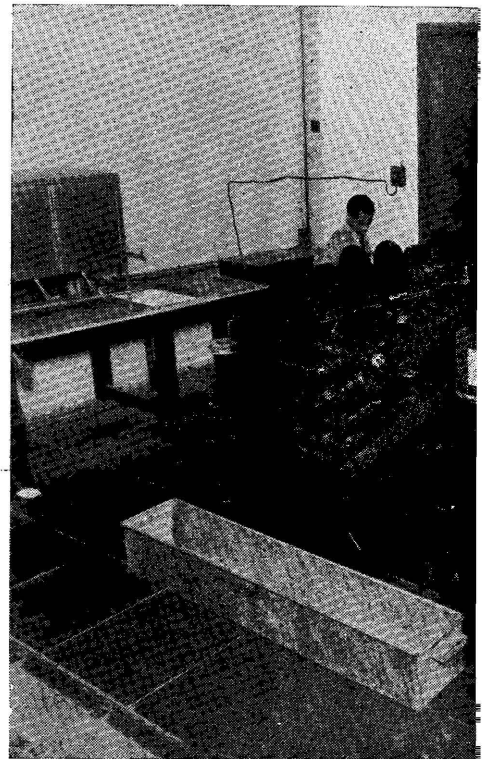


*Professor V. V. Clark, head of the mining department of the University of the Philippines, explains the flotation cells to two of his students.*

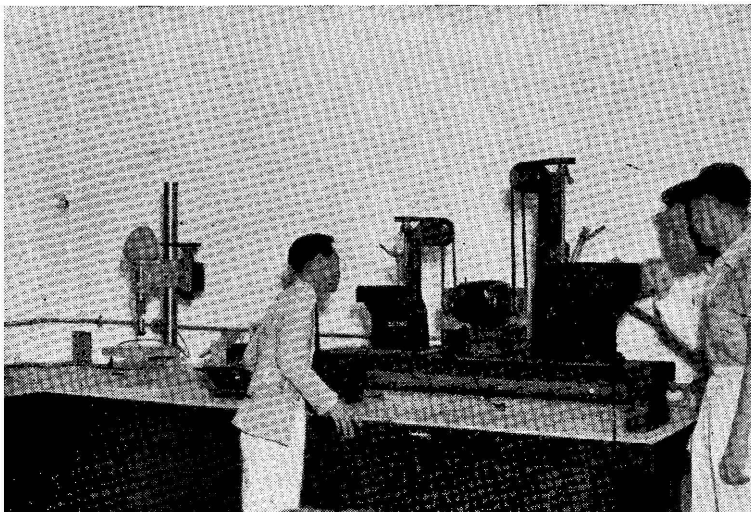
## NEW UNIVERSI

Students of mining engineering at the University of the Philippines now have access to the most modern milling machinery and equipment, with the completion a short time ago of the installation of the new metallurgical laboratory by Marsman Trading Corporation.

A flotation plant continuous laboratory (top) is the chief piece of equipment with which the U.P. students will pursue their studies. This plant has a capacity of 50 to 200 pounds of ore per hour. It can be used for research in ore dressing, particularly flotation, and as a miniature mill for experimental work where different combinations of reagents, rates of grinding, and changes in flowsheet can be studied accurately.

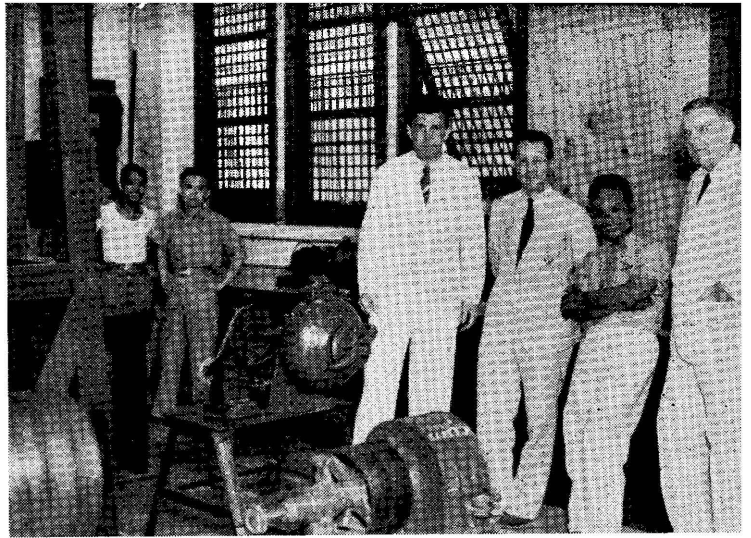


*Front view of the new installation, fier, and motors.*

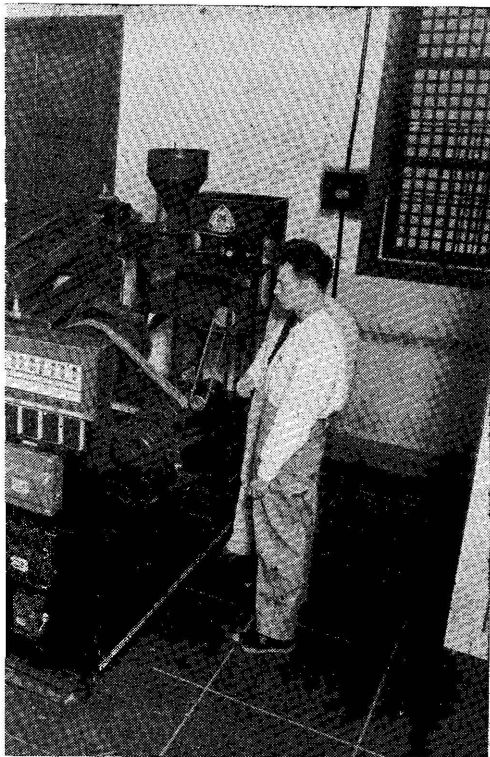


*Laboratory flotation cells, Sub-A Fahrenwald type. These will be used to supplement the work of the main unit.*

*Left to right, Seton Foley, sales engineer for Marsman Trading Corporation; David Minton, instructor in metallurgy at the University; Professor Angeles, head of the mechanical engineering department of the U. P.; and Professor V. V. Clark.*



## Y LABORATORY



*on, showing the switch board, classi-*

*Laboratory ball mill and DFC pulverizer, to be used by the U.P. students in their metallurgical studies.*

This unit, supplied by the Denver Fire Clay Company of Denver, Colorado, through Marsman Trading Corporation, consists of a steel ore bin, adjustable gate; belt ore feeder, reducer drive; 12-inch by 12-inch ball mill; 6-inch classifier, rotary type; vertical centrifugal pump; conditioner (agitator); 6-cell Sub-A Fahrenwald flotation machine; wet reagent feeder; 6-inch dry reagent feeder. The framework is of steel, bolted construction, and with wood flooring. The machines are of all-metal design with individual motor v-rope drives.

The University of the Philippines now has the best-equipped ore dressing laboratory in the Philippines. The mining students do their assaying in the Marsman Laboratory, presented to the University in 1936 by Mr. Marsman.

