

Николай I Павлович

OUKAZE

DONNÉ AU SENAT DIRIGEANT.

Dans le désir de favoriser les progrès de l'Astronomie dans Notre empire, Nous avons ordonné de construire, dans les environs de St.-Pétersbourg, sur la montagne de Poulkova, l'Observatoire astronomique central et de le munir d'un appareil complet des instruments les plus parfaits.

Aujourd'hui, que la construction des édifices destinés à cet établissement approche de sa fin, en sorte qu'il pourra être ouvert et que les observations pourront y commencer des 1839, Nous avons sanctionné les règlements et l'état de l'Observatoire rédigés par le Ministre de l'instruction publique et examinés au Conseil d'état et Nous ordonnons de se mettre à exécution à dater du 1 de janvier de l'année prochaine.

L'original est signé de la propre main de SA MAJESTÉ la PÉRIALE

19 juin 1 juillet 1838. NICOLAS.



L'original est apostillé de la propre main de Sa Majesté Impériale:
"Ainsi soit-il".

Varsovie, ce 19 juin 1838.

RÈGLEMENTS

DE L'OBSERVATOIRE ASTRONOMIQUE CENTRAL.

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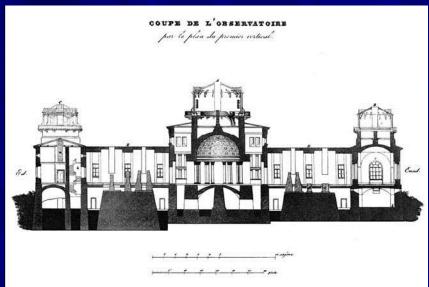
L'OBSERVATOIRE astronomique construit sur la montagne de Poulkova, à 17 verstes de St.-Pétersbourg, est confic à l'administration immédiate de l'Académie Impériale des sciences, et tenant le premier rang parmi les établissements de ce genre en Russie, il porte le nom d'Observatoire astrono mique central (Imperialis primaria Rossiae, Specula Academica).

8 2

L'Observatoire central a pour but: a) de fournir des observations suivies et aussi parfaites que possible, tendant à perfectionner l'Astronomie comme science; b) de livrer les observations correspondantes, indispensables aux entreprises géographiques dans l'empire et aux voyages scientifiques en général; enfin e) de coopérer, par tous les moyens, au perfectionnement de l'astronomie pratique dans ses applications la géographie et à la navigation, et d'offeir aux personnes qui désirent en profiter, l'occasion de s'exercer dans la détermination géographique des lieux.

The Russian Emperor Nicholas the First (Nikolai Pavlovich Romanov)





Architect
Alexander Brüllow (1798-1877)
with designs of the Observatory

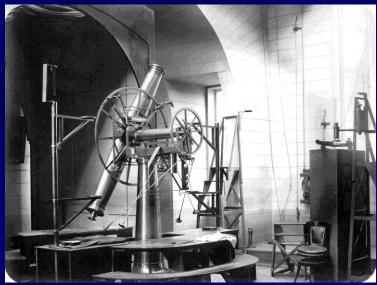
Худ. А.И.Клиндер, бумага, акв.,1840. Гос. музей А.С.Пушкина



The first director of the Pulkovo Observatory Friedrich Georg Wilhelm (Vassily Yakovlevich) Struve (1793-1864)

Artist Jensen, 1841
Pulkovo Astronomical Museum





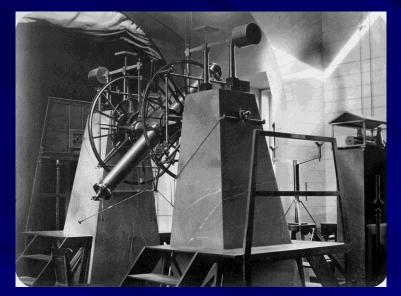
The Large transit instrument of Ertel-Struve (D = 150 mm, F = 2590 mm) and the Large vertical circle of Ertel-Struve (D = 150 mm, F = 1960 mm)

