

The history of the 6" GOTO telescope

The Astronomy Club of Gothenburg (Göteborgs Astronomiska Klubb - GAK) acquired the GOTO telescope in 1974. Various information is available regarding the history of the refractor before it arrived at the club. It is however established that the refractor came in the hands of a man in Stockholm around 1960. The most intricate description of that part of its history tells as the man was a ship-owner who in connection with a ship delivery, to or from, Japan received the telescope as a gift or partial payment. For various reasons the telescope never came to be used but instead was kept in its original packaging, oiled in, on an island in the archipelago of Stockholm. After the owner had passed away, the club received a tip that the telescope was up for sale. Due to its size the telescope was not easily sold, hence his family had contacted a company within the branch to aid them sell it. The telescope was purchased and shipped to Gothenburg from Stockholm and the family were pleased that the telescope came in the hand of an astronomical club due to the fact that more people could enjoy it. The club now needed to plan for an observatory as GAK did not have a suitable observatory building to house the instrument in. Meanwhile, the instrument was stored in a room at Chalmers University of Technology in Gothenburg. During that period the telescope was mounted and shown for the public twice. The first time was in 1975 in conjunction with a club meeting at Chalmers and the second time was at a fair in Gothenburg 1976. The plans for an observatory were not realized until the late 70s, and when the observatory was completed, the telescope could finally be mounted again and pointed at the stars in the sky. The instrument was of significance to the opening of the club and demonstrated excellent performance.

The Lahall observatory was thus constructed as a consequence of the purchased GOTO telescope. Here follows a bit of information and pictures regarding this. The observatory is situated approximately 10km south-east of the center of Gothenburg (as the crow flies). The dome has a diameter of around 5 meters and was officially inaugurated on May 26th 1984. There is no road up to the observatory, hence all the building material that was needed has been carried up to "Mount Lahall" on a 250m long path through the forest.

It has been an utmost pleasure to utilize this marvelous and charming telescope although with time new needs emerge and today the club is in need of more modern instruments. It is with mixed feelings that we take farewell to this piece of classical history, a mechanical and optical masterpiece.

Clear skies!

Göran Kajler

Observatory director

Translation by Robert Khashan

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SOURCE : OUT OF MEMORY FROM SOME CLUB MEMBERS.

SOURCE : PROFESSOR ERIK HOLMBERG, ARTICLE IN GÖTEBORGSPOSTEN 27 MAY 1984.

SOURCE : A LETTER (THE TIP THE CLUB RECEIVED REGARDING THE TELESCOPE) FROM TOOMAS JÜRISOO, 29 JANUARY 1974.

SOURCE : PROFESSOR ASSISTANT JOHAN KÄRNFELT, AURORA (OUR CLUB MAGAZINE) 3-2015





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Telescopes

TELESCOPES

GOTO 15 CM EQUATORIAL REFRACTOR

GOTO OPTICAL MFG. CO.

Magnification: 56X—562X

Diameter of Objective: 152 mm

Focal Length of Objective: 2,250 mm

Eye-pieces: Or. 4 mm, 6 mm, 9 mm

MH 12.5 mm, 18 mm, 25 mm, K 40 mm

Mount: Equatorial Mount on Iron pedestal

Accessories: Eyepieces, Finder-telescope (50 mm Ap., 12.5X), Herschel Prism, Star Diagonal Prism, Sunglasses, Moonglass, Crystal Oscillator, Sun Projection Screen, Star Spectroscope, Triple Turret Eye-piece Holder, Case for optical parts, Vinyl instrument cover and Tools.

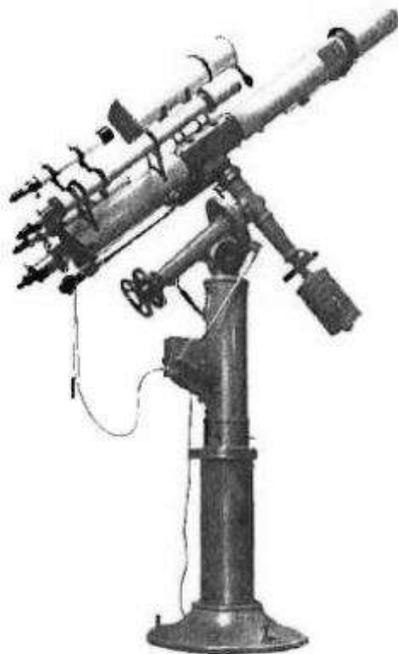
Weight

Telescope: 152 kg

Pedestal: 335 kg

Length: 2,500 mm

Height: 2,200 mm





GOTO's

TELESCOPE

Professional type

No. 303 6 in EQUATORIAL



★ **Mounting** Equatorial mount, with R. A. and Decl. circles and slow motions on iron pillar stand.

