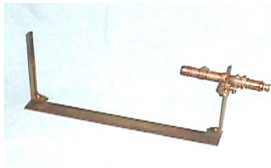


**PLANE TABLE ALIDADES**  
**Final as of March 19, 2006**

**AL 1, Simple Plane Table Alidade w/Clamp-on Telescope, W. & L.E. Gurley Co., maker, Troy, NY, c. 1890.**



This instrument is a simple straight edge to which are added non-telescopic compass sights. It is provided with an 1878 patent-date clamp-on telescope identical to the one used on compasses. The blade is 20" long and the sights are 8" high. The top surface of the blade is scratched in the center area. The telescope bracket is stamped "US 52." Inside the wood case is a label reading, "Physical Dept." The sight adds significant value, as the sight can be used on other Gurley instruments – compasses, solar compasses, etc.

**AL 2, Boxwood Alidade w/Folding Brass Vanes, Stanley, London, c. 1900.**



This has a boxwood scale 18" long with folding brass sight vanes 4 1/2" tall. There is a brass bar 1 3/8" wide running the length of the tool for rigidity. One of the vanes is missing the thread sight. The edge is divided for 1,000 meters and is marked STANLEY LONDON, TRADE MARK. The boxwood base is split at both ends although not visible from the top because they are underneath the brass bar.

**AL 3, Wooden Alidade w/Metal Sights, unmarked, c. 1910.**



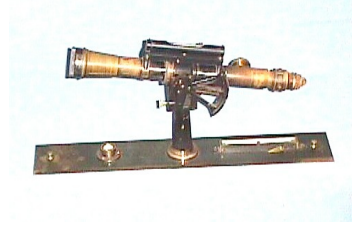
This alidade has the same appearance as ones made by Ste DES LUNIETIERS in France. The marked ones have a pasted-on paper label underneath which this example is lacking. The base is 11 1/4" long with 5" tall folding metal sight vanes. There are two metal cams for leveling the alidade and a single level vial. This example is in well worn condition with damage to the edge of the scale. The scale is marked 1/600 M. Some glue residue is apparent on the scale edge. This is a well worn example.

**AL 4, Explorer's Plain Table Outfit, W. & L.E. Gurley Co., maker, Troy, NY, Serial No. 181968, c. 1918.**



This equipment consists of an Explorer's Alidade, Plain Table Board, and Tripod. The alidade has an 11" straightedge and an 8" telescope. It is equipped with a striding level, Beaman stadia arc, and granieter. It is finished in black and comes with a leather case. The board is 15" square and has a canvas case. The tripod is fixed leg with a Johnson head. The tripod finish was previously black paint which has been removed and replaced with dark stain.

AL 6, **Telescopic Alidade**, W. & L.E. Gurley Co., maker, Troy, NY, Serial No. 21510, c. 1921.



This instrument is built to the U.S. Geological Survey standard. It is model no. 584 B. It has an 18" straightedge, an 11" telescope, and a 4" long compass box. It is Catalog No. 584 B. It is finished in black and has a replacement striding level. There is a wood case.

AL 7, **Plane Table Alidade**, Buff & Berger Co., maker, Boston, MA, Serial No. 24, c. 1871.



This instrument has a 12.5" telescope and a 19.5" blade. The telescope is offset to the supporting post so as to align with the edge of the blade. This is the pre-1865 design of the U.S. Coast Survey. The instrument has 90% original bright lacquer finish on the brass, noting that the two spirit levels are finished in black. The blade is stainless steel. The vertical arc has a range of  $-35^{\circ}$  to  $+35^{\circ}$ . This is one of the first instruments manufactured by the firm of Buff & Berger. It comes with the original case, noting that the compass accessory is missing.

AL 8, **Brass Alidade**, Keuffel & Esser Co., N.Y., c. 1920.



This is a military style topographic sketching alidade made of darkened brass. It is  $11 \frac{3}{4}$ " long and graduated  $1" = 500$  meters. The folding sight vanes are  $5 \frac{1}{2}$ " tall and there is a single round knob for adjusting elevation in conjunction with a single level vial. There is no case. Good condition.