ALKALINE ROCKS:

PETROLOGY, MINERALOGY, GEOCHEMISTRY

Conference dedicated to the memory of

J. A. Morozewicz

Kyiv, Ukraine,

19-21 September, 2010

ORGANIZED BY

the M. P. Semenenko Institute of Geochemistry, Mineralogy and Ore Formation of the National Academy of Science of Ukraine

and

the Mineralogical Society of Poland

IN COLLABORATION WITH

State Geological Survey of Ukraine

Polish Geological Institute

Institute of Geological Sciences of the Jagiellonian University

Ukrainian State R&D Institute of Mining Geology, Rock Mechanics and Mine Surveying

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The Conference is dedicated to the memory of the famous Polish geologist, petrographer and mineralogist, Joseph August Morozewicz (1865-1941) who made important contributions to the understanding of alkaline rocks. During the period 1898-1908, Morozewicz carried out investigation in the Azov region. He discovered and then described in several papers, published in German, Polish and Russian, alkaline rocks of the Mariupol area, in particular mariupolites, the specific rocks of albite-nepheline composition. He found new mineral components of alkaline rocks - taramite and bekkelite, and first determined the specific composition of nepheline, known today as "Morozewicz nepheline".

The main topic of the conference will be the integrated application of modern geochemical and mineralogical methods to the investigation of alkaline rocks that stimulates development of our ideas about the genesis of alkaline rocks, their differentiation and crystallization, the concentration of ore minerals in alkaline massifs, and the role of fluids in these processes. Modeling of processes of the alkaline melts formation and experimental investigations allow verification and extension of the modern concepts on the origin of these rocks. Special attention will be paid to new data on geochemistry, mineralogy and petrology of alkaline complexes of the Azov region and to investigations of specific ores related to these rocks.

The Conference will be held in Kyiv, Ukraine, from 19 to 21 September, 2010. The post-conference field trip to the Mariupol Massive in the Azov region, will take place from 22 to 24 September 2010.

MAIN TOPICS

- Alkaline magmatism in the Azov region and the role of J. A. Morozewicz in its investigation
- Mineralogy and geochemistry of alkaline rocks
- Petrology of alkaline magmatic associations
- Ore deposits related to alkaline magmatism

OFFICIAL LANGUAGE

The official Conference language is English.

WEB-SITE OF THE CONFERENCE:

http://www.ptmin.pl/alkalinerocks

IMPORTANT DATES

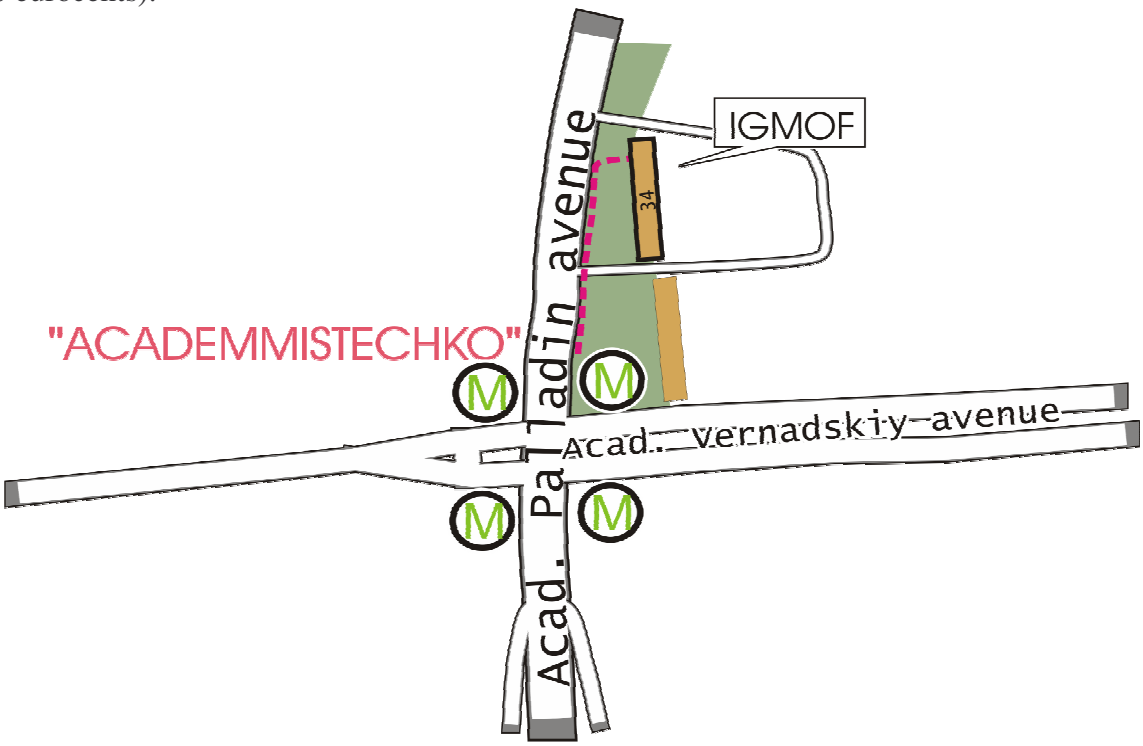
- **April 15**, 2010 – deadline for registration
- **May 31**, 2010 – deadline for abstracts and registration fee
- **July**, 2010 – Programme & invitation for participation in the Conference and additional information
- **September 19**, 2010 – opening of the registration
- **September 20–21**, 2010 – scientific programme
- **September 22–24**, 2010 – post-conference field trip