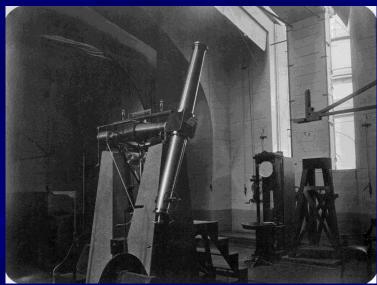
The main transit instruments of the Pulkovo Observatory



Traugott Leberecht Ertel (1778-1858)

Artist M.Echter, 1838





The Repsold Meridian Circle and the Repsold Vertical Circle

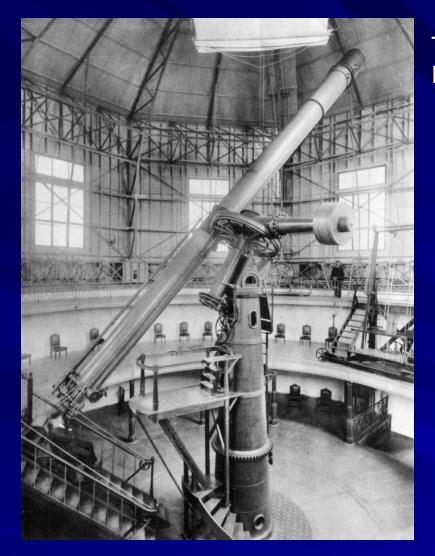
The main transit instruments of the Pulkovo Observatory





The Repsold Brothers Adolf (1806-1871) and Georg (1804-1885)

Artist Jensen, 1840 Pulkovo Astronomical Museum



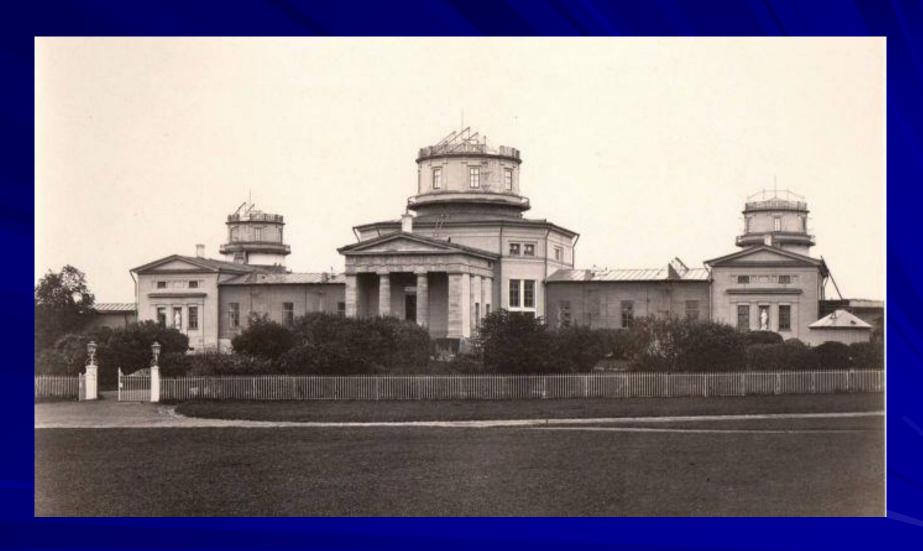
The world largest (at that time) 30-inch Refractor manufactured by the Clarks

The outstanding Russian astrophysicist Acad. Aristarchos Belopolsky





The general view of the Main Building of the Pulkovo Observatory from the balcony of the 30-inch Great Refractor Pavilion (end of XIX cy.)



The Main Building of the Pulkovo Observatory Second half of the XIX cy.



