

Beautiful 110 years anniversary of the Journal „Cement”

“Cement” edited in Saint Petersburg from the year 1900 is a well-known in the world Russian scientific and technical Journal. Its position in the world technical literature is builded during long period, in which period the Journal published very important papers, written by eminent Russian scientists. Scientist which have well established world position and were known of their novel, of great importance scientific works. It is enough to say that among the numerous authors of the papers which appeared on the pages of this Journal were P. Budnikov, N. Toropov, Juralvov, Butt, Boikova, Timashov, Kusnietsova and Kind.

P. Budnikov was so called professor-institution and his scientific works embraced all fields of mineral binders chemistry and technology. His works, including numerous articles published in Journal “Cement”, reached about 1500 papers. These papers were several times quoted in the best world books on cement chemistry, among others of Hans Kühl and Frederick Lea.

A very similar story can be stated for N. Toropov, which published frequently his works in “Cement”, starting from 1939 [issue 7] till the middle of the fiftieth. Unfortunately he quickly died. It is enough to say that only in Hans Kühl book “Zementchemie” works of Toropov were quoted fourteen times.

The papers published in “Cement” by such eminent world known authors, which have published frequently their works in all well known Journals in the world, for example in German [Zement] and in USA [Journal of American Ceramic Society] were creating the position of the Russian Journal “Cement” among others world leading Journal.

In the long history of cement chemistry and technology development in Russia the Journal “Cement” had a very important

role. It provided the opinions and new hypothesis and results of scientific studies and technical papers, several times even controversial. It is that through this mechanism the so called “Russian school” of cement chemistry embraced also many young scientists, which had a very good source to study the chemistry of cement and concrete and simultaneously had a beautiful examples to follow.

The publishing field of Journal “cement” was not limited to these scientific problems only. It was always much wider field of others questions, embracing all machinery for clinker and cement production. This role of the Journal was equally important as its activity on the scientific field. The papers presenting the technological problems of cement production are also of great importance, particularly the quick development of kilns, which from 1500 tpd reached 10 000 tpd with calciners, as well as the grinding units which capacity have increased from 100 t/h to 250 t/h. The papers covering these subjects published in “Cement” was of very great value for the engineers working in cement plants in Russia, but also for the managers, which prepared the programs of cement industry development in Russia.

The automation has also completely governed the technological lines and the man from the kiln head has been shifted to the central control room and his safety glass became replaced by several – one can say by dozen and so, computers. However the technological problems remained and even became crucial for good production results. As examples the problems of alternative fuels dosing and combusting, heavy metals influence on clinkering and cement quality and many others, should be positively solved by industry peoples. These problems are the themes published in “Cement” to-day.

The fruitful activity of the Redaction Team of “Cement” in the past during long history of the Journal is the proof that also in the future the Journal will proceed the important and useful activity. Without doubt it will play the leading role in the solving of difficult problems arising in industry and in cement different applications and in the teaching and development of young people for this important industry as well as also for Universities in Russia.

I am persuaded that the last statements are the desires of all people working in this field in science, technology and production in Russia, which I connect with my best wishes.

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