Text-books: Eissler's "Metallurgy of Gold and Silver"; Gordon's "Mining and Engineering."

Physics.—(Lecturer, the Director.)

Fundamental ideas of matter and energy; conditions of matter; gravitation; mechanical powers; sound; light; heat; magnetism; electricity; chemistry; physiology and health.

Practical Astronomy.—(Lecturer and Instructor, the Director.)

The ecliptic; equinoxes; meridians; longitude; latitude; altitude; declination; right ascension; azimuth; use of Nautical Almanac; polar distance; zenith distance; hour-angle; sidereal time; mean time; solar time; parallax; refraction; retardation; acceleration; convergency of meridian; determination of meridian by star and sun observations, by single altitudes and greatest elongation of circumpolar stars; use of star-charts; calculation of hour-angle, azimuth, and altitude of celestial bodies for any time and place; determination of latitude by meridian altitudes; determination of time by star transits and sun observations.

Mechanical Drawing.—(Instructor, Mr. F. B. Allen, M.A., B.Sc.)

Use of scales; printing and lettering; outline drawing; shading; colouring; drawing to scale from copies and objects, portions of machinery and woodwork, showing plans, elevation, and sections.

Special classes are held for the instruction of candidates for the Government mine-managers', battery-superintendents', and engine-drivers' certificates. First term: First Monday in February to 30th April; second term: 9th May to 20th August; third term: 9th September to 20th December. Registration of membership: 10s. per annum; class fees: 5s. per term for each subject

Scale of Charges for Public Assays and Analyses.

	, , , , , , , , , , , , , , , , , , ,	,			J		£	s.	d.
Bullion	assays						Õ	5	0
Assays of quartz, tailings, or concentrates							0	5	0
Examination and determination of rocks and minerals							0	5	0
Assay of lead- and tin-ores, each							0	5	0
,,	iron- and manganese-o	res					0	10	0
,,	copper- and antimony-			•••	• • •		0	10	0
,,	zinc-, mercury-, and bismuth-ores						0	10	0
"	gold and silver-ores, with parting assay						0	5	0
Analysis of limestone and calcareous freestone complete							1	0	0
Hitary			COLOTIC	{partial		• • •	0	10	0
"	coals and fuels, each			• • •			0	10	0
	rocks and soils com	plete		•••			2	0	0
"				•••		• • •	1	0	0
#	fireclays and slags	• • •		• • •		• • •	1	0	0
"	manures				•••	• • •	2	0	0
	$\mathbf{waters} \begin{cases} \mathbf{complete} \\ \mathbf{partial} \end{cases}$		• • •			•••	3	0	0
"			• • •	• • •	•••	• • •	2	0	0
n'	nickel-, cobalt-, and	chrome-	ores			• • • •	0	10	0
" .	concentrates			• • •		• • •	1	10	0
"	complex-sulphide or	es, &c.	• • •	***	•••	• • •	1	10	0

Experimental Plant.

Reports of working-tests of parcels of gold- and silver-ores, concentrates, and tailings, from one to three tons:

(1.) By Cassel cyanide process: Wet- or dry-crushing—a, by percolation; b, by agitation.
(2.) By amalgamated copper-plates. (3.) By amalgamation in pans: Wet- or dry-crushing—a, by raw amalgamation in charges; b, by Washoe process with chemicals. (Hot pan-amalgamation, after chloridizing roasting.)
(4.) Chlorination: Small barrel tests.
Cost of treatment: £5 per ton of ore; £3 per ton of tailings.

The registered senior students of the school are permitted to work in the experimental plant

on the recommendation of the Director.

All the experimental plant appliances are in good working-order. It was found that one leaching-vat was insufficient to cope with the quantity of ore to be treated by the cyanide process, and recently the Council ordered a new vat, which will be 7ft. in diameter and 3ft. 6in. deep. A second extractor will also be erected in connection with the new vat.

DISTRIBUTION OF PRIZES AND CERTIFICATES.

The annual distribution of prizes and certificates took place on the 4th February of this year. There was a large attendance of the public and of students. Among those present were Mr. J. McGowan, M.H.R., President of the School, Mr. H. A. Gordon, F.G.S., and Professor Black, who distributed the certificates. At the conclusion of the ceremony, Professor Black, Mr. Gordon, and the Director addressed the meeting.

GOVERNING BODY.

At the annual meeting the following officers and Council were elected for the current year: President, Mr. J. McGowan, M.H.R.; Vice-President, Mr. J. A. Dunlop; members of Council, Messrs. G. S. Clark, J. H. Smith, W. Baker, P. C. Hansen, J. Coutts, E. F. Adams, and L. Melhose; Treasurer, Mr. J. H. Smith; Secretary, Mr. A. Bruce.