Two southern branches of Pulkovo Observatory

Simeiz Observatory was found by N.S. Mal'tsov in 1900. In 1908 he donated it to the Pulkovo Observatory

Since 1912 it was one of the Southern departments of Pulkovo Observatory

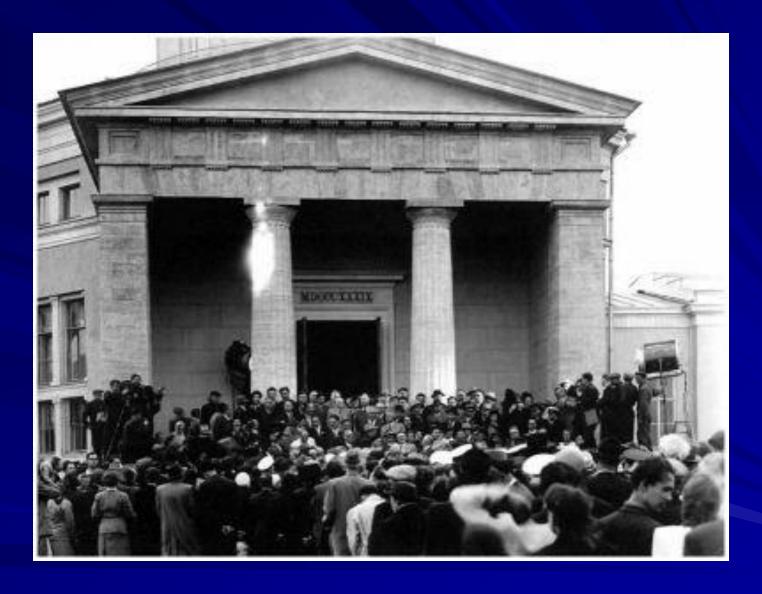


Nikolaev Astronomical Observatory is the oldest naval observatory in the South-Eastern Europe, founded in 1821 by admiral A.S. Greig for needs of the Black Sea Navy. The first director was K. Knorre. From 1912 up to 1991, NAO was one of the Southern departments of Pulkovo Observatory.

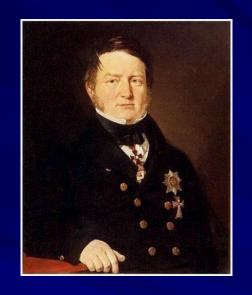


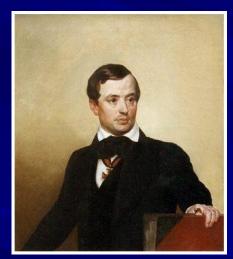
Ruins of the Pulkovo Observatory 1941-1944





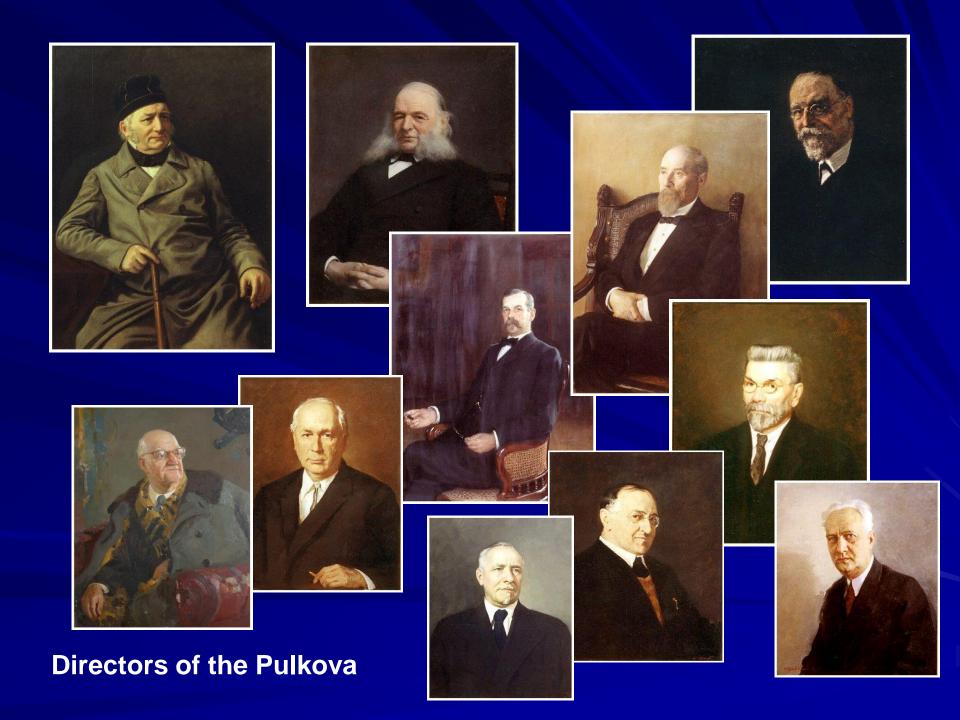
The Meeting in Celebration of the Inauguration of the Restored Pulkovo Observatory, May 1954





