (Oxford: Pergamon Press, 1993).

Sangay Dorjee is Assistant Secretary for Research and Analysis in the Bhutan Board of Examinations. He has worked for the government's Education Division since 1989, having begun his career as Assistant Administrative Officer for school procurement and supplies. He joined the Bhutan Board of Examinations in 1991. He holds an M.Ed. degree in measurement and evaluation from the University of Manchester (UK).

Jan Erasmus works in the Directorate of National Examinations & Assessment (DNEA) in the Namibian Ministry of Basic Education & Culture. He holds degrees from three universities in South Africa, and has been both a school teacher and a university lecturer in that country. In 1980 he became a subject adviser in what was then called the Department of National Education in South West Africa, and he joined the examinations branch in 1985. He became Deputy Director of the DNEA in 1990.

Dennis Irvine is the Caribbean Regional Adviser to the President of the Commonwealth of Learning. From 1969 to 1982 he was Vice-Chancellor of the University of Guyana. He has also worked as UNESCO Science Adviser to the Caribbean (1983-88), and in 1989 became Director of Caribbean Programmes and Materials Acquisition & Development at the Commonwealth of Learning. Dr Irvine was Chairman of the Caribbean Examinations Council from 1974 to 1979, and retained close links with the Council during the two following decades.

Mohammed S. Khan started his career as a teacher in Guyana. He went on to become a headteacher, education officer, and Deputy Chief Education Officer in the Ministry of Education. He retired in 1997 as Chief Education Officer.

Serara Moahi works in the Examinations Research & Testing Division of the Ministry of Education in Botswana. She has extensive experience of examinations, both locally and internationally, and has written several publications on the topic.

Mike Murtagh is the former Executive Secretary of the New Zealand Universities Entrance Board. During his period of office, he had extensive dealings with authorities in the small states of the South Pacific, and with

the South Pacific Board for Educational Assessment. From 1990 to 1993, he was General Manager of the Assessment and Certification Division of the New Zealand Qualifications Authority.

Matthew Ndure is Head of the National Office of the West African Examinations Council in the Gambia. He has detailed knowledge and long experience of the Council, having worked for it since 1977. He took over the Headship of the National Office in 1995. His early training at university was in the field of English. He obtained a BA (Hons) from the University of Sierra Leone in 1971, and subsequently earned a Dip.Ed. and an M.Ed. from the University of Exeter. He had taught in a high school for five years.

Juliet Persico started her career as a teacher in Guyana. She was then promoted to Graduate Senior Mistress, before joining the Ministry of Education as Assistant Superintendent of Examinations. She is now Superintendent of Examinations, and is also Local Registrar for the Caribbean Examinations Council.

Trevor Rees was Director of the South Pacific Board for Educational Assessment for the period 1984-92. He is now a coordinator within the Basic Education and Life Skills (BELS) Programme, which is a regional education project concerned with children's literacy acquisition in Pacific island schools. His career includes lengthy periods of assessment work in Zambia, Swaziland, Brunei Darussalam, Libya and Australia before settling in Fiji.

John Sadler is Deputy Director of the International Development Division, University of Cambridge Local Examinations Syndicate. His main expertise is in Assessment and he helped the University of Cambridge Local Examinations Syndicate to develop the International General Certificate of Secondary Education and the Modular Banking System (MBS). Mr Sadler looks after many projects world wide, including those in Africa and the Caribbean. He joined UCLES in 1986, prior to which he taught in a variety of schools for 25 years. He is the author of many books on Chemistry.

Lafi Sanerivi is Assistant Director of Education, responsible for the Curriculum & Examination Unit of Western Samoa's Department of Education. His formal education includes university studies in New Zealand and Australia. He has taught in secondary schools and also in the Teachers College in Western Samoa.

Gurmit Singh is Programme Manager of the multi-donor regional basic education Basic Education and Life Skills (BELS) programme, which is being executed by the University of the South Pacific (USP) for 11 Pacific island countries. Formerly he was a curriculum coordinator and principal of a training college with the Fiji Ministry of Education. At the USP, he has been involved in teaching assessment and curriculum courses, and in action research especially at the primary school level.

Janet Stanley-Marcano is Director of the Educational Research and Evaluation Division in the Ministry of Education in Trinidad & Tobago. Her career includes 25 years of involvement in teaching and classroom evaluation in primary schools, tertiary institutions and nonformal education. She holds an EdD in Research and Evaluation, and is one of the chief evaluators and researchers in the field of education in the Caribbean.

Michael Steer is former Secretary of the New Zealand School Certificate Examination Board. Since 1990 he has been Manager of Examinations for the New Zealand Qualifications Authority. In these capacities, he has had extensive dealings with the governments and school authorities in the small states of the South Pacific.

Lucy Steward is Chief Programme Officer in the Human Resource Development Division of the Commonwealth Secretariat. Her areas of responsibility include human resource development in small states. Before joining the Secretariat, she was Chief of Education at the Caribbean Community (CARICOM) Secretariat, which is located in Guyana.

Ronald Sultana is Dean of the Faculty of Education at the University of Malta. He is also coordinator of the Comparative Education Programme, and former Head of the Department of Foundations in Education. He was a teacher and counsellor in state schools in Malta and England, and gained his doctorate from the University of Waikato in New Zealand. He has written extensively in the field of sociology of education. His books include Themes in Education: A Maltese Reader (1991), Education and National Development: Historical and Critical Perspectives on Vocational Schooling in Malta (1992), and Careers Education and Guidance: Issues and Challenges (with Joseph Sammut, 1997). He is also the founding editor of the Mediterranean Journal of Educational Studies.

Leroy M. Sumner is the Deputy Secretary in the Ministry of Education & Training in the Bahamas. Previous to this appointment he was Assistant

Director in charge of the Testing & Evaluation Unit of the Ministry. He has also served as principal of several schools in the Family Islands, and as an examiner for Social Studies and Religious Education. Mr Sumner is a part-time lecturer for the University of the West Indies and the College of the Bahamas.

Ibrahim Waheed works in the Ministry of Education in the Maldives. At the time this chapter was written, he was responsible for the Department of Public Examinations. He has since transferred to take responsibility for nonformal education. He is a graduate from the American University in Beirut, Lebanon. He also has experience in television, and in teaching English as a foreign language to adults.

References

- Appleyard, R.T. & Stahl, Charles W. (1995): South Pacific Migration: New Zealand Experience and Implications for Australia. Canberra: AusAID.
- Archer, Margaret (1984): Social Origins of Educational Systems. university edition, London: Sage.
- Atchoarena, David (1993): Educational Strategies for Small Island States. Fundamentals of Educational Planning No.44, Paris: International Institute for Educational Planning.
- Attard, L.E. (1994): 'Emigration', in Frendo, H. & Friggieri, O. (eds.), *Malta: Culture and Identity*. Valletta: Ministry of Youth and the Arts, pp.253-70.
- Bacchus, Kazim & Brock, Colin (eds.) (1987): The Challenge of Scale: Educational Development in the Small States of the Commonwealth. London: The Commonwealth Secretariat.
- Bailey, Barbara (1990) 'Strategies Utilised to Introduce a Caribbean Examinations Council', Bulletin of the Major Project in the Field of Education in Latin America and the Caribbean [UNESCO], Vol.21, pp.57-65.
- Baker, Randall (ed.) (1992): *Public Administration in Small and Island States*. West Hartford, Connecticut: Kumarian Press.
- Baldacchino, Godfrey (1993): 'Bursting the Bubble: The Pseudo-Development Strategies of Microstates'. *Development and Change*, Vol.24, No.1, pp.29-51.
- Baldacchino, Godfrey (1995): 'Labour Formation in Small Developing States: A Conceptual Review'. *Compare*, Vol.25, No.3, pp.263-78.
- Benedict, Burton (1967): 'Sociological Aspects of Smallness', in Benedict, Burton (ed.), *Problems of Smaller Territories*. London: Athlone Press, pp.45-55.
- Boissevain, J. (1965): Saints and Fireworks: Religion and Politics in Rural Malta. London: Athlone Press.
- Botswana, Republic of (1977): National Policy on Education: Government Paper No.1 of 1977. Gaborone: Government Printer.
- Botswana, Republic of (1984): National Development Plan 6 (1985-1991). Gaborone: Government Printer.
- Botswana, Republic of (1994): Revised National Policy on Education: Government Paper No.2 of 1994. Gaborone: Government Printer.

