

10.

The following letter from a candidate who failed at the Second Mining Examination (New Regulations) was submitted:

Application for partial Certificate in respect of the Second Mining Exam. (New Regulations).

Sirs,  
I have entered for the Second Mining Examination, New Regulations, but have failed to pass it. Feeling sure that I had passed in all subjects except Pure Mathematics I should like to know whether the regulation referring to the First Mining Examination (Old Regulations), which is now replaced by the Second Mining Examination (New Regulations) that "Candidates that pass in the aggregate and in five of the six separate subjects, will receive a certificate in respect of the subjects in which they pass, and will be exempted from re-examination in those subjects" could not be applied to this new examination in my case. This would enable me to proceed to Johannesburg without losing a whole year.  
As the Pure Mathematics course is not continued in the third and final years, my failure in this subject will not retard my future studies and, I hope, will not prove a stumbling block in my case.

I am, etc.  
(Sgd.) David Behrman.

It was resolved that the application be acceded to.

11.

Case of candidate who has passed 1st & 2nd Mining Examination with the exception of Dynamics of Mining Exam.

The following report with reference to the case of a candidate at the Second Mining Examination (Old Regulations), for which no provision has been made in the Regulations, was submitted by the Registrar:

A candidate who passed in 1906 in all the subjects of the First Mining Examination except Dynamics, took his Second Mining Examination in 1907 and obtained the number of marks required for a pass. He failed, however, again in the Dynamics of the First Mining Examination, being 10 marks short, and as no provision has been made for such a contingency his case is submitted to the Council.  
Two courses seem to be open, namely:- either to condone the failure in Dynamics or to allow the candidate to proceed to his First Mining Examination on the understanding that he must pass in the Dynamics of the First Mining Examination before the Diploma can be granted.

It was resolved that the second of the two suggestions of the Registrar be adopted.

12.

Report of Examiners for Cornwall and York Prize.

The following report of the Examiners for the Cornwall and York Prize was submitted:

"Of the two theses submitted for examination that bearing the motto "Ex Africa semper aliquid novi" and entitled "Preliminary notes on the development and morphology of the embryo-sac in certain Penaeaceae" is considerably in advance of the other both as regards the importance of the results and the manner in which they are presented. We have no hesitation in expressing the opinion that the Notes on the Penaeaceae entitle the writer the Cornwall and York prize. The results, which are given with clearness and conciseness, are of exceptional interest and importance. We look forward with confidence to the completion of a piece of original research in the near future which will occupy a prominent place among botanical contributions in the first rank."  
(Sgd.) A.C. Seward, M.A., F.R.S.,  
R.S. Gregory, M.A.

It was resolved that the report be adopted and that the prize be awarded to Miss Edith L. Stephens, B.A.



the author of the thesis referred to by the Examiners.

The following report of the Examiners for the Doctorate of Science was submitted:

13  
Report of Examiners of thesis for degree of D.Sc.

Cape Town,  
20th February, 1908.

The candidate has submitted a work which is, as regards South Africa, the first of its kind.

This production marks a notable advance - the first step - towards a systematic study of the nature and composition of the soils of the Cape Colony, on strict scientific lines. The essay lays down sound principles derived from the recognised authorities of other countries and applies these to the conditions found here. It crystallises our knowledge to date and brings it within the reach of all; whereas till now it was not available.

On this, as a basis, it only remains to superimpose sufficient further analyses to construct a detailed agronomic survey comparable to our topographical and geological maps.

As a plea for extended research, as a model of the lines on which this should be carried out, as a record of pioneer investigation and faithful research under trying circumstances, and as a clear and lucid discussion of a problem full of difficulties the work stands out as one well worthy of recognition by the University and we unhesitatingly recommend the author for the degree of Doctor of Science.

(Sgd.) P.D.Hahn,  
E.A.Nobbs.

It was resolved that the Report be adopted and that a honorarium of £10 be granted to each of the Examiners.

The following recommendations of the Examiners at the M.A. Examinations were submitted for the consideration of the Council:

14.  
Recommendations of M.A. Examiners

(a) Mental and Moral Science.

That the prescription (e), p. 177 Calendar, "The Philosophy of Descartes, Malebranche and Goulinex" should be increased by the addition of "Spinoza" (at present prescription (f), as the present prescription (e) is found to be slight, in comparison, say, with (a) or (b) or (i).

(b) Chemistry.

With regard to the subject of Physical Chemistry the examiners are of opinion that it is advisable to indicate to a certain extent the range of the examination according as Physical Chemistry is taken as a Primary or Secondary subject.

(c) Physics.

That the following note be added to the syllabus on page 179:

Sections 6, 7 and 8 of the B.A. Honours Syllabus in Pure Mathematics and Section 2 of the B.A. Honours Syllabus in Applied Mathematics (with the Elements of Vector Analysis) may be taken as indicating the range of the examination under (a); and sections 4, 5 and 6 of the B.A. Honours Syllabus in Applied Mathematics as indicating the range of the Mathematics required in (b) and (c).

It was resolved that (a) be referred to the Literature Committee and (b) and (c) to the Science Committee.

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15.

The following Report of the Scholarships Committee was submitted:

Report of  
Scholarships  
Committee.

## A.

The Committee recommends that Scholarships be awarded to the four qualified candidates as under:

- (1) Porter Scholarship.  
To No. 1 in Physics.
- (2) and (3) Queen Victoria Scholarships  
To No. 1 in Botany  
To No. 2 in Physics.
- (4) Jamison (Additional) Scholarship  
To No. 3 in Botany.

## B.

The Committee desires to add that in its opinion the results of the working of the new Regulations for the award of Scholarships have not been entirely satisfactory.

In preparing this recommendation the following Table of marks was before the Committee:

	Candidates' Exem. Nos.	Pass Examination.			Honours Examination			Total
		A.	B.	C.	A.	B.	C.	
Modern Languages	1783 1777 820 1768 1763	820 820 820 820 820	492 492 492 492 492	658 646 639 543 543	1100 1100 1100 1100 1100	800 800 800 800 800	770 756 640 689 689	1428 1392 1169 1169 1169
Mental & Moral Science	1804	430	858	215	1200	800	640	865
History	1803	410	246	263	1200	800	690	963
Physics	1836 1818	750 750	450 450	561 495	1350 1350	800 800	871 878	1432 1273
Chemistry	1823	750	450	408	1100	800	704	1110
Botany	1833 1830 1832 1811	750 750 750 750	450 450 450 450	569 517 471 461	1200 1200 1200 1200	800 800 800 800	997 788 806 611	1666 1285 1277 1078
Mathematics	1815	675	585	438	1350	800	672	1110
Zoology	1822	750	450	516	1200	800	797	1513

A - Examinations obtainable in Pass Examination.  
B - Examinations to qualify for a Scholarship.  
C - Marks obtained by candidates.

MARKS OF CANDIDATES WHO OBTAINED HONOURS AT THE B.A. EXAMINATION.



It was resolved that the report be referred back to the Committee and that the Registrar be instructed to obtain from the Examiners further information for the use of the Committee with reference to the candidates standing highest in Zoology and in Modern Languages respectively.

The following supplementary report was accordingly subsequently submitted by the Committee:

Supplementary Report & Scholarships Committee

The Committee recommends that, in view of the reports of the Examiners in Zoology on the work of Candidate 1822, his brilliant academic career, and of the fact that he has obtained 797 marks in his Honours Examination, he be considered as having reached the standard for Scholarships.

The Committee therefore, while confirming its previous recommendations, further recommends that the third Victoria Scholarship be awarded

To No. 1 in Zoology.

After discussion of the two reports it was decided that the Scholarships be awarded as follows:

- Porter Scholarship ..... No. 1 in Botany
- Queen Victoria Scholarship ..... No. 1 in Physics
- Queen Victoria Scholarship ..... No. 1 in Zoology
- Queen Victoria Scholarship ..... No. 2 in Physics
- Jamison (Additional) Scholarship. No. 3 in Botany.

16.

The following lists of Exhibitions, Bursaries and Prizes awarded in connection with the Examinations of 1907 were reported by the Registrar:

List of Exhibitions, Bursaries and Prizes

I. B.A. EXAMINATION.

- (a) Porter Scholarship: £150 per annum, tenable for three years: Ballantine, Arthur James, South African College, Cape Town.
- (b) Queen Victoria Scholarships: £150 per annum, tenable for three years: Irving, Aubrey Gordon, South African College, Cape Town. Du Toit, Petrus Johann, Victoria College, Stellenbosch. Bullock, John Burnard, Diocesan College, Rondebosch, and South African College, Cape Town.
- (c) Jamison (Additional) Scholarship: £60 per annum, tenable for three years. Doilge, Ethel Mary, Huguenot College, Wellington.
- (d) Chancellor's Medal: Taerrien, Mattheus Francois, Victoria College, Stellenbosch.

II. INTERMEDIATE EXAMINATION IN ARTS.

- (a) Major Exhibitions of £40, tenable for two years: Sutherland, George Arthur, Rhodes Univ. Coll., Grahamstown. Hofmeyr, Jan Hendrik, South African College, Cape Town. Louw, George, Aling, South African College, Cape Town. Stein, Philip, South African College, Cape Town.
- (b) Minor Exhibitions of £30, tenable for two years: Cohen, David, South African College, Cape Town. De Vos, Gideon Jacobus, Victoria College, Stellenbosch. Jackson, Frederick Stanbridge, Diocesan College, Rondebosch. Munscheid, Gertrude Anna Augusta, Rhodes Univ. College, Grahamstown.
- (c) Queen Victoria Memorial Scholarship for Girls, £200 for three years: Thomson, Dorothy May, Diocesan College, Rondebosch.

III. SECOND MINING EXAMINATION.

Exhibition of £40, tenable for two years: Malherbe, David Gabriel, Victoria College, Stellenbosch.

IV. MATRICULATION EXAMINATION.

- (a) Major Exhibitions of £30, tenable for one year: Liddell, Annie Helen, Girls' High School, Rondebosch. De Waal, Magdalena Anna, Girls' High School, Worcester. Thompson, Cyril Newton, High School, Butterworth. Forman, Moses, The Gymnasium, Lower Paarl. Malherbe, Andries Petrus, High School, French Hoek. Welsh, George Henry, High School, Butterworth. Golightly, Frederick Walton, Boys' High School, Stellenbosch. Charles, Florence, Selborne College, East London. Martins, Zeebergh, High School, French Hoek. Smuts, Phineas Alex., Boys' Public School, Malmesbury. Malherbe, Johannes Stefanus, Boys' High School, Upper Paarl. Brown, Evelyn, Girls' High School, Worcester. Smith, Janet Lizzie, High School, Butterworth. Mitchell, Evelyn, Convent School, King William's Town. Machanik, Lily, Normal College, Cape Town.



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- (b) Minor Exhibitions of £20, tenable for one year:  
 Taylor, Percival Abel, High Schools, Kimberley.  
 Roberts, Aurian Alfred, Selborne College, East London.  
 Boehmke, Hermann Paul Johannes, Dale College, King William's Town.  
 Thomson, George Reid, S.A. College High School, Cape Town.  
 Lister, Florence Crowe, Girls' High School, Rondebosch.  
 Du Toit, Martha, Huguenot Girls' High School, Wellington.  
 Joubert, Jacob de Villiers, Public School, Victoria West.  
 Schepers, Theophilus, Boys' High School, Upper Paarl.  
 Pauw, Jacobus Cornelis (J.'s son), Boys' High School, Stellenbosch.  
 Le Roux, Theodore, Boys' High School, Stellenbosch.  
 Michell, Margaret Rutherford, Girls' High School, Sea Point.  
 Hockley, Doris, Wesleyan High School, Grahamstown.  
 Lucas, Norman Carey, Maritzburg College, Pietermaritzburg.  
 Cawse, Cecil Lawton, Boys' High School, Sea Point.  
 Lawrie, Joseph Gurney, Graaff-Reinet College, Graaff-Reinet.  
 (c) Queen Victoria Memorial Exhibition for Girls: £50 for one year.  
 Liddell, Annie Helen, Girls' High School, Rondebosch.  
 (d) Queen Victoria Memorial Prize:  
 Liddell, Annie Helen, Girls' High School, Rondebosch.

## V. SCHOOL HIGHER EXAMINATION.

- (a) Major Bursaries of £15, tenable for one year:  
 Murray, Langham Dale, Boys' High School, Stellenbosch.  
 Schumann, Peter, Public School, Klein Drakenstein.  
 Boshoff, Stephanus Petrus Erasmus, Boys' High School, Upper Paarl.  
 Burger, Johannes, Public School, Klein Drakenstein.  
 McGregor, Johanna Sibella, Girls' High School, Rondebosch.  
 Mellish, Marie Lydia, Girls' High School, Rondebosch.  
 McClelland, Hugh Charles, S. Andrew's College, Grahamstown.  
 Leinberger, Walther, Christian Brothers' College, Kimberley.  
 Hogan, Charles William, Dale College, King William's Town.  
 De Wet, Pieter Jacob Stefanus, Boys' High School, Stellenbosch.  
 Mann, Muriel Dorothy, Coast High School, Berva, Durban.  
 Sugarman, Pauline, Girls' School, Malmesbury.  
 Van Heerde, Hilda Marie, Girls' High School, Sea Point.  
 Cockin, Vernon Frost, Dale College, King William's Town.  
 (b) Minor Bursaries of £10, tenable for one year:  
 Rambottom, William Henry, Grey College School, Bloemfontein.  
 Faustmann, George Frederick, Boys' High School, Stellenbosch.  
 Schoonees, Pieter Cornelis, Public School, Uniondale.  
 Walters, Johanna Maria, Girls' School, Malmesbury.  
 Johnston, Marjorie Beatrice, Girls' High School, Rondebosch.  
 Holtzhausen, Daniel, Boys' Public School, Riversdale.  
 Parkin, Bately Scott, Christian Brothers' College, Kimberley.  
 Guldenpfennig, Johannes Stefanus Maritz, Government School, Reitz.  
 Haarhoff, Theodore, S.A. College High School, Cape Town.  
 Le Roux, Johanna Elizabeth, High School, French Hoek.  
 Hamman, Aletta Elizabeth, Huguenot Girls' High School, Wellington.  
 Meyer, Carl Frederic William, Boys' High School, Kimberley.  
 Malan, Wouter de Vos, Boys' High School, Wellington.  
 Farmer, Cyril, St. Aidan's College, Grahamstown.  
 (c) Hampden Willis Civil Service Prize:  
 Murray, Langham Dale, Boys' High School, Stellenbosch.

