

mittee, a permanent staff carries out the program of action as defined by the bureau. This staff is situated at the headquarters of the union, and is the pivot of all the organizations connected therewith. The council can also establish permanent committees as they may seem necessary.

An advisory committee, divided into sections corresponding to the different scientific and industrial branches, considers in detail the questions figuring in the program of action. The associated nations are represented in each section by delegates, elected for three years. The delegates of each nation constitute a national committee, whose duties include the study of questions interesting to chemistry from scientific, industrial, and economic points of view.

A meeting of the council, of the permanent committees, of the advisory committee, and of the General Assembly is held each year, under the title of the "International Chemical Conference."

The report presented by Professor Lindet, for the *Fédération Nationale des Associations de Chimie de France*, asking that the International Congress be joined to the union, provides that the International Conference shall every four years be converted into an International Congress of Pure and Applied Chemistry. Elections to the council, to permanent committees, and to the advisory committee shall take place at this time.

The languages for the congress are English, French and Italian. Communications may be made in another language, provided authors give a translation or an abstract in the official languages. To avoid errors in interpretation, communications, votes, resolutions, and official acts, if not originally offered in French, must be translated into that tongue.

To encourage research, the council may, within the limit of funds granted each year by the assembly, award prizes and medals to the authors of work considered worthy of such distinction.

MISSOURI EXPERIMENT STATION OF THE BUREAU OF MINES

SECRETARY OF THE INTERIOR PAYNE, acting on the recommendations of Dr. F. G. Cottrell, director of the Bureau of Mines, has selected Rolla, Mo., as the place for the latest mining experiment station of the bureau. This station will look after the mining interests of the Mississippi Valley and will give consideration to the various problems which are met with in the production of lead and zinc.

After a careful investigation, The Missouri School of Mines and Metallurgy at Rolla, Mo., was selected as an ideal place to carry on much of the actual laboratory and investigative work of the new station. However, it was also decided that the central offices of the station should be at or near St. Louis, Missouri. Consequently, the plan is that the actual laboratory and investigative work shall be done in cooperation with the Missouri School of Mines and Metallurgy at Rolla, but that headquarters of the station should be in St. Louis.

For a long time the Bureau of Mines has desired to take up, in cooperation with the mining and metallurgical industry, those problems met with in the Mississippi Valley where lead and zinc deposits occur. As is well known, the ores of this district are for the most part sulphide ores and are ordinarily not difficult to treat. However, there are also large deposits of oxidized lead ores in certain districts of Missouri, and their mining and metallurgical treatment presents a serious problem. Concentration by gravity methods had been tried for years on these ores, and there are many thousands of tons of high grade tailings, as well as crude ore, awaiting proper methods of recovering metallic values. Such being the case, the bureau will carry on such research and investigational work in connection with the treatment of these ores as will assist in the development of processes which will prevent their being wasted, due to the lack of a metallurgical process which it may be commercially feasible to apply to them.

SCIENTIFIC NOTES AND NEWS

PROFESSOR R. ROUX, director of the Pasteur Institute at Paris, has been awarded by the United States government the Distinguished Service Medal for especially meritorious and distinguished service which was of great consequence to the American Expeditionary Forces.

A PRESENTATION from more than two hundred subscribers has been made to Dr. W. L. H. Duckworth, fellow of Jesus College and senior demonstrator in anatomy, in the Uni-