- Box, Ben & Cameron, Sarah (1989): Caribbean Islands Handbook 1990. Bath: Trade & Travel Publications.
- Bradbury, R.J. (1983): *University of Cambridge Local Examinations Syndicate*. Cambridge: University of Cambridge Local Examinations Syndicate.
- Bray, Mark (1991a): 'Education in Small States: Growth of Interest and Emergence of a Theory', *Prospects*, Vol.XXI, No.4, pp.503-16.
- Bray, Mark (ed.) (1991b): Ministries of Education in Small States: Case Studies of Organisation and Management. London: The Commonwealth Secretariat.
- Bray, Mark (1992): Educational Planning in Small Countries. Paris: UNESCO.
- Bray, Mark (1997): 'Regional Examination Councils and Geopolitical Change: Commonality, Diversity, and Lessons from Experience', paper presented at the Oxford Conference on Education and Development, 11-15 September.
- Bray, Mark (1998): 'National Self-Determination and International Dependence: The Organisation and Control of Secondary School Examinations in the Small States of the Commonwealth', Assessment in Education, Vol.8.
- Bray, Mark with Charles, H., Farrugia, C., Packer, S. & Swartland, J. (1991): Making Small Practical: The Organisation and Management of Ministries of Education in Small States. London: The Commonwealth Secretariat.
- Bray, Mark & Packer, Steve (1993): Education in Small States: Concepts, Challenges and Strategies. Oxford: Pergamon Press.
- Broadfoot, Patricia (ed.) (1984): Selection, Certification and Control: Social Issues in Educational Assessment. Lewes: The Falmer Press.
- Broadfoot, Patricia (1986): GCSE: Examining the New System. London: T. Horton.
- Broadfoot, Patricia (1989): 'Records of Achievement and the GCSE', in Cosin, B., Flude M. & Hales, M. (eds.) School, Work and Equality: A Reader. London: Hodder & Stoughton.
- Broadfoot, P., Murphy, R. & Torrence, H. (1990a): 'Introduction', in Broadfoot, P., Murphy, R. & Torrence, H. (eds.) *Changing Educational Assessment: International Perspectives and Trends*. London: Routledge, pp.1-3.
- Broadfoot, P., Murphy, R. & Torrence, H. (eds.) (1990b): Changing Educational Assessment: International Perspectives and Trends. London: Routledge.
- Brock, Colin (1984): Scale, Isolation and Dependence: Educational

- Development in Island Developing and other Specially Disadvantaged States. London: The Commonwealth Secretariat.
- Brown, C. & Wilde, A. (1991): 'The Spirit of GCSE', British Journal of Sociology of Education, Vol.9, No.1, pp.123-28.
- Bude, Udo & Lewin, Keith (eds.) (1997): Improving Test Design. Vol.1: Constructing Test Instruments, Analysing Results and Improving Assessment Quality in Primary Schools in Africa. Vol.2: Assessment of Science and Agriculture in Primary Schools in Africa: 12 Country Cases Reviewed. Bonn: German Foundation for International Development.
- Caldwell, J.C., Harrison, G.E. & Quiggin, P. (1980): 'The Demography of Micro-States'. World Development, Vol.8, No.12, pp.953-67
- Caribbean Examinations Council (CXC) (1996) Annual Report 1996. Bridgetown, Barbados: Caribbean Examinations Council.
- Cassar, R. (1991): Stress as Experienced by the Junior Lyceum Oriented Pupils. B.Ed.(Hons.) dissertation, University of Malta.
- Caston, Geoffrey (1993): 'Higher Education in the South Pacific: A Political Economy'. *Comparative Education*, Vol.29, No.3, pp.321-32.
- Central Office of Statistics (1994): *Education Statistics: 1992-1993*. Valletta: Government Printing Press.
- Chapman, David W. & Levens, Marie E. (1996): Suriname Education Sector Study. Washington DC: Academy for Educational Development.
- Cieutat, Victor J. & Snyder, Conrad W. (eds.) (1975): The University of Botswana, Lesotho and Swaziland Schools Examinations Council Development Plan (1976-1985). Maseru, Lesotho: The University of Botswana, Lesotho and Swaziland Schools Examinations Council.
- Commonwealth Secretariat, The (1986): Educational Development: The Small States of the Commonwealth Report of a Pan- Commonwealth Experts Meeting, Mauritius, 1985. London: The Commonwealth Secretariat, Education Programme.
- Commonwealth Secretariat, The (1987): A Pan-Commonwealth Meeting on the Supply, Training and Professional Support of Educational Personnel in Multi-Island Situations: Summary Report. London: The Commonwealth Secretariat, Education Programme.
- Commonwealth Secretariat, The (1988): A Pan-Commonwealth Meeting on the Post-Secondary Colleges in the Small States of the Commonwealth: Summary Report. London: The Commonwealth Secretariat, Education Programme.
- Commonwealth Secretariat, The (1995): Small States: Economic Review and Basic Statistics. London: The Commonwealth Secretariat.
- Commonwealth Secretariat, The (1996): Examination Systems in Small States: Report of a Pan-Commonwealth Workshop, Bridgetown,

- Barbados, 6-10 May 1996. London: The Commonwealth Secretariat.
- Commonwealth Secretariat, The (1997): Management of Tertiary Institutions in Small States: Report of a UNESCO/Commonwealth Workshop, St. George's, Grenada, 18-21 March 1997. London: The Commonwealth Secretariat.
- Connell, John (1986): 'Small States, Large Aid: The Benefits of Benevolence in the South Pacific', in Eldridge, P., Forbes, D. & Porter, D. (eds.), Australian Overseas Aid: Future Directions. Sydney: Croom Helm, pp.57-78.
- Connell, John (1988): Sovereignty & Survival: Island Microstates in the Third World. Research Monograph No.3, Sydney: University of Sydney, Department of Geography.
- Connell, John (1993): 'Island Microstates: Development, Autonomy and the Ties that Bind', in Lockhart, Douglas G., Drakakis-Smith, David & Schembri, John (eds.), *The Development Process in Small Island States*. London: Routledge, pp.117-47.
- Crocombe, Ron & Meleisea, Malama (1988): Achievements, Problems and Prospects: The Future of the University Education in the South Pacific', in Crocombe, Ron & Meleisea, Malama (eds.), *Pacific Universities: Achievements, Problems and Prospects*. Suva: University of the South Pacific, Institute of Pacific Studies, pp.341-87.
- Crocombe, Ron & Crocombe, Marjorie Tuainekore (1994): Post-Secondary Education in the South Pacific: Present Patterns and Future Options. London: The Commonwealth Secretariat.
- Crossley, Michael & Louisy, Pearlette (1994): 'The Changing Role of the Small State in Higher Education: A Comparison of National and Regional Initiatives in the Caribbean and the South Pacific'. Comparative Education, Vol.24, No.2, pp.109-25.
- Dahl, R.A. & Tuft, E.R. (1973): Size and Democracy. Stanford: Stanford University Press.
- Darmanin, M. (1995): 'Closing Options, Opening Opportunities', in Ventura, F. (ed.) Secondary Education in Malta: Challenges and Opportunities. Valletta: Malta Union of Teachers.
- Derbyshire, J. Denis & Derbyshire, Ian (1989): Political Systems of the World. Edinburgh: Chambers.
- Dolman, Antony J. (1985): 'Paradise Lost? The Past Performance and Future Prospects of Small Island Developing Countries', in Dommen, Edward & Hein, Philippe (eds.), *States, Microstates and Islands*. London: Croom Helm, pp.40-69.
- Dommen, Edward (1985): 'What is a Microstate?', in Dommen, Edward & Hein, Philippe (eds.), States, Microstates and Islands. London: Croom

- Helm, pp.1-15.
- Dommen, Edward & Hein, Philippe (1985): 'Foreign Trade in Good and Services', in Dommen, Edward & Hein, Philippe (eds.), *States, Microstates and Islands*. London: Croom Helm, pp.152-84.
- Douglas, Norman & Douglas, Ngaire (1989): *Pacific Islands Yearbook*. 16th edition, Sydney: Angus & Robertson.
- Eckstein, Max A. (1996): 'A Comparative Assessment of Assessment'. *Assessment in Education*, Vol.3, No.2, pp.233-40.
- Eckstein, Max A. & Noah, Harold J. (1993): Secondary School Examinations: International Perspectives on Policies and Practice. New Haven: Yale University Press.
- Educational Development Conference (1974): 'Directions for Educational Development: A Report Prepared by the Advisory Council on Education Planning'. Wellington: Advisory Council on Education Planning.
- Elley, Warwick (1985a): 'A Review of SPBEA'. Suva, Fiji: South Pacific Board for Educational Assessment.
- Elley, Warwick (1985b): 'Alternative Futures for School Leaving Awards'. *Directions*, Vol.7, No.2, pp.93-104.
- Evans-Anfom, Emmanuel (1992): 'An Address by the Chairman of Council at the Opening Ceremony of the 40th Annual Meeting and the 40th Anniversary Celebration of Council in Accra, March 23, 1992', Appendix F in West African Examinations Council, The, *Annual Report* 1992. Accra: The West African Examinations Council.
- Johnson, Ian (1985): 'The Making of a Precedent: The Evolution of Cook Islands School Certificate'. *Directions*, Vol.7, No.2, pp.105-13.
- Farrugia, C.J. (1991): 'Malta: Educational Development in a Small Island State', *Prospects*, Vol.XXI, No.4, pp.584-94.
- Farrugia, C.J. (1992): 'Autonomy and Control in the Maltese Educational System', *International Review of Education*, Vol.38, No.2, pp.155-71.
- Farrugia, Charles J. & Attard, Paul A. (1989): The Multi-functional Administrator: Educational Development in the Small States of the Commonwealth. London: The Commonwealth Secretariat.
- Farrugia, Charles J. & Attard, Paul A. (1991): 'Malta', in Bray, Mark (ed.), Ministries of Education in Small States: Case Studies of Organisation and Management. London: The Commonwealth Secretariat, pp.228-46.
- Fenech, J. (1994): 'Managing Schools in a Centralized System: Headteachers at Work'. *Educational Management and Administration*, Vol.22, No.2, pp.131-40.
- Fuata'i, Lafita'i (1993): 'An Assessment of Secondary Education in a Small Island State: Implications for Agricultural Education'. *Directions*, Vol.15, No.2, pp.17-27.