17. The following letter from the holder of the Queen Victoria Scholarship for Girls was read:

Sir,  
 With reference to your letter of the 19th instant informing me that my position in the Intermediate Examination entitles me to the Queen Victoria Memorial Scholarship for Girls, and requesting me to furnish a statement as to the course of study which I intend to pursue during the tenure of this Scholarship, I beg to state that it is my intention to proceed to Newham College, Cambridge, with a view to prosecuting my studies in Modern Languages. I trust this course will meet with the approval of the University Council.

Yours faithfully,  
 (Sgd.) Dorothy M. Thomson.

It was resolved that the course of study proposed to be pursued be approved of.

It was further resolved on the motion of the Vice-Chancellor that the congratulations of the Council be accorded to the Registrar on his daughter's success in obtaining this scholarship.

18.

The following statistical table of examination results was submitted by the Registrar.

UNIVERSITY  
OF THE  
CAPE OF GOOD HOPE.

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CHANCELLOR :

H.R.H. THE PRINCE OF WALES, K.G., K.T., K.P.

VICE-CHANCELLOR :

THE HON. SIR CHARLES ABERCROMBIE SMITH, M.A. KT.



DEGREE DAY,  
29TH FEBRUARY, 1908.



# NAMES OF PRESENTEES.

## A.

### UNDERGRADUATES.

#### 1.—Undergraduates who have passed the Matriculation Examination in the First Class. (Complete List.)

[The Undergraduates in this list whose names are not marked with an asterisk have either requested to be excused from attendance or have failed to signify their intention of being present.]

- |  |  |
|--|--|
| * 1. Liddell, Annie Helen, G.H.S., Rondebosch.                           | Frere Exhibition and<br>Queen Victoria Memorial Prize. |
| * 2. De Waal, Magdalena Anna, G.H.S., Worcester.                         | University Exhibition.                                 |
| 3. Thompson, Cyril Newton, H. S., Butterworth.                           | University Exhibition.                                 |
| * 4. Forman, Moses, The Gymnasium, Lower Paarl.                          | University Exhibition.                                 |
| 5. McCann, John Joseph, P'v'te Study, Worcester.                         |  |
| * 6. Malherbe, Andries Petrus, H.S., French Hoek,                        | University Exhibition.                                 |
| 7. Welsh, George Henry, H.S., Butterworth.                               | University Exhibition.                                 |
| * 8. Golightly, Frdk. Walton, B.H.S., Stellenbosch.                      | University Exhibition.                                 |
| * 9. Charles, Florence, Selborne Coll., E. London.                       | University Exhibition.                                 |
| * 9. Martins, Zeebergh, H.S., French Hoek.                               | University Exhibition.                                 |
| * Smuts, Phineas Alex, B.P.S., Malmesbury.                               | University Exhibition.                                 |
| * 12. Malherbe, Johannes Steffanus, B.H.S., U. Paarl.                    | University Exhibition.                                 |
| * 13. Wagner, Abram Isaac, Marist B. Coll. Uitenhage.                    |  |
| * 14. Brown, Evelyn, G.H.S., Worcester.                                  | University Exhibition.                                 |
| * 15. Smith, Janet Lizzie, H.S., Butterworth.                            | University Exhibition.                                 |
| 16. Mitchell, Evelyn, C.S., King William's Town.                         | University Exhibition.                                 |
| * 17. Badenhorst, Willem Liebrecht, Normal College,<br>Cape Town.        |  |
| * 18. Machanik, Lily, Normal College, Cape Town.                         | University Exhibition.                                 |
| 19. Campbell, Duncan, High Schools, Kimberley.                           |  |
| 20. Taylor, Percival Abel, High Schools, Kimberley.                      | University Exhibition.                                 |
| 21. Roberts, Adriaan Alfred, S.C., East London.                          | University Exhibition.                                 |
| 22. Boehmke, Hermann Paul Johannes, Dale Coll.,<br>King William's Town.  | University Exhibition.                                 |
| 23. Bosman, Daniel Brink, Govmnt. School, Boshof.                        |  |
| 24. Thomson, George Reid, S.A.C.H.S., Cape Town.                         | University Exhibition.                                 |
| * 25. Lister, Florence Crowe, G.H.S., Rondebosch.                        | University Exhibition.                                 |
| * 26. Du Toit, Martha, Huguenot G.H.S., Wellington.                      | University Exhibition.                                 |
| 27. Joubert, Jacob de Villiers, P.S., Victoria West.                     | University Exhibition.                                 |
| * 28. Scheepers, Theophilus, B.H.S., Upper Paarl.                        | University Exhibition.                                 |
| * 29. Pauw, Jacobus Cornelis (J.'s Son), B.H.S., Stel-<br>lenbosch.      | University Exhibition.                                 |
| * 30. Le Roux, Theodore, B.H.S., Stellenbosch.                           | University Exhibition.                                 |
| 31. Don, Agnes Frances Brownlee, G.H.S., King<br>William's Town.         |  |
| 32. Ayllif, Janet Mary, Wesleyan H.S., Grahamstown.                      |  |
| * Earl, Jane Forbes, Huguenot G.H.S., Wellington.                        |  |
| Thorlund, Johannes Natal Vitus, Maritzburg<br>College, Pietemartitzburg. |  |
| * 35. Michell, Margaret Rutherford, G.H.S., Sea<br>Point.                | University Exhibition.                                 |
| 36. Hockly, Doris, Wesleyan H. S., Grahamstown.                          | University Exhibition.                                 |
| 37. Krause, Gerhard Friedrich Martin, Pretoria<br>College, Pretoria.     |  |
| 38. Lucas, Norman Carey, Maritzbg. Coll., P'm'burg.                      | University Exhibition.                                 |
| * 39. Hitchcock, Philippus Jacobus, Pub.S., Richmond.                    | University Exhibition.                                 |
| * 40. Cawse, Cecil Lawton, B.H.S., Sea Point.                            | University Exhibition.                                 |
| 41. Lawrie, Joseph Gurney, Graaff-Reinet College,<br>Graaff-Reinet.      |  |
| 42. Wicht, Hans Hendrik, The Gymnasium, Lower<br>Paarl.                  |  |
| * 43. Lee, Dorothy Grace, G.H.S., Sea Point.                             |  |
| * 44. Genis, Jacob Hendrik, High School, Robertson.                      |  |
| * 45. Twyeross, Bernard George, Dio. Coll., Ronde-<br>bosch.             |  |
| 46. Stewart, James Kidder, Jo. Coll., Johannesburg.                      |  |
| 47. Meiring, Martha Johanna, G.H.S., Worcester.                          |  |
| 48. Fisher, George Wm. Jo. Coll., Johannesburg.                          |  |
| * 49. Pttick, Arthur Ernest, B.H.S., Wellington.                         |  |
| Taylor, Norah Louisa, G.H.S., Wynberg.                                   |  |
| 51. Hawken, John, S. Andrew's Coll. Grahamstown.                         |  |
| 52. Elkington, Hugh Charles, Gov. Sch., Bethlehem.                       |  |
| 53. Brink, Hendrik Christoph, B.H.S., Upper Paarl.                       |  |
| Dold, Cedric Lewis, High Schools, Kimberley.                             |  |
| Geerling, Wouter Johannes, B.H.S., Upper Paarl.                          |  |
| 56. Malherbe, Evert Johannes, The Gymnasium,<br>Lower Paarl.             |  |
| 57. Brink, Wilhelmus Dirk, Pub. S., Somerset West.                       |  |
| 58. Leisegang, Arthur Christopher, D.H.S., Durban.                       |  |
| * 59. Theron, Myra, G.H.S., Paarl.                                       |  |
| 60. Cohen, Jeannette, High Schools, Kimberley.                           |  |
| Damant, Cecil Atherstone, Christian Brothers'<br>College, Kimberley.     |  |
| 62. Nankervis, Horace Leslie, Jo. Coll., Johan-<br>nesburg.              |  |
| * 63. Mentz, Joachim Frederick, B.H.S., Stellenbosch.                    |  |

## B. GRADUATES.

[The Graduates in the following lists whose names are not marked with an asterisk have either requested to be excused from attendance or have failed to signify their intention of being present.]

### I.—DEGREE OF MASTER OF ARTS.

#### MODERN LANGUAGES.

Grosskopf, Siegfried Ernst Heinrich, B. A., Grey University College, Bloemfontein.

#### MENTAL AND MORAL SCIENCE.

\* Keet, Barend Bartholomeus, B.A., Private Study, Stellenbosch.

#### MATHEMATICAL SCIENCE.

Du Toit, Antonie Eduard, B.A., South African College, Cape Town

#### PHYSICAL AND NATURAL SCIENCE (*Chemistry*).

Du Toit, Daniel Francois, B.A., Victoria College, Stellenbosch.

Jacobs, Albert Michael, B.A., South African College, Cape Town.

### II.—DEGREE OF BACHELOR OF ARTS WITH HONOURS.

#### CLASSICS.

- \* 1. Robb, Douglas, Diocesan College, Rondebosch.
- \* 2. Alexander, Aaron, South African College, Cape Town.
- \* 3. Mars, Walter Herbert, Diocesan College, Rondebosch.

#### MODERN LANGUAGES.

- \* 1. Toerien, Mattheus Francois, Victoria College, Stellenbosch.
- 2. Hattling, Gerhardus, Victoria College, Stellenbosch.
- 3. Moolman, Johannes Zacharias, Grey University College, Bloemfontein.
- Van der Merve, Nicolaas Johannes, Grey University College, Bloemfontein.

#### MENTAL AND MORAL SCIENCE.

\* Malan, Gabriel Hercules, South African College, Cape Town.

#### HISTORY.

\* Franks, Moses, South African College, Cape Town.

#### MATHEMATICS.

\* Kotzé, Peter Canzius, South African College, Cape Town.

#### PHYSICS.

- 1. Irving, Aubrey Gordon, South African College, Cape Town.
- 2. Bullock, John Bernard, Diocesan College, Rondebosch.
- 3. Louw, Marthinus Smuts, Victoria College, Stellenbosch.

#### CHEMISTRY.

\* Fischer, Christian Ludwig, Victoria College, Stellenbosch.

#### BOTANY.

- \* 1. Ballantine, Arthur James, South African College, Cape Town.
- 2. Scholtz, Tielman Johannes Roos, Victoria College, Stellenbosch.
- 3. Doidge, Ethel Mary, Huguenot College, Wellington.
- 4. Britten, Lillian Louise, Rhodes University College, Grahamstown.

#### ZOOLOGY.

\* Du Toit, Petrus Johann, Victoria College, Stellenbosch.

### III.—DEGREE OF BACHELOR OF ARTS.

#### A.—Department of Literature and Philosophy.

- \* Beardmore, Ernest, Private Study, Wynberg.
- Cadoux, Arthur Temple, Private Study, Seaview, Natal.
- \* Centlivres, Dora May, South African College, Cape Town.
- \* Kikillus, Gustav Theodore Tobias, Victoria College, Stellenbosch.
- \* Milne, Jane Ellen, Victoria College, Stellenbosch.
- Norman, Robert, Private Study, Rustenburg.
- O'Reilly, Graham Alexander, Private Study, Heidelberg, Transvaal.
- Piennar, Eduard Christian, Victoria College, Stellenbosch.
- \* Reyneke, Johannes, Victoria College, Stellenbosch.
- \* Sampson, Oswald Victor Fehrsen, Rhodes University College, Grahamstown.
- \* Schreiner, William Francis Reitz, South African College, Cape Town.
- Smart, Evelyn Eutracia, Rhodes University College, Grahamstown.
- Smith, Marion Couper, Huguenot College, Wellington.
- Stegmann, Antonie Christoffel, Victoria College, Stellenbosch.
- Stals, Christiaan Johannes, Victoria College, Stellenbosch.
- Theron, Roelof Johannes de Leeuw, South African College, Cape Town.
- Van Alphen, Johannes Gerhardus, Private Study, Aliwal North.
- Van der Walt, Hendrik Johannes Jacobus, Theological School, Potchefstroom.
- Van der Rooyen, Susanna Maria, Huguenot College, Wellington.
- Van Rooyen, Victoria College, Stellenbosch.
- Werth, Albert, Victoria College, Stellenbosch.
- Wheatcroft, Leonard Rowland, Private Study, Heidelberg, Transvaal.
- Widdicombe, Frank, Private Study, Ngqeleni.

#### B.—Department of Science.

- Du Toit, Charle Guillaume Rocher, Victoria College, Stellenbosch.
- Gifford, John, South African College, Cape Town.
- \* Hayward, George Nathaniel, Victoria College, Stellenbosch.
- \* Haywood, George Nathaniel, Victoria College, Stellenbosch.
- \* Joubert, Stefanus, Victoria College, Stellenbosch.
- \* Louw, Gideon Johannes, South African College, Cape Town.
- \* Luckhoff, Henry Baillie, Victoria College, Stellenbosch.
- Reinecke, Theodore Gerald Wellesly, Rhodes University College, Grahamstown.
- Van der Spuy, Andrew, Victoria College, Stellenbosch.



Statistical  
Table of  
Results.

Examination.	Passed.	Condoned.	Failed.	Percentage of Passes.		
				1907	1906	1905
School Higher Matriculation	1092	26	643	62.9	63.0	61.5
Intermediate Arts	905	3	529	63.1	52.4	51.9
B.A. (Lit. & Phil.)	171		123	58.2	68.9	59.3
B.A. (Science)	31 (a)		18	63.2	74	75.6
M.A. Part I.	18 (b)		12	60.0	57.6	81.8
M.A.	1		2	33.3	66.6	100
Survey Part I.	5		4	55.5	50	50
Survey Part II.	12		21	36.4	65.6	...
Mining I. (New Regs.)	10		17	57.0	52	...
Mining II. (New Regs.)	5		3	62.5	100	...
Mining I. (Old Regs.)	1		3	25.0	...	...
Mining II. (Old Regs.)	2 (c)		1	66.7	57.1	70.8
Mining Final	4		5	44.4	85.0	42.8
Preliminary LL.B.	6	1	7	46.1	75.0	72.7
Final LL.B.	7		3	70.0	75.0	26.3
Cape Law Certificate	10		2	85.3	100	80
Transvaal Law Certificate	39		91	49.4	50.5	46.2
O.R.C. Law Certificate	43		24	64.2	68.4	75.0
Natal Law Certificate	10		1	90.9	75	46.1
C.S. Preliminary LL.B.	1		7	12.5	50	50
C.S. Final LL.B.	2		0	100	...	...
Cape C.S. Higher Law	1		0	100	0	75.0
Transvaal C.S. Higher Law	3		0	100	100	...
O.R.C. C.S. Higher Law	2		0	100	...	...
Cape C.S. Lower Law	13		47	21.7	46.6	29.7
Cape C.S. Lower Law (Rhodesian candidates)	1		12	7.7	8.3	43.7
Cape C.S. Lower Law (Basutoland Candidates)	2		2	50	0	0
Cape C.S. Lower Law (Bechuanaland candidates)	1		0	100	0	...
Transvaal C.S. Lower Law	27		31	46.6	48.6	35.7
O.R.C. C.S. Lower Law	5		8	38.5	59.0	15.4
Swaziland C.S. Lower Law	0		1	0	...	...

