

C.V. J.E.McLennan PhD (NSW) M Sc.(N.S.W.).ASTC(Dip. Met.),AIM(Lond.) C.Eng

Born Newcastle N.S.W. Australia, February 13, 1925. Educated at Cardiff Primary School 1933 to 1936, Newcastle Boys High School 1937 to 1941, Newcastle Technical College 1942 to 1947 gaining an Associate Diploma in Metallurgy (with Credit) 1948. Post Graduate Student UNSW 2001 to 2009 awarded PhD 2009.

Employed at John Lysaght (Newcastle) 1942 to 1951 as a trainee during which time was engaged in general scientific work including armour plate production and transformer sheet research. Joined the Australian Department of Supply 1952 and worked on the brittle fracture of mild steel at the National Physical Laboratories at Teddington England 1952 and 1953 from which work a joint paper with N.P.Allen and B.E.Hopkins was published "The tensile properties of single crystals of high-purity iron at temperatures from 100 to -253 C" in the Proceedings of the Royal Society, A, **234**, pp. 231-246, 1956, and at the Aeronautical Research Laboratories, Fisherman's Bend, Victoria 1954.

Served in the Volunteer Defence Corp in 1945 as a Gunner on Park Battery (Newcastle) under Commanding Officer Lieutenant Arthur Coles.

Met Judith Ingham while attending Newcastle Cathedral Fellowship. We were married June 5, 1947. Two sons, Iain born February 15, 1954 and Malcolm born June 2, 1956.

Joined the Newcastle College of the NSW University of Technology 1955 as lecturer in metallurgy. Graduated M.Sc. at the University of N.S.W.(formerly N.S.W.U of Tech.) 1964 for a thesis entitled "Internal Friction Studies on Strain Aged Mild Steel". Retired from the University of Newcastle (N.U.C. given autonomy 1965) 1985.

Foundation Secretary of Newcastle Technical College Bushwalking Club, 1943. Member of the first N.T.C. Rugby team, 1944. Foundation President of University of Newcastle Cricket Club, 1958 -1963. Foundation member Newcastle Colleges Scottish Country Dance Club 1958.

Associate member of the Institution of Metallurgists from 1953, also member of the Iron and Steel Institute and the Institute of Metals (London) from 1953. Member of Australian Institute of Metals from 1947. Given Meritorious Service Award 1980.

Served on the H.S.C. Examination committee for Industrial Arts for the N.S.W. Education Department from 1975 to 1985.

Became a member of the Catgut Acoustical Society Inc. in 1975; was appointed Vice President for 1984-89 representing the Australian membership. Became a member of the Australian Association of Musical Instrument Makers Inc. in 1982. Have held positions of National Chairman 1988-89, and Journal Editor 1986- 90. Became a member of the Australian String Teacher's Association Inc. 1978. Attended and presented a paper at Tiverton 1987. Joined the British Violin Making Association in 1995.

Have been actively engaged in acoustical research and violin making since 1980, main area of interest have been the function of the soundpost, air modes, the function of the sealer and varnish, etc.

Webpage address for latest activity: www.phys.unsw.edu.au/music/people/mclennan.html