desilverization process. This process is outlined in Figures 3 and 4 and was later commercialized by M. T. Isbel of St. Joseph Lead Company.

Real also werhed on spe hardesing of aluminum, in particular investigating substitutes from silicon, magnesium, and copper and develope a silver-shuminum siloys a littlus-bearing aluminum-silo alloy and magnesium-permanium-aluminum alloys. He also studied the quemanium-aluminum phase diagram and the replacement of silicon with

While working on fused salt electrolysis of beryllium, Dr. Kroll became beryllium poisoned in 1927 but still managed to develope the process for the reduction of anhydrous beryllium fluoride with magnesium

of vacuum metallurgy in the extraction and partification of metals, Sions he was not allowed into the local Borness plant he had to learn vacuum technology and metalous by himself, he endempethyl developed a process for the vacuum reduction of no vital minimum to produce harism metal, and the production of high quality calcium by vacoum embination of electrolytic posts calcium cast under an argum atmosphere. This period of work goes him the initial headpround for him subsequent development of titutions and allowed metallurgy.

reductant in a bosh reactor for the production of dottile chronius, vanadum, titadius, zirconius, uranium, and thallium. Se also worked on the vacous purification of silicon, copper, iron, chronius, beryllium, and alloys of copper, tin, and lead during this period.