★ **Finish** Instrument finished white and Light grey colour with stove enamel.

★ **Accessories**

- | | | |
|---------------------|--|------------------------|
| 7 Eye-pieces | | 1 Finder telescope |
| Orthoscopic Or 4 mm | | 50mm, 12x, |
| " Or 6 " | | 1 Star diagonal |
| " Or 9 " | | 1 Sun diagonal |
| Mittenzwey | | 2 Sun glasses |
| Huygens HM12.5 " | | 1 Moon glass |
| " HM18 " | | 1 Driven clock |
| " HM25 " | | 1 Star spectroscope |
| Kellner K 40 " | | 1 Case for accessories |

6 吋 据 付 型 赤 道 儀

☆ **マウンティング** 赤経赤緯微動付(自索環付)赤道儀

☆ **脚** 鋳鉄製ビラースタンド

☆ **塗 装** 鏡筒白色, その他ライトグレー

☆ **付 属 品** 鏡付エナメル鏡筒仕上げ

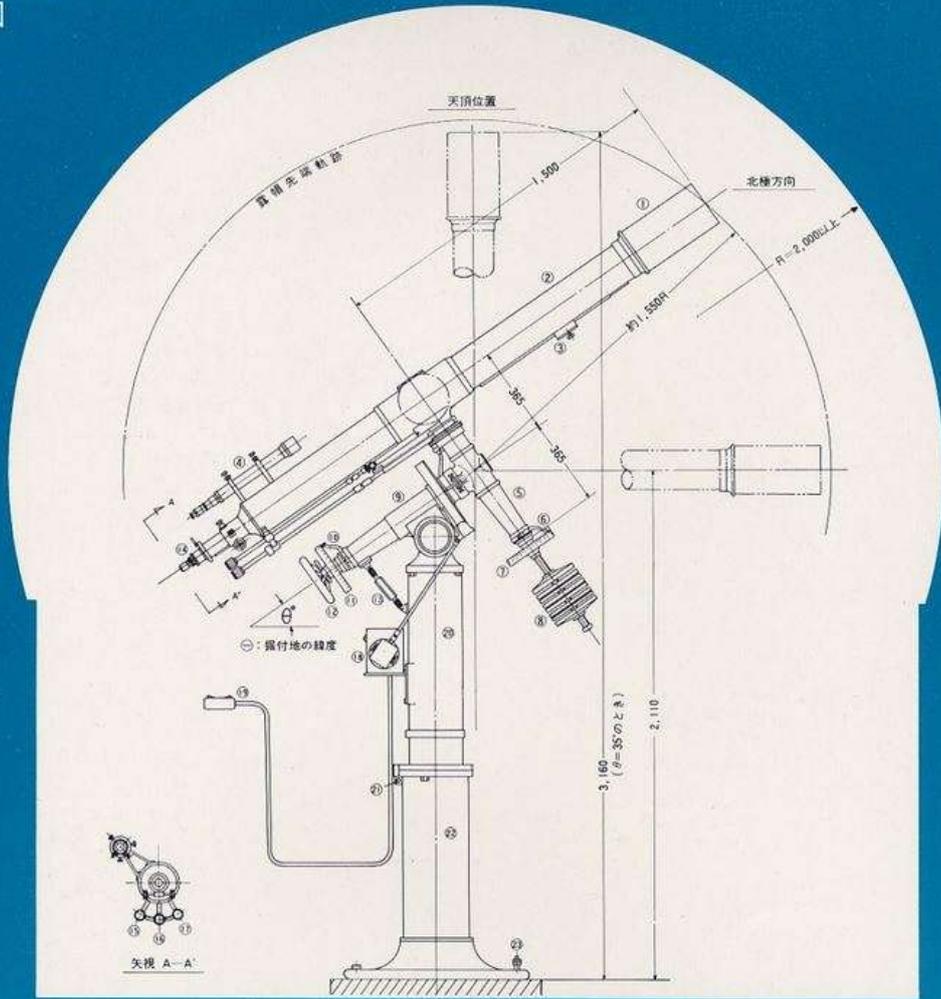
- | | |
|------------------|------------------|
| 接 眼 鏡..... 7 | フアインダー..... 1 |
| オルツスコピック Or 4 mm | 口径 50mm 12x |
| " Or 6 " | 星用プリズム..... 1 |
| " Or 9 " | 太陽用プリズム..... 1 |
| ミッテンツウエー | サングラス..... 2 |
| ハイゲンス HM12.5 " | ムーングラス..... 1 |
| " HM18 " | 運 転 時 計..... 1 |
| " HM25 " | 星用分光器..... 1 |
| ケルナー K 40 " | 格納箱(付属品用)..... 1 |