- Georges, P.T. (Chairman) (1985): Vulnerability: Small States in the Global Society Report of a Commonwealth Consultative Group. London: The Commonwealth Secretariat.
- Ghai, Yash (ed.) (1990): Public Administration and Management in Small States: Pacific Experiences. Suva/London: The University of the South Pacific/The Commonwealth Secretariat.
- Göttelmann-Duret, Gabriele (1991): Examens et Management de l'Education dans les Pays en Développement. Paris: Institut International de Planification de l'Education.
- Greaney, Vincent & Kellaghan, Thomas (1990): Using Examinations to Improve Education. Vol.1, Findings and Recommendations. Washington DC: The World Bank.
- Greaney, Vincent & Kellaghan, Thomas (1995): Equity Issues in Public Examinations in Developing Countries. Technical Paper No.272, Washington DC: The World Bank.
- Greaney, Vincent & Kellaghan, Thomas (1996): 'The Integrity of Public Examinations in Developing Countries', in Goldstein, Harvey & Lewis, Toby (eds.), Assessment: Problems, Developments and Statistical Issues. Chichester: John Wiley.
- Green, Kathy E. (ed.) (1991): Educational Testing: Issues and Applications. New York: Garland.
- Hein, Philippe (1985): 'The Study of Microstates', in Dommen, Edward & Hein, Philippe (eds.), *States, Microstates and Islands*. London: Croom Helm, pp.16-29.
- Held, D., Anderson J., Gieben, B., Hall, S., Harris, L., Lewis P., Parker N.
 & Turok, B. (eds.) (1983): States and Societies. Oxford: Martin Robertson.
- Higginson, Peter (1991): 'The Experience of Co-operation in Education for and Between the Microstates of the Pacific: Is it Applicable Elsewhere?'. *Prospects*, Vol.XXI, No.4, pp.536-48.
- Husén, Torsten (Chairman) (1977): Education for Kagisano: Report of the National Commission on Education. Gaborone: Government Printer.
- Husén, T., Tuijnman, A. & Halls, W.D. (1992): Schooling in Modern European Society. Oxford: Pergamon Press.
- International Association for Educational Assessment (IAEA) (1996a): Membership List. New Jersey: IAEA.
- International Association for Educational Assessment (IAEA) (1996b): Membership Handbook. New Jersey: IAEA.
- James, Alan (1986): Sovereign Statehood: The Basis of International Society. London: Allen & Unwin.
- Johnston, Ian & Martinez, Michael E. (1995): 'Norm Meets Criteria: Can

- Empirical Analysis Link Cognitive Development Profiles to Achievement Levels?'. *Directions*, Vol.17, No.2, pp.2-16.
- Johnstone, James N. (1987): 'Policy Dilemmas Facing Education in the Pacific', in Throsby, C.D. (ed.), *Human Resources Development in the Pacific*. Canberra: National Centre for Development Studies, The Australian National University, pp.89-104.
- Kahn, Michael (1990): 'Some Questions Concerning the Standards of External Examinations'. *Studies in Educational Evaluation*, Vol.16, No.4, pp.513-27.
- Kedikilwe, P.H.L. (Chairman) (1993): Report of the National Commission on Education 1993. Gaborone: Government Printer.
- Keeves, John (1994): National Examinations: Design, Procedures and Reporting. Fundamentals of Educational Planning No.50, Paris: International Institute for Educational Planning.
- Kellaghan, Thomas & Greaney, Vincent (1992): Using Examinations to Improve Education: A Study in Fourteen African Countries. Technical Paper No.165, Washington DC: The World Bank.
- Kellaghan, T., Sukati, W. & McCabe, James (1989): 'Improving the Quality of Education in Primary and Secondary Schools: Draft Plan to Improve the System of Assessment and Examinations in Swazi Schools'. Mbabane: Ministry of Education.
- Lauwerys, Joseph A. & Scanlon, David G. (eds.) (1969): *Examinations*. World Year Book of Education, London: Evans Brothers.
- Lemon, Anthony (1993): 'Political and Security Issues of Small Island States', in Lockhart, Douglas G., Drakakis-Smith, David & Schembri, John (eds.), *The Development Process in Small Island States*. London: Routledge, pp.38-56.
- Lewin, Keith & Little, Angela (1984): 'Examination Reform and Educational Change in Sri Lanka, 1972-1982: Modernisation or Dependent Underdevelopment?', in Watson, Keith (ed.), *Dependence and Interdependence in Education: International Perspectives*. London: Croom Helm, pp.47-94.
- Lesourd, M. (1988): 'Émigration, Développement et Culture: L'Example de la République du Cap-Vert', in *Culture des Iles et Développement*. Paris: UNESCO, pp.113-33.
- Little, Angela (1990): 'The Role of Assessment, Re-examined in International Context', in Broadfoot, P., Murphy, R. & Torrence, H. (eds.) Changing Educational Assessment: International Perspectives and Trends. London: Routledge, pp.9-22.
- Livingstone, Ian (1985): 'Withdrawal of the New Zealand University Entrance: Implications for the South Pacific'. *Directions*, Vol.7, No.2,

- pp.82-9.
- Lloyd, Marie-Pierre & Packer, Steve (1994): Educational Consultancy in Small States. London: The Commonwealth Secretariat.
- Lowenthal, David (1987): 'Social Features', in Clarke, Colin & Payne, Tony (eds.), *Politics, Security and Development in Small States*. London: Allen & Unwin, pp.26-49.
- Luitjen, Anton J.M. (ed.) (1991): Issues in Public Examinations: A Selection of the Proceedings of the 1990 IAEA Conference. Utrecht: LEMMA.
- Mallia, M.S. (1994): Qualification Inflation: Historical and Critical Perspectives on Credentialism in Malta. M.Ed. dissertation, University of Malta.
- Manners, Lornette E. (1996): oral statement at the Pan-Commonwealth Workshop on Examination Systems in Small States, Bridgetown, Barbados 6-10 May.
- Mathews, John C. (1985): Examinations: A Commentary. London: George Allen & Unwin.
- McCabe, James & Mac Aogain, Eoghan (1989): 'Improving the Quality of Education in Primary and Secondary Schools: A Draft Plan to Improve the System of Assessment and Examinations in Lesotho Schools'. Maseru: Ministry of Education.
- McGee, David L. & Tisdell, Clem (1990): Developmental Issues in Small Island Economies. New York: Praeger.
- Murray, David J. (1981): 'Microstates: Public Administration for the Small and Beautiful'. *Public Administration and Development*, Vol.1, No.4, pp.245-56.
- Murray, David J. (1985): 'Public Administration in the Microstates of the Pacific', in Dommen, Edward & Hein, Philippe (eds.), *States, Microstates and Islands*. London: Croom Helm, pp.185-203.
- Muscat, J. (1995): 'The New Matriculation Certificate Examination'. *The Sunday Times* [Malta], May 7, p.53.
- New Zealand, Task Force to Review Educational Administration (1988): Administering for Excellence: Report of the Task Force. Wellington: Task Force to Review Educational Administration.
- New Zealand, Ministry of Education (1989): Learning for Life Two: Policy Decisions. Wellington: Ministry of Education.
- New Zealand Qualifications Authority (1996): Learning and Assessment: A Guide to Assessment for the National Qualifications Framework. Wellington: New Zealand Qualifications Authority.
- Noah, Harold J. & Eckstein, Max A. (1992): 'Comparing National Systems of Secondary School Leaving Examinations', in Eckstein, Max A. & Noah, Harold J. (eds), Examinations: Comparative and International

