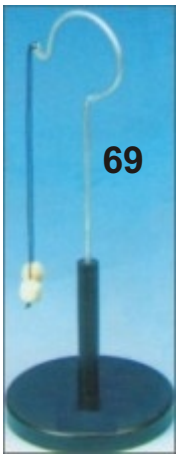
heavy equipment. The apparatus consists of a lightweight extruded vertical column that carries a release electromagnet, two adjustable photogates, and a catching bag. The falling body is a 1.8cm steel ball. We recommend using it in conjunction with our Digital Timer 7-2009 , which has several operating modes that allow different series of up to ten measurements to be made. These include the time of fall from rest to the first photogate, the time to fall between the two photogates, and the time to pass through each photogate. After conclusion of a series, the measured times are displayed successively.

68. Hooke's Law

Demonstrate to your students the classic restoring force law! Show your students that the extension of a coiled spring is proportional to the weight of the masses loaded on a hanger. This new model comes with a sturdy cast metal base, testing spring, metal scale, four 20-gram weights and combination a 20-gram weight hanger, and an indicator needle. Instructions included. (4" x 4" x 12"- 1.5lbs).

69. ELECTROSCOPE WITH PITH BALLS

Electroscope with Electrostatic Balls A sturdy demonstration of electrostatic activity! Electrostatic balls are suspended on an aluminum hook attached to an acrylic base. When a static change is brought near the balls, they react to the electrical charge. Instructions provided. (9" x 4-1/2"; .124lb).



70. Kundt's Apparatus

Measure the ratio of the velocity of sound in brass to the velocity of sound in air! A brass rod is rubbed with a bow, which causes the rod to vibrate. Sound waves inside the tube cause Lycopodium powder to accumulate at nodal points. By measuring the spacing between the nodal points and comparing this value with the length of the brass rod, the ratio between the speed of sound in brass is obtained. Instructions provided. (36" x 8" x 5"; 3lbs).

71. Linear Expansion Apparatus

Makes studying the expansion of metals simple and instantly visible to students! A metal rod is inserted into the steam chamber and steam is applied. The dial indicator mounted on one end immediately registers expansion of the rod. The heat jacket has three tubes for water intake, water outlet, and a thermometer. The unit includes four metal rods 6mm x 60cm of aluminum, steel, copper, and brass. The unit measures 8 cm x 10 cm x 70cm. Instructions included. (34-1/2" x 4-1/2" x 3-1/2"; 5lbs).