

The School of Mines, Ballarat.

Ordinary Meeting of Administrative Council } Monday 4.30 P.M.
September 10th 1888.

Present - The Vice-President in the Chair, Councillors the Ven. Archdeacon Julius, R. S. Vale, Mr. L. B., J. J. Jones, J. P. J. Louie, and F. J. Martell. - Apologies from the Bishop & Mr. Beckwith.
Minutes of previous meeting held 5th August ultimo were read and confirmed.

Accounts paid since previous meeting £297.9.8 and accounts presented for payments £212.10.2 examined and certified by Finance Committee were confirmed and passed for payment.

Progress Reports for the month of August were submitted by the Professors and Lecturers Messrs Dawbarn Walker and Campbell.

The Vice-President submitted the following Report:-

The machinery laid by since it was received at the school has been sold and will be paid for in due course. The thanks of the council are specially due to Mr Vale for his attention to this matter. The only machinery now not in daily use is the dynamo, which might be utilised for experimental purposes at a small expense by connecting wires and lamps. The mining machinery is working well. Between 30 and 40 tons of quartz comprising 18 separate samples, including parcels from all the Australian colonies and different districts of New Zealand, have been practically treated, and in every case with satisfactory results. Two thousand circulars, directing attention to the facilities provided by the mining laboratory for testing samples up to 10 tons, have been printed and copies have been forwarded to all the known mining companies in Australia. When it becomes more generally known that the school is prepared to test by practical treatment sample parcels of metalliferous ores, and advise on the most appropriate methods of treatment in special cases, no doubt the works will be kept fully employed. On a recent visit to Sydney I spent some time at the Technical College, which is supported by the Government at an annual cost of £17,000. I beg you would pass a special vote of thanks to the president (Mr Norman Selfe), the secretary (Mr E. Dowling), and the teachers, for their great kindness and attention. The president devoted the whole of one evening to showing and explaining everything of importance to me. The college has a splendid physical laboratory and an excellent assortment of mechanical models, which

must have cost a very large sum. One machine, the like of which should be obtained for this school, tests with ease up to 50,000 pounds, pressure or strain, building material of all kinds, including iron, ropes for mines, &c. In a detailed estimate of proposed appliances for this institution, submitted to the Minister of Public Instruction in March, 1886, I find that the sum of £200 was set down for a machine of this description. An item of £257 appears in the same schedule as to the estimate cost of sinking a shaft, constructing chamber and drives, winze, poppet-heads, windlass, and safety cage. If this work were carried out now the steam engine presented by Mr Morcy can be utilised in giving practical instruction in winding, as well as driving, to the engine drivers' class, which already numbers 29 students - the shaft, drives, and winze would afford the means for useful practice in mine surveying and levelling. Apparatus for the treatment of gold ores by the Newbery-Vautin chlorination process, and a water jacket furnace for smelting copper, silver, and lead ores are needed for the mining laboratory. Now that we have sold the machinery, and will have funds for executing further improvements, I beg to recommend that the mining and machinery committee be requested to report on the questions submitted for consideration. I note with pleasure the continuous increase in the number of students, the attendances and fees for the current term exceed those of any previous similar period. I also recommend purchase of a boiler recommended by Mr Matthews as suitable for our requirements.
- ANDREW ANDERSON, Vice-president.

The Report was adopted on the motion of the Ven. Archdeacon seconded by Mr Louie.

Mr Martell drew attention to the large number of Students in the Mining Classes and moved that Professor Krause be requested to give instruction in mineralogy.

and geology as applied to mining, to the Mining Managers Class, for which no extra Fee should be charged. This was seconded by the Ven. Archdeacon and Carried.

Mr Martell suggested that the Drawing Classes might be increased and their usefulness extended. At the request of the Council he consented to bring up a Report on the subject.

The Vice-President stated that Mr Dawbarn had inspected the steam engine presented by Mr Morcy and reported that it was suitable for the requirements of The School. - It was resolved that the engine be accepted with thanks.

8 Oct. 1888

Confirmed
Julius Archdeacon