- Studies. Oxford: Pergamon Press, pp.3-22.
- Nuttall, Desmond L. (ed.) (1986): Assessing Educational Achievement. Lewes: The Falmer Press.
- Olivera, Carlos E. (1988): 'Comparative Education: Towards a Basic Theory'. *Prospects*, Vol.VIII, No.2, pp.167-85.
- Parsons, Q.N. (1984): 'Education and Development in Pre-Colonial and Colonial Botswana to 1965', in Crowder, Michael (ed.), *Education for Development in Botswana*. Gaborone: Macmillan, pp.21-45.
- Poirine, Bernard (1995): 'A Theory of Aid as Trade with Special Reference to Small Islands', in Poirine, Bernard, *Two Essays on Aid and Remittances*. Pacific Studies Monograph No.19, Sydney: University of New South Wales, Centre for South Pacific Studies, pp.45-80.
- Ralise, N. (1992): 'State of the Art Review on the Localisation of Cambridge Overseas School Certificate Examiners: Effects on Perceptions, Curriculum, Teacher Effectiveness, Testing and Assessment Strategies'. Paper presented at the workshop of the Education Research Network in Eastern and Southern Africa (ERNESA), University of Botswana, Gaborone.
- Rapoport, J., Muteba, E. & Therattil, J.J. (1971): Small States & Territories: Status and Problems. New York: Arno Press.
- Razik, Taher A. (1972): Systems Approach to Teacher Training and Curriculum Development: The Case of Developing Countries. Paris: International Institute for Educational Planning.
- Rees, Trevor (1985): 'The South Pacific Board for Educational Assessment and Regional Fifth Form Certificates'. *Directions*, Vol.7, No.2, pp.71-81.
- Rees, Trevor (1991): South Pacific Board for Educational Assessment: The First Decade 1980-90. Suva, Fiji: South Pacific Board for Educational Assessment.
- Rees, Trevor & Singh, Gurmit (1996): 'Examination Systems in Small States (SW Pacific Region)', paper presented at the Pan-Commonwealth Workshop on Examination Systems in Small States, Bridgetown, Barbados 6-10 May.
- Relang, Cathy O. (1992): 'Curriculum Development in the Marshall Islands Today and Tomorrow', in *Pacific Curriculum Conference March 11-15 1991: Conference Report*. Suva: University of the South Pacific, School of Humanities and the Institute of Education, pp.55-62.
- Renwick, William & Eyers, Vivian (1991): Review: South Pacific Board for Educational Assessment. Suva, Fiji: South Pacific Board for Educational Assessment.
- Rodhouse, John (1991): 'Jersey', in Bray, Mark (ed.), Ministries of Education in Small States: Case Studies of Organisation and Manage-

- ment. London: The Commonwealth Secretariat, pp.209-227.
- Sammut, A. (1995): 'Completing Primary Schooling', in Farrugia, C.J. (ed.), A New Vision for Primary Schools. Valletta: Malta Union of Teachers.
- Schahczenski, Jeffery J. (1990): 'Development Administration in the Small Developing State: A Review'. *Public Administration and Development*, Vol.10, No.1, pp.69-80.
- Scott, Brian T. (1979): 'Bermuda', in Ottobre, Frances M. (ed.), Criteria for Awarding School Leaving Certificates: An International Discussion. Oxford: Pergamon Press, pp.94-8.
- Shand, R.T. (1980): 'Island Smallness: Some Definitions and Implications', in Shand, R.T. (ed.), *The Island States of the Pacific and Indian Oceans:*Anatomy of Development. Monograph 23, Canberra: Australian National University, Development Studies Centre, pp.3-20.
- Sherlock, Philip & Nettleford, Rex (1990): The University of the West Indies: A Caribbean Response to the Challenge of Change. London: Macmillan.
- Singh, Gurmit (1985): 'Examination Changes in Fiji'. *Directions*, Vol.7, No.2, pp.114-19.
- Smith, S. Tyrell (1995): 'The Local Examinations Syndicate Past, Present and Future', in *The Magazine of the Cambridge Society*. Cambridge: University of Cambridge.
- Somerset, Anthony (1997): personal communication to Mark Bray.
- Srinivasan, T.N. (1986): 'The Costs and Benefits of Being a Small, Remote, Island, Landlocked, or Ministate Economy'. *The World Bank Research Observer*, Vol.1, No.2, pp.205-18.
- Stockwell, A.J. (1990): 'Examinations and Empire: The Cambridge Certificate in the Colonies, 1857-1957', in Mangan, J.A. (ed.), *Making Imperial Mentalities: Socialisation in British Imperialism*. Manchester: Manchester University Press, pp.203-20.
- Sultana, R.G. (1992a): Education and National Development: Historical and Critical Perspectives on Vocational Schooling in Malta. Msida, Malta: Mireva.
- Sultana, R.G. (1992b): 'Personal and Social Education: Curriculum Innovation and School Bureaucracies in Malta', *British Journal of Guidance and Counselling*, Vol.20, No.2, pp.164-85.
- Sultana, R.G. (ed.) (1994a): Genituri u Ghalliema Ghal Edukazzjoni Ahjar [Parents and Teachers for a Better Education]. Msida, Malta: Mireva.
- Sultana, R.G. (1994b): 'Vocational Schooling and Economic Development: A Maltese Case Study', *International Journal of Educational Development*, Vol.14, No.1, pp.75-87.
- Sultana, R.G. (1995): 'A Uniting Europe, a Dividing Education?

- Supranationalism, Euro-centrism and the Curriculum', *International Studies in Sociology of Education*, Vol.5, No.2, pp.115-44.
- Sutton, Paul (1987): 'Political Aspects', in Clarke, Colin & Payne, Tony (eds.), *Politics, Security and Development in Small States*. London: Allen & Unwin, pp.1-25.
- Swartland, Jakes (1991): 'Botswana', in Bray, Mark (ed.), Ministries of Education in Small States: Case Studies of Organisation and Management. London: The Commonwealth Secretariat, pp.21-34.
- Taufe'ulungaki, 'Ana (1993): 'Educational Provision and Operation: Regional Dimensions in the South Pacific', in Bacchus, Kazim & Brock, Colin (eds.), *The Challenge of Scale: Educational Development in the Small States of the Commonwealth.* second edition, London: The Commonwealth Secretariat, pp.120-41.
- Tavola, Helen (1991): Secondary Education in Fiji: A Key to the Future. Suva: Institute of Pacific Studies, University of the South Pacific.
- The Gambia, Republic of (1988): Education Policy (1988-2003). Sessional Paper No.4, Banjul: Government Printer.
- Townsend Coles, Edwin K. (1985): *The Story of Education in Botswana*. Gaborone: Macmillan.
- UCLES (1993): Annual Review 1993. Cambridge: University of Cambridge Local Examinations Syndicate International Examinations.
- UCLES (1994): *Annual Review 1994*. Cambridge: University of Cambridge Local Examinations Syndicate International Examinations.
- UNDP (1997): *Human Development Report 1997*. New York: United Nations Development Programme.
- van Breet, Ralph (1990): verbal contribution, round table on Educational Planning and Management in Small States. UNESCO International Congress on Planning and Management of Educational Development, Mexico City.
- Walberg, Herbert J. & Haertel, Geneva D. (eds.) (1990): *The International Encyclopedia of Educational Evaluation*. Oxford: Pergamon Press.
- Ward, Michael (1975): 'Dependent Development Problems of Economic Planning in Small Developing Countries', in Selwyn, Percy (ed.), *Development Policy in Small Countries*. London: Croom Helm, pp.115-33.
- Warrington, Edward (ed.) (1994): Symposium on the Governance of Small and Island States. Special issue of The Asian Journal of Public Administration, Vol.16, No.1.
- West African Examinations Council, The (1982): Annual Report 1982.

 Accra: The West African Examinations Council.
- West African Examinations Council, The (1992): Annual Report 1992.

- Accra: The West African Examinations Council.
- West African Examinations Council, The (1995): Annual Report 1995.

 Accra: The West African Examinations Council.
- Williams, Eric (1950): Education in the British West Indies. New York: University Place Bookshop [1968 reprint].
- World Bank, The (1993a): Pacific Regional Post Secondary Education Study: Volume 8. Western Samoa. Washington DC: Country Department III, East Asia & Pacific Region, The World Bank.
- World Bank, The (1993b): *The East Asian Miracle: Economic Growth and Public Policy*. Washington DC: The World Bank.
- World Bank, The (1993c): Caribbean Region: Access, Quality, and Efficiency in Education. Washington DC: The World Bank.
- Zammit, E.L. (1984): A Colonial Inheritance: Maltese Perceptions of Work, Power and Class Structure with Reference to the Labour Movement. Msida: University of Malta Publications.
- Zammit Mangion, J. (1992): Education in Malta. Valletta: Studia Editions.

Maps and tables are shown in bold.

