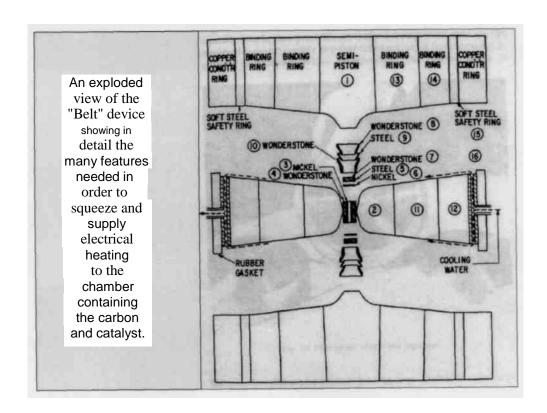
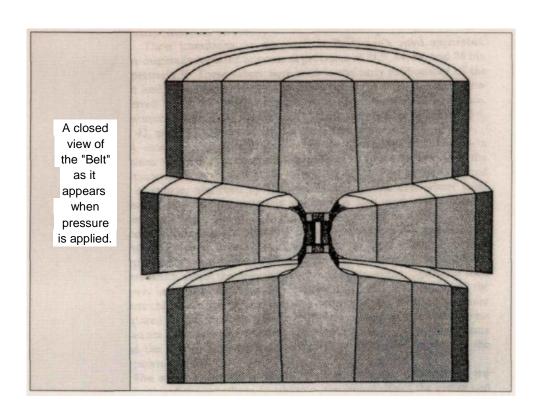
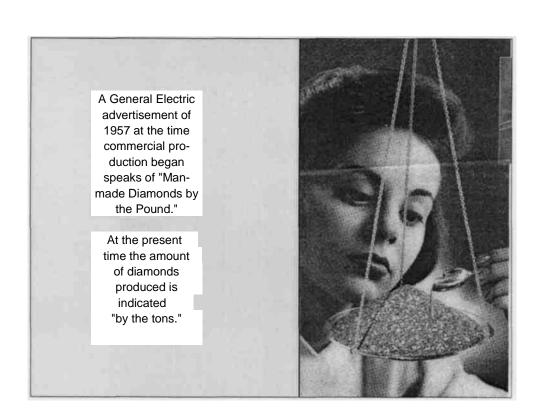
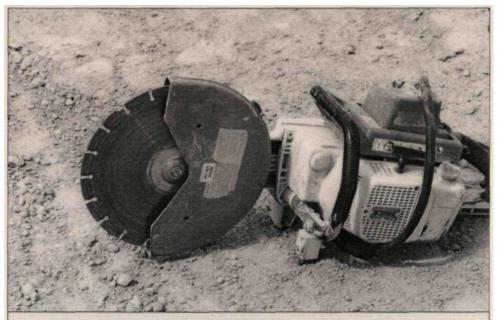


A pellet of pure graphite and a metal catalyst are placed inside a doughnut-shaped pressure chamber within a powerful hydraulic press. Conical pistons, pushing into the top and bottom of the chamber, apply continuous pressure — as much as 1,500,000 pounds *per* square inch — against the pellet, and an electrical current heats it to as high as 4,400° F. This super pressure and temperature, combined with the action of the catalyst, results in the growth of diamond crystals within minutes.