(a) 9 with Honours. (b) 10 with Honours.

(c) One subject only in completion of examination.

19.  
Arithmetic  
paper in  
the  
Matriculation  
Examination

Letters from the emergency Committee of the South African Teachers' Association and from the Zuid Afrikaanse Onderwijzers Unie containing strictures on the Matriculation Paper were submitted, together with the following memorandum on the subject prepared by the Examiners.

Sir, I am in receipt of your letter conveying to me copies of the resolutions adopted by the Congress of the Z.A.O.U. and the Emergency Committee of the S.A.T.A. in connection with the Arithmetic paper set by me at the recent Matriculation Examination; I have delayed my reply till I had examined all the papers sent in.

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The criticism of the Z.A.O.U. was that the moderator and myself showed great want of judgment in deciding what is to be expected in Arithmetic of a candidate at the Matriculation stage. This can only mean that, either, questions or parts of questions were set which the candidates could not be expected to answer, or, that the paper was altogether too difficult. If the former, I can only reply by inquiring what question or part of a question there is in the paper which a candidate could not be expected to answer. Looking back over the marks allotted to the papers I have no hesitation in saying that work connected with every question in the paper had been taught to the majority of the candidates. If the latter, the criticism is practically the same as that of the Committee of the S.A.T.A., which is that there were too many difficult questions.

I do not think that this criticism is justified and I think that if the paper had been studied more carefully, the criticism would have been modified. It must be remembered that the syllabus for the School Elementary Examination contained vulgar and decimal fractions, percentages, interest, profit and loss, and discount, while that for the School Higher Examination has in addition square root, cube root, and stocks, so that in general candidates for Matriculation are expected to have worked at such subjects as percentages, interest and decimal fractions for more than two years, and square root, cube root, and stocks for more than one year. I was specially appointed moderator of the School Higher paper in Arithmetic so that a fair gradation should be made from the School Higher paper to the Matriculation paper, and in drawing up the Matriculation paper I tried to make it correspond to a fair year's work above the School Higher, with questions on stocks, profit and loss, etc., harder than the corresponding questions in the School Higher Examination. If, as I have heard said, the pressure of work in the year for Matriculation is so much that sufficient time cannot be found for Arithmetic, then I think that the Z.A.O.U. and the S.A.T.A. should approach the University Council and ask that some limitation be put on the Arithmetic syllabus (at present the syllabus reads "the whole subject including the elements of the metric system") or on the questions set, but until the University Council limits in any way the range of the examination the examiner must consider that a paper is to be set for candidates who are a year above the standard of the School Higher.

My contention is then that a certain amount of difficulty must be expected in the paper; and I must point out that, judging by the marks obtained, the paper does not seem to have been extremely difficult, certainly the candidates did not do at all so badly as I had expected from the remarks of the Z.A.O.U. In view of the complaints I was rather surprised to find that of the 1466 candidates, while 33 were absent or sent in no paper, only 38 apart from these failed on the paper; and on the papers sent in the average number of marks obtained was between 55 and 56, the maximum number being 120.

Over 80 marks were gained by 114 candidates, over 90 by 43 and over 100 by 9; one candidate obtaining 115, another 113 and a third 112. I must add that these were the original numbers allotted, no percentage was added.

I am,  
Yours faithfully,  
(Sgd.) Lawrence Crawford.

It was resolved that replies be addressed to the two Associations embodying the substance of the above memorandum.

20.  
Syllabus in  
Arithmetic  
for Matriculation  
Examination

With reference to a letter from the Principal of the Boys High School, Wynberg, suggesting that a syllabus of the Arithmetic required for the Matriculation Examination should be prepared it was resolved that the matter be referred to the Science Committee and that the two teachers



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associations be informed of this decision

21. Letters from Professor Morice (Transvaal University College) and from certain candidates in the Transvaal containing strictures on the Roman-Dutch Law paper for the Law Certificate Examination were submitted, and also the following memorandum on the subject prepared by the Examiners:

In reply to your letter of the 27th ult., forwarding the enclosed letter from Mr. Morice of the 20th ult., regarding the first Roman-Dutch Law Paper, and in reply to your further letter forwarding one from certain Transvaal Students of the 1st inst., we have the honour to report as follows:

As regards Mr. Morice's first objection, that the paper was unfair to South African students generally, as the questions were to a great extent on obsolete points of Van der Linden, and to the same objection by some Transvaal Law Students that four out of ten questions were on more or less obsolete points, the answer is that the examiners consider it their duty to examine on the whole of the prescribed text books, and not to eliminate the somewhat obsolete portions, until the University sees fit to do so, and only prescribe a portion of the text book. Van der Linden is a somewhat obsolete work, and although a more modern work, Maasdorp's Institutes for example, would probably be more suitable, until the text book is changed, it is difficult to see how the examiners can avoid asking some questions on obsolete points.

Next with regard to Mr. Morice's objection that question 7 was unfair, as none of the cases prescribed were Transvaal cases, we would point out that the candidates were only asked to deal with three out of seven cases, most, if not all of which have been constantly cited and followed in the Transvaal Courts, and have settled the Law in South Africa on the various points dealt with therein.

Further 5 out of 7 cases given were decided years back, when the Cape decisions were practically the only authoritative judgments in South Africa.

If Transvaal cases must be given, surely Natal, C.R.C. and Rhodesian cases should also be given.

Next with regard to Mr. Morice's objection that question 9 was unfair to Transvaal students as involving a knowledge of Cape procedure, we would point out that the Transvaal procedure is practically identical with that in the Cape, and those who gave the Transvaal procedure correctly were awarded full marks for that portion of the question. It might have been better to have asked in the question for a comparison with South African Law instead of Cape Law, but the form in which it was put has been usual for years past, and all the candidates are expected to know Cape Case Law, which would enable them to answer the question. Full consideration was given in marking, where any Transvaal students said they did not know the answer, as it was a question of Cape procedure. However, nearly all the Transvaal candidates stated what they knew of the Transvaal procedure, and when they stated it correctly got full marks for that portion of the question.

The only other objection is that contained in the Transvaal Students' letter of the 1st inst., viz., that the paper betrayed a too rigid adherence to the text book, and that the syllabus means that the subject is the elements of Roman-Dutch Law, and not, too exclusively, the contents of this particular text book. In reply to this we would point out that the syllabus does not merely recommend students to read Van der Linden. It definitely prescribes it as the text book, and if it was much departed from doubtless the complaints would be many, e.g. note the complaints in question 9 where the text book was slightly departed from. The only reason why examiners can depart from the text book is because a knowledge of Case Law is prescribed.

The real explanation of this objection and also of Mr. Morice's first objection that the paper dealt too much with obsolete points, is that it is apparent this year as in past years, from the answers both of the Law Certificate and Civil Service students, that the great majority of the students will not read the text book in this or any other subject, but prefer to rely exclusively on the notes supplied by their various lecturers, which only apparently

Roman-Dutch  
Law paper  
in Law Certificate  
Examination.

deal with the points such lecturers consider the most important. Until the candidates will seriously read their text books it is almost impossible for the examiners to avoid setting questions which would be considered unfair by many of the candidates.

We are,  
Sirs,  
Your obedient Servants,

(Sgd.) J. A. Joubert.  
E. G. Rainsford.

Examiners.

It was resolved that the Registrar be instructed to inform the complainants that in view of the Examiners' Report the Council was of opinion that the strictures were not justified and to give as far as necessary the reasons for this opinion.

22. The following Report of the Literature Committee was submitted:

Report of Literature Committee

Recommendations submitted by the Committee.

A.

- I. That the verse subject for the Matriculation Latin paper be increased in length to at least 500 lines.
- II. That in the case of the B.A. Honours Examination in Classics some definite period in (a) Greek History (b) Roman History be prescribed from year to year in place of the general syllabus, a general acquaintance with Greek and Roman History being still required in the Pass Examination.
- III. That in the case of the B.A. Honours Examination in Classics the arrangement of the papers be as follows:
  - 1. Latin set books with questions on matter.
  - 2. Greek set books with questions on matter.
  - 3. Latin Prose Composition and Unseen.
  - 4. Greek Prose Composition and Unseen.
  - 5. History, Archaeology, Philology, each paper to be of three hours' length.
- IV. That in the case of all subjects at the B.A. Examination in Literature and Philosophy there be a two days' interval between the Pass and Honours papers.
- V. That, if possible, recommendations III and IV be carried into effect in 1908.

Latin verse at Metric Exam?

B.A. Honours Classics  
Greek and Roman History

B.A. Honours Classics  
Arrangement of papers

Interval between Pass and Honours papers

B.

- VI. That in the case of the School Higher Examination (a) the marks for dictation be reduced to 25 and the marks for grammar etc. be raised to 55, (b) "word-formation" be omitted and in place of it there be inserted "the making of sentences illustrating the use of specific words."
- VII. That Marlowe's Edward II be added to the list of books prescribed for the B.A. Pass Examination in 1909.
- VIII. That the syllabus for the B.A. Honours Examination in English be as follows:

School Higher Exam:  
English.

B.A. Honours Exam:  
Syllabus in English

First Paper

- Part I. Essay
- Part II. Either Some Department of Literature with prescribed works illustrative of that department.
- or Period of Literature with prescribed works from the period.

Second Paper

- Part I. The works of some one author, certain of his works to be studied particularly.



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Report of  
Literature  
Committee.

Part II. The elements of Anglo-Saxon and Middle English, with prescribed portions of text. Simple passages to be given for unprepared translation, and questions on the history of the language.

- N.B. (1) The Committee desires it to be noted that it is strongly of opinion that no satisfactory scheme for B.A. Honours in Modern Languages can be made unless only two languages are prescribed.
- (2) The Professors of Modern Languages desired it to be stated that they had not received notice of the intention to raise the above question and consequently reserved their right to state their opinions after future consideration.

IX. That the suggestion contained in paragraph (1) of the following letter from the Principals of Gov. High Schools in the Transvaal with reference to the syllabus for the First English Paper for the Matriculation Examination be not adopted:

Letter with reference to the 1st English paper in the Matriculation Examination.

Pretoria College,  
Transvaal,  
Sept. 15. 1906.

The Registrar of the  
University of the Cape of Good Hope,  
Cape Town.

Sir,  
We, the undersigned, being the Principals of all the Government High Schools for Boys and for Girls in the Transvaal, wish to inform the Council of the University of the Cape of Good Hope of our objection to the constitution of the first paper in English for Matriculation as set out in the current volume of the University Calendar, and to suggest certain modifications.

- (1) We consider that composition is amply tested by the Essay and that the addition of a letter (or letters) is wholly unnecessary; and further that by the addition of the letter (or letters) an undue proportion of time is allotted to composition; and we suggest that the letter (or letters) be dispensed with and the time saved allotted to other matter.
- (2) We consider that the number of sentences hitherto given for correction is unduly large; we trust that in future this number may be considerably reduced; and we deprecate the insertion among such sentences of examples the correctness or incorrectness of which is open to any doubt.
- (3) We consider that the question on paraphrase should be a test of power to comprehend the full meaning of the passage set and to express that meaning with the greatest possible clearness; we do not think that candidates should be required, as in the paper set in 1905, "to preserve the elevation and tone of the original" in their paraphrase. We believe that this feat is quite beyond the power of the average candidate, and that in his effort to accomplish it the degree of success which would otherwise have been attained in satisfying the main object of the test is imperilled.

N.B. The Committee decided that it was not necessary to make any recommendations with respect to paragraphs (2) and (3) as the matters therein referred to had already received attention.

C.

X. That the Regulations for the Examinations in History at the Intermediate and B.A. Examinations be amended as follows:

Regulation for Examinations in History at the Intermediate and B.A. Examinations

(A) Intermediate Examination.

Page 106, Calendar (1907-1908) to read:-  
12. History  
General History of Europe, 800-1517.

(Professors Edgar, Lord and Godes-Wolsbergen to arrange syllabus.)

*Report of  
Literature  
Committee*

*Regulations for  
Examinations in  
History at B.A.  
Examination*

(B) B.A. Pass Examination.

Page 125, Calendar (1907-1908) to read:-

Two Papers.

First Paper: Either General History of Europe  
1250-1517 A.D.  
or  
Political History of  
England, 1603-1815.

Second Paper: Constitutional History of  
England, 1603-1867.

(Professors Edgar, Lord and Godes-Molsbergen to  
arrange syllabus.)

(C) B.A. Honours Examination.

Page 131, Calendar (1907-1908) to read:-

18. History.

First Paper:  
The subjects of the Pass Ex-  
amination treated more fully.

Second Paper:  
'As on page 132, Second Paper(a),.

Third Paper:  
(a) As on page 131, First Paper.  
(b) History of South Africa,  
Political and Constitutional  
to 1873.

Fourth Paper:  
A period of Modern History.

Fifth Paper:  
An Essay (a choice of three sub-  
jects will be given.)

XI. That the scheme of marks for the B.A. Honours Ex-  
amination in History be as follows:

	Maximum	Minimum
First Paper	250 )	
Second Paper	250 )	
Third Paper (a)	150 )	600
(b)	100 )	
Fourth Paper	250 )	
Fifth Paper	200 )	

D.

XII. That the following be the schedule for the Third and  
Fourth Honours Papers in Philosophy:-

Third Paper:

A subject of ancient philosophy, to be pre-  
scribed from time to time, with the special  
study of some text or texts illustrative  
of that subject.

Fourth Paper:

A subject of modern philosophy, to be pre-  
scribed from time to time, with the special  
study of some text or texts illustrative  
of that subject.

Note It is understood that the periods and subjects  
in the Third and Fourth Papers are to be studied in  
reference to the general history of philosophy.

Note To exemplify the proposed schedule the Com-  
mittee recommends the following as the prescribed  
works and subjects for 1910:

Third Paper:

Greek Ethics from Socrates to Aristotle,  
with a special study of Plato's Republic  
(translated by Davies and Vaughan).

Fourth Paper:

The Theory of Knowledge in the period from  
Descartes to Kant, with a special study  
of Watson's Selections from Kant, pp.1 -  
222 (namely, the selections from the  
Critique of Pure Reason).

