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NORTHERN NIGERIA GAZETTE
FOR THE YEAR, 1911.

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By His Excellency's Command,

C. L. TEMPLE,
Chief Secretary.

The Secretariat,

Zungeru, Northern Nigeria,

2nd January, 1911.

NO. 1.

1911.



A PROCLAMATION.

Enacted by the Governor of Northern Nigeria.

C. L. TEMPLE,
Deputy for Governor.



A PROCLAMATION to make further provision for the consolidation and amendment of the Statute Laws in force in the Protectorate.

BE IT ENACTED by the Governor of Northern Nigeria as follows:—

1. This Proclamation may be cited as the Statute Laws Revision Proclamation, 1911. Short title.

2. The Schedule to the Statute Laws Revision Proclamation, 1910, is hereby amended as follows:— Amendment of Schedule to No. 9 of 1910.

(1.)—The Authentication and Interpretation Proclamation, section 25, is amended by inserting between sub-sections (25) and (26) the following sub-section, viz:— Chapter 1, Section 25.

The Statute Laws Revision Proclamation 1911

(25. a) "Secretary to the Administration" shall mean the Chief Secretary.

Chapter 25,
Section 2.
(2)—The *Folded Woven Goods Proclamation*, section 2, is amended by adding at the end thereof the following, viz:—

"Provided always that it shall be lawful for the Chief Customs Officer, with the approval of the Governor signified in writing, to exempt from the operation of this Proclamation folded woven goods imported for transhipment to, or in transit for, any other country, port or place in which the manner of folding or marking such goods is regulated by law."

Chapter 56,
Section 11.

(3)—The *Native Courts Proclamation*, section 11 is repealed and the following is substituted therefor, viz:—

Procedure in
capital cases.

11. (1) A Native Court having jurisdiction over capital offences shall, as soon as possible after passing a sentence of death, send to the Resident of the province a report upon the case together with all documents, minutes and notes of evidence taken in the case.

(2) The Resident shall immediately submit to the Governor the said report, documents, minutes and notes together with a précis of the facts of the case, recording his reasons in support of the sentence or otherwise.

(3) The Governor, after considering the materials submitted to him as aforesaid, may

- (i) order the case to be retried either by the same court or by any other court of competent jurisdiction; or
- (ii) order further evidence to be taken either generally or on some particular point, and in the meantime order the sentence to be suspended pending the consideration of such evidence; or
- (iii) confirm the sentence; or
- (iv) commute the sentence to any other punishment; or
- (v) pardon the person sentenced; and shall communicate to the Resident a copy under his hand and the seal of the Protectorate of any order which he may make thereon.

(4) The Governor shall leave the place and time at which any sentence of death is to be carried into effect and the place where the body of the person executed is to be buried to be fixed by the Resident, who shall in his warrant of execution fix and state the same accordingly.

The Statute Laws Revision Proclamation 1911

(5) On receiving the copy of the Governor's order the Resident shall cause the effect thereof to be entered on the record of the court; and, if the sentence is to be carried into effect, shall cause a warrant of execution under his hand and seal to be issued, setting out the place and time where and when the execution is to be had and the place where the body of the person executed is to be buried.

Provided always that the substance of the Governor's order may in the first instance be communicated by telegraph to the Resident who shall then telegraph to the Governor for a confirmatory telegram and upon receipt of such confirmatory telegram shall act in all respects as though he had received the copy of the order as aforesaid.

(6) Such warrant shall be addressed to the Sheriff or to such officer of the Native Court as to the Resident may seem fit, and the Sheriff or such officer, as the case may be, shall act in accordance therewith.

(7) If a woman sentenced to death be alleged to be pregnant, the Resident shall inquire into the fact and, if there is reasonable cause for believing it, shall order the sentence to be postponed till the result of the pregnancy be known and shall report such order to the Governor.

(8) The forms of criminal procedure numbered 23, 24 and 25 in the appendix A. to the *Supreme Court Proclamation* or forms to the like effect may be used in proceedings under this section with such variations as circumstances may require.

(4)—The *Minerals Proclamation*, section 13, is amended by adding at the end of subsection (1) thereof the following words, viz:—

Chapter 64,
Section 13.

"nor to any person who cannot show to his satisfaction that he has, either himself or by his duly authorized agents, carried out *bona fide* prospecting operations on the area applied for."

and section 20 is amended by substituting the word "or" for the word "of" in the second line thereof.

Section 20

(5)—The *Schedule to the Public Holidays Proclamation* is amended by substituting *Easter Monday* for *Easter Day*.

Chapter 67,
Schedule.

3. The *Minerals Proclamation, 1910*, is hereby repealed.

Repeal of No 8 of
1910

The Statute Laws Revision Proclamation 1911.

Given under my hand and the Seal of the PROTECTORATE of NORTHERN NIGERIA this second day of January in the year of our Lord, One thousand nine hundred and eleven.

C. L. TEMPLE,
Deputy for Governor.

THIS PRINTED IMPRESSION has been carefully compared by me with the Proclamation which has been approved by the Governor and found by me to be a true and correct printed copy of the said Proclamation.

BERTRAM HODGES,
Acting Secretary to the Administration.

**Government Notice.**

THE following orders, regulations &c. under Proclamations now in force are published by direction of the Governor, and shall have effect as from this date.

By His Excellency's Command,

C. L. TEMPLE,
Chief Secretary.

The Secretariat,
Zungeru, Northern Nigeria,
2nd January, 1911.

The Prisons Proclamation.
(9 of 1910, Schedule. Chapter 16.)

The following regulation is added to the regulations contained in schedule 1:—

92(a). Convicts who have earned a remission of sentence will be allowed a gratuity, calculated at the rate of one penny for every hundred marks earned, which shall be paid to them on their release.

The Northern Nigeria Reservists Proclamation.
(9 of 1910, Schedule. Chapter 19.)

The following paragraph is substituted for paragraph (e) of regulation 3 contained in the schedule to the Proclamation:—

3 (e). A grant of land at a reduced or nominal rent, in certain places, whilst serving with the reserve. This privilege may be continued with the approval of the Governor after the reservist has left the reserve.

The Customs Proclamation.
(9 of 1910, Schedule. Chapter 22.)

The following stations are declared to be Customs stations in addition to or in substitution for stations set out in para. 2 of the first schedule to the Proclamation:—

Muri Province	Beli <i>vice</i> Bakundi
Kano "	Gummel and Barbara <i>vice</i> Katagum
Sokoto "	Ilo.

The Stamps Proclamation.
(9 of 1910, Schedule. Chapter 29.)

1. The following documents are added to the list of General Exemptions from all Stamp duties contained in the schedule to the Proclamation:—

- (5.) Risk notes.
 - (6.) Agreements made with the Railway authorities for conveyance of goods
 - (7.) Agreements made with the Railway authorities which purport to limit the liability of the Railway management.
 - (8.) Indemnity bonds given to the Railway authorities by consignees (when the Railway receipt is not produced) in respect of the delivery of consignments of fresh fish, fruit, vegetables and other perishable articles.
 - (9.) Receipts given by the Railway authorities for fares for conveyance of passengers, goods, animals or birds, and to the Railway authorities for refund of overcharges made in respect of such fares.
2. The schedule of Stamp duties is amended by deleting the last item but one on page 452 and substituting therefor the following:—
- Licence or lease for mining purposes, transfer of, the same duty as the original instrument.

The Cantonments Proclamation.
(9 of 1910, Schedule. Chapter 37.)

1. The provisions of the Proclamation with the exception of sections 9 to 19 inclusive shall apply to the native town of Lokoja as from time to time defined.

The limits of the town are as follows:—

From a marked point on Pati going N.E. to a market village called Fellali thence N.E. to a market village called Buzza Buzza, thence N.E. to a village called Benda and thence to the Niger river.

2. The limits of various government stations to which certain parts of the Proclamation are applied under Order 1 set out in the schedule to the Proclamation, are as described in the Gazette 1910 on pages 90 and 163.

3. Regulation 12 contained in the schedule to the Proclamation is repealed and the following substituted therefor:—

REGULATION 12.
FISHING IN THE CANTONMENT OF ZUNGERU.

No fishing is allowed in any river or stream within the cantonment of Zungeru except by persons in the possession of a permit in writing and signed by the Cantonment Magistrate.

Such permit may impose conditions under which fishing may be carried on, and may be revoked in writing at any time by the Cantonment Magistrate in his discretion.

Any person fishing without a written permit as aforesaid or in any way interfering with or obstructing persons in possession of permits to fish shall be guilty of an offence and shall be liable, on conviction before the Cantonment Court, to a fine not exceeding £5, or in default to imprisonment not exceeding 14 days.

The Infectious Diseases Proclamation.
(9 of 1910, Schedule. Chapter 38 s. 4.)

The provisions of the Proclamation shall apply to the infectious diseases known as yellow fever and sleeping sickness.

The Forestry Proclamation.
(9 of 1910, Schedule. Chapter 62.)

Regulation 2 contained in the second schedule to the Proclamation is amended by inserting after the word "behalf" in the second line thereof the words "or in a cantonment by the Cantonment Magistrate."

The Wild Animals Proclamation.
(9 of 1910, Schedule. Chapter 63.)

The following is added to the list of game reserves set out in regulation 9 contained in the fifth schedule to the Proclamation:—

(d) All land within a radius of three miles from the Post Office, Zaria.

The Unsettled Districts Proclamation.
(9 of 1910, Schedule. Chapter 63.)

The Schedule to the Proclamation is repealed and the following is substituted therefor:—

The following portions of the Protectorate are declared to be unsettled districts:—

- (1) Bassa Province. The districts of Ichoma, Agatu, Ofangwa and Ankpa.
- (2) Kontagora Province. The districts to the N., N.E., and N.W., of the province occupied by the Dakka-Karris, Rundawas, Dukawas, &c.
- (3) Muri Province. The districts of Munshi, Kwolla, and Wurkum.
- (4) Nassarawa Province. The Mada and Munchi districts.
- (5) Yola Province. (a.) S. of the Benue river, all that district situated W. of Mai Iri River up to Nuni border.
(b) N. of the Benue river, all that district situated N.W., of the line drawn from Mai Iri River through Songto Holma up to the German, Bornu and Bauchi borders.
- (6) Zaria Province. The districts about the Guri-Srubu Hills and the Rukuba Hill.





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Northern Nigeria Gazette.

No 2. **EXTRAORDINARY.**

VOL. XII. FRIDAY, JANUARY 20, 1911.

Government Notices.

His Excellency Sir HENRY HESKETH JOUDOU BELL, K.C.M.G., Governor and Commander-in-Chief of the Protectorate of Northern Nigeria left the Protectorate for England on leave of absence on the 19th instant.

By virtue of the subjoined Dormant Commission passed under the Royal Sign Manual and Signet, CHARLES LINDSAY TEMPLE Esquire, Companion of the Most Distinguished Order of Saint Michael and Saint George, Chief Secretary of the Protectorate of Northern Nigeria, has this day taken the prescribed oaths and assumed the administration of the Government of the Protectorate of Northern Nigeria in consequence of the Governor's absence from the Protectorate.

DORMANT COMMISSION passed under the Royal Sign Manual and Signet; appointing CHARLES LINDSAY TEMPLE, Esq., C.M.G., to administer the affairs of the Protectorate of Northern Nigeria in certain events.

GEORGE R & I.

Dated 30th
September 1910.

George the Fifth, by the Grace of God of the United Kingdom of Great Britain and Ireland and of the British Dominions beyond the Seas King, Defender of the Faith, Emperor of India: To Our Trusty and Well-beloved CHARLES LINDSAY TEMPLE, Esquire, Companion of Our Most Distinguished Order of Saint Michael and Saint George, Greeting.

Appointment of
C. L. Temple Esq.,
C.M.G., to
Administer affairs.

WE do, by this Our Commission under Our Sign Manual and Signet, appoint you, the said CHARLES LINDSAY TEMPLE, to administer the affairs of Our Protectorate of Northern Nigeria, with all the powers, rights, privileges, and advantages to the same belonging or appertaining, in the event of the death, incapacity, absence, or removal from Our said Protectorate of Our Governor and Commander-in-Chief thereof.

Powers and
authorities.

II. And We do in such event authorise, empower, and command you to exercise and perform all and singular the powers and directions contained in an Order in Council (constituting the Office of High Commissioner) bearing date the Twenty-seventh day of December 1899, and in an Order in Council bearing date the Nineteenth day of March 1908, (altering the designation of the Office of High Commissioner to that of Governor and Commander-in-Chief), or in any other Order or Orders in Council adding to, amending, or substituted for the same, and according to such Orders and Instructions as Our said Governor and Commander-in-Chief for the time being hath already received, or may hereafter receive from Us.

DORMANT COMMISSION appointing
CHARLES LINDSAY TEMPLE, Esquire, C.M.G.,
to administer the affairs of
NORTHERN NIGERIA.

III. And We do hereby appoint that this Our Commission shall supersede the Commission under the Sign Manual and Signet of Her Majesty Queen Victoria, bearing date the Third day of January 1900, appointing Our Trusty and Well-beloved William Wallace, Esquire, Companion of Our Most Distinguished Order of Saint Michael and Saint George (now Sir William Wallace, Knight Commander of Our said Most Distinguished Order), and likewise the Commission under the Sign Manual and Signet of His late Majesty King Edward the Seventh, bearing date the Sixteenth day of July 1908, appointing Our Trusty and Well-beloved John Alder Burdon, Esquire, Companion of Our said Most Distinguished Order, to administer the affairs of Our Protectorate of Northern Nigeria in the events therein specified.

Commission of
3rd January 1900
and 16th July 1908
superseded.

IV. And We do hereby command all and singular Our Officers and loving subjects in Our said Protectorate, and all others whom it may concern, to take due notice hereof, and to give their ready obedience accordingly.

Officers and others
to give obedience.

Given at Our Court at Saint James's this Thirtieth day of September 1910, in the First year of Our Reign.

By His Majesty's Command,

CREWE.

His Excellency the Acting Governor has been pleased to appoint HERBERT SYMONDS GOLDSMITH, Esquire, First Class Resident, to act as Chief Secretary, from this date inclusive.

By Command,

H. S. GOLDSMITH,
Acting Chief Secretary.

The Secretariat,
Zungeru, Northern Nigeria.
20th January 1911.

No. 1.



1911.

THE



Northern Nigeria Gazette.

VOL. XII. TUESDAY, JANUARY 31, 1911. NO. 1.

Government Notices.

Unsettled Districts Proclamation.

CASES having recently occurred of Prospectors and other non-Government Officials entering unsettled districts without previously obtaining the permission of the Resident in charge of the Province, notice is hereby given that instructions have been issued to Residents to strictly enforce the provision of the Unsettled Districts Proclamation No. 19 of 1902.

IT is hereby notified for general information that the Office of the Traffic Superintendent, Baro Kano Railway, will be removed from Baro to Minna with effect from the 1st of February 1911.

ON and after 1st February 1911 the construction class fare between Zungeru and Minna will be 6d. instead of 9d. The only station between Minna and Zungeru is Beji and the fare to this point from Zungeru and also from Minna will be 3d. Construction class fare from all other Baro-Kano Railway Stations to Zungeru and Beji will be 3d. lower than shown in the tariff. The Maikonkeli rates and fares as shewn in the tariff are hereby cancelled.

THE special rate for ground nuts in Baro-Kano Railway provisional tariff No. 2 which appeared in Gazette No. 10 of 1910 will also apply to guinea corn and all country grain.

IT is hereby notified for general information that Mr. A. H. Hodges Assistant Treasurer has been appointed by His Excellency the Governor to be Secretary to the Public Officers' Guarantee Fund with effect from 1st January, 1911.

Post Office Notices.

ON and after February 1st requisitions for Postal Orders must be made on the form printed for that purpose. Forms can be obtained at any Postal Order Office.

H. M. WOOLLEY,
Postmaster-General.

A POST OFFICE has been opened at Kaduna. Postal Orders will be issued and paid there.

H. M. WOOLLEY,
Postmaster-General.

Hausa Examination.

UNDER the provisions of Government Standing Order No. 72 paragraph 6, the undermentioned passed the Colloquial Test in Hausa on the 13th January, 1911:—

Lieut. J. Green, Mounted Infantry, N.N. Regt.
Colour Sergt. M. Beirne, 1st Bn. N.N. Regt.

Native Courts.

NATIVE Courts under the new Native Courts Proclamation (No. 1 of 1906) with the approval of the Governor, under the Seal of the Protectorate, have been established as under:—

Province.	Grade.	Name of Court.	Date of Warrant.
Bassa	B	Gbebe Judicial Council.	16th Jan. 11
Muri	C	Lau Alkali's Court.	do.

THE following has been added to the amendment to G.S.O. No. 72 para. 10 which appeared in Gazette No. 2 of 1910.

When however it does not seem likely that within a reasonable length of time two fully qualified Examiners will be available to conduct the final examination in the Lower Standard one fully qualified Examiner and one or more Officers who have passed the Lower Standard test may, with the sanction of the Governor, constitute a Board for the purpose of conducting this examination.

Errata.

THE vacation leave granted to Sergeant Major H. Curtis, Royal Engineers Baro-Kano Railway should be 35 days and not as stated in Gazette No. 11 of 1910.

Extract from London Gazette.

THE following extract from the London Gazette dated 18th November, 1910, is published for information :-

MEMORANDA.

Second Lieutenant Charles H. Fowle, The Hampshire Regiment, is granted the local rank of Lieutenant while employed with the West African Frontier Force. Dated 2nd November, 1910.

In the matter of the Estate of the late J. S. Crabbe, 4th Grade Clerk. N. N. Regiment (Deceased)

NOTICE is hereby given that all Creditors and other persons having any claims or demands upon or against the estate of J. S. Crabbe, 4th Grade Clerk N. N. Regiment, Deceased, who died at Sokoto on the 2nd day of January 1911 intestate, are hereby requested to send in particulars of their claims or demands to Mr. B. Lentaigne, Assistant Resident Sokoto Province on or before the 30th April 1911.

Obituary.

His Excellency the Acting Governor announces with regret the death from heart failure of Mr. J. S. Crabbe, 4th Grade Clerk, Northern Nigeria Regiment, which occurred at Sokoto on the 2nd January, 1911.

His Excellency the Acting Governor announces with regret the death of Mr. J. C. Robertson, late Regimental Tailor, 2nd Bn. N.N. Regt., which occurred on board the G. S. W. "Sarota" at Burutu on the 10th January, 1911.

RISE AND FALL OF THE RIVER KATSENA FOR THE MONTH OF DECEMBER, 1910.

Date.	RIVER KATSENA.	
	Rise.	Fall.
Week ending 7th	ins.	ins.
" " 14th	—	9
" " 21st	—	5
" " 28th	—	6
" " 31st	—	4½
		1
Total Fall		2 ft. 1½ ins.

By His Excellency's Command,
H. S. GOLDSMITH,
Acting Chief Secretary.

Chief Secretary's Office,
Zungeru, Northern Nigeria,
31st January, 1911.

Prospecting Rights granted under the Minerals Proclamation (No. 8 of 1910) during the month of January 1911.

No.	Description.	To whom granted.	Period.	Date.	
				From	To
22	Prospecting Right	Stanley Williams Esq.	One year	7th Jan. 1911	6th Jan. 1912
23	"	Major de Bugh d'Arcy	"	"	"
24	"	L. S. Malcolm Esq.	"	12th Jan. 1911	11th Jan. 1912
25	"	L. D. Tandy	"	15th Jan. 1911	18th Jan. 1912
26	"	Estill Turms	"	27th Jan. 1911	25th Jan. 1912
27	"	F. G. Smith	"	"	"
28	"	H. W. Laws	"	"	"
29	"	R. H. Johnson	"	"	"
30	"	W. R. Rumbold	"	"	"
31	"	R. A. Archbold	"	"	"
32	"	C. J. MacLaverly Esq.	"	"	"
33	"	F. N. Dare	"	"	"
34	"	H. Gemmell	"	"	"
35	"	K. C. Nichols	"	"	"
36	"	J. M. Roche	"	"	"

The following Exclusive Prospecting Licences have been granted during the month of January 1911.

No.	Description.	To whom granted.	Area.	Locality.	Period.	Date.	
						From	To
148	Exclusive Licence to prospect	Tin Areas of Nigeria Ltd.	1 Sq. mile	Jos, Bauchi Provinces	One year	6th Jan. 1911	5th Jan. 1912
149	"	Nigerian Mining Syndicate Ltd.	12 "	River-Jarawa, Kano Prov.	"	12th Jan. 1911	11th Jan. 1912
150	"	Anglo Continental Mines Ltd.	5 "	River Guram Bauchi "	"	1st Jan. 1911	31st Dec. 1911
151	"	do.	3 "	"	"	"	"
152	"	do.	3 "	"	"	"	"
153	"	West African Mines Ltd.	2 "	Jos & Bukuru	"	16th Jan. 1911	15th Jan. 1912
154	"	Northern Nigeria (Bauchi) Tin Mines Ltd.	4.6 "	River Ngell	"	"	"
155	"	Anglo Continental Mines Ltd.	2.2 "	River Rakuba.	"	17th Jan. 1911	16th Jan. 1912
156	"	do.	2.2 "	"	"	"	"
157	"	do.	2.2 "	"	"	"	"
158	"	do.	2.2 "	Delimi River	"	"	"
159	"	do.	2.2 "	Jarawa River, Kano Prov.	"	16th Jan. 1911	15th Jan. 1912
160	"	Lake View Consols Ltd.	2.2 "	"	"	"	"

Mining Leases granted under the Minerals Proclamation (No. 8 of 1910) during the months of December 1910 and January 1911.