Picture Gallery of the Pulkovo Observatory





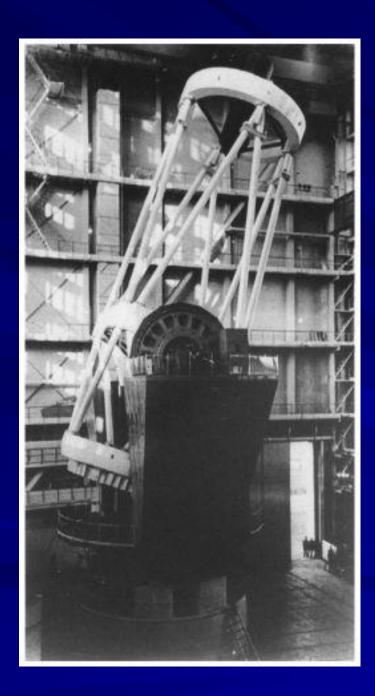
Scientific activity of the Pulkovo Observatory

- -Astrophysics
- -Solar Physics
- -Radio Astronomy
- -Celestial Mechanics and Stellar Dynamics
- -Positional Astronomy
- -Geodynamics, Time and the Earth Rotation
- -Astronomical Instrument-Making

Cooperation with astronomers from the Great Britain, Spain, the USA, Denmark, Italy, France, Germany, Belgium, Finland, India, China, Japan, Greece and other countries



Prof Dmitry Maksutov, Vladimir Schreiber, and Yurij Shkol'nikov in the Observatory Optical Shop, 1970



The 6-meter Reflecting Telescope (1977) The Pastukhov Mountain, North Caucasus The Special Astrophysical Observatory

Designed by D. Maksutov and B. Ioannisiani





Khaikin-Kaidanovsky Large Pulkovo Radio Telescope (110 m, 1956)

Prof Semen Khaikin (1901 – 1968)

RATAN-600

D = 600 m, 1975 (the North Caucasus, Special Astrophysical Observatory





Big Pulkovo Radio Telescope



The High Altitude Astronomical Station of the Pulkovo Observatory near Kislovodsk (North Caucasus, 2100 m)

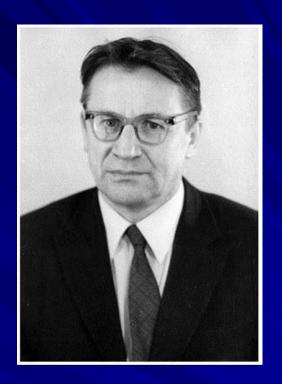


Prof. Mstislav Gnevyshev (1914 – 1992)



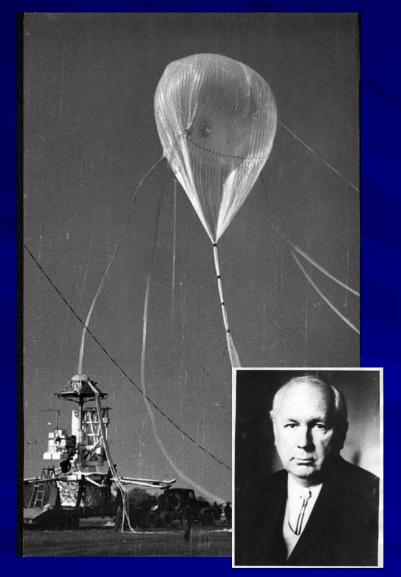






Prof Alexey Kiselyov

26-inch Refractor (Carl-Zeiss-Jena)