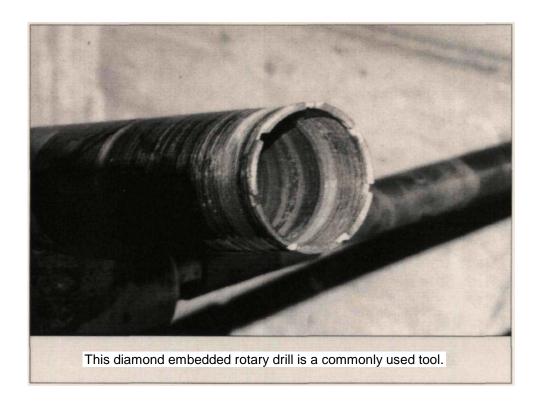






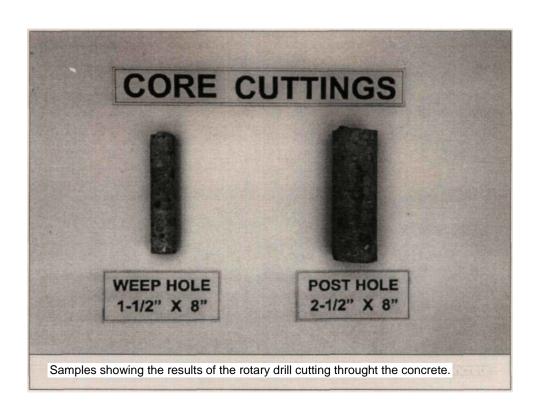
A visit to any construction site will show man-made diamonds at work. This circular saw blade, embedded with diamonds, is notched to help dissipate the heat generated when cutting through hard materials.

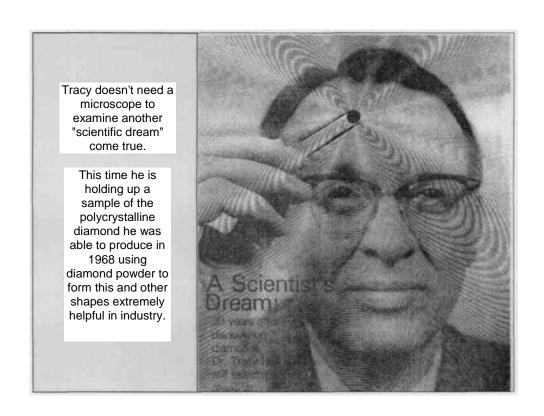


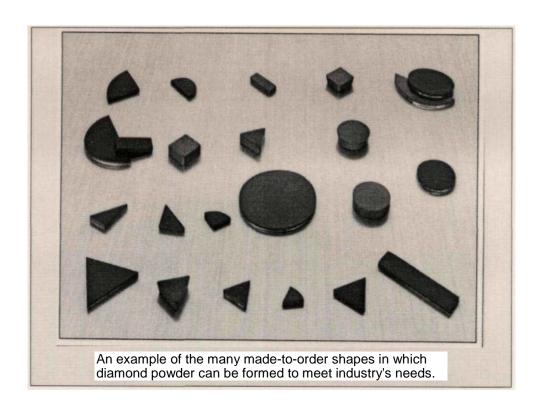


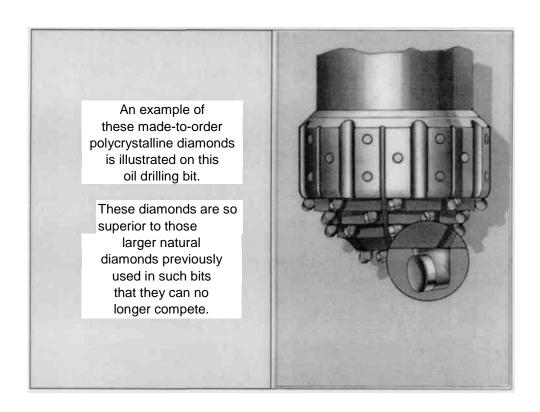


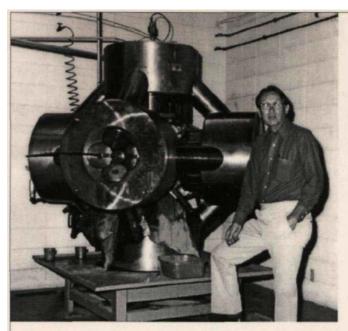
The drill is shown here cutting a "weep" hole through a concrete wall. The hole is necessary to relieve water pressure against the wall which could eventually push it over.











Tracy stands beside the "cubic press," he developed after he could no longer use the "belt" apparatus.

He that invents a machine augments the power of a man and the wellbeing of mankind.

—Henry Ward Beecher