Advanced

'A' Level examination 22, 82-3, 108-10, 112, 115, **116**, 117-19, 140, 155

International Certificate of Education (AICE) 204

supplementary examinations 130

American Association of College Registrars & Admission Officers

(AACRAO) 158

American Samoa 87, 92

Anglo-Bhutanese Treaty (1910) 68

Anguilla (UK dependency) 248

CXC membership 148, 149, 161

Angula, Nahas 204

Antigua & Barbuda (independent sovereign state) 149

Appleyard, R.T. & Stahl, Charles W. 12, 87

Archer, Margaret 9

Argentina 199

Ascension Island 202-3

Associated Examining Board 99, 123

Association of Indian Universities 78

Atoll Education Centres 85

Attard, L.E. 124

Australia 25, 89, 179, 214

Council for Educational Research 94

New South Wales Secondary Board of Studies 214

SPBEA 167, 176

State of Victoria 243

Baccalaureate-type examination 126, 129, 140

Bacchus, Kazim & Brock, Colin 14

Bahamas 97-105, 98, 246

Board of Education 99

Colleges 99

education and examination systems 22, 99-100

Education, Ministry of 103

examinations 203

Bahamian General Certificate of Secondary Education 203, 223

```
Caribbean Examinations Council (CXC) 101-2, 228, 246
        external 99-100
        GCE 'O' levels 99-101
        General Certificate of Secondary Education (BGCSE) 99-105, 243
        Junior Certificate examination (JCE) 99
        London University Examination Board 203
        Primary School Leaving Certificate Examination (PSLE) 99
         Small Examinations Processing System 201
         UCLES 99, 102-4, 228, 243, 248
    examining boards, linkages with 101-2
    Institute of Technology 99
    local, regional and international recognition 102-3
Bahrain 10, 203
Baker, Randall 14, 72
Baldacchino, Godfrey 10, 13
Barbados (independent sovereign state) 10, 228
    Caribbean Examinations Council (CXC)
        examinations 155
         headquarters 147-8, 150, 242
    Scholarship, UCLES 199
    University of the West Indies (UWI) 145
Basutoland, Bechuanaland & Swaziland
    High Commission Territories Examination Council 31-2
    University of 31-2
    see also Botswana
Bechuanaland, Basutoland & Swaziland, University of 32
Belize (independent sovereign state) 149
Benedict, Burton 12, 229
Bermuda (UK dependent territory) 8, 10, 203
Bhutan 68-79, 69
    Directorate of Education 72
    examinations, Council for the Indian School Certificate (CISCE) 71, 75,
    education and examination systems 68, 70-2, 71, 228
    Examination Cell 72
    examinations 22, 231
         Board-Indian Certificate of Secondary Education (BB-ICSE) 243
         Board of Examinations (BBE) 70-8, 73, 76, 239, 243
         Class X 78-9
         history and staffing 72-5, 73
         Indian School Certificate (ISC) 70-2, 71, 75, 77, 243
```

Lower Secondary School Certificate Examination (LSSCE) 70, 71 Primary School Certificate Examination (PSCE) 70, 71, 762 Primary Teachers' Certificate Examination (PTCE) 71 recognition and localisation 77-8 security 76-7 Zhungkha Teachers' Certificate Examination (ZTCE) 71 financial constraints 75-6, 76 India 68, 70 Memorandum of Understanding (1993) 78 Rigzhung 71-2, 71 Royal Bhutan Polytechnic 72 Sherubtse College 70 Socially Useful Productive Work (SUPW) 71, 77 Botswana (British protectorate) 15, 18, 29-42, 30 Basic Education curriculum (1997) 41 Departments of Curriculum Development & Evaluation 35 Public Service Management 38 Directorate of Public Service Management, (O&M) review 34-5 education system 31-2, 41-2, 222 **Examination Council 40** examinations 203 Cambridge Overseas School Certificate (COSC) 34, 37-8, 38, 40-1 development and structure 32-4, 42 Junior Certificate examination (JCE) 223 National Examinations Council 34 Primary School Leaving Examination (PSLE) 33, 36-7 public 36-8 Small Examinations Processing System 201 Examinations Research & Testing Division (ERTD) 34-6, 36, 38-41, 39, 242 Ministries of Education 34-5 Health & Labour 31 Labour & Social Service 31 National Commission on Education 33-5 Development Plans 40-2 Policy on Education 31, 41 tertiary institutions 32 UBLS/SEC 34, 40, 42, 238 UCLES 205, 243, 248

```
Botswana, Lesotho & Swaziland
    University of 20, 222
        Schools Examinations Council (UBLS/SEC) 32-3, 40, 42, 225-6, 233,
             238, 246
Box, Ben & Cameron, Sarah 149
Bradbury, R.J. 199
Braille 66
Bray, Mark 8, 10-11, 15, 93, 225, 231
    & Packer 8, 14, 16, 17, 19-20, 142-3, 218, 220
    et al. 15, 18
Brereton, J.L. 184
British
    Solomon Islands Protectorate see Solomon Islands
    Virgin Islands (UK dependency) 149
    West African colonies 183
Broadfoot, Patricia 21, 125
    et al. 20-1
Brock, Colin 8
Brown, C. & Wilde, A. 127, 134
Brunei Darussalam 10, 27
    UCLES 201, 205, 223, 248-9
Bulgaria 201
Caldwell, J.C. et al. 11
Cambridge University see University of Cambridge
Canada Universities
    CXC, examinations 156-7
    Matriculation Boards 152
    St. Mary's, Nova Scotia 191
Cape Verde 10, 12
Caribbean 10-12, 97, 227
    Common Market (CARICOM) 145, 147, 150
    Development Bank 159
    examinations
         secondary schools 145, 147
         UK 152
    Examinations Council (CXC) 2, 16, 20, 23, 26, 67, 101-2, 112, 144-61, 146,
         157, 203, 225-6, 228, 232-3, 242, 245-6, 249
         American Association of College Registrars & Admission Officers
```

(AACRAO) 158

```
birth 145, 147-8
        examinations 148, 151-7, 157
            Basic Proficiency 153, 156, 160
            Caribbean Advanced Proficiency (CAPE) 118-19, 155, 160
            Common Entrance, Trinidad & Tobago 115, 116, 118, 155
             finance 159-60, 160, 247
             GCE 'O' levels 147
             General Proficiency 153-4, 156-7, 160, 227, 228
             growth and regional distribution 156, 157
             primary school 245
             recognition, security and integrity 156-8
             Secondary Education Certificate 108-10, 115, 117
             Technical Proficiency 153, 156, 160
        headquarters 147-8, 150, 242
        membership and structure 148-51, 149, 150, 161, 226-8, 246
        powers 150-1
        School Examinations Committee, Sub-Committee (SUBSEC) 150-1, 159
        Standing Committee of Ministers meeting (1974) 148
        syllabuses 153
        UK examiners 154, 157
    regional co-operation 19, 160, 180
    UCLES 147, 152, 203, 205
    Universities, Matriculation Boards 152
    see also Bahamas; Trinidad & Tobago
CARICOM see Caribbean, Common Market (CARICOM)
Cassar (1991) 122
Caston, Geoffrey 20, 165
Cayman Islands (UK dependency) 10, 203
    CXC membership 148, 149, 226, 246
Central Board of Secondary Education 78
Centre for Educational Development Overseas 165
Certificate of Secondary Education (CSE) 125
Ceylon 199-201, see also Sri Lanka
Chapman, David W. & Levens, Marie E. 228
China 22, 199
Cieutat, Victor J. & Snyder, Conrad W. 32-3, 40
CISCE see Council for the Indian School Certificate Examination (CISCE)
City & Guilds, London Institute 23, 99, 110, 112, 123-4, 188
Coles, Townsend 31
Colonial Secretary, Advisory Committee on Education 199-201
Columbia Teachers College, USA 152
```

```
Commonwealth 19, 97, 242
    Association of Examination & Accreditation Boards 242
    Fund for Technical Co-operation 159, 168, 170
    Secretariat 18-19, 97, 149
Comoros 226
concepts and issues 7-28
conceptual understanding 218-35
    models for analysis 218-21, 219-20
Congo, Loudima 204
Connell, John 10-12
Cook Islands (semi-autonomous dependency of New Zealand) 8-9
    examinations 177
        School Certificate (CISC) 177-8
    New Zealand
        Qualifications Authority (NZQA) 243
        system 177-8, 209-10, 212, 216
        University Entrance 168
    SPBEA 167, 172, 176, 178, 180, 212, 226
    Tereora College 215
COSC see University of Cambridge, Overseas School Certificate (COSC)
Council for the Indian School Certificate Examination (CISCE) 35, 71, 75,
    77-9,239
Councils of
    Boards of Secondary Education 78
    Europe 19, 137
Crocombe, Ron
    & Crocombe, Marjorie Tuainekore 25
    & Meleisea, Malama 20, 165
Crossley, Michael & Louisy, Pearlette 20
Cuba 203
CXC see Caribbean Examinations Council (CXC)
Cyprus 144, 203
Dahl, R.A. & Tuft, E.R. 14
Darmanin, M. 128
Deakin, John 165-6
    The Feasibility of Establishing a Regional School Certificate to
        Replace the COSC Examination 40
Derbyshire, J. Denis & Derbyshire, Ian 222
Dhivehi studies 82, 84, 86
```

