

UNION-CASTLE STEAMSHIP LINE.

ENGLAND TO NATAL, AND RETURN FROM CAPE TOWN.

NET FARES FOR MEMBERS AND GUESTS OF THE
BRITISH ASSOCIATION.

Grade	Tariff Fare	Less 30 per cent. Official Members	Less 25 per cent. Ordinary Members and Guests	
	£ s. d.	£ s. d.	£ s. d.	
North to Outer Cabin, Up Deck A1	93 0 6	65 2 4	69 15 4	Mail Steamer 1st Class
North to Inner Cabin, Up Deck A2	85 9 6	59 16 8	64 2 2	
North to Outer Cabin, Main Deck A3	83 11 6	58 10 2	62 13 8	
North to Inner Cabin, Main Deck A4	76 0 6	53 4 4	57 0 5	
North to Outer Cabin, Up Deck B1	69 6 0	48 10 3	51 19 6	Intermediate Steamer 1st Class
North to Outer Cabin, Main Deck B3	65 10 6	45 17 4	49 2 10	
North to Inner Cabin, Main Deck B4	59 17 0	41 17 9	44 17 9	
North to Outer Cabin, Up Deck D1	59 0 0	41 6 0	44 5 0	Mail Steamer 2nd Class
North to Outer Cabin, Main Deck D3	55 4 6	38 13 2	41 8 5	
North to Inner Cabin, Main Deck D4	51 9 0	36 0 6	38 11 9	
North to Outer Cabin, Up Deck E1	52 6 0	36 12 3	39 4 6	Intermediate Steamer 2nd Class
North to Outer Cabin, Main Deck E3	48 10 0	33 19 0	36 7 6	
North to Inner Cabin, Main Deck E4	46 12 6	32 12 9	34 19 5	

RAILWAY FARES IN SOUTH AFRICA.

Half-Fares, payable by Members of the British Association who do not hold free passes over the South African Railways.

(N.B.—The arrangements regarding the Rhodesian Railways and the railway to Beira are subject to confirmation.)

	First Class	Second Class
	£ s. d.	£ s. d.
I. DURBAN to DE AAR (including the visits to Pietermaritzburg, Johannesburg, Bloemfontein, and all intermediate stations) Single	4 10 7	3 7 4
II. DE AAR to VICTORIA FALLS (including the visits to Kimberley and Bulawayo, and all intermediate stations) Return	11 12 0	8 5 2
III. DE AAR to CAPE TOWN Single	2 9 8	1 16 4
NOTE.—For Members returning home <i>via</i> Beira, the railway fare from Bulawayo to Beira is:—		
First Class	54 17 2	
Second Class	23 4 8	
	18 12 3	13 8 10

GENERAL EXPENDITURE.

The minimum cost of a Member attending this Meeting may be calculated roughly at between £1. 10s. and £2 *per diem*, exclusive of personal expenditure and ocean passages. This calculation excludes private hospitalities and free-passes on railways.

The following estimates have been compiled for the information of Members, and are given under all reserve:

For 1st Class Hotels	allow 25s. <i>per diem</i> .	
" 2nd " "	" 18s. " "	
Say, 36 days at 25s.)	Hotels or trains	£45 0 0
" " " 18s.)		£32 8 0

Thus, apart from the cost of the *return* steamer-fare to Cape Town and the *single* steamer-fare to Durban, the total expenditure in South Africa may be calculated at £63. 12s. 3d. *First Class*, or at £45. 16s. 10d. *Second Class*. Incidental expenses may be reckoned at not more than £10. Meals on train vary between 7s. 6d. and 9s. *per diem*.

TELEGRAMS AND LETTERS.

The abbreviated telegraphic address of the British Association is "IGDRASIL, LONDON." During the period July 29—September 20, cables addressed *c/o* "Igdrasil, Capetown," will be delivered to Members attending the Meeting in South Africa; and "British Association Reception Room, Cape Town, South Africa," will be the postal address.

HINTS TO TRAVELLERS.

The visit of the British Association to South Africa will coincide with the Spring season of the Southern Hemisphere. On the Outward and Homeward passages, light clothing will be found necessary in passing through the Tropics; and the absence of laundry facilities on board ship should be borne in mind. English summer clothing of light texture and colour, and soft, wide-brimmed hats, are commonly worn in South African towns. Rain and humidity may be experienced in Cape Colony, and possibly in Durban; whilst, on the high-plateau, the prevailing dry season should ensure bright days and cold nights—the diurnal variations of temperature being very considerable. Dust storms may be encountered; and protection against dust on the railways is desirable. Warm underclothing is essential in these sub-tropical regions, as a protection against chills. Visitors to the Zambesi may require sun-helmets and mosquito-nets.

LITERATURE AND MAPS.

Handbooks are being prepared by the Local Committees, for presentation to Members; but those who wish to renew their acquaintance with the geography of South Africa may consult with profit the following, among other less general works: *Brown's Guide to South Africa* (Sampson Low & Co.); *Stanford's Compendium: South Africa* (11s. 3d. net). Copies of *The Guide to South Africa*, price 2s. net, may be purchased at the Steamship Office, or on personal application at the Rooms of the British Association.