No.	Description.	To whom granted.	Area.	Locality.	Period.	Date.	
						From	
A	Mining Lease (Alluvial)	Tin Areas of Nigeria Ltd.	320 acres.	Riahi District Bauchi Prov.	21 years	23rd Dec. 1910	
B	"	Anglo Continental Mines Ltd.	320 "	River Delimi	"	1st Jan. 1911	
C	"	do.	320 "	"	"	"	
D	"	do.	320 "	"	"	"	
E	"	do.	320 "	"	"	"	
F	"	do.	320 "	"	"	"	
G	"	do.	320 "	"	"	"	
H	"	do.	320 "	Gurum River	"	"	
I	"	do.	320 "	"	"	"	

OFFICIAL
THE NORTHERN NIGERIA GAZETTE
JANUARY 31, 1911

The following list of Medical Practitioners and Dentists registered during 1910 under Proclamation No. 24 of 1906 section 3 are published for information.

Register of Medical Practitioners and Dentists.

No.	Full Name.	Address.	Qualification.	Date of Qualification.	Date of Local Registration.	Remarks.
44	Alexander, Alfred Gahagan	Sudan United Mission, via Lokoja	M.B. Bac. Surg., M.D. 1906 Univ. Dubl.	1906 Apl. 23 I.	24th Feb. 1909.	
45	Le Bas, Dumaresq	Baro-Kano Railway, Northern Nigeria	Memb. R. Coll. Surg. Eng., 1903. Lic. R. Coll., Phys. Lond. 1903.	1903 Aug 25 E.	1st June 1909.	
46	Willan, Reginald	do.	Memb. R. Coll. Surg. Eng., 1907. Lic. R. Coll. Phys. Lond., 1907.	1907 Nov. 15 E.	1st June 1909.	
47	Ingram, Alexander	do.	M.B. Mast. Surg. 1892 Univ. Edin., Memb. R. Coll. Surg. Eng. 1893, Lic. R. Coll. Phys. Lond., 1903.	1892 Aug. 2 S.	12th Aug 1909.	
48	Cross, John	West African Medical Staff	M.B. Bac. Surg., 1903. Univ. Glasgow.	1903 Aug. 3 S.	28th May 1910.	
49	Roe, Robert Lloyd	do.	M.B. Mast. Surg. 1895, Univ. Edin.	1896 May 26 E.	do.	
50	Archibald, John Webster	do.	M.B. Bac. Surg. 1907. Univ. Aberdeen.	1907 Aug. 20 S.	do.	
51	Mackay, Harvey	do.	Lic. Roy. Coll. Phys. Edin. 1904, Lic. Roy. Coll. Surg. Edin. 1904, Lic. Fac. Phys. Surg. Glasg. 1904.	1905 Jan. 23 E.	do.	
52	Lindsay, James	do.	M.B. Bac. Surg. 1906. Univ. Edin.	1906 July 31 S.	15th May 1910.	
53	Toovey, Thomas Edward Frazer	do.	Lic. R. Coll. Phys. Edin. 1899, Lic. 1899, Fell. 1902 R. Coll., Surg. Edin. Lic. Fac. Phys., Surg. Glasgow 1899.	1899 July 24 E.	25th July 1910.	Died Dec. 1910

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THE NORTHERN NIGERIA GAZETTE.
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Register of Medical Practitioners and Dentists—(continued.)

No.	Full Name.	Address.	Qualification.	Date of Qualification.	Date of Local Registration.	Remarks.
54	Graham, Ernest William	West African Medical Staff	M.B. Mast. Surg. 1896, Univ. Glasg.	1896, Nov. 9, S.	30th June 1910.	
55	Hiscock, Robert Carroll	do.	Lic. R. Coll. Phys. Edin. 1903, Lic. R. Coll. Surg. Edin. 1903, Lic. Fac. Phys. Surg. Glasg. 1903.	1906, Mar. 17, S.	20th Aug. 1910.	
56	Morrison, William	do.	M. B. Bac. Surg. 1909, Univ. Edin.	1909, July 28, S.	10th July 1910.	
57	McFie, John William Scott	do.	M. B. Bac. Surg. 1906, Univ. Edin.	1906, July 27, S.	10th July 1910.	
58	Conran, Philip Crawford	do.	Memb. R. Coll. Surg. Eng. 1907 Lic. R. Coll. Phys. Lond. 1907.	1907, July 27, E.	11th Nov. 1910.	
59	Ross, Frank	do.	M. B. Bac. Surg. 1906, Univ. Edin.	1906, Oct. 2, S.	30th Dec. 1910.	
60	Snell, John Percy Brooking	do.	Lic. Soc. Apoth. Lond. 1906, Lic. Med. Surg. Soc. Apoth. Lond. 1907.	1906, Mar. 10, E.	30th Dec. 1910.	

6 OFFICIAL THE NORTHERN NIGERIA GAZETTE. JANUARY 31, 1911.

The following is a list of Officers of this Government who have attended the past Sessions of Tropical African Courses, in the subjects indicated, during their leave of absence and have obtained satisfactory reports.

Name.	SUBJECTS.							Remarks.
	Tropical Hygiene.	Law.	Tropical Products.	Accounting (Colonial System.)	Muslim Law.	International Law.	Surveying.	
H. F. Backwell					X	X		
Major C. A. Booth	X	X	X	X	X	X		
S. M. Grier			X		X	X		
Capt. R. B. Knight		X	X	X	X			
H. O. Lindsell					X	X	X	
Lieut J. M. Maxwell-Lyte	X	X	X	X	X			
Capt. G. Seccombe					X			
R. S. Smith					X			
C. Wightwick			X		X	X	X	

JANUARY 31, 1911 THE NORTHERN NIGERIA GAZETTE.

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Commissions.

The following Commissions have been issued:—

Name.	Appointment.	Nature of Commission.	Province.	Period.	Date of Commission.
Mr. H. O. Lindsell	Assistant Resident	To exercise Judicial Powers up to two years imprisonment, £50 fine & 12 lashes	Niger	While in the Niger Province	7th Jan. 1911.
Mr. J. C. Walker	do.	To exercise Judicial Powers up to two years imprisonment, £25 fine, 12 lashes	Kabba	While in the Kabba Province	do.
Mr. J. H. C. Elder	do.	To exercise full Judicial Powers of a Resident	Bornu	While in charge of Gujba Division, Bornu Province	do.
Mr. S. H. P. Vereker	do.	To exercise full Judicial Powers of a Resident	Yola	While in charge of Gongola Division, Yola Province	9th Jan. 1911.

Powers of Commanding Officer.

Under the provisions of section 40 of "The West African Frontier Force (Northern Nigeria Regiment) Proclamation," No. 10 of 1902, the Commandant, Northern Nigeria Regiment, West African Frontier Force, has, with the concurrence of the Governor, conferred the Powers of Commanding Officer on the following officers:—

Rank and Name.	Unit.	Whilst commanding Detachment at	Date of Warrant.	Remarks.
Capt. D. H. Macdonell, D.S.O.	Mounted Infantry, N. N. Regt.	Sokoto	19th January 1911.	
Lieut. R. B. Clifton	1st Bn., N. N. Regt.	do.	do.	
Lieut. A. P. Garnier	do.	Jemaa-n-Daroro	do.	
Lieut. M. W. Graham	do.	Zuru	do.	

Appointments and Assumption of Duty.

Name.	Appointment.	Department.	Date of Appointment.	Date of Assumption of Duty.
Mr. James Arthur Oldfield	Traffic Assistant	Baro-Kano Railway	14th Dec. 1910	2nd Jan. 1911.
Mr. William Aekins	Platelayer	do.	4th Jan. 1911	22nd Jan. 1911.
Mr. William Pritchard	Telegraph Inspector	Postal and Telegraphs	do.	do.
Mr. John Graham Kirk	Storekeeper	Public Works	do.	do.
Mr. Edgar Nelson Follwell	do.	Marine	11th Jan. 1911	28th Jan. 1911.
Mr. George John Frederick Tomlinson †	Assistant Resident	Political	do.	do.
Mr. Herbert Symonds Goldsmith	1st Class Resident, to act as Chief Secretary	Chief Secretary's	20th Jan. 1911	20th Jan. 1911.
NATIVE STAFF.				
Mr. W. G. H. Patnelli	Unclassified Clerk (Temporary)	Cantonment, Lokoja	1st Nov. 1910	Engaged locally.
Mr. A. Davies	Telegraph Inspector	Postal and Telegraphs	1st Jan. 1911	do.
Akande Yagba	Warder	Prisons	do.	do.
Garuba Muri	Interpreter	do.	27th Jan. 1911	do.

* Re-appointed.

† Re-transferred from the post of Director of Education, Gold Coast.

Promotions.

Name.	Appointment.	Promoted to.	Department.	With effect from.
NATIVE STAFF.				
Mr. J. A. Ephraim	2nd Grade Clerk	1st Grade Clerk	Audit	1st October 1910.
Mr. P. D. Quartey	3rd Grade Clerk	2nd Grade Clerk	do.	do.
Mr. C. E. Rose	Warder	Senior Warder	Prisons	1st January 1911.

Transfer.

Name.	Appointment.	Transfer to.	New Appointment.	With effect from.
Dr. D. Alexander	Medical Officer	Sierra Leone	Junior Sanitary Officer	11th January 1911.

Leave of Absence.

LEAVE has been granted to the undermentioned Officers from the date of the arrival at its first port of call in the United Kingdom, as regards Officers proceeding to England, of the steamer which left Burutu on the date mentioned, and for the period specified in the schedule below. As regards the Native Staff, from the date of the arrival of the steamer at the port mentioned in the "Remarks" column.

Name.	Office.	Description of Leave.				Date on which steamer left Burutu.	Remarks.
		Vacation.		Return.			
		Months.	Days.	Months.	Days.		
Miss E. M. Rearden ...	Nursing Sister ...	2	...	...	...	4th January 1911 ...	Full Salary.
Mr. W. H. de Buriatte ...	Assistant Locomotive Supdt. B.K.R. ...	2	...	...	...	do. ...	do.
Sergeant T. Gatford ...	Royal Engineers, B.K.R. ...	2	...	2	...	do. ...	do.
Mr. W. E. Slingsby ...	Assistant Resident ...	2	...	...	...	11th January 1911 ...	do.
Major A. W. McClintock ...	1st Class Resident ...	2	70	2	...	18th January 1911 ...	do.
Mr. W. G. F. Chambers ...	Assistant Keeper of Gaols ...	2	30	2	...	do. ...	do.
Mr. O. F. Duus ...	Assistant Engineer, B.K.R. ...	2	20	...	...	do. ...	do.
Sir Henry Hesketh Joudou Bell, K.C.M.G. ...	Governor ...	2	10	2	...	25th January 1911 ...	do.
Dr. C. E. S. Watson ...	Medical Officer ...	2	40	2	...	do. ...	do.
Mr. G. N. Vertue ...	3rd Class Resident ...	2	20	2	...	do. ...	do.
Capt. E. F. N. Burton ...	Private Secretary & A.D.C. ...	2	10	2	...	do. ...	do.
Mr. R. N. Tompson ...	Foreman of Works, B.K.R. ...	...	50	...	50	25th January 1911 ...	do.
NATIVE STAFF.							
Mr. G. A. Wright ...	Native Linesman, Postal & Telegraphs ...	3	...	...	...	2nd Nov. 1910 ...	Half salary. Southern Nigeria.
Mr. J. M. Kodilinye ...	4th Grade Clerk, Marine ...	3	...	...	...	15th January 1911 ...	Full Salary. Onitsha.
Mr. R. A. Barnor ...	3rd Grade Clerk, P.W.D. ...	3	...	...	...	18th January 1911 ...	do. Accra.
Mr. P. A. Hammond ...	3rd Grade Clerk, Chief Secretary's ...	3	...	...	...	do. ...	do. Cape Coast.
Mr. A. H. Sackey ...	3rd Grade Clerk, Treasury ...	3	...	...	...	do. ...	do. Accra.
Mr. J. M. Francis ...	3rd Grade Clerk Political ...	3	...	...	...	do. ...	do. Lagos.

Extension of Leave.

Name.	Office.	Period.	From.	To.	Remarks.
Mr. G. R. Matthews ...	Chief Assistant Secretary ...	1 month and 6 days	16th Jan. 1911...	21st Feb. 1911 ...	Ill-health Without salary.
Mr. J. Chartres ...	District Superintendent of Police ...	1 month ...	1st Jan. 1911...	31st Jan. 1911 ...	do. Half salary
Capt. C. W. Orr ...	1st Class Resident ...	3 months ...	1st Dec. 1911...	28th Feb. 1911...	do. do.
Capt. C. W. Orr ...	do. ...	8 months ...	1st Mar. 1911...	31st Oct. 1911 ..	Ill-health. Without salary.
Mr. O. S. Adams ...	2nd Grade Clerk, Treasury ...	1 month ...	13th Jan. 1911...	12th Feb. 1911...	Urgent private affairs. Half salary.
Mr. S. K. Ankrah ...	3rd Grade Postmaster ...	14 days ...	24th Nov. 1909	7th Dec. 1909 ...	do.

Resignation.

Name.	Appointment.	Department.	With effect from.	Remarks.
Mr. Layinka Anselm ...	Interpreter ...	Prisons ...	27th January 1911.	

Restoration.

Name.	Appointment.	Department.	Date of Restoration.	Remarks.
Sergeant A. W. Holding ...	R. A. M. C. ...	Medical ...	3rd January 1911.	

Resumption of Duty.

Name.	Appointment.	Department.	Date of arrival Baruta.	Remarks.
Mr. P. M. Dwyer ...	2nd Class Resident ...	Political ...	2nd January 1911	
Mr R. S. Smith ...	Assistant Resident ...	do. ...	do.	
Capt. R. B. Knight ...	do. ...	do. ...	do.	
Dr. E. C. Adams ...	Medical Officer ...	Medical ...	do.	
Mr. A. McAllister ...	Master ...	Marine ...	do.	
Sergt. A. R. Turner ...	Royal Engineers ...	Governor's Office ...	do.	
Mr. T. E. Boyton ...	Assistant Accountant ...	Baro-Kano Railway ...	do.	
Mr. C. R. Hale ...	Foreman of Works ...	do. ...	do.	
Mr. J. Gardiner ...	General Foreman ...	do. ...	do.	
Mr. F. B. Hanson ...	do. ...	do. ...	do.	
Major C. A. Booth ...	Assistant Resident ...	Political ...	7th January 1911	
Mr. J. F. Williams ...	do. ...	do. ...	do.	
Mr. R. McAllister ...	3rd Class Resident ...	do. ...	do.	
Mr. C. A. Cunningham ...	Assistant Treasurer ...	Treasury ...	do.	
Dr. B. Flood ...	Medical Officer ...	Medical ...	do.	
Mr. F. Dwyer ...	3rd Class Resident ...	Political ...	14th January 1911	
Mr. A. M. Mekee ...	Assistant Forestry Officer ...	Forestry ...	do.	
Mr. W. Kitchen ...	Engineer ...	Marine ...	do.	
Mr. J. C. Ralph ...	Earthwork Foreman ...	Baro-Kano Railway ...	do.	
Mr. N. F. Smith ...	General Foreman ...	do. ...	do.	
Mr. W. Henderson ...	Assistant Engineer ...	do. ...	do.	
Mr. C. R. R. Tailour ...	do. ...	do. ...	22nd January 1911	
Mr. A. Van der Meersch ...	do. ...	do. ...	do.	
Mr. A. E. Lane ...	Foreman of Works ...	do. ...	do.	
Dr. A. Bremner ...	Medical Officer ...	Medical ...	28th January 1911	
Sergt. R. Stacey ...	Platelayer ...	Baro-Kano Railway ...	do.	
Sergt. F. Chantler ...	Royal Engineers ...	do. ...	do.	
NATIVE STAFF.				
Mr. J. A. Yawson ...	3rd Grade Clerk ...	Public Works ...	7th January 1911	
Mr. J. A. Otoo ...	do. ...	Audit ...	do.	
Mr. Charles Smith ...	do. ...	Treasury ...	14th January 1911	
Mr. J. E. Andoh ...	do. ...	Political ...	do.	
Mr. J. S. Wilson ...	do. ...	do. ...	22nd January 1911	
Mr. E. J. Duker ...	1st Grade Clerk ...	Chief Secretary ...	28th January 1911	
Mr. O. S. Adams ...	2nd Grade Clerk ...	Treasury ...	do.	

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Dismissals.

Name.	Appointment.	Department.	With effect from	Remarks.
NATIVE STAFF.				
Mr. C. E. D. Spaine ...	3rd Grade Sorting Clerk & Telegraphist ...	Postal and Telegraphs ...	9th January 1911.	
Mr. S. K. Ankrah ...	3rd Grade Postmaster ...	do. ...	8th December 1909.	

Termination of Appointments.

Name.	Appointment.	Department.	With effect from.	Remarks.
Mr. M. J. Hay ...	Foreman of Works ...	Public Works Extraordinary ...	23rd January 1911.	
NATIVE STAFF.				
Mr. A. A. Nelson ...	4th Grade Clerk ...	Marine ...	30th January 1911.	
Mr. F. A. Pratt ...	Native Engineer ...	do. ...	5th Dec. 1910	

Permanent Staff.

The undermentioned Native Official, having completed three years service are, with the approval of His Excellency the Governor, placed on the Permanent Staff of the Protectorate from the date stated against their names:—

Name.	Appointment.	Department.	With effect from.	Remarks.
Mr. E. W. Allotey ...	Assistant Chief Clerk ...	Chief Secretary's ...	23rd November 1899.	
Mr. F. W. M. Hutchison ...	2nd Grade Clerk ...	Governor's Office ...	20th May 1907.	

JANUARY 31, 1911. THE NORTHERN NIGERIA GAZETTE. OFFICIAL 18

WEST AFRICAN FRONTIER FORCE.

Appointment and Assumption of Duty.

Rank and Name.	Appointment.	Unit.	Date of Appointment.	Date of Assumption of Duty.
Lieut. Alfred Charles Aubin, (East Lancashire Regt.) ...	Company Officer ...	N. N. Regt. ...	11th January 1911 ...	28th January 1911.
Lieut. Arthur Wilson Colley, (Loyal North Lancashire Regiment) ...	do. ...	do. ...	do. ...	do.
NATIVE STAFF.				
Mr. Edward Benjamin Dosu Ocansey ...	Pay Clerk, 4th Grade ...	Mounted Infantry, N.N.R.	7th January 1911 ...	7th January 1911 (Engaged locally.)

Resumption of Duty.

Rank and Name.	Appointment.	Unit.	Date.
Capt. D. H. Macdonell, D.S.O. ...	Company Commander ...	Mounted Infantry, N. N. Regt. ...	2nd January 1911.
Lieut. J. W. E. Boulderson ...	Company Officer ...	1st Bn., N. N. Regt. ...	do.
Lieut. C. P. James ...	do. ...	2nd Bn., N. N. Regt. ...	28th January 1911.
Lieut. A. L. Wrenford ...	do. ...	do. ...	do.
BRITISH N. C. Os.			
Sergt. Major G. F. Williams ...	Sergeant Major ...	Artillery, N. N. Regt. ...	2nd January 1911.
Sergt. F. Griffin ...	1st Rating Sergeant ...	2nd Bn., N. N. Regt. ...	14th January 1911.
Sergt. Major E. R. Slaney ...	Sergeant Major ...	do. ...	22nd January 1911.

WEST AFRICAN FRONTIER FORCE.

Leave of Absence.

LEAVE has been granted to the undermentioned Officers, as regards those proceeding to England, from the date of the arrival at its first port of call in the United Kingdom of the steamer which left Burutu on the date mentioned and for the period specified in the schedule below. As regards the Native Staff, from the date of the arrival of the steamer at the port mentioned in the "Remarks" column.

Rank and Name.	Unit.	Description of Leave.				Date on which steamer left Burutu.	Remarks.
		Vacation.		Return.			
		Months	Days	Months	Days		
Lieut. P. F. Keene ...	1st Bn., N. N. Regt. ...	2	—	2	—	4th January 1911 ...	Full salary.
Lieut. F. R. Pollock ...	2nd Bn., N. N. Regt. ...	2	—	2	—	18th January 1911 ...	do.
Lieut. J. Greene ...	Mounted Infantry, N. N. Regt. ...	2	10	2	—	25th January 1911 ...	do.
<i>Invalided.</i>							
Lieut. H. De Putron ...	2nd Bn., N. N. Regt. ...	—	55	—	55	11th January 1911 ...	do.
BRITISH N. C. Os.							
1/Sergt. A. E. Goodwin ...	1st Bn., N. N. Regt. ...	2	50	2	—	do. ...	Full salary.
2/Sergt. J. Quinn ...	Artillery, N. N. Regt. ...	2	—	2	—	do. ...	do.
Arm. Sergt. W. A. Jones ...	Mounted Infantry, N. N. Regt. ...	2	—	2	—	18th January 1911 ...	do.
Colour Sergt. B. N. Ingham ...	do. ...	2	30	2	—	25th January 1911 ...	do.

Promotion.

Rank and Name.	Appointment.	Promoted to.	With effect from.
Captain E. J. Wolseley ...	Company Officer, 2nd Bn., N. N. Regt.	Company Commander ...	5th October 1910.

WEST AFRICAN FRONTIER FORCE.

Termination of Appointment.

Rank and Name.	Appointment.	Unit.	With effect from.	Remarks.
NATIVE STAFF.				
Mr. J. C. Robertson ...	Tailor ...	2nd Bn., N. N. Regt. ...	7th January 1911.	

Re-absorptions.

Rank and Name.	Appointment.	Unit.	Date of re-absorption into British Regiment.
Captain T. N. Puckle ...	Company Commander ...	1st Bn., N. N. Regt. ...	21st November 1910.
Captain W. D. Barber ...	Adjutant ...	do. ...	28th November 1910.
Lieutenant H. V. R. Hudson ...	Company Officer ...	2nd Bn., N. N. Regt. ...	3rd January 1911.
Captain J. G. Browne ...	Company Commander ...	do. ...	27th January 1911.

Monthly Meteorological Return.