Dolman, Antony J. 20

COSC Examination 40

```
Dominica (sovereign state) 8, 149
Dommen, Edward 8
    & Hein, Philippe 10
Dorjee, Sangay 228, 231
Douglas, Norman & Douglas, Ngaire 165
East African Examinations Council (EAEC) 203, 205, 225-7, 246
Eckstein, Max A 250
    & Noah, Harold J. 2, 20-1, 23
education
    co-operation 20
    and examination systems 82-5,83
    ministries of 15-16, 17, 238
education-related disciplines 219
Educational Testing Service, USA 23, 118, 154, 249
Eire 203
Elley report 168-9, 177
emigration 11-12
Equatorial Guinea 10
Estonia 201
Evans-Anfom, Emmanuel 196
examinations 9, 26-7, 173, 237-43
    bodies, staff specialisms 26
    characteristics 20-7
    control and operation 21-3
    costs and financing 25-7, 231-3
    locations 199, 237-9
    models 22-3
    overlapping domains 220, 221
    sociological dimensions 228-31
external
    assessment 21
    examinations 21, 23
Faafu Atoll, Presidential Scholarship Award 86
Falkland Islands 203
Farrugia, Charles J. 122, 133, 142
    & Attard, Paul A. 13, 93, 228
The Feasibility of Establishing a Regional School Certificate to Replace the
```

```
Fenech, J. 122, 126
Fiji 170-1, 172, 173-5, 240
    examinations 165-6, 169, 175, 177-8
        IGCSE 203
        Junior Certificate Examination (JCE) 177
        School Leaving Certificate (FSLC) 175, 212
    New Zealand qualifications 168, 209-10, 212, 214, 216
    School of Medicine 25
    SPBEA 162, 164, 167, 211
    UCLES 210
Fisheries Science 83, 86, 248
flags of convenience 10
foreign aid 10
France 22
French Polynesia 166
Fuata'i, Lafita'i 89
Galsworthy, A.N. 184
The Gambia 18, 194, 244
    College 188
    education patterns 186, 188, 190-3, 192
    examination fees 195
    Minister of Education 16, 18, 194
    National Office 193, 194
    School of Nursing 188-9
    Technical Training Institute 188
    UCLES 201, 248
    University Extension Programme 191
    West African Examinations Council (WAEC) 181, 183, 188, 194-5, 197,
        225-6, 232, 245
General Certificate of Education (GCE) 233
    'A' level 22, 82-3, 140, 155
        Guyana 108-10, 112
        Trinidad & Tobago 115, 116, 117-19
    'O' levels 147
General Certificate of Secondary Education (GCSE) 125, 147, 233
    international version 206
    UCLES 203
Georgetown (present-day Guyana) 199
Ghai, Yash 14
```

Ghana

examinations 186, 188, 193

fees 195-6

Senior Secondary Certificate Examination 186, 187

UCLES 199-201

WAEC 181, 183, 186, 190, 196

West African School Certificate 245

Gibraltar, regional examination systems 144

Gilbert and Ellice Islands 164, see also Kiribati and Tuvalu

Gold Coast 200-1, see also Ghana

Göttelmann-Duret, Gabriele 21

Grenada (independent sovereign state) 149

Guyana (Independent sovereign state) 106-12, 107, 149

Caribbean Common Market (CARICOM) 145

Cyril Potter College of Education 109-11

education and examination systems 16, 108-12

Examination Division 110-11, 241

examinations

Cambridge Overseas School Certificate (COSC) 110, 159

Common Entrance 109-10

CXC 112, 155-6, 232

Secondary Education Certificate 108-10

Standing Committee of Ministers meeting (1974) 148

Government County Scholarship 109-10

London University, GCE 108-9, 112, 159

Oxford & Cambridge, GCEs 110

Preliminary Certificate 110

Secondary Schools

Entrance 108-9, 111-12

Proficiency 108, 110-12

Technical Education 109-11

historical evolution 109-10

London Institute, City & Guilds 110, 112

National Secondary Certificate 112

Test Development Unit 110-11, 241

Trained Teachers' Certificate 109

University of 110-11

Harden, (1985) 19 Hein, Philippe 8

```
Held, D. et al. 8
High Commission Territories 29, 67, 206
    Examination Council 32
    examinations 32-4
    Regional Testing Resource & Training Centre 33
    see also Botswana: Lesotho and Swaziland
Higher
    International General Certificate of Secondary Education (HIGCSE) 27,
         59, 60, 62-3, 64, 65, 224
    Level examination 22
Holy Quran, Recitation of the 85
Hong Kong Examinations Authority 22
Howard University, USA 147
human capital 11
Husén, T.
    et al. 129-30
    report (1977) 33, 222
Iceland, tourism 10
India 19
    examination systems 79
    Madras, London and Cambridge overseas 'O' levels 24
    state boards of education 78
    UCLES 201-2
Indian
    Examinations Council 203
    Ocean Commission 226
    School Certificate (ISC) 70-2, 71, 75, 77, 243
Indo-Bhutanese Treaty of Friendship (1947) 68, 70
Indonesia 203
Industrial & Vocational Training Board 46
Institute of Education, University of London 152, 183
international
    Association for Educational Assessment (IAEA) 242
    Baccalaureate 126, 129, 140
    boards, examination systems 22-3
    bodies 19, 242
    co-operation, small states 19-20
    General Certificate of Secondary Education (IGCSE) 59-60, 62, 64, 65, 102
         UCLES 203-4
```

```
recognition 23-5, 28, 51-4, 77-8, 102-3, 137, 158, 174-5, 242-3
        national examination units 242-3
    schools 204, 206
Islamic Studies 84-6
Jamaica (independent sovereign state) 149, 159
    CXC 115, 148, 150, 156, 157, 232
    national secondary school leaving examinations 155
    UCLES 199-200
    University of the West Indies (UWI) 145
James, Alan 8
Japan 22, 203
Jeffrey, G.B. 183-4
Jersey 10, 18, 229
Johnson (1985) 178
Johnston, Ian & Martinez, Michael E. 26
Johnstone, James N. 230
Joint Matriculation Board 22, 32
Junior Certificate Examination (JCE) 32-3, 37, 37, 99, 177, 222-3
Kahn, Michael 249
Kedikilwe, P.H.L. 34
Keeves, John 26
Kellaghan, T.
    & Greaney, Vincent 20, 229, 243
    et al. 32-3
Kenya 225-7
Kiribati 10
    examinations 92, 95-6, 241
         COSC 164
         New Zealand University Entrance 213
         Pacific Senior Secondary Certificate (PSSC) 169, 174
         Secondary Certificate 211
    SPBEA 162, 164, 167, 211
Latvia 201
Lemon, Anthony 14
Lesotho 42, 242
    Examination Council 40
    Small Examinations Processing System 201
    UBLS/SEC 32-3, 238
```

