

REPORT

of the Belarusian Physical Society on the activities performed for the World Year of Physics 2005 in Belarus

By the initiative of the Belarusian Physical Society in the frames of the World Year of Physics 2005, the first All-Belarusian Congress of Physicists has been organized. The National Academy of Sciences and the Ministry of Education of the Republic of Belarus, as well as the B.I. Stepanov Institute of Physics, the Belarusian State University, the Belarusian Physical Society, the Belarusian Fund of Basic Researches were among organizers of the Congress, which took place June 8 – 10 in Minsk. About 250 physicists –scientific workers from research institutes, university professors, school teachers, engineers, students and pupils took part in the Congress work. Also, representatives of the Ministry of Industry and of the Ministry of Health composed an active part of the Congress participants. All administrative regions of Belarus and its capital Minsk have been presented at the Congress. During the Congress, a series of excursions to laboratories of the Institute of Physics and of the Institute of Molecular and Atomic Physics have been organized for the participants, especially for teachers.

In the final declaration of the Congress, remarkable achievements in the last half-century development of Physics have been pointed out. Also, several factors actions) have been stressed, which are most important for further development of Physics and of its leading role in the country economy, among them:

- (i) to develop and to maintain
 - scientific schools,
 - technical basis of Physics education
- (ii) to create
 - poly-technical museums and specialized exhibitions,
 - high-level popular literature on Physics,
 - Physics dictionaries,
- (iii) to organize public lectures of the leading scientists, TV-castings on Physics and physicists for pupils.

The Congress has noted the need and importance of a thorough selection of the material at a preparation of manuals on Physics.

The Congress has ordered the BPS to edit the Congress Proceedings.

The Congress participants have decided to organize the next All-Belarusian Congress of Physicists in three years.

The Belarusian Physical Society has also organized a series of TV-casts devoted to the Year of Physics. Historical aspects and modern developments related to the Einstein seminal works have been presented during the TV presentations. There were five casts on Belarus TV company “Lad” (at “Golden section” program) in October–December of the year.

The Belarusian Physical Society took an active part in organizing an exhibition-presentation of scientific books devoted to the Year of Physics. The exhibition was held December 6 at the Central Scientific Library in Minsk. At the exhibition, books of the greatest world scientific publishers (such as Oxford University Press, Wiley, Elsevier, Springer etc.) were presented. Representatives of the publishers took part in the work of the exhibition, among them: Jacek Lewinson from Oxford University Press (UK), Radek Janousek from Elsevier (Netherlands), Marek Lewinson from Cambridge University Press, IOS Press B. V., World Scientific and Marcel Dekker, as well as V. G. Mirantsev, director general of the corporation “Mir-Dialog” (Moscow, Russia). Scientists of the National Academy of Sciences of Belarus and professors of universities of Minsk were invited to the exhibition, as well as representatives of the Embassies of the UK and of the Netherlands in Belarus. During the exhibition, the Belarusian

Physical Society has donated to the Central Scientific Library ten books devoted to the modern quantum optics.

During the World Year of Physics, annually following national competitions of young physicists were held in Belarus: The Olympiad, The Tournament and The Conference. These competitions are carried out on school, regional and national levels. According to results of the school and regional competitions, only the best scholars of 9-11 grades (30-40 in each grade) take part on the national level. 18 teams, each consisting of 5 young physicists, take part at the National Tournament of young physicists. 30-40 young physicists participate at the National Conference.

The boys and girls, who proposed to go to the Young Ambassadors Meeting from our part, present all kinds of our competitions. The girls, Abramava Alena and Mukhortava Anna, are the winners of the National Conference 2005. Two boys, Gilewsky Andrew and Polaz Andrei, are awarded by the medals (silver and bronze) of the International Physics Olympiad 2005 in Spain. And two more boys, Glebow Artiom and Sokolov Eugene, are the best representatives in the team that took the second place at the International Tournament of Young Physicists 2005 in Switzerland.

Generally, the World Year of Physics has remarkably influenced scientific and social life of the physical community in Belarus. More evidences of the WYP impact one can anticipate in the following years.

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