

REPORT OF THE SCHOOL OF MINES.

I submit the following report on the work of the School of Mines during the session of 1900.

Attendance.—The total number of students in attendance was fifty-nine, made up as follows: Forty-six were regular students taking full session's work; the other thirteen were only taking special classes, and of these latter seven were attending an evening class in assaying. Out of the forty-six students in full attendance ten entered the school for the first time, the remainder being students of one, two, or three years' standing.

The following table will show the attendance at the various classes, and also the results of the annual examinations:—

Subjects.	Attendance.	Results of Examinations.			
		1st Class.	2nd Class.	3rd Class.	Failures.
University Classes—					
Mathematics	9	1	3	5	...
Theoretical mechanics	8	...	1	7	...
Theoretical physics	7	...	2	5	...
Practical physics	9	1	5	3	...
Theoretical chemistry	14	4	4	6	...
Practical chemistry	10	5	3	2	...
School of Mines Classes—					
Mining, first course	13	9	3	1	...
Mining geology	12	3	6	3	...
General geology	13	7	3	3	...
Mineralogy	8	2	2	5	1
Petrography	11	...	6	5	...
Chemical analysis	18	7	8	3	...
Metallurgy, first course	13	4	4	5	...
Metallurgy, second course... ..	13	2	3	3	5
Assaying, first course	9	5	1	3	...
Assaying, second course	15	4	4	7	...
Blowpipe analysis	7	3	1	2	1
Surveying, first course	7	2	...	5	...
Surveying, second course	11	11	...	...	...
Applied mechanics	14	3	6	5	...
Palæontology	2	2	...	...	...
Model-drawing	11	3	6	2	...
Plane geometry	12	5	2	5	...
Solid geometry	9	3	4	2	...
Machine-drawing	5	2	1	2	...

The attendance at all the classes in the School of Mines building was very satisfactory.

New Associates, &c.—With the close of this session a large number of students have completed the full course, seventeen students having passed all the examinations entitling them to receive one or more of the diplomas or final certificates granted by the University. All the conditions having been fulfilled, diplomas or final certificates have been granted as follows:—Associateship in mining, 13; associateship in metallurgy, 1; certificate of metallurgical chemist and assayer, 17; certificate of land and mine surveyor, 1.

Work of the School.—Owing to the death of the late Director of the school, Professor G. H. F. Ulrich, the end of the present session will mark a distinctive point in the history of the School of Mines. It might be as well therefore to place on record a very brief outline of the work and results attained since the inception of the school, when Professor Ulrich was appointed in 1877. Though Professor Ulrich was appointed in 1877, and a curriculum of work drawn up, it was not carried out in its entirety for some years. The more important subjects were carried on by Professors Ulrich and Black, and in 1887 the full course was provided for, by the appointments of Messrs. L. O. Beal, W. Cutten, and G. J. Binns, as lecturers on surveying, applied mechanics, and general geology respectively. In 1891 the staff of the school was again enlarged by the appointment of a permanent lecturer on assaying and metallurgy—Mr. D. Wilkinson, A.R.S.M., taking over these subjects from Professor Black, a new building having in the meantime been erected for the increased requirements of the school. The attendance at the Mining School was small for some years, and up to 1889 only five students had gone through a full course, entitling them to a diploma or a final certificate. In that year, however, the number of students increased considerably, the total number in regular attendance being twelve. Since then the numbers have gone on increasing, and for the last two years the number of regular students has been forty-three and forty-six respectively. In regard to results, the number of diplomas and final certificates granted to date is as follows: Associateship—Mining division, 45; metallurgical division, 14; geology division, 10. Certificate—Chemist and assayer, 50; land and mine surveyor, 14. The actual number of individual students who have passed through the school, and obtained either a diploma or a final certificate, is sixty-