UCLES 201, 205, 243, 248

University of Basutoland, Bechuanaland & Swaziland 32

Lesourd, M. 12

Lewin, Keith & Little, Angela 24

Liberia

Senior High School Certificate Examination 188

WAEC 181, 183-4, 188, 246

linguistic traditions 20-1

Little, Angela 24

Livingstone, Ian 92

localisation, self-determination and international links 221-5, 231

London

Centre for Educational Development Overseas 165

Chamber of Commerce examinations 46, 84

Institute, City & Guilds 23, 99, 110, 112, 123-4, 188

Missionary Society 89

University see University of London

Lowenthal, David 12-13, 228

Luitjen, Anton J.M. 9

McCabe, James & MacAogain, Eoghan 33

McGee, David L., & Tisdell, Clem 10-11

Malawi, Regional Testing Resource & Training Centre 33

Malaya, Federation of 199, 201-2

Malaysia 205-6

Examinations Council 203

UCLES 201, 205, 223

Maldives 80-6, 81, 226

Department of Public Examinations (DPE) 83-6

examinations 84, 86, 236

Certificate of Proficiency in English 84

Civil Service Proficiency 84

First Certificate of English 84

General Certificates of Education (GCEs) 82-3

London Chamber of Commerce & Industry 84

Shahada Thaanawiyya examinations 86

UCLES 84, 201

ULEAC 82-3, 86, 223

Malta 10, 120-44, 121, 230, 233, 247

Academic Division 135

Compulsory School Attendance Act (1924) 120

Mathews, John 9, 20

Council of Europe 137 Division of Education 131-3, 135, 137 Education Act (1988) 126 European Union 122 examinations 123-32, **124**, 138-40, 144, 229 Associated Examining Board 123 Baccalaureate-type 126, 129, 140 Certificate of Secondary Education (CSE) 125 costs 138, 138 **English School Certificate 123** foreign external 123 General Certificate of Secondary Education (GCSE) 125, 127-8 General Certificates of Education (GCEs) 123-5, 124, 126-7, 132, 139 IGCSE 203 local, international recognition 137 National Minimum Curriculum (1988) 126, 128-9 Secondary Education Certificate (SEC) 127-9, 132, 136-9 Systems of Knowledge paper 130 Examinations Board 22, 237 Industrial Training Act (1952) 124 London Institute, City & Guilds 123-4 Matriculation and Secondary Education Certificate (MATSEC) 123-4, 127, 129-32, **130**, 136-40, 143, 236 Examinations Board 22, 126-9, 131-6, 138-40, 142, 222 Newsletters 129 Principal Subject Area Officer 143 Principal Test Construction Officer (PTCO) 132, 135-7 Private Schools' Association 131 School Councils 122 Support Unit 135 Syllabus Panels 140 UK education 122, 124-6, 135, 139 UNESCO 137 Union of Teachers (MUT) 128, 131, 133-134, 136 University 22, 120, 123, 126, 129, 131-3, 137-8, 238 Mangion, Zammit 125, 247 Manners, Lornette E. 229 Marshall Islands secondary schooling certificate 174 SPBEA 162, **164**, 169, 180, 226, 246

```
Matriculation Boards 152
MATSEC see Malta, Matriculation and Secondary Education Certificate
    (MATSEC)
Mauritius 43-56, 44, 86, 226, 242
    examinations
         Certificate of Primary Education (CPE) 45-6, 49, 51, 54-5, 231-2
         French language 52, 54, 225, 247
         Higher School Certificate (HSC) 45-6, 50, 52, 53-4
         IGCSE 203
         Junior Scholarship (JSE) 51
         Primary School Leaving Examination (PSLE) 51
         school certificate (SC) 45-6, 50, 52, 53-4, 224
         security of papers 49-51, 229
    Examinations Syndicate (MES) 14, 22, 45-9, 47-8, 52, 54-6, 231-2, 238-40
    Export Processing Zone 43
    Institute of Education 50
    localisation and international recognition 51-4
    UCLES 45, 51-2, 54-5, 199, 223-5, 232, 247, 249
    ULEAC 51, 54-5, 223
metropolitan
    agencies 27, 224, 232, 236, see also UCLES
    examinations 164, 221, 247-9
         boards 79, 222, 233
Montserrat (UK dependency) 15-16, 149
Moray House College of Education, Edinburgh 51, 109
Murray, David J. 14, 18, 72
Muscat (1995) 130, 140
'N' level examination 27, 247-8
Namibia 57-67, 58
    Department of National Examinations & Assessment (DNEA) 60-3,60.
         65-6, 240
    education and examination systems 22, 57, 59-60, 60, 63, 66-7, 231
    examinations 59
         fees 65-6, 65-6
         IGCSE 59-60, 62-3, 64, 65, 203-4, 247
         languages offered 63, 64
         South Africa, Senior Certificate 59, 60, 62, 64, 65-6
    Higher International General Certificate of Secondary Education (HIGCSE)
         27, 59, 60, 62-3, 64, 65, 224, 247
    Junior Secondary Certificate (JSC) 59, 60, 62-3, 64, 65
```

Ministry of Basic Education & Culture 60 social and political factors 63 South Africa, education system 57, 59 UCLES 59, 60, 201, 205, 247 University of 63, 67 Nassau 199-200 Natal (South Africa) 199 national examination units 231, 236-43, 245 Foundation for Educational Research 109 Trade Certificate courses 46 Nauru 162, **164**, 167, 169, 226, 243 Netherlands Antilles CXC membership 148, **149**, 228 IGCSE 203 New Caledonia 166 New Hebrides 164, see also Vanuatu New Zealand assessment system 176 Education 179, 213, 234 Amendment Act (1990) 215 Department of 213 Educational Development Conferences 208 examinations 89, 92, 96, 169-70, 177, 211 Higher School Certificate 208, 209, 215 IGCSE 203 Proficiency 89 School Certificate (NZSC), Examination Board 213 South Pacific 209-10, 216, 240-1 examining bodies 207-17 qualifications 25, 216 Oualifications Authority (NZOA) 92, 178, 213-16, 243, 248 Assessment, Examination and Certification Regulations 214 National Qualification Framework 215-16 School Certificate (NZSC) 89, 91-2, 94-5, 165-7, 178, **208**, 209-11, 231, 233 South Pacific Option papers 167-8, 177, 211-12, 216, 248 school qualifications 207, 208 secondary school leaving qualifications 170, 207 Sixth Form Certificate 207-8, **208**, 212, 216 SPBEA 167, 176, 211-12, 226 UCLES 199-200

```
Universities 89, 215
        Bursary & Scholarship Examinations 170, 178, 207-8, 208, 212-15
    University Entrance (NZUE) 89, 91-2, 94-5, 168, 170, 177-8, 208, 208,
        209-14, 216, 231
        Board 212-13
Nigeria
    examination fees 195-6
    National Common entrance Examination 188
    school system 186, 188, 193
    WAEC 181, 183, 190, 226, 246
Niue
    New Zealand qualifications 164-5, 209-10, 216
    SPBEA 162, 164, 167
Nuttall, Desmond L. 21
Olivera, Carlos E. 218, 219
Organisation of Petroleum Exporting Countries (OPEC) 113, 115
Oxford, University see University of Oxford
Oxford & Cambridge, School Examination Board 22
Pacific Senior Secondary Certificate (PSSC) 91-5, 162, 171, 174-5, 179-80, 26-7,
    169, 175, 212, 216
Papua New Guinea 166, 203
Parsons, Q.N. 31
Philippines 203
Pitman Institute examinations 46, 99, 188
policy and practice 236-50
policy-makers
    examinations 141, 222
    small states 11
political and economic factors 218
    Regional Examinations Councils 246-7
politicians and senior civil servants 22
primary schools 22
    examinations 245
    Leaving Examination (PSLE) 33, 36-7, 51, 99
private boards, examination systems 22-3, 122
public and quasi-public organisations 14-19, 22
qualifications, recognition and status 23-5, 28, 158
quasi-government agencies, examination systems 22
```

Queen's Award, UCLES 202

```
Ralise, N. 42
Rapoport, J. et al. 19
Razik, Taher A. 9
Rees, Trevor 167, 177
regional
    bodies 145-197, 222, 226-7, 236, 245
    co-operation 19-20, 160, 226
    examination systems 144, 226-7
    resources and expertise 245
    Testing Resource & Training Centre 33
Regional Examinations Councils 225-8, 228 243-7
remittances 12
Renwick, William & Eyers, Vivian, review (1991) 169-70, 176, 178, 233
Rodhouse, John 16, 229
Romania 201
Royal Society of Arts 99, 188
Saba (Netherlands Antilles) 148, 149, 161, 228, 246
St Helena 203
St. Kitts & Nevis (independent sovereign state) 149, 229, 248
    CXC, workshops 156
    national secondary school leaving examinations 155
St. Lucia (independent sovereign state) 18, 149
    examinations 16, 227
        Common Entrance 155
    SPBEA 245
St. Maarten (Netherlands Antilles) 148, 149, 161, 228, 246
St Vincent & Grenadines 149
Sammut, A. 122
Samoa (sovereign state) 87-96, 88
    Alafua Campus and Faculty of Agriculture 89
    College 89
    Education and examination systems 89-91, 90-1, 94-6
    Examination Unit 93-6, 93, 240-1
    examinations
        external 91
         New Zealand 89, 92, 96, 165, 209, 213
         Pacific Senior Secondary Certificate (PSSC) 91-5, 169, 231
         School Certificate (SSC) 90-6, 211, 231
         Western Samoa School Certificate (WSSC) 91-2, 94-5
```

```
localisation, ongoing international links and new alignments 91-3
    missionary bodies 89
    National University (NUS) 89, 92, 214
    New Zealand 87, 216
    remittances 12
    SPBEA 162, 164, 167, 211, 240
    University of the South Pacific (USP) 89
Sanerivi 231
Schahezenski, Jeffrey J. 14
School Certificate examinations 22, 123
school-based assessment 21, 237
Scott, Brian T. 18
secondary schools 222
    leaving examinations 155, 170, 207
senior officers, career paths 18
Seychelles 10, 86, 203, 226, 236, 201
Shahada Thaanawiyya examinations, Maldives 86
Shand, R.T. 8
Sherlock, Philip & Nettleford, Rex 20
Sierra Leone 190
    examinations 189, 193
    WAEC 181, 186, 188
Singapore
    examinations 23-4, 27, 203, 224, 248
    UCLES 199, 201, 205, 224, 249
Singh, Gurmit 177
Slovenia 201
small states 7-14, 140-1, 240, 242
    education 27, 220
    examinations
         costs 231-3
         metropolitan 221, 247-9
    international co-operation 19-20
    public and quasi-public organisations 14-19, 22
    Regional Examinations Councils 243-7
Smith, S. Tyrell 198, 205-6
societies, small states 12-14
Solomon Islands (British Protectorate)
    COSC 164
    New Zealand University Entrance 213
    Pacific Senior Secondary Certificate (PSSC) 169, 174
```

```
School Certificate 178
    SPBEA 162, 164, 167
Somerset, Anthony 227
South Africa
    education system 57, 59
    Senior Certificate Examination 59, 60, 62, 64, 65-6
    UCLES 100, 205
    universities 63
        Joint Matriculation Board 32
        and polytechnics 59
    University of, Junior Certificate Examination (JCE) 32-3, 37, 37, 99, 177,
    see also High Commission Territories
South Asian Association for Regional Co-operation 19
South Pacific 10, 20, 214
    Board for Education Co-operation 166
    Board for Educational Assessment (SPBEA) 20, 23, 26, 89, 91-5, 144, 155,
         162-80, 163-4, 207, 211, 225-6, 233, 240, 243-5
         annual meetings 214
         crisis (1984) 168, 176
         examinations
             costs 175-7
             major 171, 172
             Pacific Senior Secondary Certificate (PSSC) 212, 216
             recognition 174-5
             School Certificate 245
             units 173
         mechanics 171-4, 172-3
         origins and history 164-71, 226-7
         political and social factors 177-9
         UK funding 168
    Commission (SPC) 165-7, 210-11
    Examination Board 166
         see also New Zealand, examining bodies
    examinations
         metropolitan 164
         national 171, 173, 210-13
         New Zealand 209-10
         regional 186, 210-13, 216
    qualifications 25, 175, 216
    regional, co-operation 19, 160, 180
```

