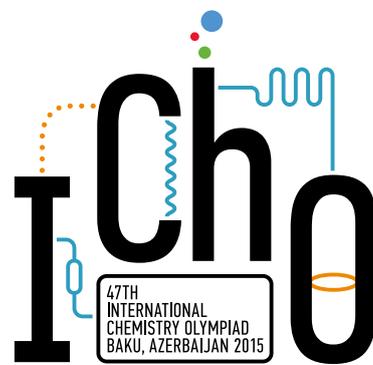


CATALYZER

No.5, THURSDAY, 23 JULY, 2015

LIFE IS A HUGE LAB



EXPERIMENTAL EXAM



Professor N.Pashayeva, President of the 47th IChO and Academician V.V.Lunin



Valery Lunin, dean of the Chemistry Faculty of Lomonosov Moscow State University

In the course of the 47-year history of the IChO, this olympiad is being held namely here, in Baku Branch,

as its chemistry laboratories are mostly provided with up-to-date equipment. At this exam the young chemists will have extensive facilities to work with the vacuum in the experiments. The chemistry faculties of both Baku Branch and Moscow State University perform their work professionally and with responsibility. The participants of the Olympiad also have a good opportunity to learn about the history of Azerbaijan, its nature, customs and traditions. I am sure that this Olympiad will be the best chemistry Olympiad in its history.

PROGRAM FOR 24 JULY

FROM

TO

Breakfast at "The Crescent Beach Hotel"

8:00

9:00

Transfer to Azerbaijan Carpet Museum and Museum of Modern Art

10:00

10:30

Visit to Azerbaijan Carpet Museum and Museum of Modern Art

10:30

13:30

Transfer to "The Crescent Beach Hotel"

13:30

14:00

Lunch at "The Crescent Beach Hotel"

14:00

15:00

Free time

15:00

19:00

Dinner at "The Crescent Beach Hotel"

19:00

21:00



Weather for 24 July

23°C / 33°C

EXPERIMENTAL EXAM

Alexander Gladilin (co-chairman of the Science Committee of the 47th IChO)

The exam has done well. The students used their best endeavours to do the task. The experiment can end with the fulfilment of the task, the way of operating the equipment and the emergence of any problem. All this might appear at the working point of the test. The experienced teachers, specialists and members of the Science Committee successfully solved the problems.



Galina Rusakova (Science Committee Assistant)

The exam was difficult and the tasks were very time-consuming. Very few students coped with all three tasks. Most of them finished only two of them. The organic synthesis, when the participants obtained some substances took a lot of time. Some even asked if any additional time could be added. But it is not envisaged by the rules. However, some participants managed to fulfill all the tasks in the allotted time. I think they will get gold medals at the end.



Aysel Aslanly (Assistant)

The student behaved properly and were generally ready to tackle the problems. They carried out similar tasks in their own country, and everything was basically familiar, almost no question arose. Not everything worked for everyone, but this is natural, emotions were still. The participants have a good level while being pupils, because accomplishing three unfamiliar tasks within 5 hours is a good indicator. About 80% of participants coped with the tasks.



Boris Tarasevich (PhD in Chemistry)

The experimental exam included experienced staff of Moscow State University who have participated in similar competitions and know the technology of this process. I am participating in the Olympiad for the first time and was stunned with the huge volume of unseen work. We are here from July 3 and working for 10-12 hours or even longer. The work is very large. My work starts now on measuring the spectra of the substances which the participants obtained.

EXPERIMENTAL EXAM



Eleftheriou Giorgos (Cyprus)

The test was too long and difficult. I haven't had enough time to finish my test. I think my results will be OK, but I could do better. I should be quicker, do more things at the same time and be more careful about little mistakes.



Vidya Sagar Naidu Bure (India)

The exam was a bit difficult and a bit long. 30 minutes was not enough to finish the task. I am not totally satisfied with my result, but I think it was not bad. I think the next exam will also be difficult.



Dilgam Ahmadli (Azerbaijan)

The test is not so difficult, but there was little time. Moreover, there were a lot of accessories, but the table was small. It caused some difficulties. Generally the exam was normal. But I think that theoretical exam will be easier and I will be able to get a medal.

NOBEL BROTHERS IN AZERBAIJAN

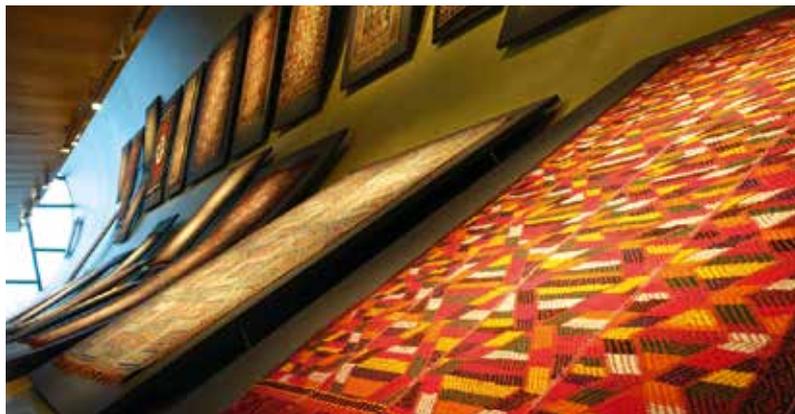
The Nobel family mostly associate with prestigious prize of Alfred Nobel - the greatest innovator and scientist. He was involved in the oil business as well. Nobel brothers Oil Company "Branobel" was founded in 1879 by three brothers: Ludvig, Robert and Alfred Nobel. At the beginning of the 20th century it was the second largest oil company in the world.

When the elder brother Robert came to Azerbaijan in 1873 he found oil in Baku. He consulted with Ludvig and bought a small refinery and first oil concession on the Absheron Peninsula in Balakhany. Balakhany oil fields were one of the first in the world while Baku was the "father" of industrial oil output in 1848.

Alfred Nobel was the third largest shareholder and financier of "Branobel". His socially oriented business model when up to 40% of profits of "Branobel" was given to charity, grants, scholarships, to housing programs, schools and hospitals for workers and their families.



AZERBAIJAN CARPET MUSEUM



Baku is full of museums, ranging from historical and ancient manuscripts to detailing the occupation and independence of the nation.

One of the most unique opportunities to understand the country's history and culture is to visit the Carpet Museum. Originally designed the museum displays over 10,000 items of ceramics, metal works of the 16th century, jewellery from the Bronze Age, carpets from the XVII-XX centuries and different regions of Azerbaijan, national garments and embroidery, and applied art works of modern age.

MUSEUM OF MODERN ART

The Museum is a must visit place for people interesting in avant-garde. About 1,000 masterpieces of Azerbaijani contemporary artists, painters and sculptors, from the second half of the 20th century up to now, are collected here.

The collection shows aspirations, strivings and freedom of human soul in the single organism of the museum. Moreover, the Museum of Modern Art gives the visitors a new vision of the contemporary art through numerous exhibitions around the year.



Even Proverbs Need Chemistry

Which chemical substance is present in each proverb.

1. Those who live in ... houses should not throw stones.
2. We never know the value of ... till the well is dry.
3. You cannot wash ... white.

Lab

At the end of the semester, a 10th-grade chemistry teacher asked her students what was the most important thing that they learned in lab. A student promptly raised his hand and said, "**Never lick the spoon.**"

LEARN THE AZERBAIJANI PHRASES

Bağışlayın	[bağış'layın]	— Sorry
Sən haradansan?	[sən'haradansan]	— Where are you from?
Mən İtalyadanam	[mæn i'talyadanam]	— I am from Italy

CATALYZER TEAM

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