PLACE OF OBSERVATION.	TEMPERATURE.					RAINFALL.				Observer	
	Highest in the shade.	Lowest in the shade.	Mean.	Diurnal range.	Mean relative humidity %.	Total.	Maximum in one day.	Daily average.	No. of days on which rain fell.		
	Deg.	Deg.	Deg.	Deg.	Deg.	Inch.	Inch.	Inch.			
OCTOBER.											
Nafada	101	54	78	41	59	10	10	003	1	E.N.E.	Dr. Lobb.
NOVEMBER.											
Maiduguri	97	53	76.38	42	49.13	—	—	—	—	N.E.	Dr. Alexander.
Geidam	99	53	78	43	24	—	—	—	—	N.E. & S.E.	Dr. Chesnaye.
Birnin Kebbi	97	52	76.5	41	32.8	—	—	—	—	N.E.	Drs. Lindsay & Monro.
Sokoto	96	61	78.6	30	25.5	—	—	—	—	N.E.	Dr. Dalziel.
Keffi	98	54	77.46	42	46	—	—	—	—	N.E.	Dr. Swann.
Ibi	96	56	79.13	39	63	—	—	—	—	N.E. to S.W.	Dr. Pollard.
Katagum	90	56	73.82	31	37.03	—	—	—	—	N.E.	Dr. McCay.
DECEMBER.											
Geidam	98	49	73	47	30	—	—	—	—	N.E. & S.E.	Dr. Chesnaye.
Keffi	96	52	70.8	39	41	—	—	—	—	N.E.	Sergt. McLennan.
Sokoto	93	55	75.2	32	30	—	—	—	—	N.E.	Dr. Dalziel.
Kano	94	51	71.4	40	30.7	—	—	—	—	E.N.E.	Dr. Norman.
Bauchi	93	57	74.4	33	26	—	—	—	—	N.E.	Capt. Bissell.
Katagum	91	55	72.8	33	30.3	—	—	—	—	N.E.	Dr. McCay.
Zaria	98	45	71.82	50	40.67	—	—	—	—	N.E.	Dr. Porteous.
Ibi	99	56	78	40	51	—	—	—	—	N.E.	Dr. Pollard.
Lokoja	95	58	78	35	73	A few drops.	—	—	—	N.E.	Dr. Chartres.
Ankpa	95	52	74.4	41	69.5	04	04	.00129	1	S.W. or S.E.	Dr. Gush.
Baro	100	64	82.5	32	64	—	—	—	—	S.W.	Dr. C. E. S. Watson.

31st January, 1911.

S. W. THOMPSTONE
P. M. O.

Account of Cash Receipts and Payments from

RECEIPTS.	Head No.	In the month of August 1910.		From 1st April 1910 to 31st July 1910.		Total from 1st April 1910 to 31st Aug. 10.	
		£	s. d.	£	s. d.	£	s. d.
Balance 1st April 1910	...	...	...	55,470	12 4	55,470	12 4
Balance 1st August 1910	...	109,468	7 7	...	...	...	...
Land and Internal Revenue	1	7,208	14 6	24,218	2 1	31,426	17 5
Fees, Payments for specific Services, &c.	2	330	15 8	1,381	10 5	1,712	6 1
Marine Earnings	3	1,714	1 1	6,028	1 7	7,742	2 8
Post Office and Telegrams	4	...	...	2,572	3 2	2,572	3 2
Customs Duties	5	1,575	6 7	5,368	10 2	6,943	16 9
Rents	6	104	14 1	899	2 1	1,003	16 2
Miscellaneous Receipts	7	186	11 4	542	11 6	729	2 10
Railway Earnings	8	1,511	2 4	4,881	15 10	6,392	18 2
		12,631	5 7	45,891	17 8	58,523	3 3
Imperial Grant-in-aid	9	90,000	0 0	125,000	0 0	215,000	0 0
Contribution from Southern Nigeria	10	...	...	35,000	0 0	35,000	0 0
Total Revenue		102,631	5 7	205,891	17 8	308,523	3 3
Loan Account Southern Nigeria		...	...	46,400	0 0	46,400	0 0
Total including Loan Account		102,631	5 7	252,291	17 8	354,923	3 3
Advances Repaid B.K.R. Construction		2,451	8 2	184,560	5 9	187,011	13 11
Do. Sundry		4,613	12 0	5,647	15 3	10,261	7 3
Deposits		9,321	0 5	20,102	8 0	29,423	8 5
Drafts and Remittances		47,358	10 8	194,675	0 6	242,033	11 2
Imprests		841	14 4	1,124	3 5	1,965	17 9
Revenue Suspense Account		931	2 10	3,406	7 5	4,337	10 3
Unallocated Stores Suspense Acct. P.W.D.		451	1 7	3,162	16 0	3,613	17 7
Total Receipts		168,599	15 7	766,497	14 0	935,096	9 7
Total including balance		278,068	3 3	2,720,441	6 6	4,889,041	1 11

Zungeru,
January, 1911.

1st April 1910 to 31st August 1910.

PAYMENTS.	Head No.	In the month of August 1910.		From 1st April 1910 to 31st July 1910.		Total from 1st April 1910 to 31st Aug. 10.	
		£	s. d.	£	s. d.	£	s. d.
Balance due to C.A. (Amt. overpaid) 1/4/10	...	...	...	21,402	13 10	21,402	13 10
Governor's Office & Govt. House	1	535	13 2	1,828	0 8	2,363	13 10
Do. Special Map Compilation Staff	2	40	0 6	153	16 5	193	16 11
Secretariat and Printing	3	711	12 11	3,114	19 0	3,826	11 11
Political Department	4	6,473	14 10	24,931	12 4	31,405	7 2
Freed Slaves Home Zungeru	5	...	...	57	18 5	57	18 5
Judicial	6	266	3 0	1,123	13 4	1,389	16 4
Treasury	7	577	2 11	2,304	3 4	2,881	6 3
Postal and Telegraphs	8	1,443	3 10	6,489	11 2	7,932	15 0
Medical	9	2,680	16 4	10,625	11 1	13,306	7 5
Audit	10	126	2 8	804	7 3	930	9 11
Police	11	1,999	17 5	7,779	5 10	9,779	3 3
Prisons	12	689	16 1	3,685	0 1	4,374	16 2
Transport	13	2,000	10 8	7,566	1 6	9,566	12 2
West African Frontier Force	14	10,599	10 6	52,308	8 9	62,907	19 3
Marine	15	5,326	17 2	18,259	19 0	23,586	16 2
Customs	16	193	12 0	588	16 9	782	8 9
Agricultural and Forestry Department	17	147	4 4	530	3 10	677	8 2
Mines	18	10	0 7	308	4 7	318	5 2
Miscellaneous	19	2,193	17 8	9,021	17 3	11,215	14 11
Pensions and Gratuities	20	98	11 3	830	17 6	929	8 9
Education	21	45	0 6	235	15 5	280	15 11
Cantonments	22	141	18 4	821	1 2	962	19 6
Public Works Department	23	1,006	14 5	3,802	15 7	4,809	10 0
Barijuko—Zungeru Tramway	24	107	0 2	729	8 9	836	8 11
Public Works Recurrent	25	332	14 8	1,858	17 6	2,191	12 2
Baro-Kano—Railway	26	1,697	15 2	6,328	10 8	8,026	5 10
		39,445	11 1	166,178	17 3	205,624	8 3
Public Works Extraordinary	27	203	6 4	7,799	9 3	7,992	2 11
Interest on Loan	28	39,242	4 9	173,978	6 5	213,220	11 2
		...	...	19,536	16 6	19,536	16 6
Total Expenditure		39,242	4 9	193,515	2 11	232,757	7 8
B. K. Railway Construction		...	...	48,511	0 9	48,511	0 9
Expenditure		39,242	4 9	242,026	3 8	281,268	8 5
Total including B.K.R. Expenditure		92,167	6 1	212,542	15 1	221,709	1 4
Advances B. K. R. Construction		1,222	12 1	7,280	1 6	8,502	13 7
Do. Sundry		54,46	8 6	48,673	17 3	54,120	5 9
Repayment of Deposits		56,542	18 7	715,937	3 7	721,218	2 2
Drafts and Remittances		985	0 0	1,218	8 9	2,203	8 9
Imprests		1,009	4 0	3,925	13 9	4,934	17 9
Revenue Suspense Account		1,941	10 11	5,383	1 3	7,324	12 2
Unallocated Stores Suspense Acct. P.W.D.		...	...	...	...	...	...
Total Payments		198,557	5 0	589,570	4 11	788,127	9 11
Balance 31st July 1910		79,510	18 2	...	...	79,510	18 2
Do. 31st Aug. 1910		278,068	3 3	2,720,441	6 6	4,889,041	1 11
Total including balance		...	...	...	...	...	...

J. H. BRATT,
Treasurer.

SUPPLEMENT TO The Official Gazette

No. 1 of 1911.

News Circular No. 1 of 1911.

OFFICIAL ZUNGERU, 7TH JANUARY, 1911.

1. *Sailings, Liverpool*:—28th December, Mr. W. Henderson, Asst. Engineer, B.K.R., Mr. J. C. Ralph, Earthwork Foreman, B.K.R., Sergt. F. Griffin, N.N.R., Mr. W. Kitchen, Engineer, Marine, Mr. F. Dwyer, 3rd Class Resident, Mr. N. F. Smith, General Foreman, B.K.R., Mr. A. M. McKee, Asst. Forestry Officer.
2. *Sailings, Burutu*:—4th January, Miss E. M. Rearden, Nursing Sister, Lieut. P. F. Keene, N.N.R., Mr. W. DeBuriatte, Asst. Loco. Superintendent, B.K.R., Sergt. T. Gatford, Royal Engineers, B.K.R.
3. *Arrivals, Burutu*:—25th December, 1910. Lieut. J. T. Gibbs, N.N.R., Lieut. J. C. O. Clarke, Asst. Resident, Capt. N. B. Robertson, N.N.R., Mr. W. Pool, Engine Driver, B.K.R., Mr. W. J. Marsh, Foreman of Works, B.K.R., Mr. J. Fidler, Foreman of Works, B.K.R., Mr. A. Farquhar, Engineer, (Dredger) Marine, Sergt. J. Thomson, N.N.R.

News Circular No. 2.

OFFICIAL ZUNGERU, 25TH JANUARY, 1911.

1. *Sailings, Liverpool*:—4th January, Mr. W. Pritchard, Telegraph Inspector, B.K.R., Mr. J. G. Kirk, Storekeeper, P.W.D., Mr. C. R. R. Tailyour, Assistant Engineer, B.K.R., Mr. W. Aekins, Foreman of Works, B.K.R., Mr. A. Van der Meersch, Assistant Engineer, B.K.R., Sergt. Major E. R. Slaney, N.N.R., Mr. A. E. Lane, Foreman of Works, B.K.R.
- 11th January: Lieut. A. W. Colley, N.N.R., Lieut. A. C. Aubin, N.N.R., Mr. E. N. Follwell, Storekeeper Marine, Mr. G. J. F. Tomlinson, Assistant Resident, Sergt. R. Stacey, Platelayer, B.K.R., Sergt. F. Chantler, Royal Engineers, B.K.R., Lieut. A. L. Wrenford, N.N.R., Lieut. C. P. James, N.N.R., Dr. A. Bremner, Medical Officer.
- 18th January: Mr. F. W. J. Haydon, Mr. A. J. Hermitage, Engine Drivers, B.K.R., Sergt. W. Phillips, Royal Engineers B.K.R., Mr. H. B. Ryan, 3rd Class Resident, Capt. S. J. B. Barnardiston, N.N.R., Mr. W. Scott Evans, Assistant Secretary, Mr. K. R. Chatfield, Assistant Engineer, P.W.D., Lieut. A. E. W. Cripps, Asst. Marine Superintendent, Mr. G. Seccombe, Asst. Resident, Capt. P. H. Short, N.N.R., Dr. G. R. Twomey, Medical Officer.
2. *Sailings, Burutu*:—11th January, Mr. W. E. Slingsby, Asst. Resident, Lieut. H. DePutron, Sergt's. A. E. Goodwin, J. Quinn, N.N.R., Dr. D. Alexander, Medical Officer, to Sierra Leone on transfer.
- 18th January: Major A. W. McClintock, 1st Class Resident, Mr. W. G. F. Chambers, Assistant Keeper of Gaols, Lieut. W. T. Pollock, N.N.R., Mr. O. F. Duus, Foreman of Works, B. K. R. Sergt. W. A. Jones, N.N.R.
- 25th January: His Excellency Sir Henry Hesketh Joudou Bell, K.C.M.G., Governor, Capt. E. F. N. Burton, Private Secretary; and Aid-de-Camp, Dr. C. E. S. Watson, Medical Officer, Professor Simpson, Mr. G. N. Vertue, 3rd Class Resident, Lieut. J. Greene, Sergt. B. N. Ingham, N.N.R., Mr. R. N. Tompson.
3. *Arrivals, Burutu*:—2nd January, Mr. P. M. Dwyer, 2nd Class Resident, Capt. D. H. Macdonell, N.N.R., Capt. R. B. Knight, Asst. Resident, Dr. E. C. Adams, Medical Officer, Mr. T. E. Boyton, Asst. Accountant, B.K.R., Lieut. J. W. E. Boulderson, N.N.R., R. Sydney Smith, Asst. Resident, Mr. J. A. Oldfield, Traffic Assistant, B.K.R., Sergt. Major G. F. Williams, N.N.R., Sergt. A. R. Turner, R.E., Governor's Office, Messrs. F. B. Hanson, and J. Gardiner, General Foremen, B.K.R., Mr. R. C. Hale, Foreman of Works, B.K.R.
- 7th January: Major C. A. Booth, Asst. Resident, Dr. B. Flood, Medical Officer, Mr. R. McAllister, 3rd Class Resident, Mr. C. A. Cunningham, Asst. Treasurer, Mr. J. F. Williams, Asst. Resident.
- 14th January: Mr. F. Dwyer, 3rd Class Resident, Mr. J. C. Ralph, Earthwork Foreman, B.K.R., Mr. W. Henderson, Asst. Engineer, B.K.R., Mr. A. M. McKee, Asst. Forestry Officer, Sergt. F. Griffin, N.N.R., Mr. W. Kitchen, Engineer Marine, Mr. N. F. Smith, General Foreman, B.K.R.
- Postings*:—Mr. H. B. Ryan, Yola, Mr. G. Seccombe, Bornu, Mr. F. Dwyer, Niger.
- His Excellency the Governor, Sir Henry Hesketh Joudou Bell, K.C.M.G., left Lokoja on 19th instant, for England on leave.
- His Excellency the Acting Governor, C. L. Temple, Esquire C.M.G., was sworn in on 20th instant.
- Baro-Kano Railway*, Railhead reached Zaria 21st instant, amidst great enthusiasm; Emir Zaria signalling the train in.



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43
THE following Circular despatch received from the Right Honourable the Secretary of State for the Colonies is published for general information.

CIRCULAR.
Downing Street,
19th December, 1910.

Sir,
I have the honour to inform you that my attention has been called to the increasing frequency of applications for exemption from Colonial Regulation No. 46, respecting the acceptance by Colonial Officers of valuable presents.

2. That Regulation was based on motives of sound policy; and it must be obvious that it would be detrimental to the best interests of the Public Service if a regular practice of offering presents to public officers were established. Whether the presents came from official or unofficial sources there would be the same probability of the imputation of ulterior motives; and there would be a constant impression that officials were influenced by considerations other than those which alone should weigh with them in the discharge of their duties.

3. In these circumstances I desire it to be clearly understood that applications for exemption from the Regulation will not be entertained unless they are made in very exceptional circumstances.

I have the honour to be,

Sir,
Your most obedient, humble servant,
L. HARCOURT.

The Officer Administering
the Government of
Northern Nigeria.

44
UNTIL further notice the boundary between the Niger Province and Iorin Province, between but, excluding Port Iorin and Egga is a line one mile from the right bank of and running parallel with the River Niger at low water.
The following villages are therefore situated in Iorin Province:—

NEAR LEPATA.
Pututa Taidi
Binla Tsuako
Ebaggi Ekko
Edogi-Kologba Yagbagi
Effagi Isundari
Gwandagi Bakko
Muchita Edogi Chapako

NEAR MUREGI.
Sunkuso Gudugi
Edogi Bofu Nankopi
Edogi Pasanako Esugi
Siakiaggi

NEAR EGBAM.
Pututa Eguakosingi
Banguba

NEAR GAKPAN.
Etsu Ganna Ndaiankpa

45
WITH reference to Gazette Notice No. 11 of 1910, the Acting Governor has now definitely recognised DR. GLEIM, as German Consul General, for the Protectorate of Northern and Southern Nigeria.

46
Amendment to Regulations for the West African Frontier Force.

FOR "Resident General" in the 4 line of para 14 of "Regulations for the West African Frontier Force" read "Chief Secretary."

47
Native Courts.

WARRANTS establishing Native Courts under the Native Courts Proclamation (No. 1 of 1906) with the approval of the Governor, under the Seal of the Protectorate, have been issued as under:—

Province.	Grade.	Name of Court.
Date of Warrant, 20th October, 1910.		
Muri	D.	Judicial Council of Abinsi.
Date of Warrant, 24th December, 1910.		
Kano	D.	Alkali's Court of Gezawa Market.
—	"	" Fogolawa "
—	"	" Kunya "
—	"	" Gabasawa "
—	"	" Kabo "
—	"	" Dumbulum "
—	"	" Rogo "
—	"	" Kura "
—	"	" Dal "
—	"	" Babara "
—	"	" Bonkuri "
—	"	" Mindawari "
—	"	" Kano Market.
—	"	" Kurmi Market.
—	"	" Somalia "
—	"	" Gerko "
—	"	" Karaye "
—	"	" Yankatsari "
Date of Warrant, 1st January, 1911.		
Kano	D.	Market Court of Mashi (Katsina Division.)
—	"	" Kankia (Katsina Div.)
—	"	" Mani "
—	"	" Katsina "
—	"	" Kaita (Katsina Div.)

48
Baro-Kano Railway.

THE following ruling is published for general information:—

The section of line from Baro to River Kaduna, mile 215, including the Zungeru Link will be worked on an open line basis from the 1st of April 1911.

Except as provided in the Railway Estimates all Railway duty pay will cease South of Kaduna from the above-mentioned date, South of Zaria from the 1st July, 1911, and will cease entirely from the 1st October, 1911.

49
Post Office Notices

DELIVERY OF TELEGRAMS.

NO charge for portage will be made for the delivery of any telegram within Cantonments or within a radius of 1 mile of the receiving office. A charge of 6d., for the first three miles and 1d. for every additional mile or part of a mile will be made when any telegram is forwarded to any address beyond the limits of free delivery.

These rates will apply only in the case when delivery can be effected by runners. In the case of delivery by canoe the charge made will be sufficient to defray the cost of the service performed.

All fees for delivery of telegrams must be prepaid.

50
A POST OFFICE has been opened at Offa. Postal Orders will be issued and paid there.

51
PARCELS addressed to Kano, Katsena, and Katagum are now despatched direct from Liverpool to Kano. Officers in the Kano Province should have their parcel mails addressed accordingly.

52
Hausa Examination.

UNDER the provisions of the amendments to G.S.O. No. 72 the undermentioned passed:—
COLLOQUIAL TEST.

Mr. S. E. Coker, 4th Grade Clerk, Political.

Mr. J. S. Cole, 4th Grade Sorting Clerk and Telegraphist, Postal and Telegraphs.

53
DAILY RISE AND FALL OF THE RIVER NIGER.
TAKEN AT LOKOJA, FOR MONTH OF JANUARY 1911.

DATE.	RISE.	FALL.	TOTAL.	REMARKS.
	ins.	ins.	ft. ins.	
1	—	↓	12 10	
2	—	↓	12 9	
3	—	↓	12 9	
4	—	↓	12 8	
5	—	↓	12 8	
6	—	↓	12 8	
7	—	↓	12 8	
8	—	↓	12 8	
9	—	↓	12 8	
10	—	↓	12 8	
11	—	↓	12 7	
12	—	↓	12 7	
13	↓	—	12 5	
14	↓	—	12 5	
15	—	↓	12 8	
16	—	↓	12 7	
17	—	↓	12 7	
18	—	↓	12 6	
19	—	↓	12 6	
20	—	↓	12 6	
21	—	↓	12 5	
22	—	↓	12 5	
23	—	↓	12 5	
24	—	↓	12 5	
25	—	↓	12 5	
26	—	↓	12 4	
27	—	↓	12 4	
28	—	↓	12 4	
29	—	↓	12 4	
30	—	↓	12 4	
31	—	↓	12 4	
3	8	↓	Total Fall 5	

54
DAILY RISE AND FALL OF THE RIVER NIGER.
TAKEN AT LOKOJA FOR MONTH OF FEBRUARY 1911.

DATE.	RISE.	FALL.	TOTAL.	REMARKS.
	ins.	ins.	ft. ins.	
1	—	↓	12 5	
2	—	↓	12 4	
3	—	↓	12 4	
4	—	↓	12 4	
5	—	↓	12 3	
6	—	↓	12 3	
7	—	↓	12 3	
8	—	↓	12 3	
9	—	↓	12 3	
10	—	↓	12 3	
11	—	↓	12 3	
12	—	↓	12 2	
13	—	↓	12 2	
14	—	↓	12 2	
15	—	↓	12 1	
16	—	↓	12 1	
17	—	↓	12 1	
18	—	↓	12 1	
19	—	↓	12 1	
20	—	↓	12 0	
21	—	↓	12 0	
22	—	↓	12 0	
23	—	↓	11 11	
24	—	↓	11 11	
25	—	↓	11 11	
26	—	↓	11 10	
27	—	↓	11 10	
28	—	↓	11 10	
7			Total Fall 7	

55
EXTRACT FROM LONDON GAZETTE.

THE following extracts from the London Gazette dated 4th November, 1910, is published for information:—

MEMORANDA.

Lieutenant Herbert G. Howell, Royal Field Artillery, is granted the local rank of Captain while employed with the West African Frontier Force. Dated 14th September, 1910.

Gazette dated 27th January 1911.

CAVALRY.

7th (Princess Royal's) Dragoon Guards.
The undermentioned Lieutenant to be Captain.
Dated 9th November, 1910:—
John Greene, and to remain seconded.