*Schedule for 3<sup>rd</sup>  
and 4<sup>th</sup> Honours  
papers in Philosophy*

*With reference to the above recommendations the  
following resolutions were agreed to, namely:*



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- (1) That VII be not adopted.
- (2) That I, II, VI, IX and XII be adopted.
- (3) That III be adopted with the addition of the words  
"but that no change be made in the present  
"allocation of the marks between the several  
"subjects"
- (4) That IV be adopted in the following form:

"That, as far as practicable, there be a two days' interval between the Pass and Honours papers in both departments of the B.A. Examination."

- (b) That VII be referred to the special Committee specified in paragraph 26(6).
- (5) That ~~IV~~ be carried into effect in 1908, VI after 1908 and I, II and III after 1909.
- (7) That X(A) be adopted, the date of the change to be determined when the syllabus is submitted to the Council.
- (8) That X(B), X(C) and XI stand over until the syllabuses are before the Council.

23. The following Report of the Science Committee was submitted:-

Resolutions adopted by the Committee.

- I. That the following resolution adopted by the Committee of Management of the S.A. Teachers' Association be approved of:

"That in the opinion of this Committee algebraic solutions to questions in Arithmetic should be accepted at the School Higher Examination."

- II. That, with reference to the subjoined letter from the Principals of Government High Schools in the Transvaal,

- (a) The methods of Algebra be permissible in the Arithmetic paper.
- (b) The character of the papers in Algebra and Arithmetic be not simplified.
- (c) The scope of the Algebra paper be not extended.

Potchefstroom College,  
Transvaal.  
20/10/06

To the Registrar of the University  
of the Cape of Good Hope.

Sir, We have the honour to forward to you for submission to the Council of the University, the following recommendation from the Principals of High Schools in the Transvaal:-

"That the methods of Algebra should be permissible in the Arithmetic paper and vice versa; and that, while the character of these papers should be somewhat simplified, their scope should be extended so as to include Theory of Indices, Surds, Theory of Quadratic Equations and easy Graphical Methods as well as Ratio and Proportion which are about to be added."

We have the honour to be, etc.,  
(Sgd.) J.N. Crofts, and five others.

- III. That no changes in the Regulations for the M.A. and M.Sc. Examinations have been rendered necessary by the separation of Pure and Applied Mathematics at the B.A. Examination.

*Algebraic Solution  
to questions in Arith-  
metik at School  
Higher Exam.*

*Algebra and Arithmetik  
papers.*

*Report of  
Science  
Committee*

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- IV. That in the case of papers in which Mathematical Tables are required the following Tables be supplied by the University:

Bottomley's for the Intermediate Examination,  
Bottomley's for the First Mining Examination,  
Vega's for the Survey Examination, Pts. I & II,  
Vega's for the Second Mining Examination.

- V. That in Mathematical papers proofs of every character be accepted in the absence of instructions from the Examiners to the contrary.
- VI. That, with reference to the subjoined letter from Professor Kent in regard to the examination in the Theory of Land Surveying,

- (a) No action be taken in connection with paragraphs (1) and (2).  
(b) The suggestion in paragraph (3) be adopted.

Diocesan College,  
Rondebosch,  
15th May, 1907.

Dear Sir,

I should be glad if you could bring before the Survey Committee the following matters with reference to the Examination in the Theory of Land Surveying:

- (1) The mensuration in Part I covers much the same ground as computation of areas in the Theory of Surveying paper in Part II.
- (2) Questions are set in the Differential Calculus paper involving a knowledge of the Exponential and Logarithmic Series which should therefore be included in the Algebra of Part I. The words "Theory of Logarithms" are placed there but these seem too vague.
- (3) In the Co-ordinate Geometry paper for  $(am^2, 2am)$  should be substituted  $(at^2, 2at)$ : "m" is used always in another sense than that implied in the words given in the syllabus.

Yours faithfully,  
(sgd.) T.P. Kent.

Note: (The memorandum from Mr. Fourcade with reference to the syllabus in Surveying referred to the Committee by the Council together with a further memorandum from him on the same subject, was referred to a Sub-Committee for consideration and report.)

- VII. That the syllabus in Elementary Physical Science for the new Matriculation scheme be as follows:

(For Syllabus see ~~University Gazette for March~~)

- VIII. That the syllabus in Zoology for the new Matriculation scheme be as follows:

(For Syllabus see ~~University Gazette for March~~)

- IX. That the following amended syllabus in Geology for the B.A. Honours Examination be adopted, the amended syllabus to be offered as an alternative to the existing syllabus in 1908:-

(For Syllabus see ~~University Gazette for March~~)

Note: Detailed syllabuses in Botany for the School Higher and Matriculation Examinations were drawn up by a Sub-Committee, but consideration of these and of the proposal to omit the reference to Edmond's Elementary Botany was held over until the next meeting of the Committee.

- X. That the Regulations for the new Matriculation scheme on page 102 of the Calendar be amended so as to read as follows:

- (5) One of the following Sciences, (a) Physics, (b) Chemistry, (c) Elementary Physical Science (Physics and Chemistry), (d) Botany, (e) Zoology, (f) Elementary Natural Science (Botany and Zoology);

a note to be added that the separate Sciences will be deleted later.

Mathematical  
Tables

Theory of Land  
Surveying  
Examination

Elementary Phys  
Science in Matric.

Zoology in  
Matric.

Geology in  
B. A. Honours

Regulations for  
New Matriculation  
Scheme.

374a

374b

374c

374d



# University of the Cape of Good Hope.

Syllabuses in Elementary Physical Science and in Zoology for the Matriculation Scheme to come into force in 1909.

## ELEMENTARY PHYSICAL SCIENCE.

### A. Elementary Measurements:

Metric and British Systems of measurement. Measurements of length, and ratio of circumference to diameter of a circle. Measurements of area (*e.g.*, rectangular, triangular and circular areas).

Measurements of volume (*e.g.*, rectangular block, cylinder).

### B. Simple experimental study of some of the chief forces of nature, namely:

- (1) Force of gravity; heavy and light bodies falling through equal spaces in equal times (Galileo's experiment); swinging of a pendulum with hollowed bob, empty, and filled with different materials (Newton's experiment). Principle of the lever, use of the balance. Absolute density of substances in the form of rectangular blocks and cylinders.
- (2) Cohesion and adhesion; tenacity of a metal wire; Hooke's experiments on the extension of a spiral spring, and on the bending of a rod; Hooke's Law. Simple experimental study of phenomena depending on surface forces in liquids; meniscus in water and mercury; rise of liquids in fine tubes.
- (3) Illustrations and measurements of pressure of liquids and gases. Archimedes' principle, floating bodies. Determination of absolute density of water and of specific gravities in simple cases. Weight and pressure of air; the barometer; Boyle's law.

### C. Experimental study of the action of heat on bodies:

Expansion of solids and of liquids; mercurial thermometer, construction, graduation and use; expansion of air. Charles' law. Calorimetry, capacity for heat, specific heat and its measurement. Liquefaction and solidification; melting points; latent heat of fusion, and its measurement in the case of ice. Vaporisation and condensation; pressure of water vapour; boiling points, effect of pressure; distillation; latent heat of vaporisation, and its measurement in the case of water; cooling of air by expansion and formation of cloud in rising air. Solution, solubility. Crystallisation, simple experimental study of a few common crystals.

### D. Elementary Experimental Chemistry:

Instances of chemical reaction. Experimental study of some common raw materials. Laws of conservation. The phenomena of combustion. Preparation and properties of oxygen and hydrogen. Elements and compounds. Properties of water. Decomposition of water. The atomic and molecular hypotheses. Chlorine, hydrochloric acid. Bromine and iodine. Sulphur, sulphurous oxide, sulphuric oxide, sulphuric acid and sulphuretted hydrogen. The atmosphere. Nitrogen, its oxides and ammonia. Nitric acid. Phosphorus and its common oxides. Phosphoric acid. Carbon, graphite and diamond. Oxides of carbon. Marsh gas. Flame. The characteristics of the metals. Acids; bases; salts; neutralization.

## ZOOLOGY.

### A. Special study of the following types:—

- (a) Frog; external characters; skeleton and internal organs; elementary physiology and life history.
- (b) Rabbit (or other mammal); skeleton and internal organs; the placenta and its functions.
- (c) Pigeon or domestic fowl. Skeleton and internal organs.
- (d) Locust. External characters and life history.

### B. Chief characteristics of the following groups:—

- (a) Mammalia; ungulates; carnivores; rodents.
- (b) Birds; flying birds; running birds.
- (c) Reptiles; lizards; snakes; tortoises.
- (d) Amphibians.
- (e) Fishes; sharks; bony fishes.
- (f) Mollusca; univalves; bivalves; cuttlefishes.
- (g) Insects; beetles; butterflies and moths; ants; wasps and bees; dragon flies and white ants; locusts, flies and mosquitoes.
- (h) Earthworms.
- (i) Parasitic worms; tapeworms; round worms.
- (j) Echinoderms; starfishes; sea urchins.
- (k) Cœlenterates; jelly fishes, corals; sea anemones.
- (l) Protozoans; foraminifers; malaria fever parasite.

~~SECRET~~ c.

AMENDED SYLLABUS IN GEOLOGY FOR THE  
B.A. HONOURS EXAMINATION.

---

First Paper.

(1) GEOLOGY:

The origin and development of surface features; the evolution of mountain chains and the attendant phenomena; the development of river systems. theories as to the origin and development of the continental and oceanic areas. The general bearing of geology on physical geography. Geology and agriculture.

(2) MINERALOGY AND PETROGRAPHY:

(a) Mineralogy:

Special knowledge of ores and other minerals economically useful, and fuller study of the rock-forming minerals.

(b) Petrography:

The development of modern petrography, and acquaintance with the methods adopted in its study. The relation of chemical to structural and mineral constitution in the igneous rocks. Consideration of the chief types of lavas. The crystalline schists. The Metamorphism of rocks.

(3) STRATIGRAPHY:

The principles of stratigraphy and history of their development. South African Stratigraphy. Correlation of South African formations with those of other parts of the world.

(In this paper a choice of ten questions will be given, of which not more than six are to be answered.)



Second Paper(Two hours.)

This paper will consist of six questions covering the following subjects:-

- A. The history of stratigraphy and palaeontology.
- B. The history of dynamical geology and of petrography.
- C. The more important geological papers and reports on South African geology during the year or two previous to the year in which the examination is held. A list of the recent literature prescribed will be drawn up in March of each year and issued to applicants. The prescribed literature will be selected as a rule from the publications issued by the Geological Surveys, Museums, and Scientific Societies of South Africa, and by the Geological Society of London.

One question will be set on Section A, one on Section B and four on Section C.

Each candidate must confine himself to two questions, of which one must be selected from Sections A or B and one from Section C.

Practical Examination. (Two days.)

(1) MINERALOGY:

Examination and determination of less typical specimens than for the Pass Examination, together with more detailed investigation of ores.

(2) PETROGRAPHY:

The preparation of rock-sections, for study under the microscope. Determination of minerals by micro-chemical reactions. Determination of the less common and less typical igneous rocks, and of the chief schistose rocks in hand and microscopic specimens.

(3) **PALAEONTOLOGY, STRATIGRAPHY, AND FIELD-WORK:**

The work set will be such as to test the candidate's knowledge of actual field-work, and acquaintance with the fossils and typical rocks occurring in the several formations in South Africa. Candidates will be required to show considerable familiarity with the maps published by the South African Geological Surveys and will be required to draw sections from these maps.

Books of reference may be used by candidates during the practical examination.



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- XI That there be added as soon as possible to the list of Sciences for the School Higher Examination, Elementary Physical Science (Chemistry and Physics), a note to be added that the separate sciences, Physics and Chemistry, will not be examined on from 1910 onwards, and that no candidate can take Physics or Chemistry along with the subject Elementary Physical Science.
- XII. (a) That no text book in Chemistry shall be mentioned to indicate the range of any University Examination in Chemistry, but that detailed syllabuses should be given.
- (b) That B.A. Honours candidates will be expected to have a thorough and broad knowledge of Inorganic, Organic and Theoretical Chemistry, the practical work being co-ordinated with the theoretical.
- (c) That the syllabuses in Chemistry in the Intermediate, B.A. Pass, B.A. Honours and M.A. Examinations should be co-ordinated so as to present various stages in the development of the study.
- (d) That the practical syllabus for the Intermediate Chemistry be revised so as to include Volumetric Analysis, simple Acidimetry and Alkalimetry, and also the preparation of a metallic salt from a pure element or a pure compound.
- (e) That the standard of the Honours Examination in Chemistry be raised.
- (f) That in the B.A. Pass Examination in the practical examination the use and preparation of standard solutions of  $KMnO_4$ ,  $K_2Cr_2O_7$ ,  $I_2$ ,  $K_2S_2O_8$ ,  $AgNO_3$  be inserted as paragraph 2, that the preparation of a simple salt etc. (Section 1) be deleted, that the present paragraph 2 become paragraph 1.
- (g) That a new Section 2 of the syllabus for the B.A. Honours Practical Examination be inserted, "Gravimetric analysis involving quantitative estimations of Ca, Mg, Al, Zn, Sn, Pb, Fe,  $-CO_2$ ,  $-SO_4$ , Cu-Cl, in simple minerals, pure substances or simple alloys", and that the present paragraphs 2 and 3 be deleted.
- (h) That the following be added to the syllabus of the B.A. Honours Practical Examination as a new paragraph 3, Determination of molecular weights by vapour, density or freezing point or boiling point methods. Determination of molecular weights of organic acids and bases. Determination of melting points, boiling points, transition points and of conductivity and dissociation constants. Determination of equivalents of Ag, Pb, Cd, Zn, Mg, Fe, Cu, Sn.

Note A Sub-Committee, consisting of Professors Hahn, Cory, Wilkinson, Martin, Morrison, Lehfeldt, Ogg, Van der Riet and Miss Gibbons, was appointed with instructions to prepare syllabuses for the Intermediate and B.A. Examinations and to submit them to the next meeting of the Committee.

- XIII. That there should be a practical examination in each science subject of the Intermediate Examination in Arts, such an examination to be a thorough test of the practical work of the course.

Note: A Sub-Committee, consisting of Professors Beattie and Mackenzie, was appointed to collect information on the conduct of practical examinations in science, with special reference to the Intermediate Examination, and to report to the Council.

