

KEN'S TELESCOPES THROUGH THE YEARS...



This is one of the last LX200 12" SCT from Meade. It is supported extremely solid on the modified Atlas EQ6 mount. With it's enhanced 304mm diameter optics and 3048mm focal length, it is an impressive performer. I am impressed with the internal baffling of the shade tube. In this photo ... [0120062b.jpg](#) , you can see the design that helps to deliver high contrast images with minumin internal reflections.



(Click on the blue letters for detail photos) Just received the new William Optics 66mm SD... mini-scope. I've added a red dot rifle scope as a finder. [66SD2](#) If you like a super little take out refractor with all the frills, you will like this one for sure. The focuser reduction and finish is a gem ... and so are the optics ! The old modified Unitron mount is my favoriate portable platform. Together with the WO 66SD, I can carry this out doors to observe in seconds. The WO 66SD has incredible optics, even as compared to my Pronto or my old Unitron 60mm F-15 refractor. [66SD3](#) My highest power ocular, the 4.8mm Nagler (81x), displays virtually no detectable false color in daytime viewing.

Check out the camera photo of the [trees](#) and compare the detail in the closeups. This image is taken using only the 20mm Meade RGE for [19X](#). I used the 20mm Research Grade Erfle behind a 3x barlow for the [57X](#) shot. Ken...



This is one of the latest version Black C-11s with starbright coatings. The optics proved to be extremely good. The 1st night out, the seeing was about at 8 out of 10 ... using a 6mm WF Ocular (467x) the star test display near perfect patterns on both sides of focus. I am very impressed. The William Optics ZenithStar 80 seems to make a great finder and guide scope.



Ken's personal WO ZenithStar 80mm (3.15" f/6) Doublet Refractor OTA mounted onto the European version Deluxe EQ mount with DC drive features a center tripod reinforcement that really improves the stability of the tripod and still retains the light weight of the aluminum tripod. Ken's Rings with brass nuts and knobs supports the scope onto a special dovetail bar and saddle that allows easy disassembly for travel. This is one of the finest and most enjoyable 80mm scopes that I have ever owned.



Another close-up of the ZenithStar 80mm. By mounting the Hitachi 780A DVD CamCorder, [\(image1\)](#) I can capture high quality digital images from low power by zooming from approx 20X to up to nearly 300x. I find somewhere half way at about 150x is best for high image quality playback. Here is a close-up of the camera attachment...[\(image2\)](#)

Video sample of an insect on a flower at 50 yards using the Hitachi DVD/ZenithStar80 at approx 200x... Window's Media Player [movie clip 599kb](#).



This is one of Jim Wegat's last 127mm F-15 Maks ...Jim sent me a really good one...perfect star test. I made a special one-piece felt lined ring and a very HD dovetail for the CG5 mount. The extendable pier was a tedious and detailed task but paid off in compactness. The zoom 3-9 power x 50mm large rifle finder (see detail photo here... [0420051c.jpg](#) 74.9kb) delivers a brilliant upright image...and works super as a night or daytime spotter. The ring tension can be adjusted to rotate the finder if so desired (see details here ... [0420051d.jpg](#) 67.6kb).



The new Orion 100mm F-6 optics were so good... about 1/6 wave as near as I can tell...near zero false color below 60x... and very little up to 120x...The violet filter allows good images up to 240x. Ken decided to modify it again...this time with a new HD alt/az mount and refitted with the latest AP focuser w/feathertouch 9:1 drive. The tripod is from the EQ6 mount...The combination makes a fantastic portable scope... rock solid, smooth, and fun to use!



Refractors always seem to give the finest lunar, planetary, and star images.. (in my opinion). One of my favorite refractors is the CR150 or C6R (as the new version is now called.) In this array I have mounted the Celestron 102mm F5 as a wide field super finder opposite the C-80mm F11 medium power guide scope. The 6" F-8 optics are so good that the standard focuser is waiting to be replaced with the new AP focuser and FeatherTouch reduction for fine focus. This assembly rides on a very capable Atlas mount. Note the large counterweight shaft modification.



Ken's new Orion 100mm F-6 very portable scope modified with lots of brass and a 3-9x 50mm scope for brilliant high quality upright images.



Mounted to the CL700, this is the latest 10" F10 SCT taken from it's GPS mount. This sample OTA proved to have extremely fine figured optics...using the Binoviewer with it has given me the finest views ever of Saturn, Jupiter, and The Moon. The fine focuser is a real asset at high powers.



Another...Modified 127 MAK on the EQ mount. Completed October 2002.



Ken's personal 120mm F5 with machined aluminum Alt/Az fork and hefty elevated tripod...lightweight yet rock solid...a powerful all purpose and easy take out scope!



Ken's Mak 127 F12 mounted to the CI700 and portable pier.



Close up of Mak 127 system showing detailed features.



Meade 178ED with Astro 120mm F5 Wide Angle Finder.



My latest designed 154mm F-8 refractor mounted onto the CI700 mount.



Refractor in North polar axis direction.



