

and electro-chemistry to metallurgical processes. Mr. Roast is in metallurgical practice in the City and gives a part of his time to instruction in metallography and metallurgical analysis.

In addition to the present personnel it is desirable to have on the staff an instructor with a good chemical training and some experience in a smelter who would be able to give instruction in hydro-metallurgy and metallurgical analysis, would have charge of these laboratories and would be able to make the chemical analyses that are continually needed in metallurgical research.

It is also desirable to have on the staff a professor who has had a considerable experience in smelter practice and would be familiar with works management and the mechanical, human and financial aspects of metallurgical practice.

In this connection it must be remembered that the students have already more work than is desirable in their third and fourth years and it is not possible to add any more courses of study. When visiting English universities a few years ago I was impressed by the large amount of time that was available for metallurgical studies, and it seems reasonable to suppose that the introduction of the year in Arts before the first year in Engineering should make it possible for Metallurgical and Mining students to have more time for the professional studies in their third and