- XIV That the suggestion of the Examiner in Botany at the Intermediate Examination to the effect that there should be a separate three hours' practical examination should be approved.
- XV. That a Committee of two Chemists and two Physicists be appointed to co-ordinate the teaching of Physics and Chemistry, especially with a view to the fact that students of Chemistry should have at the beginning of their Junior B.A. year an elementary knowledge of Magnetism and Electricity, the Committee to consist of Professors Beattie, Hahn, Malherbe and Martin, and to report at the next meeting of the Science Committee.

*Physics and Chemistry at the School Higher Examination*

*Chemistry at University Examinations*

*Practical Examinations at Intermediate Exam<sup>n</sup>*

*Practical Examination in Intermediate Botany*

*Coordination of the Teaching of Physics and Chemistry*

*With reference to the above items the following resolutions were agreed to, namely:*



- (1) That V be not adopted.
- (2) That I, II, III, VI, VII, VIII and XV be adopted as printed.
- (3) That IV be adopted with the addition of a note that in the case of the Survey Examination Chambers' Tables will be supplied in cases where tables of natural Sines and Cosines are required.
- (4) That IX be adopted with the addition of the words "and 1909" after the word "1908".
- (5) That XII be referred to the Committee specified in the note at the end of the sub-section (h).
- (6) That X, XI, XIII and XIV stand over.

24. The following Report of the combined Literature and Science Committee was submitted:

*Report of combined Literature and Science Committee*

Recommendations submitted by the Committee.

- I. That the annual meetings of the Literature and Science Committees be held during the midwinter vacation instead of at the beginning of December, and that the next meetng be held at ..... and commence on July .....
- II. That the scheme of subjects for the Intermediate Examination be amended to read as follows:
  - (1) English
  - (2) Latin or Mathematics
  - (3) Dutch or Hebrew or German
  - (4) Applied Mathematics or Physics or Chemistry or Botany or Zoology or Geology
  - (5) At least one and not more than two of History or Greek or Logic or any one of the subjects enumerated in (2), (3) and (4) not already taken.
- N.B. This recommendation arose out of the discussion of the question of the desirability of separating the examination into two departments.
- III. That in the case of the Intermediate Examination each candidate, instead of doing a practical examination, shall be required to submit his note-book with records of his practical work, certified by his Professor, that no marks be assigned for the same, and that no candidate be admitted to the examination in the subject unless the examiners are satisfied with his practical work, provided that in the case of students not attending a recognised college a qualifying examination shall be passed to the satisfaction of the examiners.
  - N.B. Chemistry and Geology and Botany will be included in this regulation.
  - N.B. This recommendation arose out of the discussion on the following motion referred to the Committee by the Council:
 

"That in the case of the Intermediate Examination there be a Practical Examination in all the Science subjects, including Dynamics."

*Date of meeting of Literature and Science Committee*

*Scheme of subjects for Intermediate Examination*

*Intermediate Exam. Students note books to be submitted in lieu of doing practical examination.*

With reference to the above recommendations the following resolutions were adopted:

- (1) That I. be adopted, the next meeting to be held at Cape Town and to commence on June 29<sup>th</sup>.
- (2) That II. be adopted and that all questions of Syllabus stand over until the scheme has been confirmed at the next meeting in May.
- (3) That III. stand over until the sub-committee



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referred to in Section XIII of the Report of the Science Committee has submitted its report.

25.  
Edinburgh  
University  
Medical  
Examinations

The special Committee appointed to consider what steps should be taken in order that advantage may be taken of the new medical ordinance of the University of Edinburgh submitted the following recommendation:

That the University Council authorise the establishment of a First Professional Examination for Degrees in Medicine, that this examination be held about the beginning of September and that a Committee be appointed to draw up the syllabuses for this examination.

The recommendation was adopted and the Committee was instructed to have syllabuses prepared and submitted at the next ordinary meeting of the Council.

26.

The following motions, of which due notice had been given, were put and adopted:

(a) By the Vice-Chancellor.

(1) To draw attention to the necessity for making provision for more adequate clerical assistance to the Registrar, and to move that the matter be referred to the Vice-Chancellor's and Finance Committees with power to act.

Additional clerical assistance for Registrar

(2) That the fees charged to candidates for the Civil Service Law Examination be raised as follows:

- Civil Service Lower Law Examination from £1 to £2
  - Civil Service Higher Law Examination from £2 to £3
  - Civil Service Preliminary LL.B. Examination from £1 to £3
  - Civil Service Final LL.B. Examination from £2 to £3,
- provided that in the case of the Lower Law Examination a refund of £1 be made to successful candidates.

(3) That the following be appointed assessor members of the Literature Committee:

- Prof. Nauta, Diocesan College, Rondebosch.
- Prof. Hoernle, South African College, Cape Town.
- Prof. du Toit, South African College, Cape Town.
- Prof. Paterson, Transvaal Univ. College, Pretoria.

Appointment of assessor members for Literature

(4) That the following be appointed an assessor member of the Science Committee:

- Prof. du Toit Malherbe, Transvaal Univ. College, Pretoria.

Science and

(5) That the following be appointed assessor members of the Law Committee:

- Adv. H.G.Lewis, South African College, Cape Town.
- Adv. B.K.Long, Diocesan College, Rondebosch.

Law Committee

(b) By Professor Viljoen.

That the syllabuses in Modern Languages for the B.A. Examination be referred to a Special Committee for consideration and report.

B.A. Modern Languages syllabuses referred to special Committee

N.F. The following were appointed members of this Committee:

- Rev. Dr. Macgowan
- Prof. Logeman
- Prof. Notcutt
- Prof. du Toit
- Prof. Lodewyckx
- Prof. Clark
- Prof. Nauta
- Prof. Hoernle
- Prof. Viljoen.

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24.

The following motion by Mr Wessels standing over from the May meeting was submitted:

Motion on Optional Latin at the Matriculation Examination

- (1) That the Amended Regulations for the Matriculation Examination to come into force in 1909 (Calendar, pp. 101,102) be amended as follows:
  - (A) By the insertion after the word "Latin" in section (3) of the words "or one of the Modern Languages mentioned in section (2), subsections (a), (b) and (c) not being the language selected under section (2)".
  - (E) By the addition of the following new paragraph:
 

"Any candidate who has passed the Matriculation Examination and who has not taken Latin may enter for the Latin paper of that Examination at any subsequent examination on payment of a fee of ..... each time his name is registered."
- (2) That the Regulations for the Law Certificate Examination (Calendar, p. 250) be amended by the insertion after the words "Matriculation Examination of this University" in section 1 of the words "and the Latin paper of that Examination", this amendment to come into force in 1910.
- (3) That, in the event of (1) being carried, a Committee be appointed to consider and report upon what changes will be necessary in the Regulations for admission to the Mining and Survey Examinations.
- (4) That the Regulations for the Intermediate Examination in Arts (Calendar, p. 103) be amended by the insertion after the word "Latin" under the heading "Compulsory Subjects (section (b))" of the words "or one Modern Language other than the one chosen under section (e)", this amendment to come into force in 1910.
- (5) That, in the event of (4) being carried, a Committee be appointed to consider and report upon what changes will be necessary in the Regulations for the B.A. and Preliminary LL.B. Examinations.

(1)(A) was after consideration put to the vote and carried, 15 voting for the motion and 14 against it. On the motion of Professor Mackenzie it was resolved that the names of the members voting be recorded in the minutes.

The following is the record of the voting:

Record of the voting

<u>For the motion:</u>	<u>Against the motion:</u>
The Vice-Chancellor	Rev. Dr. Flint
The Pro Vice-Chancellor	Dr. Gregory
Dr. Beck	Rev. Mr. Russell
Dr. Muir	Professor Beattie
Professor Logeman	Professor Hahn
Rev. Dr. Macgowan	Rev. Dr. Jenkins
Professor Mackenzie	Professor Macfadyen
Professor Martin	Professor Marais
Professor Viljoen	Professor Morrison
Dr. Hyslop	Professor Notcutt
Mr. Mudiq	Professor Ritchie
Mr. Adamson	Professor Walker
Mr. Tucker	Mr. Whitton
Mr. Wessels	Mr. Gunn
Dr. Brill	

With reference to items (1)(B), (2) and (3) it was resolved that a Committee be appointed to deal with these sections and that the Committee be instructed to report through the School Leaving Certificate Committee. The following Committee was appointed:

Professor Viljoen	Professor Morrison
Professor Hahn	Professor Beattie
Dr. Muir	Professor Walker
Professor Logeman	Professor Martin.



Item (4) and (5) were ruled out of order in view of the previous resolution regarding the amended scheme of subjects for the Intermediate Examination.

28. The following motion, of which due notice had been given, was allowed to stand over until next meeting:

(e) By Dr. Flint.  
That the direction to candidates for Matriculation under the Amended Regulations for Matriculation in 1909 requiring a certificate to the effect that the Science subject selected by him has been studied experimentally be deleted, and that the following be substituted:  
"Questions will be set to test the practical knowledge of candidates."

29. Examiners and Moderators for the Examinations of 1908 were appointed as follows:

I. SCHOOL HIGHER EXAMINATION.

Subject.	Literature Committee.	
	Examiner.	Moderator.
English I. ...	{ Rev. J. C. Brooke, B.A. ...	Prof. Notcutt, B.A.
English II. ...	{ Mr. J. R. Whitton ...	Prof. Notcutt, B.A.
Latin ...	{ Prof. Johnson, M.A. ...	Prof. Notcutt, B.A.
Greek ...	{ Prof. Macdonald, M.A. ...	Mr. W. A. Russell, M.A.
English History ...	{ Rev. J. Macmillan, M.A. ...	Prof. C. S. Edgar, M.A.
	{ Adv. R. B. Howes, M.A., LL.D. ...	Prof. Godke Molsbergen, Litt.D.
Dutch ...	{ Prof. Nauta ...	Prof. Logeman, B.A., L.H.C.
French ...	{ Prof. Viljoen, Phil.D. ...	Prof. Nauta.
German ...	{ Prof. Lodewyckx, Litt.D. ...	Prof. Viljoen, Phil.D.
Kafir (Xosa) ...	{ Mr. H. C. Girdlestone, B.A. ...	Rev. G. Rolland.
Kafir (Zulu) ...	{ Mr. W. G. Bennie, B.A. ...	
Seuto ...	{ Mr. W. F. Gebers ...	
	{ Archdeacon Sidwell, M.A. ...	
	Chairman: Mr. C. Murray, M.A.	

Science Committee.

Arithmetic ...	{ Prof. Martin, M.A. ...	Prof. Crawford, M.A., D.Sc.
Math. (Section A.) ...	{ Mr. E. Neukes, M.A. ...	Prof. Kent, M.A.
Math. (Section B.) ...	{ Prof. Bartmann, M.A. ...	Prof. Mallerbe, B.A., B.Sc.
Physics ...	{ Mr. J. Barrie Low, M.A. ...	Dr. Tietz, M.A., Ph.D.
Chemistry ...	{ Prof. Beattie, D.Sc. ...	Prof. Pearson, M.A.
Botany ...	{ Prof. van der Riet, M.A., Ph.D. ...	
	{ Miss Duthie, B.A. ...	
	Chairman: Prof. Mackenzie, M.A.	

II. MATRICULATION EXAMINATION.

Subject.	Literature Committee.	
	Examiner.	Moderator.
English I. ...	{ Prof. Lord, B.A. ...	Prof. Notcutt, B.A.
English II. ...	{ Mr. A. E. Armour, B.A. ...	Prof. Notcutt, B.A.
Latin (Section A.) ...	{ Rev. G. P. Ferguson, M.A. ...	Prof. Notcutt, B.A.
Latin (Section B.) ...	{ Prof. Clark, M.A., LL.D. ...	Mr. W. A. Russell, M.A.
Greek ...	{ Mr. J. D. Coley, B.A. ...	Prof. C. S. Edgar, M.A.
History ...	{ Prof. C. S. Edgar, M.A. ...	Prof. J. Edgar, M.A.
Dutch ...	{ Prof. Ritchie, M.A. ...	Prof. Dingemans, M.A., L.H.C.
	{ Mr. C. W. Cousins, M.A. ...	Prof. Logeman, B.A., L.H.C.
French ...	{ Prof. Logeman, B.A., LL.D. ...	Prof. Lodewyckx.
German ...	{ Prof. Dingemans, M.A. ...	Prof. Viljoen, Phil. D.
Kafir (Xosa) ...	{ Prof. Godke-Molsbergen, Litt.D. ...	
Kafir (Zulu) ...	{ Mr. H. C. Girdlestone, B.A. ...	
Seuto ...	{ Mr. W. F. Gebers ...	
	{ Archdeacon Sidwell, M.A. ...	
	Chairman: Prof. Walker, M.A., LL.D.	

Science Committee.

Arithmetic ...	{ Prof. Crawford, M.A., D.Sc. ...	Prof. Bartmann, M.A.
Algebra ...	{ Prof. Kent, M.A. ...	Prof. Crawford, M.A., D.Sc.
Geometry ...	{ Prof. Morrison, M.A., B.Sc. ...	Prof. Mackenzie, M.A., B.Sc.
	{ Prof. Mackenzie, M.A. ...	Prof. Beattie, D.Sc.
Physics ...	{ Prof. Mallerbe, B.A., B.Sc. ...	Prof. van der Riet, M.A., Ph.D.
Chemistry ...	{ Dr. Tietz, M.A., Ph.D. ...	Miss Duthie, B.A.
Botany ...	{ Mr. W. T. Saxton, B.A. ...	
	Chairman: Prof. Brown, M.A., B.Sc.	

## III. INTERMEDIATE EXAMINATION.

Subject.	Literature Committee.	
	Examiner.	Moderator.
English I. ... ..	Mr. W. E. C. Clarke, M.A. ...	Prof. Walker, M.A., LL.D.
English II. ... ..	Rev. H. V. Taylor, M.A. ...	Prof. Walker, M.A., LL.D.
Latin ... ..	Adv. R. M. Escham, M.A., LL.B.	Prof. C. S. Edgar, M.A.
Greek ... ..	Dr. Cillié, B.A., Ph.D. ...	Prof. Ritchie, M.A.
History (A) & (B) ...	Prof. Macfadyen, M.A., LL.D.	Rev. Dr. Flint, D.D.
Dutch ... ..	Prof. Lodewyckx, Litt.D. ...	Prof. Godée-Molsbergen, Litt.D.
French ... ..	Mr. H. C. Girdlestone, B.A. ...	Prof. Nauta.
German ... ..	Rev. Dr. Macgowan, M.A., LL.D.	Prof. Viljoen, Phil.D.
Chairman: Mr. W. A. Russell, M.A.		
Science Committee.		
Algebra ... ..	Mr. E. M. Binckes, B.A. ...	Prof. Brown, M.A., B.Sc.
Geom. & Trig. (A) ...	Prof. Breyer, Ph.D. ... ..	Prof. Brown, M.A., B.Sc.
Geom. & Trig. (B) ...	Prof. Breyer, Ph.D. ... ..	Prof. Brown, M.A., B.Sc.
Dynamics ... ..	Mr. E. T. Littlewood, M.A., B.Sc.	Prof. Mackenzie, M.A.
Physics ... ..	Prof. Lehfeldt, D.Sc. ... ..	Prof. Morrison, M.A., B.Sc.
Chemistry ... ..	Mr. J. Lewis, M.A. ... ..	Prof. Morrison, M.A., B.Sc.
Chemistry (Prac.) ...	Mr. J. Lewis, M.A. ... ..	Prof. Morrison, M.A., B.Sc.
Geology ... ..	Mr. A. L. du Toit, B.A. ... ..	Prof. R. B. Young, M.A., B.Sc.
Botany ... ..	Mr. I. B. Pole Evans, B.A., B.Sc.	Prof. Gilchrist, M.A., D.Sc., Ph.D.
Zoology ... ..	Dr. J. C. Mitchell, D.Sc., M.B.C.M.	Dr. Warren, D.Sc.

