

## ALAN J. BISHOP

**Date of birth** 14 October 1937.  
**Nationality:** British and Australian  
**Languages:** English, French, Esperanto  
**Present Position:** **Emeritus Professor of Education**  
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### **Education and higher qualifications**

University of Southampton: B. Sc. First class honours  
in Maths and Science 1958-61  
Loughborough College: Dip. Ed. in Mathematics and  
Physical Education 1961-62  
Harvard University: MA in Teaching 1962-65  
University of Hull: Ph.D 1965-69  
University of Cambridge: MA 1969

### **Professional Associations:**

- President and Council Chair, The Mathematical Association, UK 1991-92.
- Founding member of British Educational Research Association
- UK National representative on International Commission on Mathematics Instruction (ICMI)
- Member of Mathematical Association of Victoria, Australian Association of Mathematics Teachers, Mathematics Education Research Group of Australasia, Australian Association for Research in Education.
- Member of Committee of the International Group for the Psychology of Mathematics Education
- Member International Program Committee, ICMI Study on East/West cultural traditions in mathematics education.
- Member of the World Education Fellowship

### **Employment Record:**

Weston High School, Mass. USA Full-time mathematics teacher 1964-65  
Institute of Education, Hull University, UK. Research Fellow 1965-69  
Department of Education, Cambridge University, U.K.  
Departmental Lecturer in Education 1969-75  
University Lecturer in Education  
1975-92  
Faculty of Education, Monash University, Melbourne, Australia  
Professor of Education, Associate Dean. Monash University 1992-  
2002  
Emeritus Professor, Monash University  
2002-

### **Special interests and expertise:**

- Internationally recognised expert on all aspects of mathematics education.
- Internationally recognised expert on teacher education.

- Training programmes - assessment, teacher training, curriculum planning, school development.
- International research consultant advising on research development, programs, funding, staff training, research students, research degrees, evaluation.
- Expert knowledge on language, cultural and social aspects of mathematics and science education.

#### **Relevant Development Activities:**

- Consultant for Mozambique aid project, with Pedagogical University, Maputo, Mozambique, 1995-8
- Evaluator of Swedish Development Agency projects in Mozambique, 1996
- Organiser and lecturer on overseas courses for British Council, ODA, and Ministries of Education (Iran, Uganda, Papua New Guinea, Greece, Spain).
- Consultant and interviewer for Commonwealth Universities Appointments Committees
- Plenary speaker at conferences, workshops and courses in many countries.
- Convenor, organiser and secretary for many conferences on mathematics education, teacher education, research on education.
- External examiner for Masters degrees and for Doctorates at many Australian Universities and at Universities in Hong Kong, West Indies, Malaysia, Canada, Spain, Brunei Darussalaam, UK.

#### **Other relevant activities**

- Visiting Professor at Universities of Minnesota, Georgia (USA), Monash (Australia), Papua New Guinea, Bielefeld (FRG), Barcelona (Spain), Thessaloniki (Greece), Hong Kong, Shanghai (China), Auckland (New Zealand), Hiroshima (Japan)
- Director of many research and development projects in mathematics education.
- External adviser for research grants for USA, UK, Australia, Hong Kong, New Zealand, South Africa.
- Research Consultant for: UK Schools Council Project on Evaluating Nuffield Mathematics Project; NFER project 'Tests of Attainment of Mathematics in Schools'; Assessment of Performance Unit, NFER
- Research consultant for the Australian Council for Educational Research
- Currently supervising 6 Doctoral research students in mathematics education.

#### **SELECTED PUBLICATIONS SINCE 1991**

##### **1. Books and Research Reports**

Mathematical Knowledge: Its Growth through Teaching (with J. van Dormolen and S. Mellin-Olsen) Kluwer, Dordrecht 1991.

Mathematical enculturation: A cultural perspective on mathematics education. (Sole author) Kluwer, Dordrecht, Holland, 1991.