states 12, 18 University of the (USP) 20, 89, 165-6, 173-4 Foundation Year 170-1, 177-8 Institute of Education 166 SPBEA 162, 164 see also St Lucia; Samoa; Trinidad & Tobago South West Africa People's Organisation (Swapo) 203-4 Southern Africa, High Commission Territories 29, 67 Southern Universities Joint Board for School Examinations 22 sovereignty 10 Sri Lanka 199-210 examinations Higher National Certificate of Education (HNCE) 24 National Certificate of General Education (NCGE) 24 Ordinary and Advanced level 24 and qualifications 24-5 Srinivasan, T.N. 10 states, definition 8-9 Stockwell, A.J. 199-201 Straits Settlements 199, see also Singapore student's careers, external examinations 21 Sultana, Ronald G. 120, 122, 127-8, 229-30 Suriname 228 Sutton, Paul 14, 19 Swartland, Jakes 31, 39 Swaziland 42 **Examination Council 40** examinations 32-3, 238 school inspector 31 Small Examinations Processing System 201 UCLES 205, 243, 248-9 Tanzania 225-6 Taufe'ulungaki, 'Ana 20, 226 Tavola, Helen 177 tax-havens 10 teachers, examination papers 21 technological development 248 tertiary education institutions in small states 19 Test Development Unit 193

Thailand 201

```
Tokelau (New Zealand dependency) 87
    educational assessment system 89
    New Zealand qualifications 209-10, 216
    SPBEA 162, 164, 168-9, 211
Tonga 12, 173, 215, 230
    examinations
        Pacific Senior Secondary Certificate (PSSC) 169, 178, 214
        School Certificate 169, 178, 211
    New South Wales Secondary Board of Studies 214
    New Zealand
        examinations 164-5, 168, 178, 209, 213-14, 216
        Qualifications Authority (NZQA) 178, 243
    SPBEA 162, 164, 167
Trade & Journeymen's examinations 124
Trinidad, University of the West Indies (UWI) 145
Trinidad & Tobago (independent sovereign status) 113-19,114, 149
    CXC 147
    education and examination systems 115-17, 116, 227, 250
    Education, Ministry of, Examinations Section 116, 117
    examinations
         'A' levels 115, 116, 117-19
        CXC
             Caribbean Advanced Proficiency (CAPE) 118-19
             Common Entrance 115, 116, 118, 155
             Secondary Education Certificate 115, 117
        major 115, 116, 117
         University of London 115, 117-18
    National Examinations Council (NEC) 115, 116, 117
    SPBEA 245
    UCLES 115, 117-18, 199
    ULEAC 115, 117-18
    University of the West Indies (UWI) 118
Tristan & Cunha 203
Turks & Caicos Islands (UK dependency) 149
Tuvalu (sovereign state) 8, 19, 177
    examinations 92, 95-6, 175, 241
         Pacific Senior Secondary Certificate (PSSC) 169
         School Certificate 211
    SPBEA 162, 164, 167
```

UCLES see University of Cambridge, Local Examinations Syndicate (UCLES)

```
Uganda 225-7
ULSEMC see University of London, School Examinations Matriculation
    Council (ULSEMC)
UNDP/UNESCO 165-6, 168, 170
UNESCO 19, 137
UNICEF 19
United Kingdom (UK)
    Associated Examining Board 23
    Certificate of Secondary Education (CSE) 100
    College of Preceptors 110
    Education, Ministry of, Testing & Evaluation Unit 100
    examinations
        boards 22, 152, 156, 184, 226, 238
        CXC 156
        French language 52, 54
        GCEs 99-100, 126, 230
        General Certificate of Secondary Education (GCSE) 102
        School Certificate 200
    Overseas Development Administration 170, 248
    Southern Region Examinations Board 248
    SPBEA 167-8
    Universities
        Matriculation Boards 152
        scholarships 199-200
United Nations 19, 242
    Development Programme (1996) 181
United States (USA)
    Colleges
        Columbia Teachers College 152
        Entrance Examination Board 23
        Testing Service 23
    Educational Testing Service, Princeton 23, 118, 154, 249
    examinations 152, 156-8
    Howard University 147
    secondary education system 158
    Universities
        CXC examinations 156-8
        Matriculation Boards 152
universities 222
    Equivalence Committee 78
```

examination systems 22, 237

University of Cambridge

```
Certificates 99
    CXC, General Proficiency Grades 157
    examiners 154
    examining boards 22, 159, 161
    GCE examinations 110, 155
    Joint School Certificate examination 34
    Local Examinations Syndicate (UCLES) 22-3, 27, 32, 41-2, 198-206, 231, 238
        AICE 204
        Bahamas 99-105, 228, 243
        British West African colonies 183
        Certificate of Education in English Language Teaching 84
        CISCE 78
        General Certificate of Secondary Education (GCSE) 203
        IGCSE 203-4
        international syllabuses 84
        Junior examination 200
        localisation 202-3
        Maldives 84
        Mauritius 45, 51-2, 54-5, 232
        Namibia 59.60
        overseas locations 199
        overseas visits 205
        Preliminary examination 200
        School Certificate 200, 249
        Senior Certificate 59, 60, 64, 65-6, 222
        Small Examinations Processing System 201, 248
        training programme 60, 152, 194, 201
        Trinidad 115, 117-18
        WAEC 184, 197, 202-3, 205
    Overseas School Certificate (COSC) 32, 34, 37-8, 38, 40-1, 99, 110, 164, 177
University of London
    and Cambridge University overseas 'O' levels 24, 249
    CXC, General Proficiency Grades 157
    Examinations and Assessment Council (ULEAC) 22, 49, 236
        Maldives 82, 86, 223
        Mauritius 51, 54-5, 223
        Trinidad & Tobago 115, 117-18
    examining board 159, 203
    General Certificate of Education (GCE) 32
         'A' levels 82-3, 108-10, 112, 155
```

```
Malta 123-5, 124, 126-7, 132, 139
        'O' levels 82, 99-101, 108-10, 112
    Institute of Education 152, 183
    School Certificate Examinations 123
    School Examinations Matriculation Council (ULSEMC) 183-4, 197
    West African Examinations Council (WAEC) 184
University of Oxford
    Delegacy of Local Examinations (UODLE) 22, 198
    GCE examinations 110, 123
    School Certificate Examinations 123
Vanuatu 164, 173
    COSC 164
    examinations, IGCSE 203
    NZOA 248
    NZUE 168, 215
    Pacific Senior Secondary Certificate (PSSC) 169, 174
    SPBEA 162, 164, 169, 226
    tax-haven 10
vocational education 46
WAEC see West African Examinations Council (WAEC)
Ward, Michael 10
Warrington, Edward 14
Wesleyans 89
West Africa
    Institute of Oil Palm Research 196-7, 246
    regional bodies 196-7, 246
    UCLES 200-1, 205
West African
    Airways Corporation 196, 246
    Cocoa Research Institute 196, 246
    Court of Appeal 196, 246
    Currency Board 196, 246
    examinations
        School Certificate 245
        Secondary Senior School Certificate 245
        Senior School Certificate Examination (WASSCE) 188
    Examinations Council (WAEC) 20, 23, 26, 67, 154, 181-97, 182, 225-7, 233,
        244-6
        administration 189-90
```

```
Convention (1982) 190, 195, 244
        Council 249
        examinations 184-9, 185, 187, 189, 193, 197, 227
             costs 195-6
             other boards 189, 189
             staffing 193-5, 194-5
        Gambia 181, 183, 188, 193, 194-5, 197, 225-6, 232, 245
        history 183-4, 196, 225
        national examinations 245
        National Office 16, 18
        Nigeria 181, 183, 190, 226, 245
        population 181, 183
        UCLES 197, 202-3
        ULSEMC 197
    Inter-Territorial Secretariat 183
West Cameroon 246
West Indies
    Federation of the 102, 113, 246
    University of the (UWI) 19-20, 101-3, 118, 145, 156
         Faculty of Education, Trinidad & Tobago 118
    see also Barbados; Jamaica; Tridad & Tobago
Williams, Dr Eric 113, 145, 147
Wiremen's Licenses 124
World Bank 19, 29, 89, 92, 228
World Bank/International Development Association 196
Zambian Council 203
Zammit Mangion 123
Zimbabwe High Commission Territories 29, 206
    examinations 203, 206
    UCLES 202, 223
```