Chairmen: Mr. E. Noaks, M.A. and Dr. Marloth, M.A.

## IV. FIRST MINING EXAMINATION (NEW REGULATIONS).

Mathematics I. ... ..	Mr. E. M. Binckes, B.A. ...	Prof. Brown, M.A., B.Sc.
Mathematics II. ... ..	Prof. Breyer, Ph.D. ... ..	Prof. Brown, M.A., B.Sc.
Mathematics III. ... ..	Prof. Breyer, Ph.D. ... ..	Prof. Brown, M.A., B.Sc.
Applied Mathematics ...	Mr. E. T. Littlewood, M.A., B.Sc.	Prof. Mackenzie, M.A.
Physics ... ..	Prof. Lehfeldt, D.Sc. ... ..	Prof. Morrison, M.A., B.Sc.
Chemistry ... ..	Mr. J. Lewis, M.A. ... ..	Prof. Morrison, M.A., B.Sc.
Chemistry (Prac.) ...	Mr. J. Lewis, M.A. ... ..	Prof. Morrison, M.A., B.Sc.
Geology ... ..	Mr. A. L. du Toit, B.A. ... ..	Prof. R. B. Young, M.A., B.Sc.
Graphics I. ... ..	Prof. Orr, B.Sc. ... ..	Prof. Bohle.
Graphics II. ... ..	Prof. Bohle ... ..	Prof. Orr, B.Sc.

Chairmen: Mr. E. Noaks, M.A. and Dr. Marloth, M.A.

## V. SECOND MINING EXAMINATION (NEW REGULATIONS).

Mathematics I. ... ..	Prof. Mackenzie, M.A. ... ..	Prof. Brown, M.A., B.Sc.
Mathematics II. ... ..	Prof. Brown, M.A., B.Sc. ...	Prof. Ogg, M.A., B.Sc., Ph.D.
Applied Math. I. ... ..	Prof. Morrison, M.A., B.Sc. ...	Prof. Crawford, D.Sc.
Applied Math. II. ... ..	Prof. Ogg, M.A., B.Sc., Ph.D.	Prof. Mackenzie, M.A.
Physics I. ... ..	Prof. Lehfeldt, D.Sc. ... ..	Mr. D. Williams, B.Sc.
Physics II. ... ..	Mr. D. Williams, B.Sc. ... ..	Prof. Lehfeldt, D.Sc.
Chemistry I. ... ..	Prof. Martin, M.A. ... ..	Mr. J. Lewis, M.A.
Chemistry II. ... ..	Prof. Martin, M.A. ... ..	Mr. J. Lewis, M.A.
Chemistry (Prac.) ...	Prof. Martin, M.A. ... ..	Mr. J. Lewis, M.A.
Geology and Mineralogy I.	Mr. A. L. du Toit, B.A. ... ..	Prof. R. B. Young, M.A., B.Sc.
Geology and Mineralogy II.	Prof. R. B. Young, M.A., B.Sc.	Mr. A. L. du Toit, B.A.
Geology (Practical) ...	Mr. A. L. du Toit, B.A. ... ..	Prof. R. B. Young, M.A., B.Sc.
Graphics I. ... ..	Prof. Bohle ... ..	Prof. Orr, B.Sc.
Graphics II. ... ..	Prof. Bohle ... ..	Prof. Orr, B.Sc.
Engineering Design and Drawing I. & II.	Prof. Orr, B.Sc. ... ..	Prof. Bohle.

Chairmen: Mr. E. T. Littlewood, M.A., B.Sc. and Dr. Marloth, M.A.

## VI. SURVEY EXAMINATION.

## PART I.

Algebra ... ..	Mr. E. M. Binckes, B.A. ...	Mr. E. T. Littlewood, M.A., B.Sc.
Geometry ... ..	Mr. E. T. Littlewood, M.A., B.Sc.	Mr. E. M. Binckes, B.A.
Plane Trig. and Mensuration.	Mr. J. F. W. Kupferbürger, B.A., B.Sc.	Prof. Brown, M.A., B.Sc.

## PART II.

Spherical Trig. and Astronomy.	Dr. I. K. E. Halin, Ph.D. ...	Prof. Brown, M.A., B.Sc.
Co-ord. Geom. and Diff. Calculus.	Prof. Ogg, M.A., B.Sc., Ph.D.	Mr. M. C. Vos, B.A.
Theory of Surveying...	Mr. H. G. Fourcade ... ..	Prof. Brown, M.A., B.Sc.
Optics and Heat ... ..	Mr. D. Williams, B.Sc. ... ..	Mr. M. C. Vos, B.A.
Chairman:		Prof. Lehfeldt, D.Sc.

\* Appointments to be made later.



VII. B.A. EXAMINATION (LITERATURE AND PHILOSOPHY).

PASS EXAMINATION.

Subject.	Examiners.
Latin I. ....	Rev. B. H. Hampden Jones, M.A., and
Latin II. ....	Rev. B. H. Hampden Jones, M.A., and
Latin III. ....	Rev. B. H. Hampden Jones, M.A., and
Greek I. ....	Dr. Brill, Litt.D., and Mr. W. A. Russell, M.A.
Greek II. ....	Dr. Brill, Litt.D., and Dr. Cillić, B.A., Ph.D.
Greek III. ....	Dr. Brill, Litt.D., and Dr. Cillić, B.A., Ph.D.
English I. ....	Dr. Brill, Litt.D., and Rev. B. H. Hampden Jones, M.A.
English II. ....	Rev. J. A. Campbell, M.A., and Prof. Purves, M.A.
Dutch I. ....	Rev. J. A. Campbell, M.A., and Prof. Purves, M.A.
Dutch II. ....	Rev. D. G. Malan, M.A., B.D., and Prof. Moorrees.
French I. ....	Rev. J. A. Campbell, M.A., and Mr. K. A. H. Houghton, B.A.
French II. ....	Rev. J. A. Campbell, M.A., and Mr. K. A. H. Houghton, B.A.
German I. ....	Mr. H. C. Girdlestone, B.A., and Mr. K. A. H. Houghton, B.A.
German II. ....	Mr. H. C. Girdlestone, B.A., and Mr. K. A. H. Houghton, B.A.
Logic & Psychology I. & II.	Rev. R. B. Douglas, M.A., and Mr. H. E. S. Fremantle, M.A.
History I. ....	Mr. C. D. Hope, M.A., and Mr. W. G. R. Murray, M.A.
History II. ....	Mr. C. D. Hope, M.A., and Mr. W. G. R. Murray, M.A.

HONOURS EXAMINATION.

Classics I. ....	Rev. B. H. Hampden Jones, M.A., and
Classics II. ....	Dr. Brill, Litt.D., and Dr. Cillić, B.A., Ph.D.
Classics III. ....	Mr. W. A. Russell, M.A., and
Classics IV. ....	Mr. W. C. Bowles, M.A., and Rev. B. H. Hampden Jones, M.A.
English I. ....	Rev. J. A. Campbell, M.A., and Prof. Purves, M.A.
English II. ....	Rev. J. A. Campbell, M.A., and Prof. Purves, M.A.
Dutch I. ....	Rev. D. G. Malan, M.A., B.D., and Prof. Moorrees.
Dutch II. ....	Rev. D. G. Malan, M.A., B.D., and Prof. Moorrees.
French I. ....	Rev. J. A. Campbell, M.A., and Mr. K. A. H. Houghton, B.A.
French II. ....	Rev. J. A. Campbell, M.A., and Mr. K. A. H. Houghton, B.A.
German I. ....	Mr. H. C. Girdlestone, B.A., and Mr. K. A. H. Houghton, B.A.
German II. ....	Mr. H. C. Girdlestone, B.A., and Mr. K. A. H. Houghton, B.A.
Mental & Moral Science, I., II., III., IV.	Rev. R. B. Douglas, M.A., and Mr. H. E. S. Fremantle, M.A.
History I. ....	Mr. Adv. B. K. Long, B.A., LL.B., and Mr. W. G. R. Murray, M.A.
History II. ....	Mr. Adv. B. K. Long, B.A., LL.B., and Mr. W. G. R. Murray, M.A.
History III. ....	Mr. C. D. Hope, M.A., and Mr. W. G. R. Murray, M.A.
History IV. ....	Mr. C. D. Hope, M.A., and Mr. W. G. R. Murray, M.A.
History V. ....	Mr. Adv. B. K. Long, B.A., LL.B., and Mr. W. G. R. Murray, M.A.

Chairman: Mr. C. Murray, M.A.

VIII.—B.A. EXAMINATION (SCIENCE).

PASS EXAMINATION.

Mathematics I. ....	Prof. Brown, M.A., B.Sc., and Mr. E. T. Littlewood, M.A., B.Sc.
Mathematics II. ....	Prof. Brown, M.A., B.Sc., and Mr. E. T. Littlewood, M.A., B.Sc.
Mathematics III. ....	Mr. E. T. Littlewood, M.A., B.Sc., and Prof. Ogg, M.A., B.Sc., Ph.D.
Applied Math. I. ....	Prof. Lehfeldt, D.Sc., and Mr. D. Williams, B.Sc.
Applied Math. II. ....	Prof. Lehfeldt, D.Sc., and Mr. D. Williams, B.Sc.
Physics I. ....	Prof. Lehfeldt, D.Sc., and Mr. D. Williams, B.Sc.
Physics II. ....	Prof. Lehfeldt, D.Sc., and Mr. D. Williams, B.Sc.
Chemistry I. ....	Mr. J. Lewis, M.A., and Prof. du Toit Malherbe, M.A., Ph.D.
Chemistry II. ....	Mr. J. Lewis, M.A., and Prof. du Toit Malherbe, M.A., Ph.D.
Geology I. ....	Mr. A. W. Rogers, M.A., and Prof. R. B. Young, M.A., B.Sc.
Geology II. ....	Mr. A. W. Rogers, M.A., and Prof. R. B. Young, M.A., B.Sc.
Botany I. ....	Mr. I. B. Pole Evans, B.A., B.Sc., and
Botany II. ....	Mr. I. B. Pole Evans, B.A., B.Sc., and
Biology (Botany) ....	Mr. I. B. Pole Evans, B.A., B.Sc., and
Zoology I. ....	Dr. Warren, D.Sc., and Dr. J. C. Mitchell, D.Sc., M.B.C.M.
Zoology II. ....	Dr. Warren, D.Sc., and Dr. J. C. Mitchell, D.Sc., M.B.C.M.
Biology (Zoology) ....	Dr. Warren, D.Sc., and Dr. J. C. Mitchell, D.Sc., M.B.C.M.

HONOURS EXAMINATION.

Mathematics I. ....	Prof. Brown, M.A., B.Sc., and Prof. Woolston, B.A.
Mathematics II. ....	Mr. E. T. Littlewood, M.A., B.Sc., and Prof. Woolston, B.A.
Mathematics III. ....	Prof. Brown, M.A., B.Sc., and Prof. Ogg, M.A., B.Sc., Ph.D.
Mathematics V. ....	Mr. E. T. Littlewood, M.A., B.Sc., and Prof. Woolston, B.Sc.
Applied Mathematics	Prof. Lehfeldt, D.Sc., and Mr. D. Williams, B.Sc.
Physics I. ....	Prof. Lehfeldt, D.Sc., and Mr. D. Williams, B.Sc.
Physics II. ....	Prof. Lehfeldt, D.Sc., and Mr. D. Williams, B.Sc.
Chemistry I. ....	Mr. J. M. Crofts, M.A., B.Sc., and Mr. J. Lewis, M.A.
Chemistry II. ....	Mr. J. M. Crofts, M.A., B.Sc., and Mr. J. Lewis, M.A.
Botany I. ....	Mr. I. B. Pole Evans, B.A., B.Sc., and Prof. Schönland, M.A., Ph.D.
Botany II. ....	Mr. I. B. Pole Evans, B.A., B.Sc., and Prof. Schönland, M.A., Ph.D.
Zoology I. ....	Prof. Duerden, M.Sc., Ph.D., and Dr. J. C. Mitchell, D.Sc., M.B.C.M.
Zoology II. ....	Prof. Duerden, M.Sc., Ph.D., and Dr. J. C. Mitchell, D.Sc., M.B.C.M.
Geology I. ....	Mr. A. W. Rogers, M.A., and Prof. R. B. Young, M.A., B.Sc.
Geology II. ....	Mr. A. W. Rogers, M.A., and Prof. R. B. Young, M.A., B.Sc.

IX. LAW CERTIFICATE AND CIVIL SERVICE LAW EXAMINATIONS.

Committee.

- Dr. P. C. Anders, B.A., LL.D.
- Advocate Murray Bisset, B.A., LL.B.
- Advocate P. S. T. Jones, B.A., LL.B.
- Advocate Joubert, B.A., LL.B.
- Advocate Rainsford, B.A., LL.D.
- Advocate Tindall, B.A., LL.B.

Special Examiners.

- Transvaal Statute Law ... Advocate Manfred Nathan, B.A., LL.D.
- Orange River Colony Statute Law... Mr. Justice Ward, LL.D.
- Natal Statute Law ... Advocate Tatham, K.C.

Chairman: Sir John Buchanan, LL.D.

\* Appointment to be made later.

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## X. LL.B. AND CIVIL SERVICE HIGHER LAW EXAMINATIONS.

*Committee.*

Mr. Justice Kotze, LL.B.  
 Mr. Justice Laurence, B.A., LL.D.  
 Mr. Justice Ward, LL.D.  
 Mr. Justice Wessels, B.A., LL.B.