Prof Vladimir Krat (1911 – 1983)



Solar stratospheric observations, h ≈ 20 km (1963-1966), PI – V.Krat



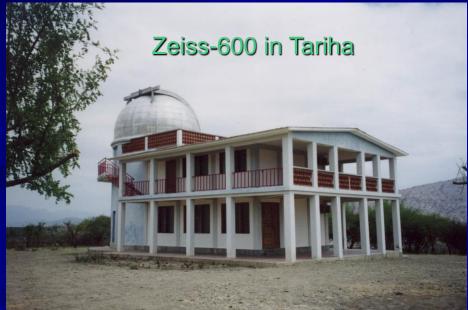
Нил Олден Армстронг и директор пулковской обсерватории В.А.Крат на солнечном телескопе АЦУ-5 в мае 1970г., справа космонавт Г.Т. Береговой

After 1991 Pulkovo have lost 5 stations:

- Nikolaev Observatory (Ukraine)
- Station in Ordubad (Azerbaidjan)
- Station at Ashtarak (Armenia)
- Observatory at Shar-Bulak (Tadjikistan)
- Observatory at Cuba

Fortunately: El Roble (Chile) and Tariha (Bolivia)





Astrograph and Zeiss-600 in Tariha (Bolivia)



MAKSUTOV AZT-16 at El Roble (Chile)



March 2013. First visit of Pulkovo astronomers to El Roble since 1973

The Ertel-Struve instruments in the Western Meridian Pavilion after reconstruction





The Round Hall of the Pulkovo Observatory (Astronomical Museum)







Medal of F.G.W. Struve, 2006

(Sculptor A. Degtyarev)

The Struve Memorial Plate, 2009

The Pulkovo Memorial Astronomer's Cemetery





The Cenotaph to the memory of the Stalinist political terror victims

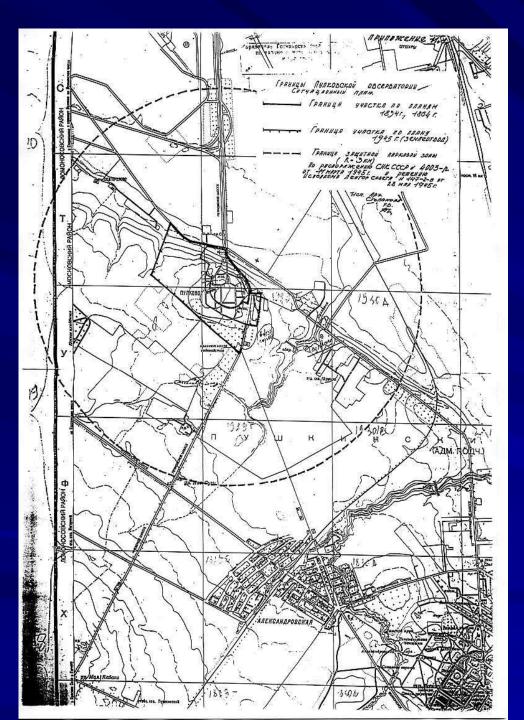
The tomb of F.G.W. Struve





The Monument on one of the triangulation chain points (Hoegland Island)

The Struve Geodetic Arc Since 2005 included into the UNESCO List of the World Heritage Pulkovo Observatory together with Nikolaev Astronomical Observatory and Crimean Astrophysical Observatory as the former Branches form a network, linked by the common theme of the UNESCO project "Route of European astronomical observatories"



3 km protection area of the Pulkovo Observatory

THE LAW OF SAINT-PETERSBURG
On the rules of land utilization and real estate
development in Saint-Petersburg

4 February, 2009

ARTICLE 71. Restrictions on the use of land plots and major construction objects on the territory of the protected parkland area of the the Pulkovo Observatory.



Open door's day in Pulkovo, April 2009

Education: ~15000 school children visited Pulkovo Observatory per year.



Thank you