120mm F-5 Refractor mounted onto the Untron Model #160 mount and sturdy 8" lightweight aluminum pier.



Brass ring saddle and brass knurled knobs add an elegance touch to the '120.



OTA designed for the 150mm F-8 synta lens.



150mm F-8 OTA mounted on the G-11 and light weight & portable thinwall pier with locking casters. Mounting head & pier legs easily remove with hand knobs & wing nuts.



Note that the three rear focuser plate knobs allow for easy collimation of the objective lens while observing thru the ocular. (The objective lens can deliver much finer detail when collimated to it's highest degree)



Latest design tube assembly upgrade for the synta 150mm F8 optics. Features 4" ID focuser with 3-pt objective collimation adjustment located on rear focus plate (real time collimation)...Tube Diameter... 8", Tube Length including dew shield and focuser... 53.5", Tube weight including saddle rings with G-11 dovetail bar and top accessory bar, finder and finder ring, and brass weights... 29 lbs.



The "Dauzat 222" in field operation has given me some of the finest lunar, planetary, and double star images that I have ever seen...very little false color, 3-D like images on Jupiter at 300X and displaying a wealth of detail. The contrast and sharpness of the lunar images are impressive even at 600X... Star images with the Meade 15.5 Research Grade Erfle display brilliant round points of light over velvet black skies!



Close-up of the 222mm Dia, 2700mm FL, fully coated lens and adjustable cell.



All aluminum and stainless steel refractor OTA, 46 lbs... (plus rings and saddle) finished in gloss black lacquer and clear lacquer.



Completed OTA mounted on G-11 mount and special pier for testing.



Another all aluminum pier especially designed for the CG5 & Mak. The Mak has been refinished in black with the addition of a carrying handle with detachable wide field 4 x 32mm rifle scope, rear tube handles, CG5 dovetail mounting bar, and a large 3" visual back with 2" adapter.



Closeup view of the 7" Mak... excellent lunar, planetary, and double star scope.



All aluminum Pier for CG-5 Mount.












Small pier with detachable legs with Orion mount and 102mm F-5 refractor.










16" Cassegrain F-3 primary F-12 secondary on two speed DC electric mount.



My first C-8 in 1976.

| | |
|---|--|
|  | I acquired this 1889 5" F-15 Alvan Clark from Symira Georgia in 1982. |
|  | 20 X 80 Celestron Binoculars. |
|  | 4" Cave Astro mounted on a modified Starfinder equatorial and pedestal. |
|  | C-102 Refractor in 1985. |
|  | Built around an Edmond 5" F-15 lens. This was a very portable refractor. |
|  | My last and finest Celestar "8". Sold to make room for my C-11. |
|  | Jaegers 5" F-5 Refractor on machined GEM. |
|  | Jaegers 6" F-10 Refractor. Highly baffled and built into a classical design. |
|  | 5" Meade OTA. |

| | |
|---|--|
|  | <p>My son, Dwayne, and his new 60mm Refractor, Christmas, 1991.</p> |
|  | <p>Copper mounted 4.25" F-4 Newtonian.</p> |
|  | <p>TAK FC-100 F-8 version in 1992.</p> |
|  | <p>Heavy duty GEM with 3" Polar and 2" RA shafts. This unit included a 40lb. counterweight and 2 speed DC electric slow motions.</p> |
|  | <p>My first attempt at a heavy duty GEM in 1978.</p> |
|  | <p>GEM and Meade 90mm MAK.</p> |
|  | <p>12.5" F-10 Newtonian with 6 tube baffles and 1.25" secondary.</p> |
|  | <p>One of my favorite refractors, this is the WF "80" with red dot finder, mounted on the highly competent CG-5.</p> |



This is the Skyview 102mm F-5 Wide Field Refractor mounted to the CG-5 using the 8" long milled dovetail bar for easy balance when using different accessories.



All aluminum pedestal and CG-5 mount features ... detachable legs and top plate for easy transport.



After a complete overhaul, the huge C-14 now replaces the old C-11. These Lunar and Jupiter photos were taken using the Eyepeice Projection Digital Camera Bracket and the C-14... [Lunar @ 244X](#) , [Lunar @ 868X](#), [Moon](#), and [Jupiter](#)

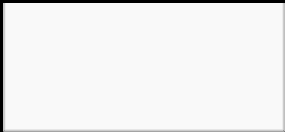
More Small Astronomical Observatories



Almost every serious amateur astronomer knows the benefit of having a fixed observatory of some sort - it saves a vast amount of time and effort during every observing session - and this book provides the necessary help. More Small Astronomical Observatories details the methods and techniques employed by non-professional astronomers from all over the world, providing a wonderful resource for anyone wishing to build a small observatory of almost any kind. It's a fun read, too. Not only that, but a free PC-format CD-ROM is included, containing the entire first book (now out of print) - you get two books for the price of one!

Please email me for information: sales@kendauzat.net

[Journey Back to Ken's Home Page](#)



130987

 Bravenet Free Counter

 [VIEW SITE STATS](#)