56
Erratum.

The date of re-absorption of Captain D. Campbell, 1st Bn. N. N. Regt., is 10th November, 1910, and not as stated in Gazette No. 8 of 31st August 1910.

The date of transfer of Captain G. L. Uniacke, 1st Bn. N. N. Regt., is 5th October, 1910, and not as stated in Gazette No. 10 of 31st October, 1910.

The period of commission granted to Mr. L. H. E. Blake, should be "while in charge of a Division in Sokoto Province" and not as stated in Gazette No. 12 of 1910.

The extension of leave of Mr. W. George, 3rd Grade Sorting Clerk and Telegraphist, should be 21st May 1910 to 4th June 1910, and not as appeared in Gazette No. 12 of 1910.

57 Obituary.

His Excellency the acting Governor announces with deep regret the death from Black Water fever of Mr. H. M. Osborne District Superintendent of Police, which occurred at Keffi, Nassarawa Province on the 28th January 1911.

His Excellency the acting Governor announces with deep regret the death from Erysipelas and Hyperpyrexia of Mr. W. Cook Foreman of Works, B. K. R., which occurred at Baro on the 11th February 1911.

By His Excellency's Command,
H. S. GOLDSMITH,
Acting Chief Secretary.

Chief Secretary's Office,
Zungeru, Northern Nigeria,
28th February, 1911

58 In the matter of the Estate of the late Mr. H. M. Osborne, (Deceased).

NOTICE is hereby given that all creditors and other persons having any claims or demands upon or against the estate of the late Mr. H. M. Osborne, deceased, who died at Keffi on the 28th day of January, 1911, intestate, are hereby required to send in particulars of their claims or demands to me the undersigned or to the Provisional Administrator at Keffi on or before the 31st day of March, 1911, after which date I shall proceed to pay and distribute the assets of the said deceased among parties entitled thereto having regard only to claims of which notices shall have been received.

And all persons indebted to the said estate are hereby requested to make immediate payment forthwith.

Dated at Zungeru this 1st day of February, 1911

ION H. G. WHITE,
Official Administrator.

59 In the matter of the Estate of the late R. H. Williams, (Deceased.)

NOTICE is hereby given that all creditors and other persons having any claims or demands upon or against the estate of the late R. H. Williams, deceased, who died at Naraguta on the 26th day of January, 1911, intestate, are hereby required to send in particulars of their claims or demands to me the undersigned or to the Provisional Administrator at Naraguta, Bauchi Province, on or before the 31st day of March, 1911, after which date I shall proceed to pay and distribute the assets of the said deceased among parties entitled thereto having regard only to claims of which notices shall have been received.

And all persons indebted to the said estate are hereby requested to make immediate payment forthwith.

Dated at Zungeru this 15th day of February, 1911.

C. DECARDI NELSON,
Official Administrator

Supreme Court Registry,
Northern Nigeria.

60 THE following Lagos Railway Public Notice is published for general information:—

LAGOS RAILWAY
Public Notice.

ILORIN—JEBBA SECTION.

IT is hereby notified that on and from the 20th February 1911, the following changes will be made in the tri-weekly service between ILORIN to JEBBA; the Up Passenger train from ILORIN to JEBBA will run on Tuesdays, Thursdays and Saturdays; and, the Down Passenger train from JEBBA to ILORIN will run on Mondays, Wednesdays and Fridays.

F. H. WALLER,
Acting General-Manager.

General-Manager's Office,
Ebute Metta,
8th February, 1911.

Leave has been granted to the undermentioned Officers from the date of the arrival at its first port of call in the United Kingdom, as regards Officers proceeding to England, of the steamer which left Barutu on the date mentioned, and for the period specified in the schedule below. As regards the Native Staff, from the date of the arrival of the steamer at the port mentioned in the "Remarks" column.

Leave of Absence.

Name.	Office.	Description of Leave.				Date on which steamer left Barutu.	Remarks.
		Vacation.	Return.	Months.	Days.		
Capt. D. A. Wallbach	Chief Transport Officer	2	40	2	1st February 1911	Full Salary.	
Mr. T. A. G. Budgen	Assistant Resident	2	40	2	do.	do.	
Mr. C. I. Anderson	Assistant Treasurer	2	40	2	do.	do.	
Mr. J. Galloway	Fitter & Smith, Marine	2	40	2	do.	do.	
Mr. G. W. R. Bennett	Leveler, B.K.R.	2	70	2	8th February 1911	do.	
Capt. E. A. Brackenbury	Assistant Resident	2	40	2	do.	do.	
Major J. E. C. Blakeley	2nd Class Resident	2	40	2	do.	do.	
Capt. P. Lonsdale	3rd Class Resident	2	40	2	do.	do.	
Mr. O. H. Ellis	Chief Construction Accountant, B.K.R.	2	40	2	15th February 1911	do.	
Dr. H. G. Leaver	Medical Officer	2	40	2	do.	do.	
Mr. T. B. Phillips	Assistant Treasurer	2	40	2	do.	do.	
Dr. A. I. T. Swann	Medical Officer	2	40	2	22nd February 1911	do.	
Mr. E. S. Shamp	Foreman of Works, B.K.R.	2	45	2	do.	do.	
Mr. G. L. Monk	Assistant Resident	2	45	2	do.	do.	
Mr. G. A. Whelan	Foreman of Works, B.K.R.	2	30	2	do.	do.	
Mr. A. C. Francis	3rd Class Resident	2	50	2	do.	do.	
Mr. H. E. Hicks	Chaufeur, P.W.D.	2	50	2	do.	do.	
<i>Included.</i>							
Mr. G. Oliver	Storekeeper, B.K.R.	—	5	—	21st December 1910	Full salary.	
Serjt. W. J. Webster, R.A.M.C.	Sergeant, Medical	—	35	—	15th February 1911	do.	
<i>NATIVE STAFF</i>							
Mr. J. B. Nunoo	3rd Grade Clerk, Audit	—	3	—	1st February 1911	Full salary. Accn. Cape Coast.	
Mr. F. W. M. Hutchison	2nd Grade Clerk, Governor's	—	3	—	do.	Full salary. Cape Coast.	
Mr. M. J. A. Johnson	4th Grade Clerk, Chief Secretary's	—	6 weeks	—	do.	Without salary. Urgent Private Affairs. Sierra Leone.	

* Not as stated in Gazette No. 13 of 1910.

Name	Appointment	Transfer to	New Appointment	With effect from
Mr. A. H. Hodges ...	Assistant Postmaster General	Treasury	Junior Asst. Treasurer	7th November 1910
Mr. F. H. Longhurst	Deputy Director of Railways	Gold Coast Colony	Deputy Director of Public Works	15th February 1911

Transfers.

* From Sierra Leone.

Name	Appointment	Department	Date of Appointment	Date of Assumption of Duty
Sergt. J. McLenan	Medical Officer, to act as Senior Medical Officer	Medical	13th July 1910	19th Jan. 1911
Dr. C. F. Watson	Senior Transport Officer, to act as Chief Transport Officer	Transport	28th Jan. 1911	28th Jan. 1911
Mr. J. Radcliff	Locomotive Driver	Baro-Kano Railway	18th Jan. 1911	5th Feb. 1911
Mr. Frederick William James Hayden	do	do	do	7th Feb. 1911
Mr. Arthur James Hermitage	Executive Engineer, to act as Deputy Director of Public Works	Public Works	7th Feb. 1911	8th Feb. 1911
Mr. E. Lloyd Williams	Senior Assistant Treasurer, to act as Chief Assistant Treasurer	Treasury	8th Feb. 1911	8th Feb. 1911
Mr. C. A. Cunningham	Medical Officer	Medical	5th Feb. 1911	11th Feb. 1911
Dr. H. C. Jefferys	Deputy Postmaster General	Postal and Telegraphs	25th Jan. 1911	15th Feb. 1911
Mr. George Buchanan Simpson	Assistant Secretary, to act as Chief Assistant Secretary	Baro-Kano Railway	1st Feb. 1911	15th Feb. 1911
Mr. W. Scott Evans	Traffic Inspector	Baro-Kano Railway	do	18th Feb. 1911
Mr. Hugh Creighton	Assistant Resident	Political	do	do
Capt. A. S. Lawrence	do	do	do	do
Mr. J. R. Evans	4th Grade Sorting Clerk and Telegraphist	Postal and Telegraphs	23rd Jan. 1911	Engaged locally
Mr. J. P. Essien	Senior Warder	Prisons	4th Jan. 1911	do
Mr. Francis Horatio Cobbinah	4th Grade Clerk	Marine	1st Feb. 1911	do

Appointments and Assumption of Duty.

Rank and Name	Unit	Whist commanding	Date of Warrant	Remarks
Lieut. H. H. Short, D.S.O.	2nd Bn., N. N. Regt.	Kukuruku Patrol	31st January 1911	
Lieut. G. R. K. Ewart	1st Bn., N. N. Regt.	Abuja	22nd February 1911	
Capt. P. H. Short, D.S.O.	2nd Bn., N. N. Regt.	Nafada	22nd February 1911	
Lieut. G. R. K. Ewart	1st Bn., N. N. Regt.	Lafia	20th February 1911	
Lieut. J. Gould Adams	M. I., N. N. Regt.	Sokoto	21st February 1911	
Lieut. A. L. Wrenford	2nd Bn., N. N. Regt.	Muri	22nd February 1911	
Lieut. L. G. Moore	1st Bn., N. N. Regt.	Sokoto	23rd February 1911	

Powers of Commanding Officer.

Under the provisions of Proclamation No. 9 of 1910 Schedule, Chapter XVIII, section 40, the Commandant, Northern Nigeria Regiment West African Frontier Force, has, with the concurrence of the Governor, conferred the Powers of Commanding Officer on the following officers:—

Name	Appointment	Nature of Commission	Province	Period	Date of Commission
Mr. T. H. Haughton	Assistant Resident	To exercise Judicial Powers up to one year's imprisonment & 50 fine, and hogging not exceeding 20 lashes	Muri	While in charge of the Pagan Sub-district, Lau Division	9th Jan. 1911
Lieut. J. C. O. Clarke	do	To exercise Judicial Powers up to 12 months imprisonment, 12 lashes and £25 fine	Kontagora	While in Kontagora	16th Feb. 1911

The following Commissions have been issued:—

Commissions.

61 Prospecting Rights granted under the Minerals Proclamation No. 9 of 1910 Schedule Chapter LXIV during the month of February 1911.

No.	Description.	To whom granted.	Period.	From	To	Date.
37	Prospecting Right.	George Richard Nicolaus	One year	23rd Feb. 1911	23rd Feb. 1912	
38	"	Roland Cecil Webb	"	"	"	

62 The following Exclusive Prospecting Licences have been granted during the month of February 1911.

No.	Description.	To whom granted.	Area.	Locality.	Period.	From	To	Date.
161	Exclusive licence to prospect	The Tin Areas of Nigeria Ltd.	1 Sq. mile	Tukurua River Kano Prov.	One year	1st Feb. 1911	31st Jan. 1912	
162	"	do.	"	Worlay	"	"	"	
163	"	do.	"	Ribbon Valley Bauchi	"	1st Jan. 1911	31st Dec. 1912	
164	"	The Niger Company Ltd.	12	Jarawa River Kano	"	13th Feb. 1911	12th Feb. 1912	
165	"	Kano Syndicate Ltd.	1	"	"	"	"	
166	"	N. T. Syndicate Ltd.	3	Gugan Daji	"	"	"	
167	"	do.	3	"	"	"	"	
168	"	do.	3	"	"	"	"	
169	"	do.	14	From River Bauchi	"	"	"	
170	"	A. McAlister Esq.	11	Rakuba River	"	17th Feb. 1912	"	
171	"	do.	6	Jarawa Kogi Kano	"	16th Jan. 1911	15th Jan. 1912	
172	"	The Niger Company Ltd.	"	Between Jos and Bukuru	"	"	"	
173	"	do.	2	Bauchi Prov.	"	23rd Feb. 1911	22nd Feb. 1912	
174	"	West African Mines Ltd.	"	Bauchi Prov.	"	"	"	
175	"	do.	1	Kethin Fulani Bauchi	"	"	"	
176	"	The Faith Syndicate Ltd.	1	Gojoranda River	"	"	"	

63 Mining Leases granted under the Minerals Proclamation No. 9 of 1910 Schedule Chapter LXIV during the month of February 1911.

No.	Description.	To whom granted.	Area.	Locality.	Period.	From	To	Date.
J	Mining Lease (Alluvial)	The Faith Syndicate Ltd.	40 acres.	Baba River, Larua-n-Kano	21 years	23rd Feb. 1911	1st Feb. 1911	

Extension of Leave.

Name.	Office.	Period.	From.	To.	Remarks.
Dr. B. Flood	Medical Officer	1 month and 5 days	19th Nov. 1910	20th Dec. 1910	For purpose of study. Half salary.
Dr. A. Bremner	do	3 weeks	21st Dec. 1910	10th Jan. 1911	Ill-health. Half salary.
Capt. H. W. Peebles	Assistant Resident	2 months	18th Jan. 1911	17th Mar. 1911	Ill-health. Half salary.
Dr. K. McGahey	do	1 month	2nd Feb. 1911	1st Mar. 1911	For purpose of study. Half salary.
Capt. A. G. Uniacke	District Superintendent of Police	2 weeks	15th Feb. 1911	28th Feb. 1911	Ill-health. Half salary.

Termination of Appointments.

Name.	Appointment.	Department.	With effect from.	Remarks.
Mr. J. Swanson	Junior Assistant Treasurer	Treasury	28th December 1910	
Mr. C. W. Forbes	Engineer	Marine	31st December 1910	Ill-health.
Mr. R. Shaw	Foreman of Works	Baro-Kano Railway	6th January 1911	Agreement expired.
Mr. F. A. Marquis	Chief Storekeeper	Marine	21st January 1911	Ill-health.
Mr. J. Dierden	Foreman of Works	Public Works	3rd February 1911	Agreement expired.
Mr. C. M. Arscott	Assistant Treasurer	Treasury	23rd February 1911	Ill-health.
Mr. J. M. Curtis	Leveller	Baro-Kano Railway	26th February 1911	do.

Permanent Staff.

The undermentioned Native Officials, having completed three years service are, with the approval of His Excellency the Acting Governor placed on the Permanent Staff of the Protectorate from the date stated against their names:—

Name.	Appointment.	Department.	With effect from.	Remarks.
Mr. T. J. Ennisson	1st Grade Clerk	Brigade Office, N. N. Regt.	1st September 1898.	
Mr. George St. B. Brown	2nd Grade Clerk	do	9th December 1899.	
Mr. H. C. Gallie	do.	Staff Quartermaster's Office, N.N.R.	14th January 1900.	
Mr. E. B. Agbebi	do.	Political	7th January 1900.	

Resumption of Duty.

Name.	Appointment.	Department.	Date of arrival Burutu.	Remarks.
Dr. G. R. Twomey ...	Medical Officer ...	Medical ...	5th February 1911.	
Mr. W. Scott Evans ...	Assistant Secretary ...	Chief Secretary's ...	do.	
Lieut. A. E. W. Cripps ...	Assistant Marine Superintendent ...	Marine ...	do.	
Mr. G. Seccombe ...	Assistant Resident ...	Political ...	do.	
Mr. H. B. Ryan ...	3rd Class Resident ...	do. ...	do.	
Mr. K. R. Chatfield ...	Assistant Engineer ...	Public Works ...	do.	
Sergt. W. Phillips ...	Royal Engineers ...	Baro-Kano Railway ...	do.	
Mr. H. Stier ...	Assistant Engineer ...	do. ...	do.	
Dr. R. F. Williams ...	Medical Officer ...	Medical ...	11th February 1911.	
Dr. F. Manning ...	do. ...	do. ...	do.	
Mr. A. C. G. Hastings ...	Assistant Resident ...	Chief Secretary's ...	do.	
Capt. G. O. Nugent ...	Assistant Secretary ...	Baro-Kano Railway ...	do.	
Mr. C. J. Caudell ...	Assistant Storekeeper ...	Medical ...	do.	
Sergt. A. E. Lane, R.A.M.C. ...	Sergeant ...	Baro-Kano Railway ...	do.	
Mr. C. S. Hay ...	Foreman of Works ...	do. ...	18th February 1911.	
Mr. G. E. Goodwin ...	do. ...	do. ...	do.	
Mr. J. W. Vincent ...	Male Nurse ...	Medical ...	do.	
Mr. K. V. Elphinstone ...	3rd Class Resident ...	Political ...	do.	
Mr. J. Chartres ...	District Superintendent of Police ...	Police ...	26th February 1911.	
Mrs. H. M. Jones ...	Nursing Sister ...	Medical ...	do.	
Mr. T. E. Kewley ...	Deputy Assistant Traffic Manager ...	Baro-Kano Railway ...	do.	
NATIVE STAFF.				
Mr. A. C. Amajie ...	3rd Grade Clerk ...	Political ...	29th December 1910.	
Mr. G. A. Wright ...	Native Linesman ...	Postal & Telegraphs ...	2nd February 1911.	
Mr. J. E. S. Friar ...	1st Grade Clerk ...	Political ...	11th February 1911.	
Mr. C. R. Amisshah ...	2nd Grade Clerk ...	Customs ...	do.	
Mr. M. A. Latunji ...	Machine Printer ...	Printing Branch (Chief Secretary's) ...	28th February 1911.	

Resignations.

Name.	Appointment.	Department.	With effect from.	Remarks.
Mr. H. Watkin ...	Loco. Fitter ...	Baro-Kano Railway ...	28th September 1910...	
Mr. W. Dearing ...	Foreman of Works ...	do. ...	10th January 1911 ...	Ill-health.

WEST AFRICAN FRONTIER FORCE.
Appointment and Assumption of Duty.

Rank and Name.	Appointment.	Unit.	Date of Appointment.	Date of Assumption of Duty.
Lieut. D'Arcy Willoughby-Osborne, (Royal Field Artillery) ...	Company Officer ...	1st Bn. N. N. Regt. ...	25th January 1911 ...	11th February 1911.
Major Robert McDouall, D.S.O., (East Kent Regiment) ...	Major ...	N. N. Regt. ...	8th February 1911 ...	26th February 1911.
Capt. John Brydges Cockburn, (Royal Welsh Fusiliers) ...	do. ...	do. ...	do. ...	do.
BRITISH N.C.O.				
Sergeant Montague Shearing, (Hampshire Regiment) ...	2nd Rating Sergeant ...	1st Bn. N. N. Regt. ...	1st February 1911...	18th February 1911.
NATIVE STAFF.				
Mr. John Falade ...	Regimental Tailor ...	2nd Bn. N. N. Regt. ...	8th January 1911 ...	8th January 1911. (Engaged locally.)

Resumption of Duty.

Rank and Name.	Appointment.	Unit.	Date.
Captain S. J. B. Barnardiston, D.S.O. ...	Company Commander ...	1st Bn., N. N. Regt. ...	5th February 1911.
Captain P. H. Short, D.S.O. ...	do. ...	2nd Bn., N. N. Regt. ...	do.
Captain F. J. Pye ...	do. ...	do. ...	18th February 1911.
BRITISH N.C.O.s.			
Saddler Sergeant A. W. Jones ...	Saddler Sergeant ...	Mounted Infantry, N. N. Regt. ...	11th February 1911.
Colour Sergeant W. McKinlay ...	Colour Sergeant ...	1st Bn., N. N. Regt. ...	18th February 1911.
Armourer A. Collins ...	Armourer Sergeant ...	2nd Bn., N. N. Regt. ...	26th February 1911.

WEST AFRICAN FRONTIER FORCE.

Leave of Absence.

76 LEAVE has been granted to the undermentioned Officers, as regards those proceeding to England, from the date of the arrival at its first port of call in the United Kingdom of the steamer which left Burutu on the date mentioned and for the period specified in the schedule below. As regards the Native Staff, from the date of the arrival of the steamer at the port mentioned in the "Remarks" column.

Rank and Name.	Unit.	Description of Leave.				Date on which steamer left Burutu.	Remarks.
		Vacation.		Return.			
		Months	Days	Months	Days		
Capt. R. G. Coles ...	1st Bn., N. N. Regt. ...	2	10	2	—	8th February 1911 ...	Full salary.
Lieut. A. H. Hobbs ...	2nd Bn., N. N. Regt. ...	2	30	2	—	do. ...	do.
Lieut. H. B. Spear ...	do. ...	2	—	2	—	do. ...	do.
Lieut. R. C. Westall ...	do. ...	2	—	2	—	do. ...	do.
Lieut. R. G. Geoghegan ...	do. ...	2	—	2	—	do. ...	do.
BRITISH N. C. O. 2/Sergt. W. Hunsworth ...	2nd Bn., N. N. Regt. ...	2	30	2	—	15th February 1911 ...	do.
NATIVE STAFF. Mr. Moses Thomas ...	3rd Grade Clerk, 2nd Bn., N.N.R....	3	—	—	—	1st February 1911 ...	do. Lagos.

Extension of Leave.

Rank and Name.	Unit.	Period.	From.	To.	Remarks.
Capt. T. N. Puckle ...	1st Bn., N. N. Regt. ...	3 months and 28 days	21st Nov. 1910	18th Mar. 1911	Ill-health. Army rate.
Lieut. H. V. R. Hodson ...	2nd Bn., N. N. Regt. ...	6 months ...	3rd Jan. 1911	29th June 1911	do. do.

WEST AFRICAN FRONTIER FORCE.

Transfer.

Rank and Name.	Appointment.	Transfer to.	New Appointment.	With effect from.
Capt. E. J. Wolseley ...	Company Commander 2nd Bn., N.N.R.	1st Bn., N. N. Regt. ...	Company Commander	5th October 1910.

Re-absorptions.

Rank and Name.	Appointment.	Unit.	Date of re-absorption into British Regiment.
Major F. Jenkins ...	Major ...	1st Bn., N. N. Regt. ...	17th February 1911.
BRITISH N.C.O. Sergeant E. Clutterbuck ...	1st Rating Sergeant ...	Artillery, N. N. Regt. ...	20th February 1911.