POSTAL ADDRESS OF THE ORGANIZATION COMMITTEE

M.P. Semenenko Institute of Geochemistry, Mineralogy and Ore Formation, NASU
03680, Kyiv, pr. Palladina, 34, Ukraine.
It is necessarily to indicate "Conference" on an envelope.
Tel. (+38 044) 501-15-20
Fax (+38 044) 424-12-70
E-mail: JMorgcom@i.ua (**for registration forms and questions**)
JMpapers@i.ua (**for abstracts**)

HOW TO GET HERE?

Route from Central railway station: Go out from the central entrance; turn left and go ca. 50 meters to the metro (underground) station "Vokzal'na". In metro, go into the first carriage in the direction "Academmistechko". It is the last station. In metro station "Academmistechko" go out ahead and right. Then go to the institute as shown on the map below. Metro ticket costs 1,70 hryvna (~20 eurocents).



Route from Boryspil airport: At the airport square take a bus to the **central railway station**. The bus goes every 20-30 minutes, ticket price 25 hryvna (2,50 €). The way takes 50 minutes. At the

end stop you should use pedestrian subway to go to metro (underground) station "Vokzal'na". Further way is the same as was described above.

ATTENTION: All payments in Ukraine are available only in national currency! You can exchange your money at the airport or railway station, or use your card at cash terminals.

CONFERENCE FEE

Categories	Early registration before May 31, 2010	Late (after May 31, 2010) or on-site registration
Participant	160 €	200 €
Student/postgraduates/young scientists (below age 36)	80 €	200 €

CONFERENCE FEE INCLUDES: Admission to all scientific sessions, conference materials, coffee breaks, opening ceremony.
Travel expenses, meals (except of coffee-breaks), conference dinner and lodging – due of the participants of conference.

Methods of payment:

(1) The conference fee *in any currency* should be paid to the following account:
Polskie Towarzystwo Mineralogiczne
SWIFT/BIC: PKOPPLPW; IBAN: PL92 1240 4559 1111 0000 5420 4162
Important: add note "Alkaline rocks" and the name of participants
(2) Bank transfer *in hryvna* accordingly to official exchange rate of National Bank of Ukraine for the date of payment (http://www.bank.gov.ua/ENGL/DEFAULT.htm) is available. For further details or for direct cash payment please contact our responsible person ***Olena Zhuk***.
E-mail: OA-zhuk@rambler.ru; Tel. +38 044 3532175.

