

## Ludwig Luebo Luembe River lumps

Contributed by Administrator  
Friday, 21 September 2007

Luachimo River. A river in Angola, Africa, the basin of which is an important diamond-mining region. See ANGOLA.

Lubilash. A district comprising the valley of the Lubilash River in the Republic of Zaire, formerly the Congo Republic. It is a major producer of diamonds, and is mined by Societe Miniere du Beceka. For a number of years, the output from the several mines in the area has exceeded 12 million carats annually, mostly (about 97%) of industrial quality. It is a highly mechanized, efficient operation. This area is also known as Bakwanga, after the city and central treatment plant location maintained by Beceka. Mining is currently proceeding both in alluvial deposits and in kimberlite pipes. See REPUBLIC OF ZAIRE.

Luderitz. A town near the north end of Consolidated Diamond Mines of South-West Africa, Ltd. It was once the center of the South-West African diamond industry, and the administrative headquarters first of the Germans and later C.D.M. See south-west AFRICA.

Ludwig, A. An Austrian chemist who, in 1901, recorded the formation of what he thought were diamonds when he passed an electric current through an iron spiral embedded in powdered gas carbon in an atmosphere of hydrogen and under great pressure. In a later experiment he fused a mixture of carbon and iron in an electric stream and suddenly chilled the mass by admission to it of water under a pressure of 2200 atmospheres. Under these conditions of instantaneous cooling, Ludwig claimed to have synthesized minute diamonds. There is no proof that his experiments were successful. See SYNTHETIC DIAMOND.

Luebo. A major diamond-mining area in Kasai Province, Republic of Zaire. It lies between the Lulua and Luebo Rivers and is exploited by Beceka, Forminiere, and the E. K. L. Consortium. Production from this area, also known as the Kasai District, is usually between 500,000 and 1,000,000 carats annually, of which 30% or more are gemstones. See re-public OF ZAIRE.

Luembe River. A river in Angola, Africa, the basin of which is an important diamond-mining region. See Angola.

luminescence (loo'-meh-nes'-cence). A general term used to describe the emission of certain wavelengths of light by a diamond or other substance when excited by radiation of different wavelengths, electrical discharge, heat, friction or a similar agency. See fluorescence, cathodoluminescence, phosphorescence, ultraviolet, premier diamond, photoluminescence, emission spectrum.

lumps. Large pieces of kimberlite, or blue ground, that failed to disintegrate in the time allotted on the weathering floor. These are later worked through recovery processes and reported separately. See kimberlite, floor.

lumpy girdle. An unnecessarily thick girdle on a brilliant-cut diamond. See girdle, girdle thickness, knife-edged girdle, bearded (or fuzzy) girdle, polished girdle.