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Account of Cash Receipts and Payments from

RECEIPTS.	Head No.	In the month of September 1910.	From 1st April 1910 to 31st Aug. 1910.	Total from 1st April 1910 to 30th Sept. 10.
		£ s. d.	£ s. d.	£ s. d.
Balance 1st April 1910 ...		...	55,470 12 4	55,470 12 4
Balance 1st September 1910 ...		79,510 18 2	...	...
Land and Internal Revenue ...	1	17,036 8 0	31,426 17 5	48,463 5 5
Fees, Payments for Specific Services, &c. ...	2	327 4 7	1,712 6 1	2,039 10 8
Marine Earnings ...	3	2,616 13 6	7,742 2 8	10,358 16 2
Post Office and Telegrams ...	4	3,258 8 9	2,572 3 2	5,830 11 11
Customs Duties ...	5	3,998 15 2	6,943 16 9	10,942 11 11
Rents ...	6	104 3 9	1,003 16 2	1,107 19 11
Miscellaneous Receipts ...	7	124 18 2	729 2 10	854 1 0
Railway Earnings... ..	8	3,183 15 3	6,392 18 2	9,576 13 5
		30,650 7 2	58,523 3 3	89,173 10 5
Imperial Grant-in-aid ...	9	...	215,000 0 0	215,000 0 0
Contribution from Southern Nigeria ...	10	...	35,000 0 0	35,000 0 0
Total Revenue ...		30,650 7 2	308,523 3 3	339,173 10 5
Loan Account Southern Nigeria ...		...	46,400 0 0	46,400 0 0
Total including Loan Account ...		30,650 7 2	354,923 3 3	385,573 10 5
Advances Repaid B.K.R. Construction ...		48,757 0 6	187,011 13 11	235,768 14 5
Do. Sundry ...		4,846 3 5	10,261 7 3	15,107 10 8
Deposits ...		6,286 7 6	29,423 8 5	35,709 15 11
Drafts and Remittances ...		42,691 15 11	242,033 11 2	284,725 7 1
Imprests ...		996 18 3	1,965 17 9	2,962 16 0
Revenue Suspense Account ...		616 11 5	4,337 10 3	4,954 1 8
Unallocated Stores Suspense Acct. P.W.D. ...		774 6 8	3,613 17 7	4,388 4 3
Total Receipts ...		135,619 10 10	833,570 9 9	7969,190 0 5
Total including balance £		215,130 9 0	889,041 1 11	1,024,660 12 9

Zungeru,
6th February 1911.

1st April 1910 to 30th September 1910.

PAYMENTS.	Head No.	In the month of September 1910.	From 1st April 1910 to 31st Aug. 1910.	Total from 1st April 1910 to 30th Sept. 10.
		£ s. d.	£ s. d.	£ s. d.
Balance due to C.A. (Amt. overpaid) 1/4/10 ...		...	21,402 13 10	21,402 13 10
Governor's Office & Government House ...	1	435 1 10	2,363 13 10	2,798 15 8
Do. Special Map Compilation Staff ..	2	17 3 2	193 16 11	211 0 1
Secretariat and Printing ...	3	589 5 9	3,826 11 11	4,415 17 8
Political Department ...	4	5,986 1 11	31,405 7 2	37,391 9 1
Freed Slaves Home, Zungeru ...	5	...	57 18 5	57 18 5
Judicial ...	6	288 14 8	1,389 16 4	1,678 11 0
Treasury ...	7	524 1 1	2,881 6 3	3,405 7 4
Postal and Telegraphs ...	8	1,628 8 10	7,932 15 0	9,561 3 10
Medical ...	9	2,762 0 9	13,306 7 5	16,068 8 2
Audit ...	10	253 5 9	930 9 11	1,183 15 8
Police ...	11	1,923 13 8	9,779 3 3	11,702 16 11
Prisons ...	12	850 13 10	4,374 16 2	5,225 10 0
Transport ...	13	3,120 5 8	9,566 12 2	12,686 17 10
West African Frontier Force ...	14	13,380 19 11	62,907 19 3	76,288 19 2
Marine ...	15	4,678 4 9	23,586 16 2	28,265 0 11
Customs ...	16	242 5 7	782 8 9	1,024 14 4
Agricultural and Forestry Department ...	17	157 8 1	677 8 2	834 16 3
Mines ...	18	45 16 10	318 5 2	364 2 0
Miscellaneous ...	19	2,159 5 5	11,215 14 11	13,375 0 4
Pensions and Gratuities ...	20	166 4 2	929 8 9	1,095 12 11
Education ...	21	66 0 0	280 15 11	346 15 11
Cantonments ...	22	117 9 4	962 19 6	1,080 8 10
Public Works Department ...	23	1,045 4 10	4,899 10 0	5,944 14 10
Barijuko—Zungeru Tramway ...	24	177 0 8	836 8 11	1,013 9 7
Public Works Recurrent ...	25	555 11 0	2,191 12 2	2,747 3 2
Baro-Kano Railway ...	26	2,017 9 6	8,026 5 10	10,043 15 4
		43,187 17 0	205,624 8 3	248,812 5 3
Public Works Extraordinary ...	27	1,521 7 10	7,596 2 11	9,117 10 9
Interest on Loan ...	28	...	19,536 16 6	19,536 16 6
Total Expenditure ...		44,709 4 10	232,757 7 8	277,466 12 6
B.K. Railway Construction Expenditure ...		...	48,511 0 9	48,511 0 9
Total including B. K. R. Expenditure ...		44,709 4 10	281,268 8 5	325,977 13 3
Advances B. K. R. Construction ...		13,980 19 1	217,593 1 4	231,574 0 5
Do. Sundry ...		5,015 0 1	8,502 13 7	13,517 13 8
Repayment of Deposits ...		8,230 9 8	54,120 5 9	62,350 15 5
Drafts and Remittances ...		49,500 11 3	212,180 2 2	261,680 13 5
Imprests ...		965 0 0	2,203 8 9	3,168 8 9
Revenue Suspense Account ...		798 19 3	4,934 17 9	5,733 17 0
Unallocated Stores Suspense Acct. P.W.D. ...		394 7 6	7,324 12 2	7,718 19 8
Total Payments ...		123,594 11 8	788,127 9 11	911,722 1 7
Balance 31st August 1910 ...		...	79,510 18 2	...
Do. 30th September 1910... ..		91,535 17 4	...	91,535 17 4
Total including Balance ...		215,130 9 0	889,041 1 11	1,024,660 12 9

J. H. BRATT,
Treasurer.



Monthly Meteorological Return.

PLACE OF OBSERVATION.	TEMPERATURE.					RAINFALL.				OBSERVER	
	Highest in the Shade.	Lowest in the Shade.	Mean.	Greatest Diurnal Variation.	Mean relative Humidity.	Total.	Maximum on one day.	Daily average.	No. of days on which rain fell.		
	Deg.	Deg.	Deg.	Deg.	Deg.	Ins.	Ins.	Ins.	in. 100ths.		
MARCH 1910.						08	08	0025	1		Dr. Fox.
Kabwir C.M.S.						245	13	081	5	W.	" "
APRIL						128	55	041	9	S.E.	" "
Kabwir MAY.						233	11	0776	10	S.E.	" "
Kabwir JUNE.	100	58	797	40		459	11	148	12	S.E.	" "
Kaburi JULY.	93	59	743	32		816	18	263	13	S.E.	" "
Kabwir AUGUST.	91	60	748	31		504	118	168	15	S.E.	" "
Kabwir SEPTEMBER.	92	59	752	31		100	65	03	4	N.	" "
Kabwir OCTOBER.	94	61		29							" "
Kabwir JANUARY 1910.										N.E.	" "
Panyam C.M.S.	86	41		43							" "
FEBRUARY.										N.N.E.	" "
Panyam MARCH.	95	41		51							" "
Panyam APRIL.	102	43		52							" "
Panyam MAY.	99	51		44		265	191	088	6		" "
Panyam JUNE.	96	56	7604	36		313	82	100	11		" "
Panyam JULY.	95	60	7625	33		214	38	07	12		" "
Panyam AUGUST.	90	59	716	28		991	180	33	19	S.W.	" "
Panyam SEPTEMBER.	89	57	7082	28		1206	191	38	22		" "
Panyam OCTOBER.	89	58	7205	28		1014	184	33	20	S.	" "
Panyam NOVEMBER.	92	46		44		11	69	032	5		" "
Panyam DECEMBER.	92	41		49						S. by E.	" "
Panyam JANUARY 1911.	92	38		50						S. by E.	" "
Zungeru	99	60	80	35	44					N.E.	Dr. Thompstone.
Lokoja	96	60	81	30	62	08	08	002	1	S.W.	Dr. Chartres.
Sokoto	94	51	745	30	28	01	01	0003	1	N.E.	Dr. Dalziel.
Keffi	104	57	792	37	54					N.E.	Dr. Parsons.
Ankpa	94	50	77	34	66	16	16	05	1	S.W. or S.E.	Dr. Gush.
Zaria	101	51	7519	45	3448	04	04	001	1	N.E.	Dr. Porteous.
Bauchi	97	54	78	30	293					N.E.	Capt Bissell.
Kano	98	45	744	39	34					N.E.	Dr. Norman.
Ibi	97	05	81	30	70	77	34	025	4	S.W.	Dr. Pollard.
Baro	100	65	837	29	62				2	S.W. to N.W.	Dr. Watson.
Birnin Kebbi	99	52	750	37	34					N.E.	Dr. Lindsay & Munro.
Kontagora	99	57	783	41	311				1	S. to N.E.	Dr. McLeay.
Katagum	94	51	730	32	40	05	05	0016	1	N.E.	Dr. McCay.
FEBRUARY.											
Zungeru	103	65	839	37	31					N.E.	Dr. Fagan.

S. W. THOMPSTONE,
P. M. O.

28th February, 1911.

Printed by T. B. MACAULEY, Government Printer, Northern Nigeria.—000.
Copies of this Gazette can be obtained at the Chief Secretary's Office. Price 6d. each.

SUPPLEMENT TO
The Official Gazette
No. 2 OF 1911.

News Circular No. 3 of 1911.

OFFICIAL ZUNGERU, 3RD FEBRUARY, 1911.

1. *Sailings; Liverpool*.—25th January, Mr. G. B. Simpson, Deputy Postmaster General, Lieutenant W. Osborne, N.N.R., Mr. C. J. Caudell, Assistant Storekeeper, B.K.R., Mr. C. S. Hay, Foreman of Works, B.K.R., Sergeant H. E. Lane, R.A.M.C., Medical, Sergeant A. W. Jones, N.N.R., Mr. A. C. G. Hastings, Assistant Resident, Captain G. O. Nugent, Assistant Secretary, Dr. R. F. Williams, Dr. F. Manning, Medical Officers.

2. *Sailings; Burutu*.—1st February, Mr. C. L. Anderson, Assistant Treasurer, Captain D. A. Wallbach, Chief Transport Officer, Mr. J. Galloway, Fitter & Smith Marine, Mr. G. W. R. Bennett, Leveller, B.K.R., Mr. T. A. G. Budgen, Assistant Resident.

3. *Arrivals; Burutu*.—22nd January, Mr. W. Pritchard, Telegraph Inspector B.K.R., Mr. J. G. Kirk, Storekeeper P.W.D., Mr. A. Van der Meersch, Assistant Engineer B.K.R., Sergeant Major E. R. Slaney, N.N.R., Mr. C. R. R. Tailyour, Assistant Engineer B.K.R., Mr. A. E. Lane, Foreman of Works, B.K.R., Mr. W. Aekins, Foreman of Works B.K.R.

Postings.—Mr. A. C. G. Hastings, Bauchi.

His Excellency the Acting Governor and Suite left Headquarters yesterday to formally open Baro-Kano Railway Railhead at Zaria.

Obituary.—H. M. Osborne, D.S.P., Keffi.

News Circular No. 4.

OFFICIAL ZUNGERU, 27TH FEBRUARY, 1911.

1. *Sailings; Liverpool*.—1st February, Mr. H. Creighton, Traffic Inspector, B.K.R., Captain A. S. Lawrence, Assistant Resident, Lieutenant E. P. Nosworthy, R.N.R., Marine Officer, Sergeant M. Shearing, N.N.R., Mr. G. E. Goodwin, Foreman of Works, B.K.R., Colour Sergeant W. McKinlay, N.N.R., Mr. J. W. Vincent, Male Nurse Medical, Mr. K. V. Elphinstone, 3rd Class Resident, Captain F. J. Pye, N.N.R., Mr. J. Chartres, District Supt. of Police.

8th February.—Majors Cockburn & Macdouall, N.N.R., Mrs. H. M. Jones, Nursing Sister, Mr. E. Kewley, Deputy Assistant Traffic Manager, B.K.R., Sergeant A. T. Collins.

15th February.—Mr. J. F. Cahill, Gaol Keeper, Mr. W. Gosden, Fitter P.W.D., Mr. G. G. Pomeroy, Foreman of Works, B.K.R., Mr. J. M. Maxwell Lyte, Assistant Resident, Mr. F. B. Gall, 2nd Class Resident.

2. *Sailings; Burutu*.—8th February, Captain E. A. Brackenbury, Assistant Resident, Captain P.

Lonsdale, 3rd Class Resident, Major O. H. Ellis, Chief Construction Accountant, Lieutenant H. B. Spear, N.N.R., Lieutenant J. R. Geoghegan, N.N.R., Captain R. G. Coles, N.N.R., Lieutenant A. H. Hobbs, N.N.R., Lieutenant R. C. Westall, N.N.R., Major J. E. C. Blakeney, 2nd Class Resident.

15th February.—Mr. T. B. Phillips, Assistant Treasurer, Dr. H. G. Lewer, Medical Officer, Dr. A. J. T. Swan, Medical Officer, Sergeant W. J. Webster, R.A.M.C., Medical, Sergeant W. Hunsworth, N.N.R., Mr. F. H. Longhurst, for Accra.

22nd February.—Mr. E. S. Shamp, Foreman of Works, B.K.R., Mr. G. L. Monk, Assistant Resident, Mr. A. C. Francis, 3rd Class Resident, Mr. G. A. Wileman, Foreman of Works, B.K.R., Mr. H. E. Hicks, Chauffeur P.W.D.

3. *Arrivals; Burutu*.—28th January; Dr. A. Bremner, Medical Officer, Lieutenants C. P. James, and A. L. Wrenford, N.N.R., Mr. G. J. F. Tomlinson, Assistant Resident, Lieutenants A. C. Aubin, and A. W. Colley, N.N.R., Mr. E. N. Follwell, Storekeeper Marine, Sergeant F. Chantler, N.N.R., Sergeant R. Stacey, Platelayer B.K.R.

5th February.—Mr. H. B. Ryan, 3rd Class Resident, Captain S. J. B. Barnardiston, N.N.R., Mr. W. Scott Evans, Assistant Secretary, Lieutenant A. E. W. Capps, Assistant Marine Superintendent, Captain G. Seccombe, Assistant Resident, Captain P. H. Short, N.N.R., Dr. G. R. Twomey, Medical Officer, Mr. H. Stier, Assistant Engineer, B.K.R., Messrs. F. W. J. Haydon, and A. J. Hermitage, Engine Drivers B.K.R., Sergeant W. Phillips, Royal Engineers, B.K.R., Mr. K. R. Chatfield, Assistant Engineer, P.W.D.

11th February.—Mr. G. B. Simpson, Deputy Postmaster General, Captain G. O. Nugent, Assistant Secretary, Mr. A. C. G. Hastings, Assistant Resident, Dr. F. Manning, Dr. R. F. Williams, and Dr. H. C. Jeffreys, Medical Officers, Sergeant A. W. Jones, N.N.R., Mr. C. S. Hay, Foreman of Works, B.K.R., Sergeant A. E. Lane, R.A.M.C., Medical.

18th February.—Captain A. S. Lawrence, Asst. Resident, Lieutenant E. P. Nosworthy, Marine Officer, Captain F. J. Pye, N.N.R., Mr. K. V. Elphinstone, 3rd Class Resident, Mr. J. Chartres, District Superintendent of Police, Mr. J. W. Vincent, Male Nurse, Medical, Mr. H. Creighton, Traffic Inspector, B.K.R., Colour Sgt. W. McKinlay, N.N.R., Mr. G. E. Goodwin, Foreman of Works, B.K.R., Sergeant M. Shearing, N.N.R.

Postings.—Captain A. S. Lawrence, Nassarawa, Mr. K. V. Elphinstone, Bornu, Mr. J. M. Maxwell Lyte, Lokoja, Mr. F. B. Gall, Bauchi.

His Excellency the Acting Governor and Staff left Zungeru for Ilorin on 23rd instant and expect to return to Headquarters on 2nd proximo.



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Northern Nigeria Gazette.

No. 3. **EXTRAORDINARY.**

Vol. XII. WEDNESDAY, MARCH 1, 1911.

Government Notice.

PROCLAMATIONS No. 2 of 1911, "The Collective Punishment Proclamation, 1911," and No. 3 of 1911, "The Criminal Code Proclamation of 1911," are published by direction of the acting Governor.

The Forestry Proclamation.

REGULATION No. 9 (2) of 1st November 1906, is hereby cancelled.

By His Excellency's Command,

H. S. GOLDSMITH,
Acting Chief Secretary.

The Secretariat,

Zungeru, Northern Nigeria,

1st March, 1911.



A PROCLAMATION.

Enacted by the acting Governor of Northern Nigeria.

C. L. TEMPLE.
Acting Governor.



A PROCLAMATION to legalise the imposition of fines on towns, villages and communities and to regulate the procedure for the collection thereof.

BE IT ENACTED by the acting Governor of Northern Nigeria as follows:—

1. This Proclamation may be cited as the Collective Punishment Proclamation 1911.

2. The Governor may impose fines on all or any inhabitants of any village or district or members of any tribe or community if, after enquiry, he has found:—

(a) that they have colluded with, or harboured, or failed to take all reasonable means to prevent the escape of, any criminal;

Fine on villages, etc., accessory to crime.

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The Collective Punishment Proclamation 1911.

- (b) that they have suppressed, or combined to suppress, evidence in any criminal case;
- (c) that stolen property having been traced to within the limits of any village or district, they have failed or neglected to restore the property or to continue the search beyond the limits of such village or district;
- (d) that they have wilfully disobeyed, or neglected or refused to carry out, any lawful order given to them by the Resident;
- (e) that their conduct has been such as to require the employment of soldiers or police against them for the purpose of suppressing disturbances, or enforcing lawful orders or payment of taxes leviable under the law of the Protectorate;

and may order the whole or any part of the fines recovered under the provisions of paragraphs (a), (b), and (c) to be applied in compensation for the injury caused by the offence of which the criminal is accused or to which the criminal case relates, or in compensation to the owner of the stolen property.

Fine on villagers etc., where homicide is committed or attempted.

3. Where within any village or district a person is dangerously or fatally wounded by unlawful attack, or the body is found of a person believed to have been unlawfully killed, the inhabitants of such village or district or the members of any tribe or community resident therein shall be deemed to have committed an offence under the last foregoing section, unless they can shew that they

- (a) had not an opportunity of preventing the offence or arresting the offender; or
- (b) have used all reasonable means to bring the offender to justice.

Governor to determine limits of a village or district or define tribe or community.

4. The Governor may determine the limits of a village or district or define a tribe or community for the purpose of this Proclamation.

Proceedings to enforce payment of fines.

5. If the fines or any part of them are not paid within twenty-one days next after the date fixed for

The Collective Punishment Proclamation 1911.

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payment thereof, it shall be lawful for the Governor or for a Resident authorised by the Governor to direct that a distress be levied upon the lands of all or any of the persons upon whom the fines have been imposed in respect of the amount then remaining unpaid.

6. An inquiry under this Proclamation shall be conducted by a Resident or any Judicial Officer in the same manner as far as may be as an enquiry under the Criminal Procedure Proclamation. Inquiry—method of procedure.

7. An appeal shall not lie from any order made under this Proclamation, which shall be final and shall not be liable to be contested by suit or otherwise. Finality of orders

8. The Governor shall forthwith report to the Secretary of State every order made by him under this Proclamation and the grounds thereof and the proceedings thereunder. Governor to report to Secretary of State.

9. This Proclamation shall commence and come into operation on the twenty-eighth day of March in the year of our Lord, One thousand nine hundred and eleven. Commencement

Given under my hand and the Seal of the PROTECTORATE of NORTHERN NIGERIA this 28th day of February in the year of our Lord, one thousand nine hundred and eleven.

C. L. TEMPLE,
Acting Governor.

THIS PRINTED IMPRESSION has been carefully compared by me with the Proclamation which has been approved by the acting Governor and found by me to be a true and correct printed copy of the said Proclamation.

H. S. GOLDSMITH,
Acting Chief Secretary.



A PROCLAMATION.
Enacted by the acting Governor of Northern Nigeria.

C. L. TEMPLE,
Acting Governor.



A PROCLAMATION to amend the Criminal Code Proclamation.

BE IT ENACTED by the acting Governor of Northern Nigeria as follows:—

1. This Proclamation may be cited as the Criminal Code Proclamation 1911 and shall have effect as part of the Criminal Code.

2. The Criminal Code is hereby amended as follows:—

(1) The interpretation given to the term "Telegraph Department" in section 1 is amended by the addition at the end thereof of the following words:—
"and includes the Railway Department and any other public department in so far as it is either temporarily or permanently charged with any such duties."

Short title and construction.

Amendment of Schedule of No. 9 of 1911 Chap. X. Schedule.

Section 1 definition of Telegraph Department.

The Criminal Code Proclamation 1911. 9

(2) Section 201 is amended by substituting the word "person" for word "girl" in the first line thereof. Section 201.

3. This Proclamation shall commence and come into operation forthwith. Commencement.

Given under my hand and the Seal of the PROTECTORATE of NORTHERN NIGERIA this twenty-eighth day of February in the year of our Lord, one thousand nine hundred and eleven.

C. L. TEMPLE,
Acting Governor.

THIS PRINTED IMPRESSION has been carefully compared by me with the Proclamation which has been approved by the acting Governor and found by me to be a true and correct printed copy of the said Proclamation.