ACCOMMODATION

For hotel search and prices please use internet sites: www.AllKievHotels.com
Organizing Committee will book limited number of rooms in academician hotel Feofania. We can help also to book cheap flats for organized groups of 2-5 participants near the Institute. Please contact us with a request.

ABSTRACTS

Abstracts, up to two pages should be in English. The abstract should be submitted in electronic form (e-mail attachment). Text must be composed in the MS Word format using Times New Roman (12 pt) font and 1,5 int. Margins: lower, overhead, left – 20 mm, right – 10 mm. Text should not contain any tables or figures. Mathematical symbols and formulas must be prepared using MS Equation editor; all units must be quoted accordingly to SI. The list of references must be given in order of mentioning.

Abstracts will be published in the author's version. The materials designed with a violation of the above requirements or sent after May 31, 2010 will not be considered.

The title of the abstract must be prepared accordingly to the following example, with e-mail address of presenting author:

MINERALOGY AND GEOCHEMISTRY OF ALKALINE ROCKS

Petro Ivanenko[1], Oleksiy Pavlenko[2]

[1] **M.P. Semenenko Institute of of Geochemistry, Mineralogy and Ore Formation of NASU**

p.ivanenko@igmr.gov.ua

[2] **Institute of Geology and Geochemistry of Combustible Minerals of NASU**

PUBLICATIONS

Participants are encouraged to submit papers based on their conference presentations to *Mineralogia*, an international journal edited by the Mineralogical Society of Poland. Special issue devoted to the topic of the Conference is planned. For instructions of paper preparation see *Mineralogia* webpage: www.mineralogia.pl

EXCURSION "Alkaline rocks of the Azov area"

Post-conference field trip to the Mariupol Massive, Azov area, from 22 to 24 September 2010. Preliminary price of the excursion is 150-200 €.

Field registration fee will include transportation to/from Donetsk, 1 night in the hotel, bus excursion, visits to private open pits, geological and general guide presentations and meals during the trip.

Leaders: Stepan Kryvdik, Leonid Shumlyanskyy, Sergiy Strekozov

Duration: 2 days, leaving from Kyiv to Donetsk by train on 21 September, two days in Azov area staying overnight at hotel in Donetsk, returning to Kyiv on 24 September by train. Return flights can be arranged directly from Donetsk international airport. *It is only a preliminary schedule*.