★ **Optical Effect** 光学的性能

Achromatic objective 色消し対物レンズ	Clear aperture	有効径	150mm
	Focal length	焦点距離	2,250 "
	Light collecting power	集光力	460x for naked eye
	Resolving power with respect to double star	分解能	0.77 "
	Faintest discernible star	極限等級	12.7

	Focal length of eye-piece 接眼鏡の焦点距離 mm	Magnification 倍 率	Diameter Exit pupil 射出瞳孔径 mm	Light transmitt. power 光 明 度	Field of view real 実 視 界	Field of view app. 見掛け視界
Astro. 天 体	40	56x	2.7	—	0° 45'	42°
	25	90x	1.7	—	0 30	45
	18	125x	1.3	—	0 22	45
	12.5	180x	0.8	—	0 15	45
	9	250x	0.6	—	0 9	39
	6	375x	0.4	—	0 6	39
	4	562x	0.3	—	0 4	39

15 cm
 屈折赤道儀
 説明図



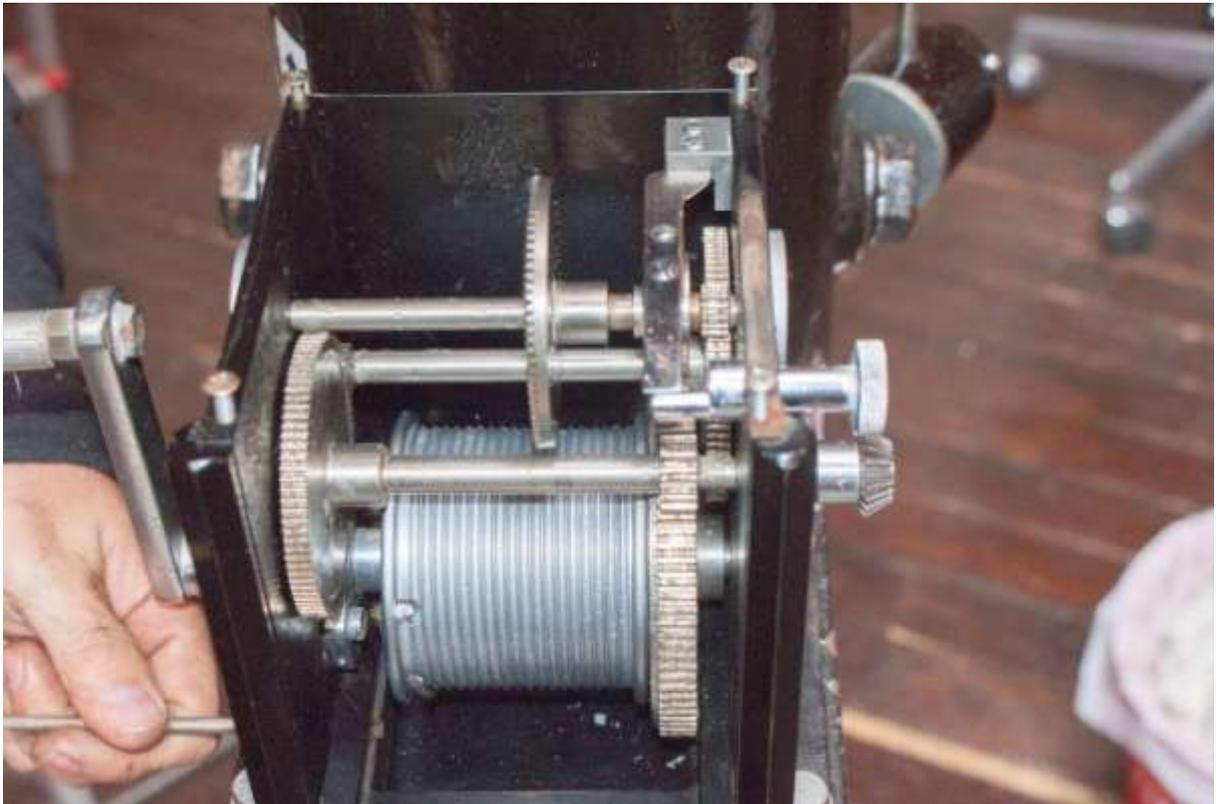




PHOTO G.KAJLER CLAVIUS 14 APRIL 2019



PHOTO G.KAJLER MARS 29 OCT 2020

LAHALL OBSERVATORY



2021