H. S. GOLDSMITH,
Acting Chief Secretary.





97

Hausa Examination.

UNDER the provisions of Government Standing Order No. 72, the undermentioned Officers passed:—

LOWER STANDARD.

Dr. J. M. Dalziel, Medical Officer, Medical Dept.
LOWER STANDARD PROGRESS EXAMINATION.

Dr. A. C. Parsons, Medical Officer, Medical Dept.
COLLOQUIAL TEST.

Captain A. W. C. Knox, 2nd Bn. N. N. Regt., dated 1st March, 1911.

Lieut. N. K. Street, 2nd Bn. N. N. Regt., dated 1st March, 1911.

Lieut. F. Cogan, Artillery, N. N. Regt., dated 15th October 1910.

COLLOQUIAL TEST.—NATIVE STAFF.

Mr. B. Acquah, 4th Grade Clerk, Political Dept.
Mr. J. E. Peters, 4th Grade Clerk, Mounted Infantry, N. N. Regt.

Mr. E. R. Silva, 4th Grade Clerk Secretariat.
Mr. S. H. Brew, 4th Grade Clerk Political.
Mr. T. W. Palmer, 4th Grade Clerk Political.

98

EXAMINATION FOR PROMOTION OF OFFICERS.

It is notified for information that at the Examination held at Home Stations in December, 1910, the undermentioned Officers passed in subjects stated against their names:—

Captain S. J. B. Barnardiston, D.S.O. Suffolk Regiment, (1st Bn. N. N. Regt.)—Subject (d).
Lieut. J. W. E. Boulderson, Royal Munster Fusiliers, (1st Bn. N. N. Regt.)—Subjects (d) and (j).

99

EXTRACT FROM LONDON GAZETTE.

The following extract from the London Gazette dated 7th October, 1910, is published for information:—

Quartermaster and Honorary Captain David Lees retires on retired pay, dated 8th October 1910.

Dated 7th February, 1911,
INFANTRY.

The Royal Fusiliers (City of London Regiment). The undermentioned Second Lieutenant to be Lieutenant:—

Harry H. Hebden, and to remain seconded. Dated 9th November, 1910.

100

RISE AND FALL OF THE RIVER BENUE FOR THE MONTH OF JANUARY 1911.

Date.	River. Benue.			
	Rise.		Fall.	
	In.	Out.	In.	Out.
Week ending 7th	1½	4	—	17
" " 14th	7	5	14	5
" " 21st	—	6½	—	12
" " 28th	—	6	—	14
" " 31st	—	5	—	5
Net Fall	1 ft. 6 ins.		3 ft. 3 ins.	

101

Errata.

The office of Mr. O. F. Duus is "Assistant Accountant Baro Kano Railway" and not as stated in Notice No. 26 of Gazette No. 1 of 1911.

The office to which Mr. W. Pritchard was appointed should be "Telegraph and Electrical Instruments Inspector, Baro Kano Railway" and not as appeared in Gazette No. 2 of 1911. Notice No. 23.

The return leave granted to Sergeant J. Quinn, Artillery, N. N. Regt., which appeared in Notice No. 36 of Gazette No. 1 of 31st January, 1911 is hereby cancelled.

The date of re-absorption of Captain T. N. Puckle, 1st Bn. N. N. Regt., is 8th February, 1911, and not as stated in Gazette No. 1 of 31st January, 1911. Notice No. 39.

The date of transfer of Major A. J. Digan to Gambia should be 21st December 1910, and not as stated in Gazette No. 12 of 1910.

The notice which appeared under Exclusive Prospecting Licence No. 148 should read "Jos Tin Areas" and not as stated in Notice No. 17 of Gazette No. 1 of 1911.

The office of Dr. K. McGahey, under Extension of leave should read "Medical Officer," and not as stated in Gazette No. 12 of 1911. Notice No. 69.

The notification of the re-absorption of Captain D. Lees, in Gazette No. 12 of 1910, is hereby cancelled.

The period of Extension of leave of Mr. C. W. Forbes, Engineer Marine, should be, to 31st December, 1910 and not as stated in Gazette No. 11 of 1910.

102

Obituary.

His Excellency the Acting Governor announces with deep regret the death of Mr. A. Rothwell, Assistant Traffic Manager B.K.R. which occurred in England on 1st March, 1911.

His Excellency the Acting Governor announces with deep regret the death from peritonitis of Mr. E. C. Bryant Assistant Resident, which occurred at Lokoja on the 24th March 1911.

His Excellency the Acting Governor announces with deep regret the death from cardiac failure of Mr. C. S. B. Stephens, 3rd Grade Clerk Audit Department which occurred at Baro on the 24th March 1911.

His Excellency the Acting Governor announces with deep regret the death from blackwater fever of Mr. C. R. Renny Tailyour, Assistant Engineer which occurred at Kateregi Camp, Niger Province, on 25th March 1911.

103

Allowance of Proclamation.

THE Right Honourable the Secretary of State for the Colonies has informed the Governor that His Majesty will not be advised to exercise his power of disallowance with respect to the undermentioned Proclamation of Northern Nigeria.

No. 7 of 1910, entitled "A Proclamation to empower the Governor to make rules for the proper and efficient control of cotton growing in the Protectorate and for importation or exportation of cotton or cotton seeds."

104

Post Office Notice.

IT is hereby notified for general information that on and from Wednesday March 8th the hours for public business at the Zungeru Post Office will be from 7 a.m. to 9 a.m., and 10 a.m. to 2 p.m. On Saturdays 7 a.m. to 9 a.m. 10 a.m. to noon.

By His Excellency's Command,
H. S. GOLDSMITH,
Acting Chief Secretary.

Chief Secretary's Office,
Zungeru, Northern Nigeria,
31st March, 1911

105

In the matter of the Estate of the late Mr. James C. Robertson, (Deceased).

NOTICE is hereby given that all creditors and other persons having any claims or demands upon or against the estate of the late James C. Robertson, deceased, who died at Burutu on or about the 10th day of January, 1911, intestate, are hereby required to send in particulars of their claims or demands to me the undersigned, or to the Provisional Administrator at Lokoja, on or before the 31st day of March, 1911, after which date I shall proceed to pay and distribute the assets of the said deceased among parties entitled thereto having regard only to claims of which notice shall then have been received.

And all persons indebted to the said estate are hereby requested to make immediate payment forthwith.

Dated at Zungeru this 1st day of March, 1911.

C. DECARDI NELSON,
Official Administrator.

Supreme Court Registry,
Northern Nigeria.



Commissions.

The following Commissions have been issued:—

Name.	Appointment.	Nature of Commission.	Province.	Period.	Date of Commission.
Mr. T. F. Carlyle	Assistant Resident	To exercise full Judicial powers of a Resident	Bauchi	While in charge Gombe Division	23rd Feb. 1911.
Mr. M. P. Porch	do.	To exercise Judicial Powers to try case of <i>Kes versus Jilado and Dabo</i> on charge manslaughter.	Zaria		2nd Mar. 1911.
Mr. C. M. Dunn	do.	To exercise Judicial powers up to one year's imprisonment, £25 fine and 12 lashes.	Nassarawa	While temporarily working part of Keffi Division	1st Mar. 1911.
Mr. H. C. Brooks	do.	To exercise Judicial powers up to one year's imprisonment, 12 lashes and £50 fine.	Sokoto	While in Sokoto Province	17th Mar. 1911.
Capt. W. I. Walton	D.S.P.	To exercise full Judicial powers of a Resident	Kabba	During the absence of the Resident Kabba Province from Headquarters	27th Jan. 1911.
Mr. J. F. Williams	Assistant Resident	To exercise Judicial powers up to one year's imprisonment 12 lashes and £50 fine	Sokoto	While in Sokoto Province	17th Mar. 1911.

Powers of Commanding Officer.

Under the provisions of Proclamation No. 9 of 1910 Schedule, Chapter XVIII, section 40, the Commandant, Northern Nigeria Regiment, West African Frontier Force, has, with the concurrence of the Governor, conferred the Powers of Commanding Officer on the following officers:—

Rank and Name.	Unit.	Whilst commanding Detachment at	Date of Warrant.	Remarks.
Lieut. J. M. Gillatt,	2nd Bn., N. N. Regt.	Katsena-Allah	8th March 1911.	
Lieut. G. E. O. F. Lambert,	1st Bn., N. N. Regt.	Birnin-Kebbi	11th March 1911.	
Lieut. W. E. Williams,	1st Bn., N. N. Regt.	Katagum	do.	

Appointments and Assumption of Duty.

Name.	Appointment.	Department.	Date of Appointment.	Date of Assumption of Duty.
Mr. F. Beckles Gall ^o	2nd Class Resident	Political	15th Feb. 1911	4th Mar. 1911.
Mr. J. F. Cahill†	Keeper of Gaols	Prisons	do.	do.
Mr. Granville George Pomeroy	Foreman of Works	Baro-Kano Railway	do.	do.
Mr. W. Gosden	Fitter	Public Works	do.	do.
Mr. James Young	Traffic Inspector	Baro-Kano Railway	22nd Feb. 1911	13th Mar. 1911.
Mr. James Walter Fenwick	do.	do.	do.	do.
Mr. James George Reynolds†	Nursing Sister	Medical	do.	do.
Miss Edith Anne Bott	Assistant Accountant	Baro-Kano Railway	1st Mar. 1911	18th Mar. 1911.
Mr. Charles George Reynolds†	Nursing Sister	Medical	8th Mar. 1911	25th Mar. 1911.
Miss Edith Maud Deering	do.	do.	do.	do.
Miss Elizabeth Moorehead	do.	do.	do.	do.
Mr. Francis Le Curieux Belmar	Junior Assistant Treasurer	Treasury	do.	do.
NATIVE STAFF.				
Mr. John Emanuel Lartey	4th Grade Clerk	Political	1st Feb. 1911	Engaged locally.
Mr. D. S. Cole	4th Grade Sorting Clerk and Telegraphist	Postal and Telegraphs	1st Mar. 1911	do.
Mr. Francis Addo	Cook	Medical	do.	do.

*Re-transferred from Southern Nigeria.

†Formerly B.K.R.

‡Transferred from Lagos Government Railway.

Transfer.

Name.	Appointment.	Transfer to.	New Appointment.	With effect from.
Mr. G. F. Price	Accountant, P.W.D.	Treasury	Assistant Treasurer	8th March 1911.



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Resignations.

Name.	Appointment.	Department.	With effect from.	Remarks.
Capt. H. W. Peebles ...	Assistant Resident ...	Political ...	17th March 1911.	
NATIVE STAFF.				
Mr. E. C. Walcott ...	Warder ...	Prisons ...	17th January 1911.	
Mr. E. Shidi ...	Labour Master ...	Cantonment ...	31st March 1911.	

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Retirements.

Name.	Appointment.	Department.	With effect from	Remarks.
Mr. A. Covey ...	Assistant Resident ...	Political ...	18th January 1911 ...	Ill-health.
Mr. F. A. Marquis ...	Chief Storekeeper ...	Marine ...	21st January 1911 ...	---

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WEST AFRICAN FRONTIER FORCE.
Appointment and Assumption of Duty.

Rank and Name.	Appointment.	Unit	Date of Appointment.	Date of Assumption of Duty.
Lieut. Thomas Strange Wickham, D.S.O., (Manchester Regt.) ...	Company Officer ...	1st Bn. N. N. Regt. ...	8th March 1911 ...	25th March 1911.
Lieut. John Victor Macartney, (Leinster Regiment) ...	do. ...	do. ...	do. ...	do.
BRITISH N.C.O.				
Battery Sergt. Major William Henry Simpson, (Royal Horse Artillery.) ...	2nd Rating Sergeant ...	Artillery N. N. Regt., ...	22nd February 1911	13th March 1911.
NATIVE STAFF.				
Mr. J. O. E. Appiah ...	Leatherworker (Temporarily) ...	1st Bn. N. N. Regt. ...	21st March 1911 ...	21st March 1911. (Engaged locally.)

121

Resumption of Duty.

Rank and Name.	Appointment.	Unit.	Date.
Lieut. P. Lyon ...	Company Officer ...	2nd Bn., N. N. Regt. ...	18th March 1911.
Major E. C. Hides ...	Quartermaster ...	Mounted Infantry, N. N. Regt. ...	25th March 1911.
BRITISH N.C.Os.			
Sergt. Major P. G. Noott ...	Sergeant Major ...	1st Bn., N. N. Regt. ...	18th March 1911.
Quartermaster Sergt. W. Vicars ...	Quartermaster's Sergeant ...	do. ...	do.
O. R. Sergt. H. W. Johnson ...	Orderly Room Sergeant ...	do. ...	do.
Armourer Sergt. J. Swain ...	Armourer Sergeant ...	do. ...	do.
Sergt. A. M. Jarvis ...	1st Rating Sergeant ...	Mounted Infantry, N. N. Regt., ...	do.
NATIVE STAFF.			
Mr. S. G. Mensah ...	4th Grade Clerk ...	2nd Bn., N. N. Regt. ...	25th March 1911.
Mr. J. O. Morson ...	do. ...	1st Bn., N. N. Regt. ...	do.

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OFFICIAL

THE NORTHERN NIGERIA GAZETTE.

MARCH 31, 1911.

MARCH 31, 1911.

THE NORTHERN NIGERIA GAZETTE.

OFFICIAL

52

WEST AFRICAN FRONTIER FORCE.

Leave of Absence.

122 LEAVE has been granted to the undermentioned Officers, as regards those proceeding to England, from the date of the arrival at its first port of call in the United Kingdom of the steamer which left Burutu on the date mentioned and for the period specified in the schedule below. As regards the Native Staff, from the date of the arrival of the steamer at the port mentioned in the "Remarks" column.

Rank and Name.	Unit.	Description of Leave.				Date on which steamer left Burutu.		Remarks.
		Vacation.		Return.		Months	Days	
		Months	Days	Months	Days			
Capt. W. F. Gilchrist	1st Bn., N. N. Regt.	2	20	2	...	1st March 1911	Full salary.	
Lieut. T. G. Horn	do.	2	...	2	...	do.	do.	
Capt. W. T. Wilkinson, D.S.O.	Mounted Infantry, N. N. Regt.	2	...	2	...	15th March 1911	do.	
Lieut. R. B. Clifton	1st Bn., N. N. Regt.	2	...	2	...	do.	do.	
Lieut. J. O. Hopkinson	do.	2	20	2	...	do.	do.	
Lieut. W. T. Wylie	2nd Bn., N. N. Regt.	2	...	2	...	22nd March 1911	do.	
Lieut. C. H. Ching	do.	2	...	2	...	29th March 1911	do.	
<i>Invalidd.</i>								
Lieut. F. J. L. Cogan	Artillery, N. N. Regt.	—	50	—	50	do.	do.	
BRITISH N. C. Os.								
1/R Sergt. C. Howse	Artillery, N. N. Regt.	2	10	—	...	8th March 1911	do.	
Armourer R. Hill	2nd Bn., N. N. Regt.	2	...	2	...	15th March 1911	do.	
NATIVE STAFF.								
Mr. G. P. Hamilton	3rd Grade Clerk, M. I., N. N. R.	3	...	—	...	29th March 1911	do. Sierra Leone.	
Mr. J. B. Sagoe	Leatherworker, 1st Bn., N. N. Regt.	3	...	—	...	do.	Without salary. Cape Coast.	

123

Extension of Leave.

Rank and Name.	Unit.	Period.	From.	To.	Remarks.
Capt. W. D. Barber	1st Bn., N. N. Regt.	7 months and 20 days	29th Nov. 1910	18th July 1911	Ill-health. Army rate.
Lieut. P. Lyon	2nd Bn., N. N. Regt.	2 weeks	15th Feb. 1911	28th Feb. 1911	Urgent private affairs, without salary.
Lieut. G. de Grey	do.	2 months	22nd Feb. 1911	21st April 1911	Ill-health. Half salary.
Capt. L. C. Brodie	Mounted Infantry, N. N. Regt.	—	28th Feb. 1911	14th April 1911	do.
NATIVE STAFF.					
Mr. S. G. Mensah	4th Grade Clerk, 2nd Bn., N. N. R.	2 weeks	10th March 1911	23rd Mar. 1911	Urgent private affairs, without salary.
Mr. E. P. Benin	4th Grade Clerk, 1st Bn., N. N. R.	1 month	24th March 1911	23rd April 1911	do.

124

Re-absorptions.

Rank and Name.	Appointment.	Unit.	Date of re-absorption into British Regiment.
Captain F. Call	Company Officer	1st Bn., N. N. Regt.	18th October 1910.
Captain G. W. Robinson	Company Commander	2nd Bn., N. N. Regt.	20th December 1910.
Captain T. N. Puckle	do.	1st Bn., N. N. Regt.	8th February 1911.
Captain E. E. White	Company Officer	do.	19th March 1911.

Account of Cash Receipts and Payments from

RECEIPTS.	Head No.	In the month of October 1910		From 1st April 1910 to 30th Sept. 1910.		Total from 1st April 1910 to 31st Oct., 10.	
		£	s. d.	£	s. d.	£	s. d.
Balance 1st April 1910	...	...	...	55,470	12 4	55,470	12 4
Balance 1st October 1910	...	91,535	17 4	...	...	...	...
Land and Internal Revenue	1	18,592	16 8	48,463	5 5	67,056	2 1
Fees, Payments for Specific Services, &c.	2	225	13 4	2,039	10 8	2,265	4 0
Marine Earnings	3	1,995	10 2	10,358	16 2	12,354	6 4
Post Office and Telegrams	4	...	...	5,830	11 11	5,830	11 11
Customs Duties	5	2,511	5 4	10,942	11 11	13,453	17 3
Rents	6	71	8 3	1,107	19 11	1,179	8 2
Miscellaneous Receipts	7	15	3 5	854	1 0	869	4 5
Railway Earnings...	8	897	17 6	9,576	13 5	10,474	10 11
		24,309	14 8	89,173	10 5	113,483	5 1
Imperial Grant-in-aid	9	20,000	0 0	215,000	0 0	235,000	0 0
Contribution from Southern Nigeria	10	17,500	0 0	35,000	0 0	52,500	0 0
Total Revenue		61,809	14 8	339,173	10 5	540,983	5 1
Loan Account Southern Nigeria		75,000	0 0	46,400	0 0	121,400	0 0
Total including Loan Account		136,809	14 8	385,573	10 5	552,383	5 1
Advances Repaid B.K.R. Construction		82,391	19 3	1,235,768	14 8	5,318,160	13 6
Do. Sundry		3,009	5 3	15,107	10 8	18,116	15 11
Deposits		8,189	18 9	35,709	15 11	43,899	14 8
Drafts and Remittances		23,634	6 7	284,725	7 7	1,308,359	13 8
Imprests		530	19 2	2,962	16 0	3,493	15 2
Revenue Suspense Account		3,034	6 4	4,954	1 8	7,988	8 0
Unallocated Stores Suspense Acct. P.W.D.		1,026	10 1	4,388	4 3	5,414	14 4
Total Receipts		258,626	19 11	969,190	0 5	1,227,817	0 4
Total including balance	£	350,162	17 3	1,024,660	12 9	1,283,287	12 8

Zungeru,
24th February 1911.

1st April 1910 to 31st October 1910.