*Special Examiners.*

Transvaal Statute Law ... .. Mr. Justice Curlewis, B.A., LL.B.  
 Orange River Colony Statute Laws. Mr. Justice Ward, LL.D.  
 Chairman: Sir John Buchanan, LL.D.

## XII. MUSIC EXAMINATIONS.

Written Examinations: Dr. Arthur J. Greenish, Mus. Doc.  
 Dr. Charles Wood, M.A., Mus. Doc.

Practical Examinations: Mr. Marmaduke Barton.  
 Mr. Oscar Beringer.  
 Mr. Charles F. Reddie.  
 Mr. Herbert F. Sharpe.

30.

The following memorandum with reference to the Third and Final Mining Examinations (New Scheme) was submitted by the Registrar:

Memorandum  
 re 3<sup>rd</sup> and final  
 Mining Exam-  
 inations

At the last meeting of the Council it was resolved that the authorities of the Transvaal University College be approached with a view to the holding of a conference to consider the question of joint examinations (Third and Fourth Years) for the Cape and Transvaal Diplomas in Mining Engineering.

A letter on that subject was accordingly addressed in November last to the Registrar of the Transvaal University College and the following reply was received:

Johannesburg,  
 30th Dec., 1907.

Sir,

In reply to yours of the 18th November, the matter of a Conference on the subject of Mining Examinations was considered at a meeting of the Board of Studies held on the 26th November, and the Board resolved that no good purpose could be served by entering into such a Conference at the present time. I was asked to point out that the number of students coming forward from the Cape for the Mining Courses at the College are now so few in number that it appears to be hardly worth while to specially legislate in their interests. If a remedy must be found for their case, the Board of Studies asks me to call your attention to your communication of the 8th May of last year, wherein you refer to an amended scheme which was adopted provisionally by your Council. The adoption of this scheme would afford the solution required. The report of the Board of Studies on this question was approved by my Council at its meeting held on the 27th instent.

I have, etc.

(Sgd.) J. Robinson,  
 Registrar.

As explained in my previous Memorandum the suggestion for a Conference was made with a view to minimising the hardships which the Cape candidates have to undergo by reason of their having to take in each year two examinations, one for the Transvaal Diploma and the other for the University Diploma.

No mention was made in that Memorandum of the question of expense, but that is an aspect of the question that should not be overlooked. The cost of conducting each examination is about £150, and as the number of candidates for 1908 cannot be more than about a dozen, it will be seen that the cost of each candidate's examination will be about £25. As the fee for each candidate is only £6 the University would lose about £20 per candidate.

The simplest way out of the difficulty would be to adopt Mr. Robinson's suggestion that the University revert to its proposal agreed to in 1906, but subsequently withdrawn, namely,

"That candidates who pass the First and Second Mining Examinations of the University, and subsequently take third and fourth years' courses in



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Mining at some recognised mining school to the satisfaction of the authorities of the School, and of the University Council, be entitled to have the diploma in Mining Engineering of this University."

It was resolved that the matter be referred to a Committee, the Committee to consist of Professor Beattie, Professor Hahn, Professor Morrison and Professor Mackenzie and to report at the May 8 meeting.

With reference to the new Matriculation Scheme to come into force in 1909, it was resolved that the length of the composition which is to form part of the examination in each of the modern languages be about 120 words.

The following memorandum with reference to the regulations with regard to condonations in cases of slight failure was submitted by the Registrar:

Two years ago it was decided that cases in which candidates obtain the required aggregate but fail only in one subject, or group of subjects for which there is a separate minimum, provided the deficiency does not exceed 10% of the minimum in the subject or group of subjects, be dealt with in two ways as follows:

- (A) The failure is at once condoned if the Candidate's aggregate is
- not less than 45% of the total marks (This applies to the School Higher, Matriculation and Intermediate Examinations)
  - not less than 50%, where the aggregate for a pass is 40%
  - not less than 60% where the aggregate for a pass is 50%
- (B) In all other cases the papers concerned are referred back to the examiners for reconsideration.

As will be seen from the statistical table in Section 1, the number of cases condoned under (A) was as follows:

School Higher	26
Matriculation	3
Final Mining	1

While the procedure under (A) seems to work satisfactorily, this year's experience has shown that the procedure under (B) requires reconsideration, more especially in the case of the School Higher and Matriculation Examinations.

In the case of the School Higher 73 papers were referred back to the examiners, with the result that in 33 cases the marks were raised to the minimum required for a pass.

The details of the 33 cases are as follows:

		English: Minimum required (100)											
Original Marks		99	99	98	97	95	93	95	99	99	98		
Added by Examiners		3	1	4	3	5	2	6	1	3	3		
		97	97	98	97	99	99						
		3	3	4	6	1	2						
		Arithmetic: Minimum required (100)											
Original Marks		97	98	90	96	99	93	93	97	97	99		
Added by Examiners		3	2	17	4	3	7	8	5	6	3		
		99	95	96									
		2	10	4									
		Latin: Minimum					Mathematics: Minimum						
		75					75						
Original Marks		72					71						
Added by Examiner		8					7						
							69						
							6						
							70						
							11						

Length 31.  
Modern Lang.  
usage Composition  
in Matriculation  
Examination  
new 32.  
scheme.

Memorandum  
re condon-  
ation.

In the case of the Matriculation Examination 35 papers were referred back to the examiners with the result that in 20 cases the marks were raised to the minimum required for a pass.

The details of these 20 cases are as follows:

		<u>Algebra:</u>								
Minimum		60								
Original Marks		55	59	58	59	56	58	59	58	58
Added by Examiner		5	1	2	1	4	2	1	2	2
Minimum		<u>English &amp; Dutch:</u>				Minimum		<u>Dutch:</u>		
		166						40		
Original Marks		163	163					38	39	
Added by Examiner		3	3					2	1	
Minimum		<u>German:</u>				Minimum		<u>French:</u>		
		40						40		
Original Marks		38						38		
Added by Examiner		5						2		
Minimum		<u>Geometry:</u>				Minimum		<u>Latin:</u>		
		60						40		
Original Marks		55	59	57	55			37		
Added by Examiner		5	1	3	5			3		

An examination of the above figures will show that an allowance equal to 5% of the required minimum would have disposed of 80 per cent. of the cases. This would have expedited the publication of the results in the case of both examinations by at least a week, and would at the same time have saved the examiners a great deal of inconvenience.

I have therefore to suggest that in the case of candidates at the School Higher and Matriculation Examinations who obtain third-class aggregates, failure in a subject, or group of subjects, be condoned to the extent of 5% of the minimum required.

The objections to the procedure under (B) which have been referred to in the case of the School Higher and Matriculation Examinations do not apply to the Intermediate and other examinations and I would not recommend any change in the case of the latter.

It was resolved that the suggestion as set forth in the words underlined be adopted.

33. With reference to the marks in Applied Mathematics in the amended B.A. Scheme, it was resolved that for this year the minimum of 150 be obtainable from the written and practical work combined but that the question of a separate minimum in the two parts of the examination be referred to the Science Committee for Report.

34. The following letter from the Rev. J. M. Soren, Inspector of Schools, with reference to the addition of Kafir to the list of Modern Languages at the Intermediate Examination was read and referred to the Literature Committee:

Minimum in Applied Mathematics.

Kafir at the Intermediate Examination



Railway Station: ALICE.  
Telegraph Office: LOVEDALE.  
All communications to be addressed to the  
... PRINCIPAL ...



*W. V. Schreiner Esq*  
*Kindly return this when read*  
*CAS*

Lovedale,  
SOUTH AFRICA.

6th May, 1908.

Sir Abercrombie Smith,  
St Cyrus,  
Wynberg.

9-4-08

Dear Sir,

I beg to acknowledge the receipt of your letter of the 29th ult regarding the University nominees to the Council of the Inter State Native College.

The members of the Executive Board with whom I have been able to consult since receiving your letter are entirely at one with you in their conviction of the great desirability of having Mr Schreiner as one of the University nominees, and we do not see that the difficulties he has stated are at all insurmountable.

As several members of the College Council are members of the Cape Parliament it seems likely that the first meeting will have to be at Cape Town, if it is held in June or July. Future meetings will no doubt be arranged both in point of time and place to suit members of the Cape Parliament. Even if Mr Schreiner could not be present at the first meeting his guidance at future meetings would be invaluable.

We are strongly desirous to see Professor Marais also upon the Council. He would be an immense strength to the organisation. I hardly know any other two men than Mr Schreiner and Professor Marais that would be of more assistance to the scheme at its present stage.

In addition to saying that the convenience of members of Council as to date and place of meetings will be consulted I should add that of course the expenses of members of Council attending these meetings will be met.

I am, yours sincerely, James Hudson



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Dutterworth,  
8th February, 1908.

Sir,

I have the honour to forward the enclosed letter from Mr. Cyril Thompson, who took third place in the Matriculation Examination this year, and who wishes if possible to be allowed to take Kafir as his modern language for the Intermediate Examination.

I shall be glad if you will bring his request before the University Court for their decision, I believe that Mr. Thompson intends to study for the legal profession.

I do not feel that I have any right to make any recommendation or express any opinion on the matter, so I content myself with merely forwarding Mr. Thompson's letter.

I have, etc.

(Sgd.) James McLaren.

Dear Mr. McLaren,

I write to seek your aid and influence in a matter which concerns me.

I intend trying for the Intermediate Examination at the end of this year. Amongst the subjects for this examination Kafir is not mentioned. Dutch, French & German are, however.

I think that you will agree with me that this is not exactly fair seeing that these subjects are on a par with Kafir in the Matriculation.

I can only account for this by the fact that probably no one has ever before wanted to take Kafir in this examination.

Harder Kafir than one gets in the Matriculation there certainly is.

(Sgd.) Cyril N. Thompson.

35.

The following letter from the Chairman and Secretary of the executive board, Interstate Native College, Tontale was submitted:

12th February, 1908.

Sir,

We have the honour to enclose a resolution which was passed at a recent Conference of Representatives of the Founders of the Interstate Native College, and are instructed by the Executive Board appointed by this Conference to invite the Council of the University of the Cape of Good Hope to nominate two representatives to the Governing Council of the College.

It is proposed to build the College at Fort Hare. Alice, and the Executive Board are trustees for a sum of about £45,000 which has so far been given or guaranteed towards its establishment. The College will at the outset depend for its maintenance mainly upon grants from the South African Governments and students' fees. The work of the Institution will include in time an Arts course, a Higher Grade Teachers' Course, a School for Agriculture and other training for which the need may arise.

Glasses in connection with the College will be started as soon as buildings are available, and it is desirable that the full Governing Council be constituted as early as possible in order to deal with the business connected with the organisation of the College.

Members of the Governing Body appointed by the University will hold office for a period of years subject to determination by the Constitution of the College.

We have, etc.

(Sgd.) James Henderson,  
K.A. Hobart Houghton.

See also inset.



Invitation  
by Executive  
Board of Inter-  
state Native  
College to  
appoint two  
representatives  
to the Governing  
Council of  
the College.



## GRADUATES—(Continued).

## IV.—DEGREE OF BACHELOR OF LAWS.

1. Blackwell, Leslie, B.A., Transvaal University College, Johannesburg.
2. Greenberg, Leopold, B.A., Transvaal University College, Johannesburg.
3. Welsh, Alexander Simpson, B.A., Rhodes University College, Grahamstown.
4. Orpen, Theodore Ceell, B.A., Private Study, Barkly East.
5. Horak, Isaac Gerhardus, B.A., Private Study, Fouriesburg.
6. Walker, Raymond Holford, B.A., Rhodes University College, Grahamstown.
7. Chubb, Walter George, B.A., Private Study, East London.
8. Pienaar, Andries Jacobus, B.A., South African College, Cape Town.
9. Caldwell, John Preston, B.A., Private Study, Cape Town.
10. Taute, John Godfrey, B.A., Private Study, Prince Albert.
- \*11. Sanders, Harry, B.A., Rhodes University College, Grahamstown.

## V.—DEGREE OF BACHELOR OF SCIENCE IN MINING ENGINEERING.

Jones, Sidney.

Logie, Ronald William,

McAlister, Alister Gordon.

Midgley, John George.

## VI.—DEGREE OF DOCTOR OF SCIENCE.

- \* Juritz, Charles Frederick, M.A.

Thesis:—"A Study of the Agricultural Soils of Cape Colony."

## C.

## GRADUATES OF OTHER UNIVERSITIES

Admitted to *ad eundem* Degrees.

[The Graduates in the following lists whose names are not marked with an asterisk have requested to be excused from attendance or have failed to signify their intention of being present.]

## I.—DEGREE OF MASTER OF ARTS.

- Allison, John Schiller, M.A., Edinburgh.
- \* Bowles, Walter Cullen, M.A., Cambridge.
- Cole, Rev. Hugh Basil, M.A., Cambridge.
- Conlin, William, M.A., Dublin.
- Crawford, Alfred, M.A., Dublin.
- Druce, Philip Milton, M.A., Cambridge.
- Dutbie, John, M.A., Aberdeen.
- Gardner, Rev. Thomas, Ph.D., Gregorian University, Rome.
- Hofmeyr, Willem Hendrik, M.A., Cambridge.
- Johanny, Rev. Francis, Ph.D., Gregorian University, Rome.
- Macdonald, George, M.A., Aberdeen.
- Nicot, Rev. Victor, Ph.D., Gregorian University, Rome.
- \* Pearsall, Charles William, M.A., Cambridge.
- Robertson, Prof. George, M.A., Edinburgh.
- Ruck, Rev. Charles Edmund, M.A., Durham.
- \* Snell, Florence May, M.A., Oberlin Coll., U.S.A.

## II.—DEGREE OF BACHELOR OF ARTS.

- \* Jarvis, Cyril Chester, B.A., Oxford.
- McKinley, John, B.A., R.U., Ireland.
- \* Morgan, William, B.A., Dublin.
- Rawnsley, George Tennant, B.A., (LL.B.), Cambridge.
- Thomas, Crabtree, B.A., London.
- Woolston, Prof. James Hawthorn, B.A., Cambridge.

## III.—DEGREE OF MASTER OF SCIENCE.

- \* Gibbons, Vernetta Lois, M.Sc., Chicago.
- Potts, Prof. George, Ph.D. Halle, (B.Sc. Durham).

## IV.—DEGREE OF BACHELOR OF SCIENCE.

- \* Ritchie-Scott, Alexander, B.Sc., Edinburgh.

## V.—DEGREE OF DOCTOR OF MEDICINE.

- \* Marais, David Pieter, M.D., Edinburgh.