The undermentioned large-scale maps of South Africa, with the routes clearly marked, have been specially prepared by Messrs. John Bartholomew & Co., Edinburgh. Copies, mounted on cloth, may be obtained by Members who order direct from Messrs. Bartholomew, enclosing a Postal Order, or who apply *personally* at the Rooms of the Association.

1. *New Map of Central and South Africa* (1 : 5,600,000), with inset plans of principal towns, and showing route to Victoria Falls and Beira. Price 3s. net.
2. *Tourist's Map of South Africa* (1 : 2,500,000), showing route in Cape Colony, Orange River Colony, and Transvaal. Price 3s. net.

A. SILVA WHITE, *Assistant Secretary*.

British Association for the Advancement of Science.

MEETING IN SOUTH AFRICA, 1905.

The British Association will assemble at Cape Town on August 15, 1905, on the invitation of the South African Colonies. Representatives of Science and guests of the Association have been invited by the Council to join the Official Party, the nucleus of which comprises the General and Sectional Officers for this Meeting and the President.

The Inaugural Meeting will be held at Cape Town on August 15, when the President will deliver an address. The concluding Meeting will be held at Johannesburg on September 1, when the work of the Sections will terminate. The Sections will meet on three days (August 16, 17, 18) at Cape Town, and on three days (August 29, 30, 31) at Johannesburg. Lectures will be delivered, and Receptions held, at the following towns, namely: Cape Town, Durban, Pietermaritzburg, Johannesburg, Pretoria, Bloemfontein, Kimberley, and Bulawayo.

Opportunities will be offered for visiting the Natal battlefields and other places of interest in South Africa, on the route laid down in the Official Itinerary; and, on the conclusion of the ordinary work of the Association, a party or parties will be made up to visit the Victoria Falls (Zambesi). The entire tour will occupy not less than 70 days, returning *via* Cape Town; and not more than 80 days, *via* Beira, in the event of an adequate number of Members undertaking to join the special steamer which will return by the East Coast Route (Suez Canal).

Any important change, correction, or additional information will be advertised in *Nature* of July 13.

MEMBERSHIP.

Members who propose to attend the Meeting in South Africa are requested to send in their names to Mr. H. C. Stewardson, Chief Clerk of the British Association, Burlington House, London, W., not later than May 31, 1905. On receipt of their subscription, they will receive (i.) a Voucher, entitling them to a reduction of 25 *per cent.* on passages booked at the office of the Union-Castle Steamship Line (3, Fenchurch Street, London, E.C.); and (ii.) a Railway Certificate, entitling them to a reduction of 50 *per cent.* on railway fares in South Africa, during the visit of the Association. A limited number of *free passes* having been granted for that period by the Railway Administrations in South Africa, the Council of the Association will assign these to Members who, by priority of application and order of seniority from the date of their election, shall become entitled to this concession. Associates of former years who are accepted by the Council as full Members, on their application before May 31, will be included in this category and thereby participate in the advantages of Membership.

No new Members or Associates will be enrolled until the reunion of the Association at Cape Town on August 15, with the exception of those who, on written application to the Council, are approved as Members of the Association entitled to receive the privileges accorded by the Steamship and Railway Authorities. Such application must be made not later than May 31.

ITINERARY.

The following Official Itinerary has been provisionally fixed :

Leave . . .	SOUTHAMPTON	Saturday, July 29.
Arrive . . .	CAPE TOWN	Tuesday, August 15.
Leave . . .	CAPE TOWN	Saturday, August 19.
Arrive . . .	DURBAN	Tuesday, August 22.
Leave . . .	DURBAN	Thursday, August 24.
Arrive . . .	PIETERMARITZBURG	Thursday, August 24.
Leave . . .	PIETERMARITZBURG	Friday, August 25.
Arrive . . .	COLENSO OF LADYSMITH	Friday, August 25.
Leave . . .	COLENSO OF LADYSMITH	Sunday, August 27.
Arrive . . .	JOHANNESBURG	Monday, August 28.
	(Visit PRETORIA, and return same day, say Thursday, August 31.)	
Leave . . .	JOHANNESBURG	Friday, September 1.
Arrive . . .	BLOEMFONTEIN	Saturday, September 2.
Leave . . .	BLOEMFONTEIN	Monday, September 4.
Arrive . . .	DE AAR	Tuesday, September 5.
Arrive . . .	KIMBERLEY	Tuesday, September 5.
Leave . . .	KIMBERLEY	Thursday, September 7.
Arrive . . .	BULAWAYO	Saturday, September 9.
Leave . . .	BULAWAYO	Monday, September 11.
Arrive . . .	ZAMBESI (Victoria Falls)	Tuesday, September 12.
Leave . . .	ZAMBESI	Thursday, September 14.
Arrive . . .	CAPE TOWN	Tuesday, September 19.
	Boat leaves CAPE TOWN for ESSELAND	Wednesday, September 20.
Arrive . . .	SOUTHAMPTON	Saturday, October 7.
Total number of days		70 (Sea, 37; Towns, 22; Railways, 11).