PAYMENTS.	Head No.	In the month of October 1910.		From 1st April 1910 to 30th Sept. 1910.		Total from 1st April 1910 to 31st Oct., 10.	
		£	s. d.	£	s. d.	£	s. d.
Balance due to C.A. (Amt. overpaid) 1/4/10	...	...	...	21,402	13 10	21,402	13 10
Governor's Office & Government House	1	556	4 7	2,798	15 8	3,355	0 3
Do. Special Map Compilation Staff	2	23	12 11	211	0 1	234	13 0
Secretariat and Printing	3	634	11 2	4,415	17 8	5,050	8 10
Political Department	4	6,287	15 3	37,391	9 1	43,679	4 4
Freed Slaves Home, Zungeru	5	...	...	57	18 5	57	18 5
Judicial	6	272	1 7	1,678	11 0	1,950	12 7
Treasury	7	550	5 10	3,405	7 4	3,955	13 2
Postal and Telegraphs	8	1,342	16 9	9,561	3 10	10,904	0 7
Medical	9	2,667	19 2	16,068	8 2	18,736	7 4
Audit	10	183	8 2	1,183	15 8	1,367	3 10
Police	11	1,959	5 7	11,702	16 11	13,662	2 6
Prisons	12	880	13 10	5,225	10 0	6,106	3 10
Transport	13	2,168	14 8	12,686	17 10	14,855	12 6
West African Frontier Force	14	15,321	14 7	76,288	19 2	91,610	13 9
Marine	15	4,969	4 10	28,265	0 11	33,234	5 9
Customs	16	207	9 1	1,024	14 4	1,232	3 5
Agricultural and Forestry Department	17	1,161	14 1	834	16 3	1,996	10 4
Mines	18	92	17 6	364	2 0	456	19 6
Miscellaneous	19	2,570	17 6	13,375	0 4	15,945	17 10
Pensions and Gratuities	20	309	19 1	1,095	12 11	1,405	12 0
Education	21	106	9 10	346	15 11	453	5 9
Cantonments	22	156	3 3	1,080	8 10	1,236	12 1
Public Works Department	23	1,001	6 11	5,944	14 10	6,946	1 9
Barijuko—Zungeru Tramway	24	194	7 6	1,013	9 7	1,207	17 1
Public Works Recurrent	25	792	16 1	2,747	3 2	3,539	19 3
Baro-Kano Railway	26	1,831	12 8	10,043	15 4	11,875	8 0
		46,244	2 5	248,812	5 3	295,056	7 8
Public Works Extraordinary	27	1,207	1 4	9,117	10 9	10,324	12 1
		47,451	3 9	257,929	16 0	305,380	19 9
Interest on Loan	28	11,194	7 4	19,536	16 6	30,731	3 10
Total Expenditure		58,645	11 1	277,466	12 6	633,612	3 7
B.K. Railway Construction Expenditure		80,321	19 3	48,511	0 9	128,833	0 0
Total including B. K. R. Expenditure		138,967	10 4	325,977	13 3	346,445	3 7
Advances B. K. R. Construction		76,795	15 2	231,574	0 5	530,369	15 7
Do. Sundry		6,172	17 9	13,517	13 8	19,690	11 5
Repayment of Deposits		3,379	19 11	62,350	15 5	65,730	15 4
Drafts and Remittances		29,001	0 1	261,680	13 5	290,681	13 6
Imprests		391	0 4	3,168	8 9	3,559	9 1
Revenue Suspense Account		625	14 2	5,733	17 0	6,359	11 2
Unallocated Stores Suspense Acct. P.W.D.		1,039	2 7	7,718	19 8	8,758	2 3
Total Payments		256,373	0 4	911,722	1 7	1,168,095	1 11
Balance 30th September 1910		...	...	91,535	17 4	...	...
Do. 31st October 1910		93,789	16 11	...	...	93,789	16 11
Total including Balance		350,162	17 3	1,024,660	12 9	1,283,287	12 8

J. H. BRATT,
Treasurer.

126 Account of Cash Receipts and Payments from

RECEIPTS.	Head No.	In the month of November 1910.		From 1st April 1910 to 31st Oct. 1910.		Total from 1st April 1910 to 30th Nov. 1910	
		£	s. d.	£	s. d.	£	s. d.
Balance 1st April 1910				55,470	12 4	55,470	12 4
Balance 1st November 1910		93,789	16 11				
Land and Internal Revenue	1	14,097	4 11	67,056	2 1	81,153	7 0
Fees, Payments for Specific Services, &c.	2	272	14 2	2,265	4 0	2,537	18 2
Marine Earnings	3	1,589	1 2	12,354	6 4	13,943	7 6
Post Office and Telegrams	4			5,830	11 11	5,830	11 11
Customs Duties	5	2,516	19 3	13,453	17 3	15,970	16 6
Rents	6	72	8 7	1,179	8 2	1,251	16 9
Miscellaneous Receipts	7	7	10 2	869	4 5	876	14 7
Railway Earnings	8	1,303	12 8	10,474	10 11	11,778	3 7
		19,859	10 11	113,483	5 1	133,342	16 0
Imperial Grant-in-aid	9	11,000	0 0	235,000	0 0	246,000	0 0
Contribution from Southern Nigeria	10			52,500	0 0	52,500	0 0
Total Revenue		30,859	10 11	400,983	5 1	431,842	16 0
Loan Account Southern Nigeria				121,400	0 0	121,400	0 0
Total including Loan Account		30,859	10 11	522,383	5 1	553,242	16 0
Advances Repaid Baro-Kano Railway Construction		2,523	5 7	318,160	13 6	320,683	19 1
Do. Sundry		1,284	14 8	18,116	15 11	19,401	10 7
Deposits		6,817	12 4	43,899	14 8	50,717	7 0
Drafts and Remittances		23,491	1 3	308,359	13 8	331,850	14 11
Imprests		767	2 8	3,493	15 2	4,260	17 10
Revenue Suspense Account		1,393	8 5	7,988	8 0	9,381	16 5
Unallocated Stores Suspense Acct. P.W.D.		602	0 0	5,414	14 4	6,016	14 4
Total Receipts		67,738	15 10	1,227,817	0 4	1,295,555	16 2
Balance due to C.A. (amount overpaid) 30/11/10.		9,392	14 2			9,392	14 7
Total including balance		170,921	7 4	1,283,287	12 8	1,360,419	3 1

Zungeru,
24th March 1911.

1st April 1910 to 30th November 1910.

PAYMENTS.	Head No.	In the month of November 1910.		From 1st April 1910 to 31st Oct. 1910.		Total from 1st April 1910 to 30th Nov. 1910	
		£	s. d.	£	s. d.	£	s. d.
Balance due Crown Agents amount overpaid 1/4/10.				21,402	13 10	21,402	13 10
Governor's Office & Govt. House	1	448	10 3	3,355	0 3	3,803	10 6
Do. Map Compilation Staff	2	128	12 8	234	13 0	363	5 8
Secretariat and Printing	3	709	9 2	5,050	8 10	5,759	18 0
Political Department	4	6,510	8 7	43,679	4 4	50,189	12 11
Freed Slaves Home, Zungeru	5			57	18 5	57	18 5
Judicial	6	300	19 5	1,950	12 7	2,251	12 0
Treasury	7	634	13 3	3,955	13 2	4,590	6 5
Postal and Telegraphs	8	1,344	6 5	10,904	0 7	12,248	7 0
Medical	9	2,738	16 4	18,736	7 4	21,475	3 8
Audit	10	241	18 4	1,367	3 10	1,609	2 2
Police	11	2,453	14 6	13,662	2 6	16,115	17 0
Prisons	12	855	18 9	6,106	3 10	6,962	2 7
Transport	13	2,329	15 7	14,855	12 6	17,185	8 1
West African Frontier Force	14	11,392	5 7	91,610	13 9	103,002	19 4
Marine	15	3,869	6 8	33,234	5 9	37,103	12 5
Customs	16	172	8 3	1,232	3 5	1,404	11 8
Agricultural and Forestry	17	114	6 8	1,996	10 4	2,110	17 0
Mines and Mineral Survey	18	73	6 0	456	19 6	530	5 6
Miscellaneous	19	2,228	12 7	15,945	17 10	18,174	10 5
Pensions and Gratuities	20	87	3 7	1,405	12 0	1,492	15 7
Education	21	60	15 0	453	5 9	514	0 9
Cantonments	22	145	12 8	1,236	12 1	1,382	4 9
Public Works Department	23	827	17 11	6,946	1 9	7,773	19 8
Barijuko—Zungeru Tramway	24	176	12 11	1,207	17 1	1,384	10 0
Public Works Recurrent	25	515	5 5	3,539	19 3	4,055	4 8
Baro-Kano-Railway	26	2,485	4 4	11,875	8 0	14,360	12 4
Public Works Extraordinary	27	40,846	0 10	295,056	7 8	335,902	8 6
Interest on Loan	28	1,358	12 0	10,324	12 1	11,683	4 1
Total Expenditure		42,204	12 10	395,380	19 9	347,585	12 7
B.K.R. Construction Expenditure				30,731	3 10	30,731	3 10
Total including B.K.R. Expenditure		42,204	12 10	464,945	3 7	507,149	16 5
Advances B.K.R. Construction		20,077	10 10	308,369	15 7	328,447	6 5
Do. Sundry		1,407	1 11	19,690	11 5	21,157	13 4
Repayment of Deposits		6,318	17 4	65,730	15 4	72,049	12 8
Drafts and Remittances		25,204	16 2	290,681	13 6	315,886	9 8
Imprests		710	4 8	3,559	9 1	4,269	13 9
Revenue Suspense Account		57	0 10	6,359	11 2	6,416	12 0
Unallocated Stores Suspense Acct. P.W.D.		767	3 11	8,758	2 3	9,525	6 2
Total Payments		96,807	8 6	1,168,095	1 11	1,264,902	10 5
Balance 31st October, 1910				93,789	16 11		
Do. 30th November, 1910		74,113	18 10			74,113	18 10
Total including balance		170,921	7 4	1,283,287	12 8	1,360,419	3 1

J. H. BRATT,
Treasurer.

LOKOJA CANTONMENT FUND ACCOUNTS, ANNUAL STATEMENT.
1ST JANUARY TO 31ST DECEMBER, 1910.

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1910	Receipts.			Payments.		
	£	s.	d.	£	s.	d.
To Balance on 31st Dec. 1909 ...			5	954	4	5
Amounts collected as under:-						
" Assessment Tax ...	23	5		23	7	3
" Conservancy Tax ...	203	11	2	215	8	3
" Grant to Lokoja Cantonment	135	6	9	11	10	9
" Advances ...	908	3	2	44	13	6
" P. W. D. Extraordinary ...	0	10	0	24	0	0
	44	13	6	5	6	7
				13	12	11
	1,315	10	0		18	19
				1,315	10	0

Audited and found correct.
PERCIVAL L. COLLISON,
Assistant Auditor

Lokoja,
4th January, 1911.

BERTRAM D. BYFIELD,
Cantonment Magistrate.

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Monthly Meteorological Return.

PLACE OF OBSERVATION.	TEMPERATURE.					RAINFALL.				Prevailing Wind. p. m.	OBSERVER
	Highest in the Shade.	Lowest in the Shade.	Mean.	Greatest Diurnal Variation.	Mean relative Humidity p. m.	Total.	Maximum on one day.	Daily average.	No. of days on which rain fell.		
JANUARY.	Deg.	Deg.	Deg.	Deg.	Deg.	Ins.	Ins.	Ins.			
Yola - - -	99	65	82	28	56	-	-	-	-	N.	Dr. Costello.
Geidam - - -	107	49	72	48	29.7	-	-	-	-	N.E.	Dr. Chesnaye.
FEBRUARY.											
Ankpa - - -	97	52	78.4	41	61	-	-	-	-	S.W. or S.E.	Dr. Gush.
Kano - - -	101	49	73.4	45	29	-	-	-	-	N.E.	Dr. Norman.
Baro - - -	105	70	88	32	51	-	-	-	-	S.W.	Dr. Manning.
Kontagora - - -	101	60	82	39	28.5	-	-	-	-	E.	Dr. McLeay.
Ibi - - -	104	63	84.8	36	45	-	-	-	-	N.E.	Dr. Pollard.
Katagum - - -	103	48	74.9	48	32.4	-	-	-	-	N.E.	Dr. McCay.
Keffi - - -	101	53	79	47	40	-	-	-	-	N.E.	Dr. Parsons.
Lokoja - - -	101	61	83.5	35	59	-	A few drops.	-	1	N.E.	Dr. Chartres.

31st March, 1911.

J. P. FAGAN,
Deputy P. M. O.

Printed by T. B. MACAULBY, Government Printer, Northern Nigeria, -600.
Copies of this Gazette can be obtained at the Chief Secretary's Office. Price 6d. each.

SUPPLEMENT TO The Official Gazette No. 3 of 1911.

THE following Forms of Risk Notes for use on the Baro Kano Railway are published for general information:—

Baro Kano Railway. RISK NOTE FORM "C"

(To be used when at Senders' request open trucks are used for the conveyance of goods liable to damage when so carried, and which under other circumstances would be carried in covered wagon.)

WHEREAS the consignment of... Station, harmless and free from all responsibility for any loss, destruction or deterioration of, or damage to, all or any of such consignments from any cause whatever before, during and after transit over the said Railway or other Railway lines working in connection therewith or by any other transport agency or agencies employed by them respectively for carriage of the whole or any part of the said consignments.

special reduced or owner's risk rates, do hereby agree and undertake to hold the Baro Kano Railway Administration and also all other transport agents or carriers employed by them respectively, over whose railways or by or through whose transport agency or agencies the said goods or animals may be carried in transit from... Station, harmless and free from all responsibility for any loss, destruction or deterioration of, or damage to, all or any of such consignments from any cause whatever before, during and after transit over the said Railway or other Railway lines working in connection therewith or by any other transport agency or agencies employed by them respectively for carriage of the whole or any part of the said consignments.

Witness Signature of Sender... Profession... Residence...

Extract from Dr. Dalziel's report on Tsetse fly locality in Sokoto Province.

- 1. On the main road between Anka and Banaga, Tsetse flies are found at the following localities:— (a) Bayassa, 15 miles S of Anka and 2 from Bagega—G. Moristans. (b) In the 3 mile belt of high woods beginning at 6 miles S of Bagega and ending at 3 miles N. of Banaga—G. Moristans. (c) Fassa, a tributary of the Banaga river 2 1/2 miles N. of Banaga—G. Moristans and G. Tachinoides. (d) Matakuri ravine near Daraga—G. Moristans. 2. They are found on streams or in the bush away from the main road, at:— (a) Korammar Seji near Bagega—G. Moristans and G. Tachinoides. (b) Korammar Karawai near Bagega—G. Moristans. (c) Baudi, 4 miles N.E. of Banaga—G. Moristans and G. Tachinoides. (d) West of Banaga, from the stream Fulani through the bush to Kaikenni 4 miles from the town. G. Moristans and in places G. Tachinoides.

Baro Kano Railway. RISK NOTE FORM "H"

(To be used as an alternative to Risk Note Form "B" when a Sender desires to enter into a general agreement instead of executing a separate Risk Note for each consignment.)

WHEREAS all consignments of goods or animals for which the Baro Kano Railway quotes both owner's risk or special reduced rates and railway risk or ordinary rates are (unless I shall have entered into a special contract in relation to any particular consignment) despatched by me, (as) at my, (our) own risk and are charged for by the said Railway Administration at special reduced or owner's risk rates instead of at ordinary tariff or railway risk rates. I, the undersigned, in consideration of such consignments being charged for at the

Other less important blood-sucking flies found in those various localities are:—

- Tabanus Taeniola (Pal. de Beauv) T. Biguttatus, (Wied) T. Africanus, (Gray) T. Latifus, (Macy) T. Par. (Walk) T. Gratus, (Loew) Chrysops Distinctipennis (Aust) Hematopota Bullatifrons (Aust) Aematopota sp.

Several cases have recently occurred of horses (passed as free from tsetse in Zungeru) having developed tsetse after arriving at Sokoto. It is very probable that they were infected on the road.

Officers are therefore warned to keep a vigilant lookout for the fly as it is often possible, unless the flies are very numerous, to prevent one's horses being bitten either by cantering on till free of the belt or by watching the horse and not allowing the tsetse fly to settle. Officers who take their horse into the bush away from the road between Kotonkoro and Anka run a considerable risk.

Marine Rates alteration in Official Guide.

ON and after the 13th of March deck fares on the Niger will be reduced to 1/4d. a mile. On the Kaduna 1/4d. a mile and on the Benue 1/4d. a mile to Loko and 1/4d. a mile for sections of the river above that port. Fares will be calculated to the nearest 3d., a 1 1/4d. or more being counted as 3d. and less to the 1/4d. not being taken into consideration.

The following Schedule of amended Deck Fares is published for general information:—

The necessary alterations must be made in ticket books of Deck Fares.

DECK PASSAGE RATES BARO & ALL PORTS ON NIGER.

Table with columns: Station, Distance, Deck, s. d. Lists stations like Muech, Jamatar, Lokoja, Gbebe, Etohe (Ajikuta), Egori, Idah, Illushi, Illah (Ebu), Asaba, Onitsha, Abutshi, Atane, Osuchi, Agbakuma, Munankor, Odugri, Aboh, Asseh, Patani, Sagbama, Syama, Frukama, Gana Gana, Warri Creek, Burutu, Forcados, Egga (Katcha), Muraji, Shonga, Rabba, Jebba.

Minimum 1st Class Cabin 1/-. 1st Class Deck 1/6. Deck 6d.

DECK PASSAGE RATES LOKOJA & ALL NIGER PORTS.

Table with columns: Station, Distance, Deck, s. d. Lists stations like Gbebe, Etohe (Ajikuta), Egori, Idah, Illushi, Illah (Ebu), Asaba, Onitsha, Abutshi, Atane, Osuchi, Agbakuma, Munankor, Odugri, Aboh, Asseh, Patani, Sagbama, Syama, Frukama, Gana Gana, Warri Creek, Burutu, Forcados.

DECK PASSAGE RATES ONITSHA & ALL NIGER PORTS.

Table with columns: Station, Distance, Deck, s. d. Lists stations like Abutshi, Atane, Osuchi, Agbakuma, Munankor, Odugri, Aboh, Asseh, Patani, Sagbama, Syama, Frukama, Gana Gana, Warri Creek, Burutu, Forcados, Asaba, Illah (Ebu), Illushi, Idah, Egori, Etohe (Ajikuta), Gbebe, Lokoja.

DECK PASSAGE RATES FORCADOS AND ALL NIGER PORTS.

	Distance.	Deck.	s. d.	
			s.	d.
Burutu	5	6
Warri Creek	25	1 0
Gana Gana	35	1 0
Frukana	37	1 6
Syama	54	2 3
Sagbama	90	3 9
Patani	100	4 3
Assch	108	4 6
Aboh	147	6 3
Odugri	157	6 6
Munakor	175	7 3
Agbakuma	181	7 6
Osuchi	185	7 9
Atane	189	8 0
Abutshi	197	8 3
Onitsha	201	8 6
Asaba	205	8 6
Ihali (Ebu)	227	9 6
Ihushi	246	10 3
Idah	281	11 9
Egori	285	12 0
Etobe (Ajikuta)	308	12 9
Gbebe	334	14 0
Lokoja	337	14 0
Jamatar	361	15 0
Muyeh	377	15 9
Baro Terminus	407	17 0

DECK PASSAGE RATES LOKOJA AND ALL PORTS ON DENUE.

	Distance.	Deck.	£ s. d.	
			£	s. d.
Mozum	13	6
Romasha	42	1 9
Bagama, (Amagedi)	64	2 9
Loko	85	3 6
Odeni	101	4 6
Akwanaga	135	6 9
Abinsi	165	8 6
Tunga	201	10 9
Ibi	225	12 3
Amar	290	16 3
Lau	300	1 0 9
Djen	372	1 1 6
Numan	420	1 4 6
Yola	467	1 7 6

DECK RATES JEBBA—BARO.

	Distance.	Deck.	s. d.	
			s.	d.
Rabba	15	6
Shonga	30	1 3
Muraji	78	3 3
Egga (Katcha)	120	5 0
Baro	130	6 6

Minimum 1st Class Cabin 4/- 1st Class Deck 1/- Deck 6/.

DECK RATES MURAJI—BARIJUKO.

	Distance.	Deck.	s. d.	
			s.	d.
Dakmon	35	2 3
Barijuko	85	5 3

INTERMEDIATE FORCADOS—BURUTU.

	Distance.	Deck.	s. d.	
			s.	d.
Burutu	5	6
Warri	30	1 3
Burutu to Warri	25	1 0

Minimum 1st Class Cabin 4/- 1st Class Deck 1/- Deck 6/.

News Circular No. 5 of 1911.

1. *Sailings; Liverpool*:—22nd February, Messrs. J. Young and J. W. Fenwick, Traffic Inspectors, B.K.R., Miss E. A. Bott, Nursing Sister, Sergeant Major W. H. Simpson, N.N.R., Mr. G. R. Matthews, Chief Assistant Secretary, Mr. M. L. Liddard, Assistant Resident.

1st March:—Mr. C. G. Reynolds, Assistant Accountant, B.K.R., Mr. A. S. Collard, Executive Engineer, B.K.R., Mr. T. H. Orme, Foreman of Works, B.K.R., Captain G. H. Burnside, District Superintendent of Police, Mr. T. J. Waters, Assistant Engineer, B.K.R., Sergeants H. W. Johnson and J. W. Swain, N.N.R., Sergt Major P. G. Noot, N.N.R., Captain A. G. Uniacke, District Superintendent of Police, Sergeants W. Vicars and A. M. Jarvis, N.N.R., Sergeant T. E. Oliver, R.A.M.C., Medical, Mr. C. Wightwick, Assistant Resident, Lieutenant P. Lyon, N.N.R., Dr. G. J. Pirie, Medical Officer.

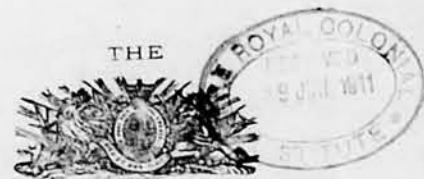
2. *Sailings; Burutu*:—1st March, Mr. J. P. Coatsworth, Leveller B.K.R., Mr. W. B. Thomson, 3rd Class Resident, Captain W. F. Gilchrist, N.N.R., Lieut. T. G. Horn, N.N.R., Mr. H. M. Morgan-Owen, Assistant Resident, Lieutenant A. Purdon, Assistant Marine Superintendent, Mr. W. Davies, Engine Driver, B.K.R.

8th March:—Mr. F. H. H. Graves, Accountant P.W.D., Mr. G. R. Wingate, Assistant Collector of Customs, Mr. A. Campbell-Irons, Assistant Resident, Mr. E. Buckle, Assistant Accountant, B.K.R., Mr. B. Hodges, Senior Assistant Secretary, Dr. C. F. Watson, Medical Officer, Mr. G. Ormsby, 2nd Class Resident, Miss S. Dunne, Nursing Sister, Mr. E. Monkhouse, Foreman of Works, B.K.R., Sgt. R. J. McKay, R.A.M.C., Medical, Sergt. C. Howse, N.N.R., Mr. W. J. Whettam, Foreman of Works, P.W.D., Mr. A. B. Healey.

3. *Arrivals; Burutu*:—26th February, Sergeant A. T. Collins, N.N.R., Major J. B. Cockburn, N.N.R., Major R. McDouall, D.S.O., N.N.R., Mr. T. E. Kewley, Deputy Asst. Traffic Manager, B.K.R., Mrs. H. M. Jones, Nursing Sister.

Postings:—Mr. M. L. Liddard, Assistant Resident, Kano, Mr. C. Wightwick, Assistant Resident, Bauchi.

His Excellency the Acting Governor, and Suite left Zungeru for Lokoja, on 5th instant.



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Northern Nigeria Gazette.

No. 4. **EXTRAORDINARY.**

VOL. XII. THURSDAY, APRIL 13, 1911.

Government Notice.

PROCLAMATION No. 4 of 1911, "The Post Office Proclamation, 1911," also Regulations under Proclamations already enacted are published by direction of the acting Governor, and shall commence and come into operation on the dates therein mentioned.

By His Excellency's Command,
H. S. GOLDSMITH,
Acting Chief Secretary.

Chief Secretary's Office,
Zungeru, Northern Nigeria,
13th April, 1911.

**A PROCLAMATION.**

**Enacted by the acting Governor of
Northern Nigeria.**

C. L. TEMPLE.
Acting Governor.



A PROCLAMATION to make further provision with regard to the conveyance of postal matter.

