

8th meeting of Coordinating Committee of the Struve Geodetic Arc



**THE FEDERAL SERVICE FOR
STATE REGISTRATION,
CADASTRE AND CARTOGRAPHY
OF RUSSIAN FEDERATION**

**SAINT PETERSBURG,
September 12-14, 2018**



All-Russian non-governmental organization
RUSSIAN GEOGRAPHICAL SOCIETY
Founded in 1845



COMMISSION OF THE RUSSIAN
FEDERATION FOR UNESCO



SAINT PETERSBURG ASSOCIATION
FOR GEODESY AND
CARTOGRAPHY

2018 IS THE ANNIVERSARY YEAR



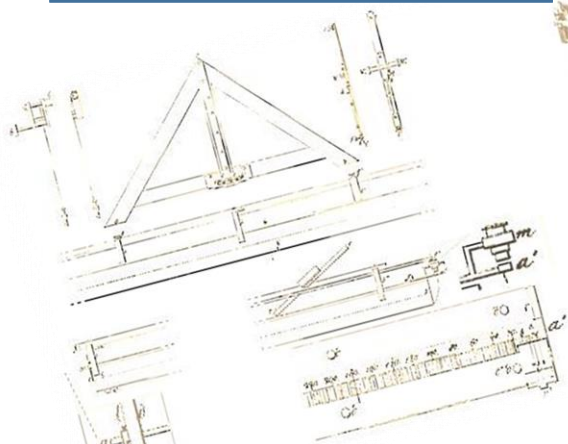
APRIL 15 - 225 YEARS SINCE THE BIRTH DATE OF VASILY STRUVE



Jubilee 2 rubles silver coin dedicated to the 225 anniversary of Vasily Struve birthdate

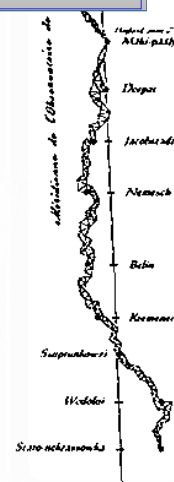


JUNE 22 - 235 YEARS SINCE THE BIRTH DATE OF KARL TENNER



Сего года составили первоклассные триангуляции от Дружественского основания до верховья Вильмы и Ковна, а именно от 36° до 45° градусного исчисления; от 138" до 145"; от 163" до 169" и от 1;6" до 1;9"; но увы! сие не удалось только малыми недостатками.

Последняя работа была прекращена в конце Октября



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THE PROJECT FOR
POPULARIZATION OF THE
RUSSIAN SEGMENT OF THE
UNESCO WORLD HERITAGE
"STRUVE GEODETIC ARC»
ON THE TERRITORY OF THE
RUSSIAN FEDERATION