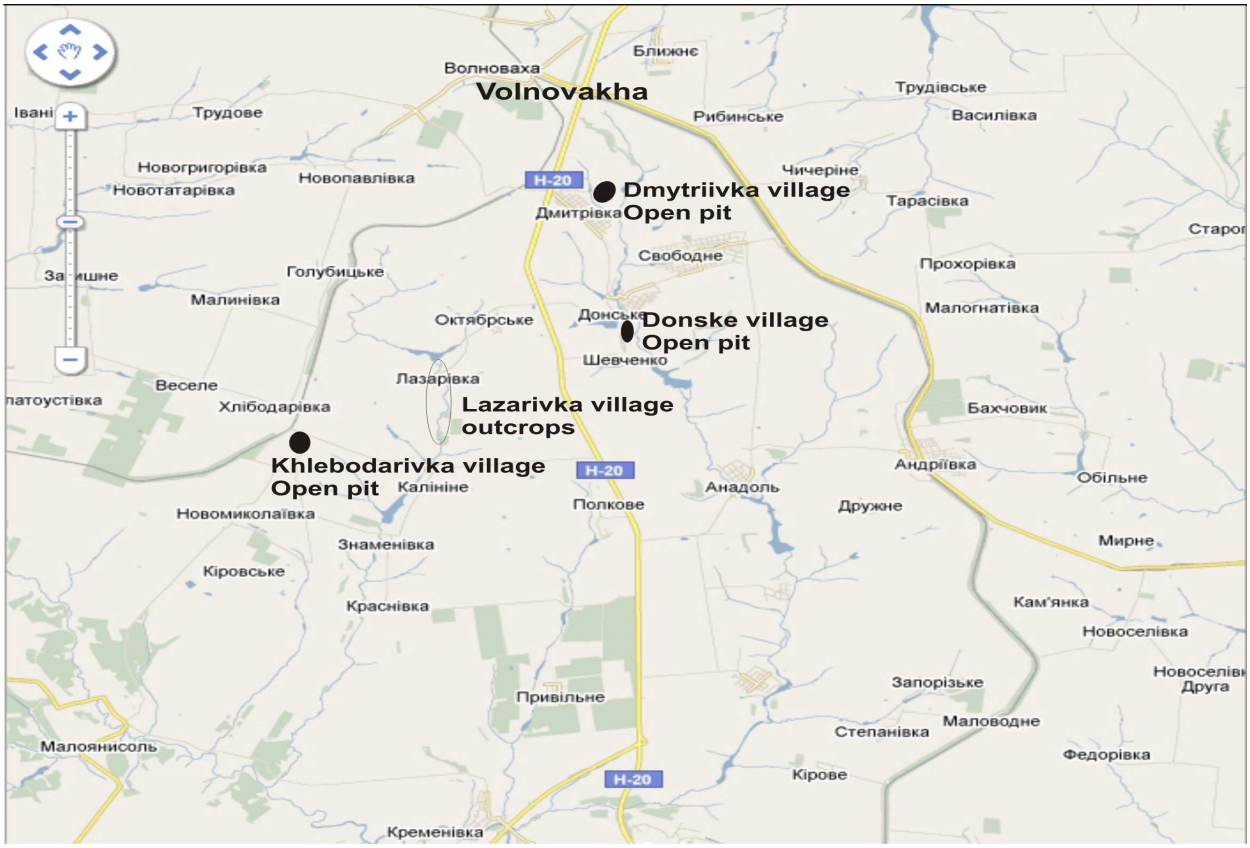
Length: ca. 200 km (*bus excursion from Donetsk*)

Excursion area

Max. number of participants: 35

Demands: nothing specific

Accommodation in Donetsk: details will be announced later



Excursion stops

Specific focus and preliminary daily program:

Day 1. *Open pit in Donske village*. Pit located within the Oktyabrskyy massif of alkaline rocks. Open pit exposes mariupolite, pegmatitic mariupolite with sodalite, nepheline syenite pegmatite, sodalite pegmatite. Mariupolite contains some britholite, pyrochlore and zircon.

Dmytriivka open pit. Pit is located in the vicinity of the Oktyabrskyy massif and reveals alkaline apogranitic metasomatic rocks, albitites, albite-microcline rocks, with considerable amount of aegerine, in some places with astrophylite and rich Mo mineralization. Rocks contain some zircon, britholite, bastnesite, fluorite, pyrochlore.

Day 2. *Outcrops* of taramite foyaite mariupolite, syenite nearby *Lazarivka village*.

Open pit in Khlebodarivka village. Pit exposes enderbite, cut by veins and dykes of kamptonite, carrying megacrysts of biotite, amphibole, augite, anorthoclase, as well as veins (dykes) of calcitic carbonatite with exocontact phenitic aureole.

PRELIMINARY REGISTRATION FORM

Please fill in and return this form before 15/04/2010

Surname _____ **First name** _____

Status

Participant ☐

Student/postgraduate/young scientist (below age 35) ☐

Organization _____ **Address** _____

_____ _____

Postal Code _____ **City** _____

Country _____

e-mail _____ **Fax** _____

I intend to contribute

an oral presentation ☐

poster presentation ☐

topic of my presentation:

- alkaline magmatism in Azov region and role of J. A. Morozewicz in its investigation ☐
- mineralogy and geochemistry of alkaline rocks ☐
- petrology of alkaline magmatic associations ☐
- ore deposits related to alkaline magmatism ☐

Title of the presentation* _____

_____

_____

Co-authors _____

_____

_____

I am interested in the field trip ☐

Methods of payment

Bank transfer in EUR ☐

Bank transfer in hryvna or direct cash payment ☐

**An Organization Committee reserves a right of the final selection of Oral Presentations as well as rejection of any materials which do not meet the subjects.*