

CURRICULUM VITAE

G.A. HORRIDGE, M.A., Ph.D., D.Litt. Sc.D., F.A.A., F.R.S.

- Born Dec 1927** Married Audrey (née Lightburne), 5 children, Mark, Alison, Naomi, Rebecca, Meret.
- 1946** Open Scholarship at St. John's College, Cambridge England, from King Edward VII School, Sheffield, England.
- 1950** First Class Honours in Natural Sciences Tripos, Cambridge.
- 1953-54** Scientific Officer and then Senior Scientific Officer at Department of Structures at the Royal Aircraft Establishment, Farnborough.
- 1954-56** Research Fellowship at St John's College, Cambridge. Senior Award from the Commissioners for Exhibition of 1851.
- 1956-69** Lecturer then Reader in Zoology, St Andrews University.
- 1959-60** Visiting Associate Professor at University of California, Los Angeles, and Fellow at Center for Advanced Study in the Behavioral Sciences, Stanford, California, USA.
- 1960-69** Director, Marine Laboratory, St Andrews University, U.K.
- 1965** Visiting Full Professor, Yale University.
- 1955-69** Numerous lecture tours. Periods of work in marine laboratories especially Plymouth, Millport, Naples, Port Royal (Jamaica), Friday Harbor (British Columbia), Ghardaga (Red Sea) and Lizard Island, Great Barrier Reef. including 2 summers working at Wood's Hole Marine Lab, Mass, U.S.A.
- 1968** D. Litt. Cambridge Uni.
- 1969** Fellow of the Royal Society of London.
- 1969** Professor of Behavioural Biology, Australian National University, Canberra, Australia. Subsequently name changed to Neurobiology Department.
- 1973** Fellow, Australian Academy of Science.
- 1973-74** Visiting Fellowship, Balliol College, Oxford. UK.
- 1975** Chief Scientist, U S Research Ship. Alpha Helix, in the Moluccas, with base camp at Banda with American scientists and crew.
- 1976-77** Visiting Fellow, Churchill College, Cambridge. UK
- 1972-76-80-84** Examiner in biology, University Sains, Penang, and University of Malaya, Kuala Lumpur, Malaysia.
- 1987-1990** Executive Director, Centre for Visual Sciences Australian National University (Topics range over:- artificial seeing systems, mechanisms of visual processing, neural nets, modeling, and electrophysiology of vision in a variety of animals).
- 1992** Royal Society Visiting Professorship to work on Vision in monkeys, with Dr D. Perrett, University of St Andrews, Scotland, June - September.
- 1993-4** Visiting Fellow, Churchill College, Cambridge, UK.
- 1993-present** University Fellow, then Emeritus Professor , Australian National University.

RESEARCH INTERESTS

- a) Broad interest in the nervous basis of behaviour, sense organs and brains, as studied by the techniques of electrophysiology, anatomy and behaviour.
- b) Physics and physiology of the eye as a pattern for artificial seeing systems.
- c) Pattern and Colour Vision of the Honeybee. An experimental study started in 1992 and continuing through 2018.
- d) The history, distribution, uses, anthropology, engineering structures and rigs relating to the traditional boats of Island Southeast Asia and the ethnology of maritime societies in SE Asia.

BOOKS

- a) (With T H Bullock). The Structure and Function of the Nervous Systems of Invertebrates. 2 Volumes. Freeman, San Francisco, 1965.
- b) Interneurons. Freeman, San Francisco, 1968.
- c) The Compound Eye of Insects. (Edited) Oxford, 1975.
- d) The Prahau, Traditional Sailing Boat of Indonesia. Oxford in Asia, Kuala Lumpur, 1981, 2nd edition, 1986.
- e) Sailing craft of Indonesia. Oxford in Asia, 1986.
- f) Outrigger Canoes of Bali and Madura, Indonesia, Bishop Museum, Honolulu 1987.
- g) Natural and low-level seeing systems (joint ed.) Oxford Univ Press 1993.
- h) ANU ePress. Copies can be downloaded free at <http://epress.anu.edu.au/> as well as at the unique URL: http://epress.anu.edu.au/honeybee_citation.html ..
- i) Nusantara. This is a version of the Prahau book (d) in Bahasa Indonesia.

PAPERS

250 papers on Sciences
20 titles on Indonesian Traditional Boats
10 titles on other topics

SOCIETIES

Fellow, Royal Society of England
Cambridge Philosophical Society
Society for Nautical Research
Fellow, Australian Academy of Science

COMMITTEES

For 10 years, 1959-69, on the Council of the Scottish Marine Biological Association which governed three marine laboratories. Also served on various granting bodies, Nuffield, Medical Research Council, Wellcome Foundation.
1975-80 Member covering Science on the German Ambassador's Committee for exchange fellowships with Australia.
1977-80 Minister of Science's Committee for Queen's Fellowships in Marine Sciences.
1973-76 Member of Vice-Chancellor's Policy Committee, ANU.
1981-3 Large Equipment Committee. Australian National University.
1990 Industry Forum of the Academy of Sciences
1991-3 Chairman of Section 7 Committee, Australian Academy of Sciences

LANGUAGES

Read German, French, Malay, Spanish, Italian, some Dutch.

OTHER INTERESTS

Problems of environment as related to biological sciences in South East Asia.
Languages, photography and drawing essential for travel and research.
Current research program on pattern and colour vision of the honeybee.

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