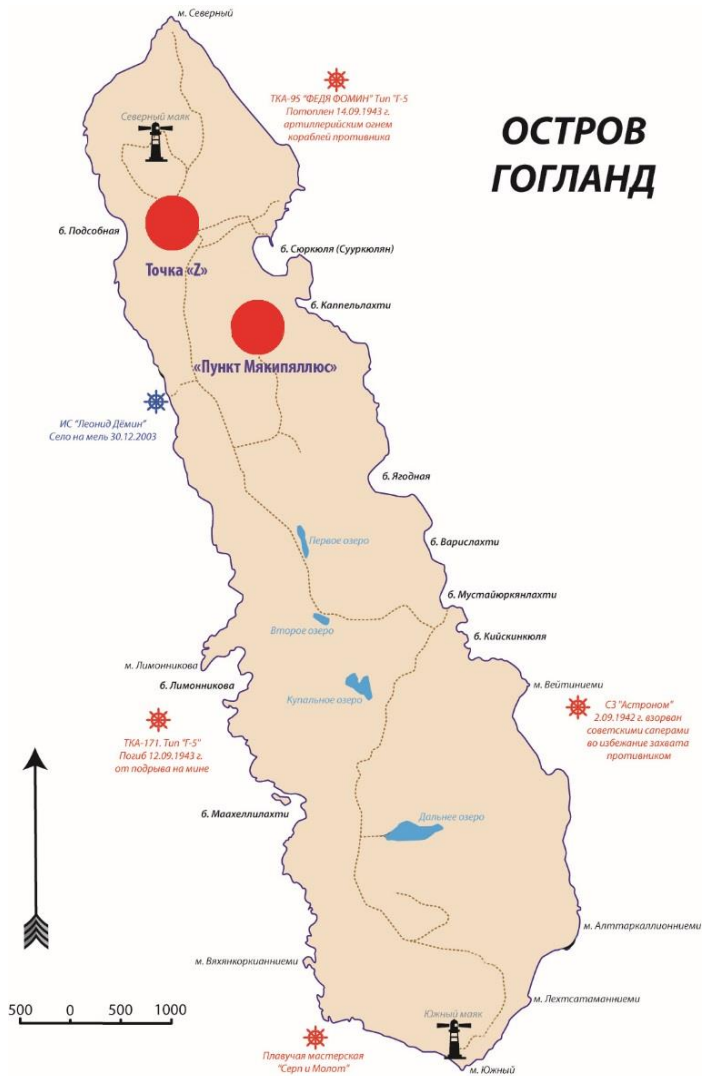


IN THE RUSSIAN FEDERATION THERE ARE 2 POINTS OF «STRUVE GEODETIC ARC»:

"POINT Z" AND «MÄKIINPÄÄLLYS POINT».

BOTH OF THEM ARE ON GOGLAND ISLAND IN THE GULF OF FINLAND, 180 KM FROM ST. PETERSBURG .

ОСТРОВ ГОГЛАНД



THERE ARE
4 POINTS IN NORWAY,
4 IN SWEDEN,
6 IN FINLAND,
3 IN ESTONIA,
3 IN LITHUANIA,
2 IN LATVIA,
1 IN MOLDOVA,
4 IN UKRAINE,
5 IN BELARUS



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GOGLAND ISLAND



SMALL BASIS IS THE PLACE FOR THE METROLOGICAL CALIBRATION OF MEASURING GEODETIC INSTRUMENTS USED ON THE STRUVE GEODETIC ARC. IT WAS CARRIED OUT ASTRONOMICAL CONNECTION OF THE CENTERS OF SMALL BASIS WITH ONE OF THE POINTS OF THE STRUVE GEODETIC ARC (DORPAT, TARTU OBSERVATORY) AS WELL.



SMALL BASIS IS LOCATED ON THE TERRITORY OF PULKOVO OBSERVATORY. SMALL BASIS CENTERS ARE NOT INCLUDED IN THE STRUVE GEODETIC ARC.

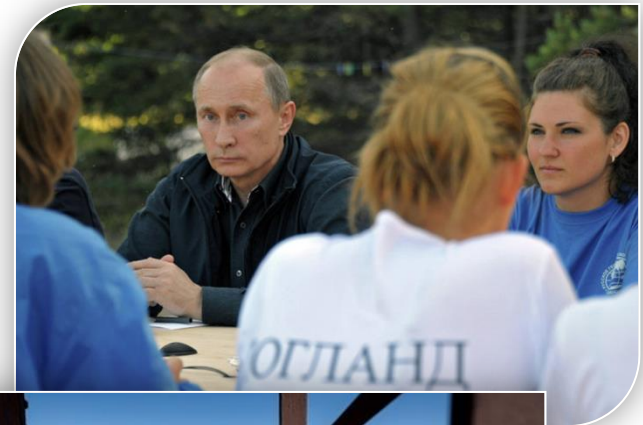
THE COMPLEX EXPEDITION "GOGLAND" IN 2017 -2018 WAS ORGANIZED ON BEHALF OF THE PRESIDENT OF THE RUSSIAN FEDERATION VLADIMIR PUTIN VISITED GOGLAND ISLAND IN 2013, AND UNDER THE PATRONAGE OF THE PRESIDENT OF THE RUSSIAN GEOGRAPHICAL SOCIETY, MINISTER OF DEFENSE SERGEY SHOIGU.

PROMOTERS OF EXPEDITION

RUSSIAN GEOGRAPHICAL SOCIETY

EXPEDITION CENTER OF THE MINISTRY OF DEFENCE

ST. PETERSBURG ASSOCIATION OF GEODESY AND CARTOGRAPHY



PARTICIPANTS, TASKS AND PURPOSES

VOLUNTEERS, MEMBERS OF YOUNG ARMY, CADETS , STUDENTS OF COLLEGES AND UNIVERSITIES, SCIENTISTS, MEMBERS OF PUBLIC ORGANIZATIONS

RESEARCH OF NATURE, ECOLOGY AND HISTORY, INCLUDING GEODESIC

ELIMINATION OF CONSEQUENCES OF ANTHROPOGENIC INTERFERENCE IN THE UNIQUE NATURE OF THE ISLAND OF GOGLAND. THE PRESERVATION OF UNESCO LANDMARKS ON THE ISLAND OF HOGLAND.



