

CURRICULUM VITAE

PERSONAL DETAILS

NAME: JOHN BAINBRIDGE CHESTER

DOB: 29/01/18 at Stockport, England

NATIONALITY: Australian

FAMILY:

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| Wife | - Olive Zilla, born 09/06/16 |
| Daughter | - Wendy Elizabeth, born 08/11/47 |
| Son | - Richard John, born 16/08/51 |

EDUCATION QUALIFICATIONS:

Period 1941 to 1946 -
Diploma of Associateship - Electrical
Sydney Technical College
(College Medal for highest honours)

PROFESSIONAL APPLICATIONS:

The Institution of Engineers, Australia
Elected Junior Member: 1943
Elected Associate Member: 1952
Elected Fellow Member: 1992

POSITIONS HELD:

05/34 TO 01/67
With Australian General Electric Pty Ltd and (due to
name change 1955) AEI Engineering Pty Ltd.

05/34 TO 05/39
Achieved Electrical Fitting Trade Competency
Certificate with honours.

06/39 TO 12/46
Draftsman cum Technical Officer associated
with the design and manufacture of HV and LV
switchgear and LV control-gear.

01/47 to 06/58
Responsible for establishment of a new section
concentrating on design, development and
testing of industrial electric control equipment;
involved a six month study tour to the UK and
North America (1950). In 1952 made Manager
of control-gear factory, responsible for design,
production and manufacture of all LV control-
gear; (120 employees) at Auburn NSW.

07/58 TO 01/65

With position of Manager, established a new transformer factory at Darra, Queensland, responsible for design, production and manufacture of distribution transformers (up to 1000kVA, 22kV and power transformers on-load tap-changing up to 33MVA, 33kV); (120 employees).

02/65 TO 01/66

Chief Engineer and Assistant General Manager, Transformer Division (located at Melbourne, VIC), (three factories totalling 350 employees).

02/66 TO 01/67

General Manager, Motor Division (located at Auburn, NSW); (500 employees).

02/67 TO 03/74

With Tyree Electrical Company P/L and (due to name change 1973) Tyree Westinghouse P/L.

Assisting Mr A. W. Tyree (now Sir William Tyree) with the establishment of a new factory at Moorebank, NSW for the manufacture of HV and LV current and voltage transformers and MV power capacitors.

Later (after 1973) actively engaged in promoting export sales to South East Asia for large power transformers (up to 100MVA, 132kV)

04/74 TO 04/82

With the Prospect County Council (now Prospect Electricity), Design Engineer responsible to Substation Engineer as head of Substation Branch. Responsible for preparation of tender specifications and execution of contracts for substation buildings and all substation electrical equipment. Also responsible for all distribution and zone substation design in an era marked by extensive growth, introduced P.C.C. to many developments new to them such as:-

- indoor zone substation buildings with explosion relief facilities
- LV arc control in large distribution substations
- extended use of fuse-switch-combinations in lieu of much more expensive circuit-breakers.

05/82 TO 07/90

Private full time consultant to HOLEC P/L.

Major contributions were:-

- design and development of a new LV distribution board for application to kiosk type and indoor distribution substations (1982 to 1985)
- design, production, commissioning and all contract negotiations for 34 special large indoor enclosed dry type distribution transformers (1250kVA and 1600kVA, 11kV) for Telecom Australia's computer centre at St Leonards, NSW, known as Resources Management Centre 202 (1987 to 1990).

07/92 TO PRESENT

Retired but when requested, continue in a honorary capacity to:-

- Assist the Institution of Engineers Australia with professional interviews for corporate membership applications.
- Assist the Standard Association of Australia with preparation of Australian Standards.
- Assist KRONE (Australia) Technique Pty. Limited with technical queries arising with MV and LV power switchgear design and manufacture.

**TECHNICAL PAPERS
PRESENTED:**

Numerous papers presented to various organisations, the more important being:-

- An ignitron rectifier for a circuit-breaker closing solenoid.
I.E. Australia, Sydney Div. J & S Section (1952)
- Fluorescent lamp ballasts.
Illuminating Engineering Society of Australia (1958)
- Switchgear selection for distribution substations.
Electricity Supply Engineers Association, Annual Conference (1976)
- The selection of fuses for a distribution system.
I.E. Australia, Electrical Energy Conference (1977)
- Coating of LV busbars to prevent arcing damage.
Electricity Supply Engineers Association, Annual Conference (1978)
- The selection of switchgear for a distribution system.
I.E. Australia, Electrical Energy Conference (1980)