

2. 2. Foundation and History of the Journal

The journal *Metalurgija* was founded in 1962. At that time changes were occurring in the field of metallurgy in general in the former state of Yugoslavia, and especially in the town of Sisak. First the Departments of Metallurgy and Oil were founded at the Technological College of the Zagreb University, and in October in 1960 the first generation of students enrolled in the Departments in Sisak and the regular teaching began.

At the beginning of 1961, on the other hand, the Research Department of the Željezara Sisak was subjected to the reorganization and the Institute of Metallurgy was founded by Željezara Sisak and by the Technological College of the Zagreb University. The Institute grew directly out of Željezara Sisak, on the site of which it has been located, and it has been organized in such a way to primarily direct its activities towards the promotion of the iron and steel works' operations, adjusting its tasks according to the affairs and prospective development of Željezara Sisak.

At that time the Institute was especially committed to the problems that were of interest for all iron and steel works and with its equipment and human resources it supplemented activities of other institutes and laboratories dealing with the development of ferrous metallurgy. There were many technical as well as scientific issues to be solved:

- investigating better equipment and metallurgical improvement of raw materials,
- investigating on intensification of technological iron and steel processes, rolling processes, steel and grey iron casting,
- study of hydrometallurgical processes for extraction of metals relevant to ferrous metallurgy,
- investigation with the purpose of introducing new quality standards,
- investigating in the field of powder metallurgy,
- investigating in the framework of examination of metals (mechanical, technological, defectoscopic, metallographic) etc.

In order to perform these tasks and in addition to our own original research work, we had to inform on the achievements in the world through the publications (books, periodicals). The results of our own research works have been presented in the form of elaboration, reports read on technical and scientific meetings in the country and abroad, as well as in adequate periodicals.

Already at that time it was clear that on the territory of the former state there were too few periodicals dealing with metallurgical issues. The journals published at that time dealt with a broader scope of activities and here are their original titles:

1. Tehnika: published by the Federation of Engineers and Technicians of Yugoslavia in Belgrade since 1946,
2. Rudarsko-metalurški zbornik (Compilation of works in the field of mining and metallurgy): published by VTOZD Montanistika, Faculty of Natural Sciences and Technology, University of Ljubljana, and Mining Institute in Ljubljana since 1954.

These periodicals were published outside of Republic of Croatia, and there were other journals dealing with narrower field of metallurgy:

1. Zavarivanje (Welding), published by the Croatian Welding Technique Society in Zagreb since 1958,
2. Ljevarstvo (Casting), published by the Croatian Foundrymen Association in Zagreb since 1954,
3. Zavarivač (Welder), published by the Yugoslav Welding Federation in Belgrade since 1956,
4. Varilna tehnika (Welding Technique), published by Slovenian Federation of Welding Technique Societies and Welding Institute in Ljubljana since 1952,
5. Livarski vesnik (Foundrymen Bulletin), Published by the Slovenian Foundrymen Association in Ljubljana since 1954.

Therefore, some steps were taken by the Engineers and Technicians Society of the Željezara Sisak to initiate the publishing of a periodical in the field of metallurgy in Sisak and Croatia.

In 1962, the year of foundation, only one issue was published, in which the Editorial Board gave a short review (quote): "Today, when the very first issue of the periodical for technical and social affairs of Željezara Sisak is coming out of the print, and when this issue presents contributions of experts from Željezara Sisak, so that in every issue there will be a number of articles varying by the way of treating a subject - we can claim to have a formed expert figure who in his endeavours is committed to the further successful operation of his company. The journal *Metalurgija* is published exactly with the purpose to develop and support the apprehending of certain issues on its pages.

Now that we are facing huge tasks of expanding our company and have managed as a whole to increase production rates, as well as are introducing new methods in all forms, the pages of *Metalurgija* shall be dealing with technical issues of iron and steel making, as well as with all other technical and economic sciences that this periodical shall discuss issued from the fields of metallurgy, mechanical engineering, electrical engineering, energy, chemistry, organization of work, economics, market analysis, activities of social and political bodies of Željezara Sisak, etc.

Employees of the Sisak iron and steel works may use the journal to present their experiences, their studies and solutions that may be useful for its development and contribute to the improvement and formation of the industrial character of the company members.

We believe that this journal will be accepted by all our members, and that their contributions will help the *Metalurgija* to build its specific character and thus become a technical journal worthy of its publishing.” (Unquote).

In the first Editorial Committee were: Branko Mirilović, Milan Juričić, Franjo Vanek and Emilijan Zeman. The Editor in chief was Branko Majerhold. Although none of them was a professional metallurgist, they wisely assessed the importance of metallurgy and also at this occasion we express to them a great gratitude for the foundation of the journal *Metalurgija*.

During the early years of publication, the character of *Metalurgija* reflected the situation in the development of the branch, as well as in the research and development activities in Željezara Sisak.

After three years of publication, in 1965, the Editorial Board decided to make *Metalurgija* a technical news bulletin of Technological Faculty in Zagreb, Departments in

Sisak, Institute for Metallurgy in Sisak and Željezara Sisak.

The notice of the Editorial Board was the following (quote): “*Metalurgija* shall expand its activities to scientific research and teaching, providing the opportunity for broader apprehension of technical progress and its theoretical treatment in the iron and steel works. In addition to original articles, the journal shall present reviews of relevant technological achievements in the country and abroad, providing thus sufficient quantities of useful material not only for engineers and technicians but for students as well” (unquote).

After separating from the Technological Faculty and organizing Metallurgical Faculty as a BOAL inside of WO INSTITUTE for Metallurgy Sisak, Metallurgical Faculty published the journal since 1979 to 1984. Since 1984 to 1991 the Publishing Council of the journal *Metalurgija* issued the journal. In 1992 Croatian Metallurgical Society was founded (before that time a society in association with mining, geological and metallurgical engineers of Croatia). Since 1992 to 1994 co-publishers of the journal were Croatian Metallurgical Society and Metallurgical Faculty.

Today, the publisher of the journal is the Croatian Metallurgical Society that originates in the real founder of the journal Engineers and Technicians Society of Željezara Sisak.