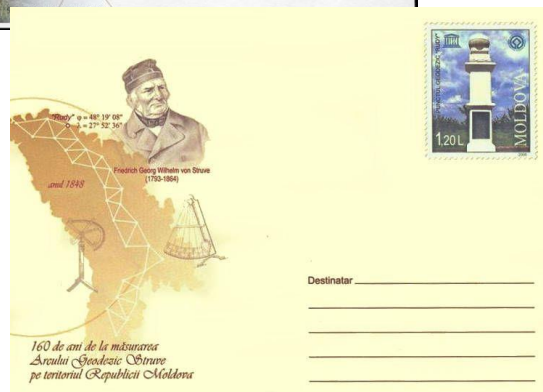
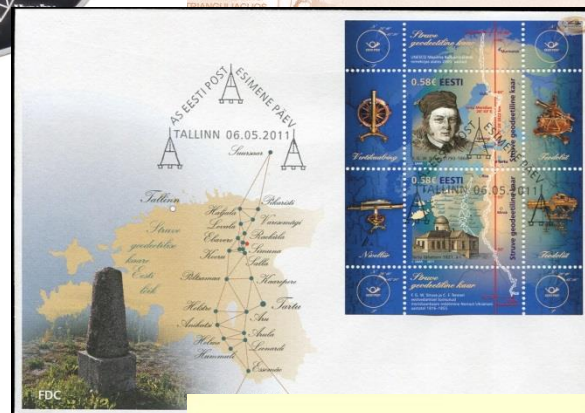
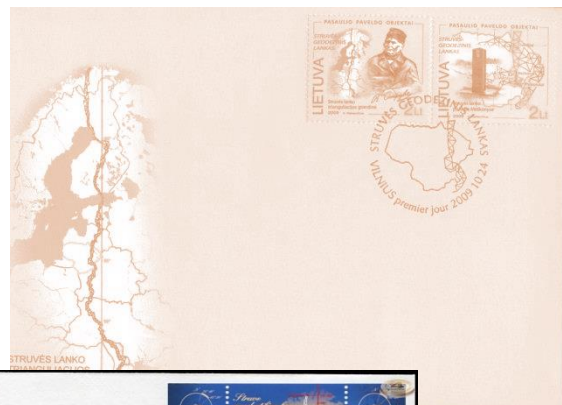
INTERACTIVE MAP OF STRUVE GEODETIC ARC» GRANT OF THE RUSSIAN GEOGRAPHICAL SOCIETY

- PUBLISHING OF THE MATERIALS OBTAINED IN THE RESULT OF EXPEDITIONS**
- PUBLICATIONS OF RUSSIAN AND FOREIGN SCIENTIFIC ISSUES DEDICATED TO THE STRUVE GEODETIC ARC**
- QUOTES AND LINKS TO THE ORIGINAL SOURCES (THE WORKS OF VASILY STRUVE AND KARL TENNER)**
- POPULAR SCIENCE ARTICLES ON THE SUBJECT**
- DESCRIPTION OF GIFT SOUVENIR PRODUCTS MANUFACTURED BY THE STATES PARTIES TO THE COMMITTEE**

PROJECT PARTICIPANTS

- CURRENT MEMBERS AND VETERANS OF THE ST. PETERSBURG ASSOCIATION OF GEODESY AND CARTOGRAPHY**
- REPRESENTATIVES OF FEDERAL REGISTRATION SERVICE FOR ST. PETERSBURG AND THE LENINGRAD REGION**
- STUDENTS AND FACULTY OF SAINT PETERSBURG STATE UNIVERSITY**

SAMPLES OF SOUVENIR PRODUCTS "STRUVE GEODETIC ARC" MANUFACTURED BY THE STATES PARTIES OF THE COMMITTEE



WORK ON THE STUDY AND PROMOTION OF CULTURAL HERITAGE IN THE RUSSIAN SECTOR OF INTERNATIONAL UNESCO MEMORIAL «STRUVE GEODETIC ARC»

1.

