GENEALOGY DATABASE ENTRY

Duwez, Pol Edgard 1907 - 1984

DEGREE: DSc DATE: 1933 PLACE: Brussels
TEACHER/RESEARCH ADVISOR: Henriot

studied the plasticity of metallic crystals; investigated the propagation of elastic waves in solids caused by high speed deformations; during WWII, worked on materials resistant to very high temperatures; studied the structure and preparation of porous materials, the structure of the alloys of titanium with other metals, and the structure of the sigma phase of molybdenum metal; developed ceramics of rare earth metal oxides and studied their structure and phase diagrams; developed the technique of quenching melts from the liquid state at extremely rapid rates to modify the solidification process - discovered solid solutions, new phases, and the first liquid quench amorphous alloy (the first metallic glass).

1. Lyle, H. *California Institute of Technology Oral History Project - Interview with Pol Duwez*; Caltech Archives: 1982.