

# Peter George Blaine

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- Born** Oxford, England, 2 May 1943
- Educated** Selborne College, East London, South Africa  
Hatfield School, Hatfield, Harare, Zimbabwe  
St Michael's Preparatory School, Borrowdale, Harare, Zimbabwe  
St George's College, Harare, Zimbabwe  
Cambridge School Certificate  
Cambridge Higher School Certificate
- Family** Married Lesley Coral Howe, 24 January 1970, Port Shepstone  
Children  
Susan Emma Welchman, BA(Hons)(Journalism) (Stellenbosch)  
Deborah Clare van Litsenbourgh, B.Sc.Eng.(Stellenbosch), PhD(Penn State),  
Assistant Professor (Stellenbosch)  
Mary Lesley Moore, ex Air Traffic Controller  
Joanna Elizabeth Coetzee, Biokineticist  
B.Sc, B.Sc (Hons)(Sports Science)(Stellenbosch)  
Veronica Rebecca Howe Kotze, B.A Fine Arts(Stellenbosch)  
Benjamin Peter Gilbert Howe Blaine, B.Sc.Eng.(Stellenbosch)
- Degrees** Bachelor of Science (Mechanical Engineering) (Natal), 1970  
Master of Engineering, (Stellenbosch), 1974
- Diplomas** Diploma in Advanced Engineering, (Rocket Propulsion Engineering), (Stellenbosch), 1974  
Program for Management Development, (UCT), 1977  
Mechanical Engineer's Certificate of Competency for Factories (#1077).
- Professional** Registered Professional Engineer, (South Africa #730226)  
Registered Pr.Eng. Candidate Mentor, ECSA
- Papers**
- "The Stellenbosch University Gun Tunnel", The South African Mechanical Engineer, Volume 27, Number 2, February 1977, pp 34-45
  - "A special case of Metal Forming", The South African Mechanical Engineer, February 1984.
  - "The practical application of ISO 9001 and ISO/TS 16949 to the mass production of motor industry parts", 42<sup>nd</sup> International Conference on Computers and Industrial Engineering, July 2012, Cape Town
  - "Utilising Bayes' Theorem and introducing probabilities in Failure Mode and Effects Analysis", Mechanical, Manufacturing and Materials Engineering Conference, June 2012, Bellville, South Africa.
- Awards** The LT Cambell-Pitt Award of the South African Institution of Mechanical Engineers – best paper published.  
The Jubilee Award of the South African Institution of Mechanical Engineers – best paper published.
- Career** Group Head, Detonics, Council for Scientific and Industrial Research (1970-1974)  
Group Head, Mechanical Engineering, Managing the total mechanical engineering section of the National Accelerator Centre, now iTemba Labs, Faure, of the Council for Scientific and Industrial Research including the structural design and finite element analysis of the sector magnets for a 200MeV Open Sector Cyclotron. (1974-1977)  
Technical Manager, Sintered Metal Components (Pty) Ltd heading the tool design office, managing quality control and research and development. (1977-1984)  
Technical Director and co-founder and co-owner, Powdermet (Pty) Ltd in charge of the mechanical design office, technical analysis of quotations, design and implementation of IT and computer systems, managing quality control leading to the implementation of the ISO 9000, 2000 quality management standard (1984-2004)  
Technical and R&D Director, Bleistahl Sintermetal Zuid Afrika (Pty) Ltd. Powdermet was bought by Bleistahl Produktions GmbH and my role continued. I was in charge of the mechanical design office, technical analysis of quotations, design and implementation of IT and computer systems, managing quality control leading to the implementation of the ISO 9000/2000 and ISO TS 16959/2000 automotive quality management standard. This company was put into liquidation by the sole shareholder in May 2006. I was part of management buy-out by Zimbali 220 (Pty) Ltd. (2004-2006)

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Technical Director, Zimbali 220 (Pty) Ltd., trading as Powdermet, until May 2008 when I retired from the Board with the same responsibilities as above. (2006-2008)

Managing Director and co-owner, Geobet Investments (Pty) Ltd., a private family company dealing in investments.

Senior Engineer, Department for Mechanical and Mechatronic Engineering, Stellenbosch University, attached to the Pebble Bed Modular Reactor Research Group until the PBMR was abandoned. Responsible for the administration of post-graduate research projects, erection and assembly of the Stirling Engine Solar Energy project, supervision of final year students' projects and the teaching of materials science and engineering drawing. (2008 to present)

## Societies

Fellow, South African Institution of Mechanical Engineers

Life Member, American Society of Mechanical Engineers

Member, American Institute of Powder Metallurgy

Member, American Society of Testing and Materials

(Serve on Committee B09 on Metal Powders and Metal Powder Products

Committee E10 on Nuclear Technology and Applications until 2014

Committee F44 on General Aviation Aircraft until 2016)

Associate Member, Aeronautical Society of South Africa (Royal Aeronautical Society)

Treasurer, Aircraft Owners and Pilots Association – South Africa

## Trusts

Past Chairman, Rhenish Schools Trust

(14 years, 8 years as Chair. Stood down September 2001)

Past Chairman and Trustee, Helderberg Trust for the Aged. (ceased to exist)

Past Chairman and Trustee, Gordons High School Children's Trust (moribund)

Trustee, Helderberg Environmental Trust (moribund)

Steering Committee Member, Western Province Educational Trust (2001) (ceased to exist)

Trustee responsible for Finance, The Pebbles Trust

## Community

Past Chairman, Governing Body, Rhenish Girls' High School

(14 years, 8 as Chair, until Sept 2001)

Past Governor, Board of Governors, Somerset College, (2005 -2006)

Past Chairman, Somerset College Parent's Association (2004-2005)

Chairman, Helderberg Nature Reserve (Statutory) Protected Area Advisory Committee,

(Chair, 10+ years, member past 20+ years)

Past Vice Chairman and Finance and Personnel Subcommittee Chairman,

past Board member of the Helderberg Society for the Aged

(I had served on this board for over 20 years) (retired 2010)

Past Treasurer, Hottentots Holland Dramatic Society

Past Secretary, Somerset West Ratepayers Association

Past Vice Chair, Treasurer and Management Committee Member, Stellenbosch Flying Club

Member and Secretary, Stellenbosch Flying Club Safety Panel

Past Finance Manager, Wesbank-Stellenbosch Air Show, 2003

Founding Director, Radio Helderberg, community radio

## Rotary

Assistant Governor, Rotary District 9350, 2002-2003 & 2003-2004

Past President 1989-1990, Vice President, Secretary and Treasurer,

Rotary Club of Somerset West

Rotary Foundation Trustees Cadre Advisor for Humanitarian Grants (past 10 years)

(sent to Ethiopia 2005, Kenya 2008, 2012, 2014, 2016, Lesotho 2010, Tanzania 2013)

Past Chairman, South African Outbound Selection Committee

Rotary Foundation Ambassadorial Scholars (2000-2002)

Past Committee member, International Exchange Students.

Past Vice President - Africa, International Fellowship of Flying Rotarians

## Interests

Amateur Theatre: Director, Stage Manager, Set Design, Lighting Technician, Actor

Powered Flying, Private Pilots Licence, 0270092281, Palaeontology, Environmental Studies,

Archaeology, Photography, Computer Technology, Materials Science, Bayesian Statistics,

Data Processing and Computer Programming