WORK IS BEING CARRIED OUT ON THE FIRST STAGE OF CREATING AN INTERACTIVE PROJECT UNESCO CULTURAL HERITAGE SITE "STRUVE GEODETIC ARC ". THE PROJECT PARTICIPANTS GOT ACQUAINTED WITH THE PRIMARY SOURCES, IDENTIFIED THE SOFTWARE ENVIRONMENT WHERE THE DEVELOPMENT WILL BE CARRIED OUT AND BEGAN TO DEAL WITH THE STRUCTURE OF THE WEB SERVICE OF THE INTERACTIVE MAP, WHICH WILL SUBSEQUENTLY HOST MATERIALS, PHOTOS AND VIDEO CONTENT

2.

THE PRIMARY SOURCES, IDENTIFIED THE SOFTWARE ENVIRONMENT WHERE THE DEVELOPMENT WILL BE CARRIED OUT AND BEGAN TO DEAL

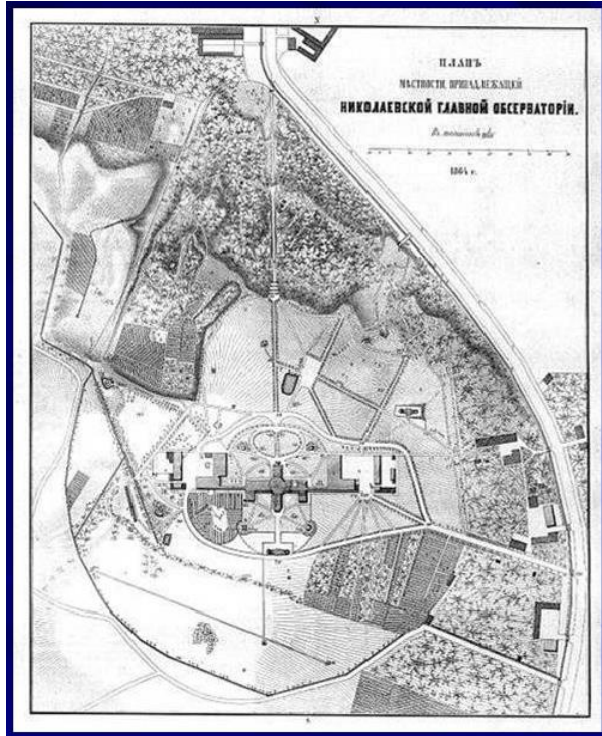
3.

FILMED HISTORICAL DOCUMENTARY "POLAR MERIDIAN". DIRECTOR – M. MALAKHOV, FILM STUDIO – “LENDOC”

4.

ST. PETERSBURG ASSOCIATION OF GEODESY AND CARTOGRAPHY IN 2017 – 2018 FILMED DOCUMENTARIES NAMED «COURSE ON GOGLAND» AND «WITHOUT BORDERS AND POLITICS»

WORK ON THE STUDY AND POPULARIZATION OF THE STRUVE SMALL BASIS



THE GENERAL PLAN OF PULKOVO OBSERVATORY WITH APPLIED STRUVE SMALL BASIS

THE INITIATIVE FOR THE EXTENSION OF THE OBJECT OF UNESCO WORLD HERITAGE "STRUVE GEODETIC ARC" BY INCLUDING OF THE STRUVE SMALL BASIS LOCATED ON THE TERRITORY OF THE PULKOVO OBSERVATORY

• TOPOGRAPHIC SURVEY OF THE STRUVE SMALL BASES WAS CARRIED OUT

• THE PHOTOS OF MAIN FIGURES OF THE BASES AND SURROUNDED OBJECTS WERE TAKEN FOR THE FURTHER CONSTRUCTION OF PHOTO AND VIDEO PANORAMAS

• THE MATERIALS OF THE INVESTIGATIONS WILL BE THE BASE FOR DOCUMENTATION AND SERVE AS A STRUCTURE FOR FUTURE INTERACTIVE MAP "STRUVE GEODETIC ARC"

• GET READY TO START PROJECT DESIGN OF STRUVE SMALL BASIS IN CASE THE DECISION TO INCLUDE IT INTO THE OBJECT OF WORLD HERITAGE INSIDE "STRUVE GEODETIC ARC" WOULD BE ACCEPTED

THANKS FOR YOUR ATTENTION

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inter-dep@rosreestr.ru



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