

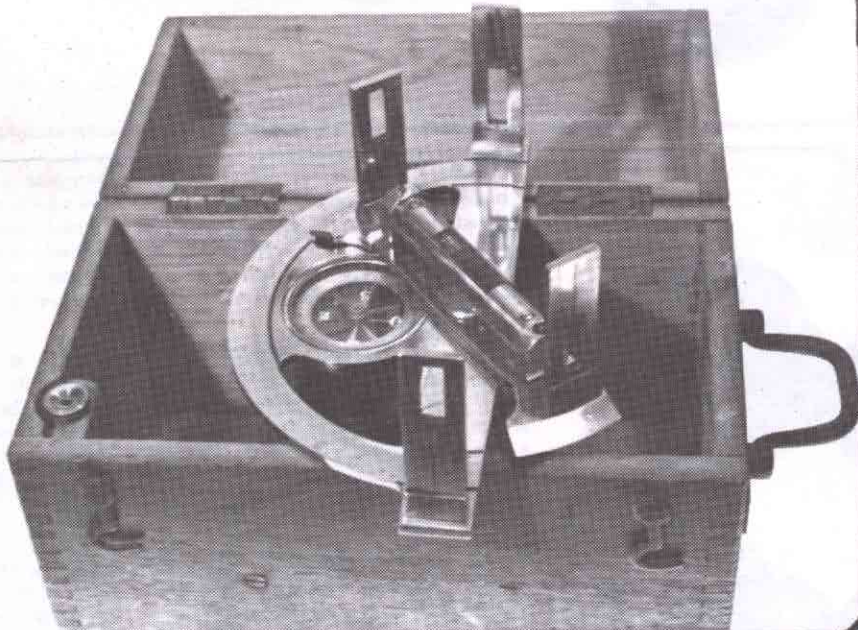
*Antique Scientific Instruments*

List 81-24

*Dunlap Enterprises Inc.*

*130 Severn Ave.  
Annapolis, Maryland 21403*

*G. D. Dunlap, President (301) 267-7557*



**Mi 599** French GRAPHOMETER. Brass with bubble level and French compass (0 for West). Although some were made in other countries, the Graphometer is basically a French development and was first described in print in 1597. "Scientific Instruments" by Wynter and Turner pictures several examples up thru the 18th century. This one is unsigned, probably late 18th century and has a label in the lid of the dovetailed original box which bears the name of J. Halden & Co. Ltd., Manchester, so it was at one time in their shops. There is a fixed pair of alidades to align the instrument to North using the compass and another rotating set for taking azimuths. Can also be used in the vertical plane as a clinometer. The scale on the semicircle is graduated 0 to 180 degrees in both directions. The level is adjustable with a key which is still in the box. **\$975**



**Su 100** SURVEY COMPASS & TRANSIT by Queen & Co., Philadelphia. A very unusual 19th century American surveying instrument. A 4" compass in the center with sight vanes which mount vertically on the extended base as normal on many of the early compasses. On this unit, one of the vanes can be left off and the transit instrument with vertical scales mounted in its place. Complete in original box and with original tripod only the top of which is shown in the illustration. Queen & Co. are first listed in the 1861 Philadelphia directory. Mr. James Queen retired in 1870 and died in 1890. The company eventually became known as Queen-Gray Company early this century. Gurley manufactured many of the instruments marketed under the Queen name. For the serious collector of American instruments. **\$1200** fob Annapolis

SHIPPING

Unless otherwise requested, we ship via United Parcel Service within the continental United States. To simplify matters we make a flat charge of \$5 per package for packing and shipping most items. On items marked \*\* after the price we ship completely postpaid, at no charge to the customer. On items marked fob Annapolis we will bill you for the actual transportation costs.