FORUM OF THE ALL-UNION SOCIALIST COMPETITION

SCIENTISTS IN COMPETITION

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To carry into effect the plans contemplated by the 24th CPSU Congress for early fulfillment of the tasks corresponding to the third, decisive year of the five-year plan, the collective of the Scientific-Research Institute for Foundations and Underground Structures of the Government Committee for Construction of the USSR recently entered the All-Union Socialist Competition.

The adopted Socialist commitments are directed toward the creation and quick introduction of effective scientific developments, the reduction of the quantities of materials in the foundations of buildings and structures, and the development of progressive solutions involving new types of structures, equipment, and construction methods for soils, foundations, and underground structures.

The following points can be mentioned:

Early completion of the plans for scientific-research work and for introduction, into the industry, of techniques developed by the Institute, for the budgetary themes by December 25, 1973, and for the themes under economic agreements by December 10;

Rendering of scientific-technical assistance for design and construction of buildings and structures for the most important projects of the Ninth Five-Year Plan: the Kama Automobile Factory (KAMAZ) and the new city of Naberezhnye Chelny; the oil-gas regions in the Tyumen Region; the Zaporozhsk, Kostromsk, and Krivorozhsk State Regional Electric Plants, the thermal-electric plants Nos. 23 and 25 in Moscow; the Nurek, Toktogul'sk, Chimguransk, and other hydroelectric plants; the ferrous and nonferrous metallurgical enterprises in Zheleznogorsk, Krivoi Rog, Lipetsk, Cherepovets, etc.

A special place in the Socialist commitments is occupied by the assistance for construction of agricultural and hydroreclamation projects and of factories for production of mineral fertilizers: grain elevators in Siberia; cattle-raising enterprises in Central Asia, Transcaucasia, the Moscow region, and the Moldavian SSR; the Verkhnekamsk factory of potash fertilizers; etc.

The commitments contemplate further participation of the collective in the drive for converting Moscow into a model Communist city, by rendering assistance for design and construction of bases and foundations for high buildings, the "Sickle and Hammer" factory, the Moscow subway, and different types of sewerage tunnels, as well as the personal participation of each worker of the Institute in the improvement of the Volgograd District of the capital.

In the present stage of the development of Socialist competition, a very important factor is the strengthening of the relations between the scientific organizations and the industry, by concluding agreements for speeding up the scientific-technical progress and for developing effective techniques and technologies as soon as possible. For this reason, the Scientific-Research Institute for Foundations has established strong creative relations and has concluded agreements for Socialist competition with the Gidrospetsproekt design-reconnaissance and experimental-construction institute and with the Gidrospetsstroi Trust of the Ministry of Power and Electrification of the USSR.

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This tripartite agreement includes specific Socialist commitments of the collectives of the Scientific-Research Institute for Foundations, the Gidrospetsproekt, and the Gidrospetsstroi. The investigations conducted by the Scientific-Research Institute are used by the design organization — the Gidrospetsproekt — in the planning and design of structures which are then built by the construction organization — the Gidrospetsstroi. Thus, it has been possible to introduce new methods for design and construction of bored piles at the KamAZ, construction specifications for foundations made from stabilized soils and for impervious curtains, techniques for compacting collapsible soils, water-lowering methods and equipment, complex devices for determining the elastic reaction of rocks at the Nurek, Toktogul’sk, and other hydroelectric plants, specifications for waterproofing concrete in dams, docks, etc.

The Socialist commitments include assistance programs for agricultural and reclamation construction projects: a greenhouse in the Moldavian SSR; a poultry section at the Gorodskoi State farm in the Ryazan Region; the Gallya-Kuduk cattle-raising complex in Uzbekistan; the Andizhansk, Akhangaransk, and Chim-Kurgansk reservoirs; etc.

The Scientific-Research Institute for Foundations adopted the Socialist commitment to prepare, through its special graduate programs, three Candidates of Sciences selected among the workers of the Gidrospetsproekt Institute.

The agreements for Socialist competition include commitments for improvement of the polytechnic and economic education of the workers and for further development of the movements in favor of Communist labor.

The fulfillment of the mutual commitments of the scientific workers, designers, and constructors, for the specific construction projects, is permanently controlled by the Party and trade-union organizations which have concluded the corresponding agreements.

After entering into the All-Union Socialist competition, the collective of the Scientific-Research Institute for Foundations has directed all its efforts toward the early fulfillment of the plans for the third, decisive year of the five-year plan.

The Institute also renders permanent assistance to the designers and constructors of the KamAZ. In this connection, the Institute communicated its commitments for this project to the KamGÉSenergostroi, so that they would be included among the general commitments of the collective of constructors of the automobile factory.

To participate directly in the development of methods for design and construction in the regions of West Siberia, the Institute communicated its specific commitments also to the Glavtyumenneftegaz.

The augmentation of the number of scientific workers is extremely important in connection with the further upgrading of the scientific-technical level of all social production. Socialist emulation is an effective means for developing the initiative of the workers and for achieving promptly the objectives sought by each scientific-technical subdivision.

Consequently, the Party and trade-union organizations of the Institute support, with all the means at their disposal, the initiative of the different laboratories in the work they are carrying out in order to implement the resolutions of the December (1972) Plenum of the Central Committee of the USSR.

All the scientific subdivisions of the Institute have concluded agreements for Socialist emulation. In addition, the individual Socialist commitments of the workers have been widely publicized.

A very important factor in the evaluation of the activities of the scientific-research organization, on the whole, and of each of its scientific subdivisions in particular, is the correct selection of the evaluation criteria. The local committee of the Institute prepared a report entitled "Appraisal of the conditions for Socialist emulation among the subdivisions of the Scientific-Research Institute for Foundations." The most important indices for the selection of the winners in the Socialist competitions, on the basis of the final results are:

early, high-quality, and steady fulfillment of the thematic plans;
carrying out of work over and above the plans contemplated under the economic agreements;
introduction of the results of investigations into the industrial fields, and the technical-economic effectiveness of these results;