Members should book their passages to Durban, endorsed with permission to break the journey at Cape Town, and to return home *via* Cape Town or Beira.

Members who propose to vary or shorten their route by departing from the official programme must make their own arrangements with the Steamship Company in regard to Ocean passages. Whilst no guarantee can be given that the Railway Companies in South Africa will include any deviation from the routes and periods therein set forth as coming under their concessions to recognised Members of the Association, it may be safely assumed that Members who wish to abandon the voyage from Cape Town to Durban and the visit to Natal will be permitted to travel to Johannesburg direct by train.

It is advisable for all who can do so to leave by the Mail Steamer of July 22, on which date there will be also an Intermediate Steamer at lower fares. Early bookings are recommended; and those who contemplate returning home *via* Beira are requested to register their names on the optional list at the Steamship Office. The passage-money on the return voyage from Beira or Cape Town will be the same, except in the case of those holding tickets by Intermediate Steamers, who will be required to pay the difference between the fares by Intermediate Steamer and Mail Steamer.

LIFE POLICIES.

Members are reminded that a life policy may be invalidated by a visit to Africa without due notice being given to the Assurance Company.

VISIT OF THE BRITISH ASSOCIATION TO SOUTH AFRICA IN 1905.

CENTRAL EXECUTIVE COMMITTEE—CIRCULAR No. 2*.

(4TH FEBRUARY, 1905.)

The following additional details of the arrangements for the visit of the British Association to South Africa are published for the information of Local Committees, members of the British and South African Associations in South Africa, and others, and supplement the details already published in Circular No. 1 of the Central Executive Committee :—

(1) *Enrolment of Members for the British Association.*

Persons residing in South Africa and desirous of becoming members or associates of the British Association may do so by forwarding their names and addresses to the Central Executive Committee, with whom the Council of the British Association have made arrangements for enrolment.

(2) *Free Railway Passes and Concessions.*

One hundred members of the British Association in South Africa, along with 30 of their wives, will be allowed to travel free of charge on the railway systems of Cape Colony, Transvaal, Orange River Colony and Natal.

The following shall have a preference in securing this privilege :—

- (a) Office Bearers of the British Association.
- (b) Members of Council of South African Scientific Societies.
- (c) Professors of South African Colleges.
- (d) Those holding scientific appointments under Government.

Applicants for the above privilege must send in their names to the Chairman of the Central Executive Committee before the 30th June, 1905.

* Additional copies of this and previous circulars may be had on application to the Secretary of the Central Executive Committee, P.O. Box 1497, Cape Town.

All other *bona-fide* members and associates of the British Association will, on production of an official certificate (to be obtained through the Secretary of the Central Executive Committee, to the effect that they are travelling for the purpose of attending the meetings of the British Association), will have the privilege of travelling at half-fares for any single or double journey on the Cape Colony, the Central South African (that is Transvaal and Orange River Colony) and the Natal Government Railways.

All members of the British Association will have the privilege of travelling at half-fare for any journey on the lines of the Beira and Mashonaland Railways.

No arrangements have as yet been come to with regard to the Rhodesian Railways.

(3) *Entertainments.*

The Secretary of the British Association has sent the following official communication to the Central Executive Committee with regard to this matter:—

"The President and General Officers of the British Association desire to express the wish that, in view of the fatigue and work involved by this tour in South Africa, the Entertainment Committees will strictly limit the social functions (such as receptions, garden parties—if any—and other re-unions) to a minimum, so that time may be allowed for rest and independent initiative during their interesting visits to the various centres."

(4) *Papers arising in South Africa.*

The following extracts from official letters received by the Central Executive Committee from the British Association are published for general information:—

"The aim of the British Association at this meeting is to obtain papers from recognised authorities on topics of general and local interest so far as this is consistent with the work of each section, and to organise discussions on the same."

"Papers dealing with the progress of science and recent scientific research are preferable to those of a strictly technical character and to short communications."

It has been arranged that all papers arising in South Africa should be forwarded to the Chairman of the Central Executive Committee, to be submitted to Recorders, who, in consultation with their Committees, will decide upon those which shall be accepted and the time allowance to be given to each.

(5) *Arrangements for British Association Visitors.*

The Council of the British Association desire to be informed at as early a date as possible :—

- (a) The number of visitors who can receive private hospitality.
- (b) The number who can be accommodated at hotels, &c., at public expense.
- (c) The number who can find accommodation at their own expense, and what such expense is likely to be.

This information is desired in order to enable the Council of the British Association to proceed with its detailed arrangements for the visit.

The seven Local Committees throughout South Africa should therefore endeavour at an early stage of their work to supply this information to the Central Executive Committee.

DAVID GILL,

Chairman of Central Executive Committee.