Significant Influences on Children's Learning of Mathematics (Sole Editor), UNESCO, Paris 1993

- A selected bibliography of Australian publications related to the Mathematics and Science education of Non-English speaking background (NESB) primary and secondary students in Australia. C. Larkin, A. J. Bishop and C. Brew, Faculty of Education, Monash University, 1994.
- International Handbook of Mathematics Education (Chief Editor), Dordrecht, Kluwer, 1996.
- Transitions between Contexts of Mathematical Practices. G.de Abreu, A.J.Bishop, N.C.Presmeg, Kluwer, 2002
- Second International Handbook of Mathematics Education (Chief Editor), Dordrecht, Kluwer, 2003

## 2. Chapters in Edited Books

- 'Mathematics Education in its Cultural Context' in M. Harris (ed.) Schools, Mathematics and Work. London: Falmer, 1991.
- 'Teaching Mathematics to Ethnic Minority Pupils in Secondary Schools' in D. Pimm and E. Love (eds.) Teaching and Learning School Mathematics. London: Hodder and Stoughton, 1991.
- 'International Perspectives on Research in Mathematical Education' in D. A. Grouws (ed.) Handbook of Research on Mathematics Teaching and Learning. New York: MacMillan, 1992.
- 'Cultural Issues in the Intended, Implemented and Attained Mathematics Curriculum' in G. Leder (ed) Assessment and Learning of Mathematics. Melbourne: Australian Council for Educational Research, 1992.
- 'Influences from Society' in A. J. Bishop (ed.) Significant Influences on Children's Learning in Mathematics. Paris: UNESCO, 1993.
- 'Culturalizing Mathematics Teaching' in A. S. King & M. J. Reiss (eds) The Multicultural Dimension of the National Curriculum. London: Falmer, 1993.
- 'Removing cultural barriers to numeracy' in S. McConnell and A. Treloar (Eds) Voices of Experience: Reframing Mathematics. Canberra: Department of Education and training, 1993.
- 'Issues arising from the New Decentralisation in the British school system' in R. Martin (ed) Devolution, Decentralisation and Recentralisation: the structure of Australian schooling. Melbourne: Australian Education Union, 1994.
- 'Western mathematics, the secret weapon of cultural imperialism' In B.Ashcroft, G.Griffiths & H.Tiffin (Eds) The post-colonial studies reader. London: Routledge, 1995.
- ' Mathematics education between technology and ethnomathematics. Should it be common? Does it make sense?' in C.Keitel(Ed) Mathematics and common sense. Berlin: Freie Universitat, 1995.
- 'What children and teachers count as mathematics.' With G.Abreu and G.Pompeu, in T.Nunes and P.Bryant (eds) Learning and teaching mathematics: an international perspective. London: Psychology Press, 1997.

- 'Research, effectiveness and the practitioners' world' in A. Sierpiska and J. Kilpatrick (eds) Mathematics education as a research domain: a search for identity. Dordrecht, Holland: Kluwer, 1998.
- 'Numeracy' a module in Science and Technology Education, a UNESCO Resources Kit. Paris: UNESCO, 1999.
- 'Educating student teachers about values in mathematics education' in Lin and Cooney (eds) Making sense of mathematics teacher education. Kluwer, 2001
- 'The transition experiences of immigrant secondary school students: dilemmas and decisions' in Abreu, Bishop and Presmeg (eds) Transitions between contexts of mathematical practices. Kluwer, 2002

### **3. Journal articles**

More than 60 articles in research and teacher education journals

### **4. Other Publication Work**

Editor (1978-90) of international research journal, Educational Studies in Mathematics, published by Kluwer, Dordrecht, Holland . Associate Editor, Educational Studies in Mathematics (1990 - present).

Managing Editor and originator of research book series Mathematics Education Library, also published by Kluwer, Dordrecht (1980 - present).

On Editorial Board of several journals. Experienced book and article reviewer for several international publishers.