UNIVERSITY

ORDER OF PROCEDURE.

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GOD SAVE THE KING :

God Save our Gracious King,  
Long live our Noble King.  
God Save the King.  
Send him victorious,  
Happy and Glorious,  
Long to reign over us,  
God Save the King.

---

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- A. The Vice-Chancellor will inaugurate the proceedings by constituting the Congregation.
- B. The Graduates and Undergraduates who are to be presented to the Vice-Chancellor will be introduced in the following order :
- I. Undergraduates who have passed the Matriculation Examination in the First Class.
  - II. Undergraduates who have passed the Intermediate Examination in Arts.
  - III. Graduates.
- [For Names, see over.]
- C. The Hon. Mr. Justice Wessels, B.A., LL.B., will address the Congregation.
- D. The Vice-Chancellor will dissolve the Congregation.
- 20th FEBRUARY 1908



## UNDERGRADUATES—(Continued).

### II—Undergraduates who have passed the Intermediate Examination in Arts

#### CLASS I. (Complete List.)

[The Undergraduates in this list whose names are not marked with an asterisk have either requested to be excused from attendance or have failed to signify their intention of being present.]

- |   |   |
|---|---|
| 1. Sutherland, George Arthur, Rhodes University Coll., Grahamstown.           | University Exhibition.  |
| *2. Hofmeyr, Jan Hendrik, S.A. Coll., Cape Town.                              | University Exhibition.  |
| *3. Kotzé, Carl Albrecht Haupt, S.A. Coll., Cape Tn.                          | University Exhibition (Honorary) and Natal Home University Scholarship.             |
| 4. Skinner, Conrad Arthur, Durb. H. Sch., Durban.                             |   |
| 5. Van der Brugge, Hugo Wilhelmus Johannes, Private Study, Pretoria.          |   |
| *6. Louw, George Åling, S.A. Coll., Cape Town.                                | University Exhibition.  |
| *7. Stein, Philip, S.A. Coll., Cape Town.                                     | University Exhibition.  |
| *8. Cohen, David, S.A. Coll., Cape Town.                                      | University Exhibition (Honorary) and Queen Victoria Memorial Scholarship for Girls. |
| *9. Thomson, Dorothy May, Dio. Coll., Rondebosch.                             | University Exhibition.  |
| *10. De Vos, Gideon Jacobus, Vic. Coll., Stellenbosch.                        | University Exhibition.  |
| *11. Jackson, Frederick Stanbridge, Dio. Coll., Rondebosch.                   | University Exhibition.  |
| 12. Munscheid, Gertrude Anna Augusta, Rhodes University College, Grahamstown. |   |
| 13. Heathcote, George Francis Palmer, Rhodes University College, Grahamstown. |   |
| 14. Ferguson, Alexander Lamont, Rhodes Univ'y. College, Grahamstown.          |   |

#### CLASS II.

[This List contains only the names of those who have intimated their intention of being present.]

- |   |   |
|---|---|
| Beck, Charles Arthur, Private study, Bloemfontein.    | Millin, David, S.A. Coll., Cape Town.                   |
| Boshoff, Hendrik Andreas, Vic. Coll., Stellenbosch.   | Müller, Abram, Michael, Huguenot Coll., Wellington.     |
| Fincham, Edna Lambert, S.A. Coll., Cape Town.         | Murray, Menzies, Vic. Coll., Stellenbosch.              |
| Franks, Max, S.A. Coll., Cape Town.                   | Röeher, Justus Christian, Vic. Coll., Stellenbosch.     |
| Hands, Philip Albt. Myburgh, Dio. Coll., Rondebosch.  | Schreiner, Oliver Deneys, S.A. Coll., Cape Town.        |
| Helm, Peter Hny, de Villiers, S.A. Coll., Cape Town.  | Strasheim, Johannes Jacobus, Vic. Coll., Stellenbosch.  |
| Kreft, Hermann Heinrich Gerhard, S.A. Coll., Cape Tn. | Tucker, Beatrice Mary, S.A. Coll., Cape Town.           |
| Leibson, Abraham, S.A. Coll., Cape Town.              | Van Zijl, Jacobus Pieter, Vic. Coll., Stellenbosch.     |
| Loubser, Matthijs Michiel, Vic. Coll., Stellenbosch.  | Wahl, Christian Arnold, S.A. Coll., Cape Town.          |
| Louw, Paul Louis, Vic. Coll., Stellenbosch.           | Wannenburg, Pieter Brooshoof, Vic. Coll., Stellenbosch. |
| Malan, David Edward, Vic. Coll., Stellenbosch.        |   |

#### CLASS III.

[This List contains only the names of those who have intimated their intention of being present.]

- |   |   |
|---|---|
| Ackermann, Wilhelmus Dan., Vic. Coll., Stellenbosch.              | Louw, Jan Daniel, Vic. Coll., Stellenbosch.                     |
| Albertijn, Casper Pieter, Vic. Coll., Stellenbosch.               | Lutz, Frederich Gerhard, Vic. Coll., Stellenbosch.              |
| Arnold, Friedrich Wilhelm, Vic. Coll., Stellenbosch.              | Malan, Cornelius Pieter de Leeuw, Huguenot Coll., Wellington.   |
| Bergh, Olof Marthinus, Vic. Coll., Stellenbosch.                  | Malan, François Stephanus, Vic. Coll., Stellenbosch.            |
| Coaton, Charlotte, Huguenot Coll., Wellington.                    | Malherbe, Isaac de Villiers, Vic. Coll., Stellenbosch.          |
| Coetzee, Petrus Stefannus Zacharias, Vic. Coll., Stellenbosch.    | Meyers, Lodewijk Charles, Rhodes University Coll., Grahamstown. |
| Cole, Alfred Herbert, Dio. Coll., Rondebosch.                     | Mitton, James Bertram, Gill College High School, Somerset East. |
| Conradie, Aletta Francina, Vic. Coll., Stellenbosch.              | Morris, Herbert Stanley, S.A. Coll., Cape Town.                 |
| Dreyer, Catharina Gertruida Clarissa, Huguenot Coll., Wellington. | Pellissier, Mabel Martha, Hug. Coll., Wellington.               |
| Du Buisson, Johannes Petrus, Vic. Coll., Stellenbosch.            | Pienaar, Jan Abraham, Vic. Coll., Stellenbosch.                 |
| Du Preez, James Louis, Vic. Coll., Stellenbosch.                  | Protorius, Hendrik Stephanus, Vic. Coll., Stellenbosch.         |
| Eagar, Inez Margaret Rodwell, Huguenot Coll., Wellington.         | Rosenberg, Norman, Marist Bros' Coll., Jo'burg.                 |
| Fuller, Thomas Arthur, S.A. Coll., Cape Town.                     | Roux, Pierre, Gill Coll. High School, Somerset East.            |
| Hall, Robert Lancelot, S. A. Coll., Cape Town.                    | Russouw, Isaac Jozua, Vic. Coll., Stellenbosch.                 |
| Harris, Seymour Paul, Univ. Tutrl. Classes, Cape Tn.              | Schoon, Willem Frederik, Private Study, Ladysmith.              |
| Hart, Norman de Villiers, Dio. Coll., Rondebosch.                 | Stals, Andries Jacobus, Vic. Coll., Stellenbosch.               |
| Helmann, Herman Paul, S.A. Coll., Cape Town.                      | Van Aarde, Moorrees, Vic. Coll., Stellenbosch.                  |
| Honey, Reginald, Dio. Coll., Rondebosch.                          | Van der Westhuizen, Michiel Johannes, Vic. Coll., Stellenbosch. |
| Hunter, Patrick William, S.A. Coll., Cape Town.                   | Van Heerden, Carl Sebastiaan, Vic. Coll., Stellenbosch.         |
| König, Charlotte, Huguenot Coll., Wellington.                     | Zuidmeer, Johannes Cornelis, Vic. Coll., Stellenbosch.          |
| Kriel, Timotheus, Vic. Coll., Stellenbosch.                       |   |
| Lategan, Andries Hendrik, Vic. Coll., Stellenbosch.               |   |
| Le Roux, Raimond Emile, S.A. Coll., Cape Town.                    |   |

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INTER-STATE NATIVE COLLEGE SCHEME.

Extract from Minutes of Conference, October 2nd, 3rd, 4th, 1907, held in Chamber of Commerce, King Wm's Town.

## Present:

Col. Grewe, Col. Stanford, Mr. Weir, Mr. Thompson, Mr. Sauer, Mr. Henderson, Mr. Macvicar, Mr. Houghton, Mr. Mamba, Mr. Gasa, Mr. Lehana, Mr. Jahavu, Mr. Knox Bokwe, Mr. Wauchope, Mr. Bud-M'belle, and Mr. Mapikela.

- V. That the College at the commencement shall be under the control of a Council consisting of European and Native representatives of the original contributors; of representatives of all Governments providing annual subsidies; of South African University representatives; of representatives of participating Churches, and a representative or representatives of secondary schools preparing students for the entrance examination; that the Head of the College shall be Ex-officio a member of the Council and that the Council shall have plenary powers to deal with the curricula, finance and general management of the College.

(Sgd.) K.A. Hobar, Houghton,  
Hon. Secretary.

It was resolved that the invitation to appoint two representatives to the governing Council of the College be accepted and that the appointments be made at next meeting of the Council.

36. Application by over age candidate at Intermediate for special exhibition  
A letter from an over-age candidate who obtained the third place at the Intermediate Examination praying the Council to take his circumstances into consideration and to award him a special exhibition or prize was allowed to stand over until next meeting.

37. Exemption from Advanced Piano-forte Examination  
Applications for admission to the Music Teachers' Examination without passing the Advanced\* Piano-forte Examination were granted in the case of two candidates who had passed the corresponding Examination of the Associated Board in England.

\* Miss Ellen Isabelle Stevenson.

C. M. M. M. M. M.  
Vice-Chancellor







superfluous no doubt, but much prized... The mental culture the study by some...

TEACHERS FOR THE COUNTRY'S NEEDS.

It is high time when we aspire to a federation of the Colonies that we start planning to do so...

THE VALUE OF THE MODERN LANGUAGES.

How many in this assembly have looked at a Latin or Greek class in the original since their school days? I venture to say, very few...

THE SCOPE OF THE UNIVERSITY.

I now pass over to my principal theme. Is our University doing its utmost to help the intellectual development of Africa?

The youth of South Africa to be educated men endowed with knowledge of some special subject in order to fit them for the struggle of life.

FREE TRADE IN EDUCATION.

The intellectual development of the large majority of men is painfully slow, but every century witness the field of human knowledge is being enlarged...

Our motto for the South African University should be that of the Italian Republic: "Grandi fatti, grandi mezzi." (Great facts, great means.)

MODERN METHODS.

Even Universities are subject to the inexactness of tradition, and the perfection-to-day becomes a matter of to-morrow. As the education of South Africa depends largely upon the syllabus of our University, we should endeavor to exclude as far as possible all learning is excluded whether it be old or new.

TOWARDS A TEACHING UNIVERSITY.

Each part of South Africa, therefore, will require a different scientific education for its youth, and it is, to my mind, the duty of the University to take the scope as wide that it can embrace...

A UNIVERSITY FOR SOUTH AFRICA.

Newly-fledged graduates from Oxford and Cambridge may sneer at the South African University, and other Colonies, the Dipsos, and other Colonies, but we, who know the work they are doing, will see the men they have produced and are proud of them.

THE APPLIED SCIENCES.

The University should recognize not only the theoretical sciences, but the applied sciences as well. We should recognize a Bachelor of Arts and a Bachelor of Science, but refuse to admit a Bachelor of Agriculture, with the exception of the reason that agriculture, as a science, is extremely ancient, is new as a science, and is older than the others are old.



for these, as well as for those students who belong to no special institution, an examining body will be required. South Africa, therefore, will always have many different centres from which secondary and higher education will flow. The fact, too, that we do not constitute one Colony, but a number of independent Colonies, tends to multiply the points from which education will radiate. This being so, it is highly advisable that there should be one important federal body whose degrees should be recognised. If we succeed in affiliating our present large colleges to the university, we shall obtain a teaching, though not a residential, university. This will be a great step in the right direction, and I hope that its accomplishment is not far distant. There can, however, be no doubt that there does exist the need of some great institutions in South Africa where students can rub shoulders with one another, and where our future teachers and our future experts can be taught, and where research work can be carried on for the benefit of the whole of South Africa. I hope one day to see such institutions for carrying on research work and education beyond the mere degree.

#### THE ULTIMATE IDEAL.

Then, however, comes the momentous question: Where? Every large town in South Africa will be a claimant for the honour. Whatever rights other places may be able to assert, there is one place which is eminently fitted to be a university town. Its surroundings are imposing and beautiful. It boasts of traditions such as no other town in South Africa can boast of. The sea brings it nearest to the great centres of our civilisation. Though my home is in the Transvaal, I do not hesitate to express the opinion that if ever we start the idea of great teaching institutions of a University character, the site of the first one should be somewhere near Cape Town, under the shadows of Table Mountain. (Cheers.) It is quite possible that in the future South Africa may require more than one great teaching institution to train her experts and her teachers. If so, it seems preferable that each should form a part of the greater whole—the University of South Africa—than that each should become a separate degree conferring body. There would then be one great University, with teaching branches and examining branches, and its graduates would not be graduates of the University of the Cape Colony or of the Transvaal, or of the Orange River Colony, Natal, or Rhodesia, but graduates of the University of South Africa. In precisely what manner such a scheme should be carried out it is futile to suggest at present, but whatever the scheme may be, the prestige of our University should ever be increased and never diminished.

I shall now close this somewhat lengthy address by congratulating you who have graduated and matriculated upon the honours conferred upon you. Of this you may be certain—the degree conferred upon you is equal to that granted by any examining institution in English-speaking lands. To have obtained a degree in our University is a distinction which is recognised throughout South Africa, and will soon, I hope, be respected throughout the Empire. The future value of the degree depends very largely upon your conduct and your aspirations. It is customary on such occasions to point out to those who have achieved success that they are only on the lowest rung of the educational ladder. I have no intention of enveloping you in such wet blankets. The success you have achieved has been the result of strenuous hard work, for without that you would not have gained the honours conferred upon you. If you devote the same energy and the same determination to your future undertakings, success is bound to come your way. To have obtained a degree is to have done meritorious work, and I heartily congratulate you all. May the same success attend you in all your future undertakings. (Loud cheers.)

The Vice-Chancellor expressed the thanks of the University to Mr. Justice Wessels and to H.E. the Governor, and then formally dissolved the congregation.

The proceedings terminated with the singing of the National Anthem.