BE IT ENACTED by the acting Governor of Northern Nigeria as follows:—

1. This Proclamation may be cited as the Post Office Proclamation, 1911 and shall be read and construed as one with the Post Office Proclamation, hereinafter referred to as the principal Proclamation.

2. Every master of a vessel, not being a packet boat or under contract to carry mails, about to depart from any port or place in the Protectorate to any port or place within or beyond the limits thereof shall receive on board any mail bag tendered to him by any officer of the Postal

Short title
Duty of master of ship, not being a packet boat, to carry mails.

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The Post Office Proclamation 1911.

Department for conveyance and shall grant a receipt therefor in such form as the Postmaster-General may prescribe and shall without delay deliver the same at the port or place of destination.

Duty of master of ship arriving at any port to deliver mails.

3. Every Master of a vessel arriving at any port in the Protectorate shall, without delay, cause every postal article or mail bag on board which is within the exclusive privilege conferred on the Postal Department of the Protectorate by section 11 of the principal Proclamation to be delivered to such officer of the Postal Department as may be authorised to receive the same and shall make the declaration contained in the schedule annexed hereto before an officer of the Postal Department.

Gratuities to master of vessels not being packet boats for conveyance of postal matter other than parcels.

4. The Postmaster-General shall pay to every master of a vessel leaving a port in the Protectorate, not being a packet boat or under contract to carry mails, a gratuity of one farthing for every postal article, other than a parcel, delivered to him.

Before payment is made, the Postmaster-General may require the master of any vessel to produce a certificate from the Post Office of destination that such articles have been duly received from him.

Provided that no gratuity shall be payable—

- (1) For a second transmission of any postal article.
- (2) On postal articles to be delivered to a Post Office in the Protectorate for onward transmission by packet boat or boat under contract to carry mails.
- (3) Unless application for payment be made within 12 months from date of despatch.
- (4) If there has been unreasonable delay in delivery at the Post Office of destination.
- (5) If the mails have been damaged in transit owing to negligent handling or storing on board the vessel.

If the master of any vessel satisfies the Postmaster-General that he will not return to the Protectorate within the 12 months prescribed above the Postmaster-General may pay the gratuities in advance.

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The Post Office Proclamation 1911.

5. The Postmaster-General shall pay to every master of a vessel, not being a packet boat or under contract to carry mails, leaving one port in the Protectorate for another a gratuity at the rate of three pence per parcel for all postal parcels delivered to such master for conveyance;

Gratuities for parcels.

provided that payment under this section shall be made subject to the conditions and exceptions contained in the last preceding section.

6. Any person contravening any provision of this or the principal Proclamation or of any rule or regulation made thereunder shall be guilty of an offence and, except where it is otherwise provided by this or the principal Proclamation, shall be liable to a fine not exceeding £25.

Penalty for offences not specially provided for.

7. This Proclamation shall commence and come into operation on the first day of May in the year of our Lord, one thousand nine hundred and eleven.

Commencement.

THE SCHEDULE.

I do solemnly declare that I have to the best of my knowledge and belief caused to be delivered to the proper officer of the Postal Department at every letter bag and all postal articles that were on board the vessel under my command, except

Declared at this

day of 19

Before me *Commander of Ship.*

Officer of Postal Department

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The Post Office Proclamation 1911.

Given under my hand and the Seal of the PROTECTORATE of NORTHERN NIGERIA this thirteenth day of April in the year of our Lord, one thousand nine hundred and eleven.

C. L. TEMPLE,
Acting Governor.

THIS PRINTED IMPRESSION has been carefully compared by me with the Proclamation which has been approved by the acting Governor and found by me to be a true and correct printed copy of the said Proclamation.

H. S. GOLDSMITH,
Acting Chief Secretary



**The Minerals Proclamation.
(8 of 1910, Schedule Chapter 64.)**

The rules and regulations contained in the Schedule to the above-named Proclamation are hereby amended as follows—

In Rule 4 (2) the words "three plans" are substituted for the words "a sketch plan" at the commencement thereof.

At the end of Rule 4 the following words are added viz:—

(4) If the Government Inspector of Mines, or the Chief Surveyor, upon inspection of the area, is not satisfied as to the accuracy of the said plan, he shall so report to the Governor, and the Governor may require that the boundaries of the land affected shall be re-surveyed by a Surveyor approved by the Governor and a sum not exceeding £5 per square mile representing the cost of such survey shall be paid by the person applying for the Exclusive Licence to Prospect.

At the end of Rule 9 (1) the following words are added, viz:—

"And shall, until his area shall have been surveyed by a Government Surveyor, maintain his boundary lines in such a condition as will enable a Surveyor at any time to locate the area. If the Government Inspector of Mines, or the Chief Surveyor, is, at any time, satisfied that the said boundary lines are not in such a condition as aforesaid, he shall so report to the Governor and the Governor may order the area to be re-surveyed by a Surveyor approved by the Governor, and a sum not exceeding £5 per square mile representing the cost of such re-survey shall be paid by the Exclusive Licence holder."

In Rule 12 (b) the words "in triplicate" are inserted after the words "a map" at the commencement thereof.

C. L. TEMPLE,
Acting Governor.

13th April 1911.

Unsettled Districts.

Paragraph 4 of the Notice appearing under the heading "Unsettled Districts Proclamation" on page 9 of Gazette Extraordinary dated January 2nd 1911 is hereby cancelled and the following substituted:—

Nassarawa Province. The districts occupied by the Nadu Arom, Mada Nungu, and Mama tribes, and parts of the districts occupied by the Aike and Onkwoi tribes.

C. L. TEMPLE,
Acting Governor.

13th April 1911.

**The Customs Tariff Proclamation
(9 of 1910 Schedule Chapter 23.)**

Under the provisions of section 6 of the above named Proclamation the Third Schedule thereto is hereby amended by the addition at the end thereof of the following viz:—

10. Cowries.

Dated the 13th day of April 1911.

C. L. TEMPLE,
Acting Governor.

**The Forestry Proclamation
(9 of 1910. Schedule Chapter 62.)**

The following area is declared to be a Forest Reserve and the cutting and collecting of timber or rubber of any kind is prohibited therein:—

Kabba Province, a plantation consisting of approximately 11 acres situated about 300 yards from the town of Egbadu in an easterly direction and bounded on the North by the Lokoja-Kabba road on the South and West by a footpath leading to a stream and on the East by the said stream.

Dated the 13th day of April 1911.

C. L. TEMPLE,
Acting Governor.

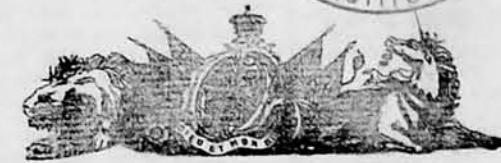
**The Forestry Proclamation No. 6 of 1906
(9 of 1910. Schedule Chapter 62.)**

All areas over which a Right of Occupancy in connexion with a Mining Lease has been granted under the Minerals Proclamation are withdrawn from the operation of the provisions of the above-named Forestry Proclamation.

C. L. TEMPLE
Acting Governor.

13th April 1911.





Northern Nigeria Gazette.

VOL. XII. SATURDAY, APRIL 29, 1911. NO. 4.

Government Notices.

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THE following Supplement to the London Gazette is published for general information:—

WEDNESDAY, 22 MARCH, 1911.

By The KING-EMPEROR.

A ROYAL PROCLAMATION

For appointing a day for the Celebration in His Majesty's Indian Dominions of the Solemnity of the Coronation of His Majesty.

GEORGE RI.

WHEREAS upon the death of our late Sovereign of happy memory, King Edward, upon the sixth day of May in the Year of our Lord one thousand nine hundred and ten, We did ascend the Throne under the style and title of George the Fifth, by the Grace of God, King of the United Kingdom of Great Britain and Ireland and of the British Dominions beyond the Seas, Defender of the Faith, Emperor of India;

And whereas, by Our Royal Proclamations bearing date the nineteenth day of July and the seventh day of November in the Year of our Lord one thousand nine hundred and ten in the First Year of Our Reign, We did publish and declare Our Royal intention, by the Favour and Blessing of Almighty God, to celebrate the Solemnity of Our Royal Coronation upon the twenty-second day of June, one thousand nine hundred and eleven;

And whereas it is Our wish and desire Ourselves to make known to all Our loving Subjects within Our Indian Dominions that the said Solemnity has so been celebrated, and to call to Our Presence Our Governors, Lieutenant-Governors, and other of Our Officers, the Princes, Chiefs, and Nobles of the Native States under Our Protection, and the Representatives of all the Provinces of Our Indian Empire:

Now We do, by this Our Royal Proclamation, declare Our Royal intention to hold at Delhi on the twelfth day of December, one thousand nine hundred and eleven, an Imperial Durbar for the

purpose of making known the said Solemnity of Our Coronation; and We do hereby charge and command Our right trusty and well-beloved Counsellor, Charles, Baron Hardinge of Penshurst, Our Viceroy and Governor-General of India, to take all necessary measures in that behalf.

Given at Our Court at Buckingham Palace, this Twenty-second day of March, in the Year of our Lord one thousand nine hundred and eleven, and in the First Year of Our Reign.

GOD SAVE THE KING-EMPEROR.

130

THE Acting Governor directs it to be notified that the scale of charges for the transport, within the Protectorate, of Parcels imported into Northern Nigeria has been amended and that on and after the 1st May 1911 the following charges will be collected for the transport of Parcels in the Divisions named:—

	Not exceeding 2 lbs in weight.	Exceeding 2 lbs but not exceeding 7 lbs weight.	Exceeding 7 lbs but not exceeding 11 lbs weight.
For each parcel in Division 1. }	2d.	4d.	6d.
For each parcel in Division 2. }	3d.	6d.	9d.
For each parcel in Division 3. }	4d.	8d.	1/-

Division 1. comprises—Lokoja (including Kabba and Bassa provinces) and Baro.

Division 2. comprises—Badeggi—for Bida—Zungeru (including Kontagora and Sokoto provinces) Minna, Kaduna, Pateji, Jebba, Ilorin and the Benue-Loko, Keffi, Ibi, Abinsi, Mutum Biu and Yola.

Division 3. comprises—Zaria (including Bauchi and Bornu provinces) and Kano.

131

UNDER the provisions of section 37 of the Supreme Court Ordinance, His Excellency the Governor of Southern Nigeria, has been pleased to issue a Warrant dated 24th November, 1910, appointing the Official of the Northern Nigeria Government, for the time being holding the Office of Assistant Marine Superintendent at Burutu, to exercise limited Jurisdiction over certain areas at Burutu.

132

THE Marine Superintendent has reported that baggage, belonging to the undermentioned Officers who have since left the Protectorate Service, has remained for some time in the Marine Store at Burutu. Unless it is claimed within three months of the date of this notice it will be sold by Public Auction and endeavour will be made to pay the proceeds to the owners.

Date of Receipt.	From whom received.	Description of luggage.
30-3-09	T. J. Jacks	1 table, 1 water can, 1 chair, 1 mattress, 1 pillow, 1 bath, 1 box.
25-6-09	Dr. Temple	1 Lord's lamp, 2 folding tables, 1 package chairs, 1 wood box.
13-3-10	E. L. Roberson	1 Roll bedding.
21-3-10	Sir W. Wallace	1 valise, 3 wood boxes, 1 tin bath, 1 bundle tables &c., 1 box lanterns, 1 bucket, 1 green basket canteen.
3-4-10	A. Covey	2 chairs, 1 Lord's lamp 1 table, 1 canteen, 1 box, 1 bundle bedding.
24-5-10	C. W. J. Orr	4 chop boxes, 1 Lord's lamp 1 folding table, 1 Indian chair, 1 pan, 1 enamel basin, 1 box, 1 empty wicker basket, 1 steel trunk.
24-7-10	C. M. Arscot	1 wood box.
15-11-10	E. Clutterbuck	1 table, 1 bundle bedding, 1 venesta chair, 1 box.
29-11-10	A. R. Rothwell	2 boxes of provisions.
28-12-10	N. Lowden	

133

G. S. O. AMENDMENT NOTICE No. 1.

G. S. O. No. 15, paragraph 3 is amended by the addition of the following:—

Should the exigences of the services so demand an officer may, subject to the approval of the Governor, be allowed to extend his tour. Application for authority to extend must be submitted through the Chief Secretary, one month before the completion of a normal tour and must be supported by a medical certificate.

Every Officer whilst serving beyond his usual tour of service must present himself for medical examination at least once a month in order that his continued fitness, or otherwise for public service may be periodically certified by a Medical Officer.

G. S. O. No. 48, paragraph 9, of the is hereby cancelled and the following substituted therefor:—

"Persons sentenced to twelve months imprisonment or more may, with the approval of the Governor, be detained in Provincial Gaols. Recommendations in this respect will be made by the Resident after consultation with the Medical Officer, and will be submitted through the Chief Secretary to the Government. Such recommendations will be based on the requirements of the health of the prisoner, and also on the requirements of the station in regard to sanitation and general upkeep. All prisoners sent from out-stations to the convict prisons at Zungeru and Lokoja will be medically examined as to their fitness to travel before leaving their stations. They will be brought up again for medical examination on the first morning after their arrival at the Convict Prison. If the prisoners are in charge of a native N. C. O., of Police or of the N. N. R., or a Warder, the European in charge of the convoy will see that they are properly fed, and that every precaution for their safety at night is taken."

134

CIRCULAR No. 2 of 1911.

MEMORANDUM ON "RIGHTS OF OCCUPANCY" granted to the holders of Mining Leases in accordance with the Minerals Proclamation (Chapter LXIV of Book of Laws.)

(1) A "prospecting right" confers upon the holder, subject to certain conditions imposed by the law, a qualification to demand a mining lease or an exclusive prospecting licence.

(2) "An exclusive licence to prospect" confers upon the holder, in the same manner, the right to demand a mining lease.

(3) A "Mining lease" confers upon the holder, in the same manner, the right to demand a right of occupancy over such area as he may require to enable him to carry on mining operations.

(4) A "Right of Occupancy" is conferred by the issue of a "Certificate of Occupancy" signed by the Governor.

(5) A "Certificate of Occupancy" is to all intents and purposes a lease of the area which it covers and (except in so far as the holder is obliged to pay compensation for all improvements should he wish to dispossess the possessor of such improvements, effected by a previous occupier before the grant of a mining lease or exclusive prospecting licence over such area, and further to pay a reasonable compensation to the dispossessed occupier for disturbance), confers on the holder all the privileges of an ordinary lease holder.

(6) The phrase "area required for mining operations" has a wide application and includes *inter alia* the area required for buildings, plant, machinery, drains, races, dams and land required for planting or safeguarding timber required for mining purposes. At the same time should an applicant who has been granted a Right of Occupancy be found to be using any part of the area covered by it in a manner which is not necessary to the full and effective exercise of the rights conferred upon him by his mining lease *i.e.*, should he be found to be using

it for other than purposes of mining, he will be liable to forfeit his right. For instance, sub-letting any portion of such an area to farmers or even labourers employed by him would cause him to forfeit his Right.

(7) Before a Right of Occupancy can be granted a plan must be produced showing the extent and the boundaries of the land over which the Right of Occupancy is sought. The plan shall show also, in as much detail as may be practicable, the location of all native holdings, the number of huts, and the extent of the cultivation and improvements existing at that time.

(8) The Government Officer shall then proceed to the area and shall place a value upon each of those holdings. To the assessment of that value shall be added a liberal percentage in respect of disturbance. This information shall be attached to the plan of the area. The claimant for a Right of Occupancy shall then deposit with the Government the total of the amounts that would be payable for eviction or disturbance.

(9) These moneys shall be placed to the credit of a mining lands compensation fund, and shall be disbursed by the Government according to the claims recognised at the time the Right of Occupancy is granted. Any balance which may not have been paid out in order to meet claims within twelve months from the date of deposit shall be placed at interest and the depositor, either upon the termination of, or upon relinquishing, his lease, will be entitled to receive any amounts remaining to his credit, and which may not have become liable to claims for compensation.

(10) It will be carefully explained to the native occupiers that they can adopt either of the following courses:—

(a) They can obtain the full value of their improvements, and compensation for the disturbance, at once, but, in such cases, they may be called upon to immediately quit the land occupied by them.

(b) Or, they can remain in possession of their holdings until the land is required, or until they wish to quit, and they can obtain the amount of the original assessment at any time, either upon relinquishing their holdings, or upon being evicted by the holder of the Right of Occupancy.

(11) It will also be carefully explained to the natives that, if they elect to remain in possession of their holdings until evicted by the lessees, they will never get any compensation greater than that originally assessed.

(12) If the holder of a Right of Occupancy should encourage, or grant permission to, any person to come upon the area covered by his Certificate and make improvements thereon subsequent to the date of the original assessment, he shall be held liable to pay compensation for such improvements upon requiring the possession of lands so occupied. This shall also apply to any improvements made by the original occupiers of the land with the lessee's permission or encouragement.

By Command,
G. R. MATTHEWS,
Acting Chief Secretary.

Zungeru
April 1911.

135

Mining Lease, Cost of Survey.
(Section 18 Minerals Proclamation.)

THE following is the scale:—

5/- per acre and minimum £8 for lode mining leases.

1/- per acre and minimum £10 for alluvial mining leases.

£5 per lineal mile streaming leases.

Tracing £1 to £3 according to size and detail; only supplied if a draughtsman is available.

136

Telegraph Lines.

WITH reference to sections 17 to 19 of the Telegraphs Proclamation pages 592 and 593 of the Northern Nigeria Laws, the following are the Chiefs responsible for the districts through which the Anglo-French Telegraph Extension passes:—

Headman of Birnin Kebbi District
" Kalgo "
" Raha "
" Zogirma "

137

Railway and Marine Freight Charges
Method of Payment.

NOTICE is hereby given that the Government will accept cash or cheques on the Bank of Nigeria only in payment of Railway and Marine freight charges.

138

NATIVE Courts under the Native Courts Proclamation, (No. 9 of 1910 Schedule, Chapter LVI) have, with the approval of the Acting Governor, and under the Seal of the Protectorate, been established as under:—

Province.	Grade.	Name of Court.	Date of Warrant.
Bassa	B	Judicial Council of Idoma	29/12/10.
Sokoto	"	Maru	27/1/11.
"	"	Moriki	"
"	"	Talata Mafara	"
"	"	Gandi	"
"	"	Saiyinna Daji	"
"	"	Tureta	13/2/11.
"	"	Jabo	"
"	A	Birnin Kebbi	11/2/11.
Niger	C	Alkali's Court of Minna	17/3/11.
Kontagora	"	Kotonkoro	12/4/11.
"	D	Zuguma	"
"	"	Ilesha	"
"	"	Boussa	"

The Warrants as under have been cancelled.

Kotonkoro }
Zuguma and } Judicial Councils dated 1st Mar. 1906
Ilesha }
Boussa Alkali's Court dated 3rd August 1906.

THE Warrants establishing the Alkali's Courts of Babura Market, Bonkuri Market and Mindawari Market (Kano) dated 2nd June, 1910 have been cancelled and new warrants substituted *vide* Gazette No. 2 of 1911.

The Warrant establishing the Alkali's Court of Saiyina Daji dated 1st June 1909 has been cancelled and a new Warrant dated 27th January 1911 has been substituted in its stead.

The Warrants establishing the Judicial Councils of Bosso and Malkonkelli, have been cancelled.

The Warrants establishing the Judicial Councils of Ogugu and Ofangwa Bassa province dated 23rd March 1910 have been cancelled.

The Warrant establishing the Judicial Council of Kuta (Niger Province) dated 10th January 1908 has been cancelled and a new Warrant issued dated 16th December 1910 *vide* Gazette December 31st 1910.

139

The following letter received from the Imperial Institute is published for general information:—

**IMPERIAL INSTITUTE,
OF THE
UNITED KINGDOM, THE COLONIES AND INDIA.**
(South Kensington, London, S.W.)
16th March, 1911.

Sir,

I beg to acknowledge the receipt of your letter No. 156/1911 dated 25th January 1911, forwarding specimens of mica from Jigudu in the Niger Province.

The specimens consist of muscovite mica which is intensely weathered and very rusty. The material is of no economic value, and is only of interest as indicating the presence of coarse mica-pegmatite which on further prospecting may be found to yield mica of marketable quality.

For information regarding mica suitable for commercial purposes reference should be made to the "Bulletin of the Imperial Institute," Vol. II (1904), pp. 278 to 291, and Vol. IV (1906), pp. 55 to 61.

I am, Sir,
Your obedient Servant,
WYNDHAM R. DUNSTAN.

The Chief Secretary to the Government,
Zungeru.

140

Land Tenure Proclamation.

DISTRICTS FOR THE REGISTRATION OF DOCUMENTS.
NOTICE is hereby given that under section 17 of the above mentioned Proclamation the following district has been declared:—

District.	Registrar.	Registration Office.
Bauchi Prov.		
Kano "	The Government Inspector of Mines' Office, Naraguta.	
Zaria "		
Nassarawa "		
Muri "		

141 Hausa Examination.

UNDER the provisions of G.S.O. No. 72, the undermentioned Officers passed:—

LOWER STANDARD.

1st Rating Sergeant A. E. Goodwin, 1st Bn. N. N. Regt.

LOWER STANDARD PROGRESS EXAMINATION.

Mr. H. de C. Matthews, 3rd Class Resident.
Mr. J. F. Williams, Assistant Resident.
Mr. C. A. Woodhouse, Assistant Resident.
Mr. H. S. W. Edwardes, Third Class Resident.

COLLOQUIAL TEST.

Mr. G. L. Monk, Assistant Resident.
Mr. T. A. G. Budgen, Assistant Resident.
Lieut. A. F. P. Knapp, 1st Bn. N. N. Regt.

COLLOQUIAL TEST—NATIVE STAFF.

Mr. Z. C. Wilson, 4th Grade Clerk, Political.

142

EXAMINATION FOR PROMOTION OF OFFICERS.

AT the Examination held at Lokoja on the 10th and 11th April, 1911, the undermentioned officer passed in subject (c):—
Captain E. M. Baker, Royal Fusiliers (2nd Bn. N. N. Regt.)

At the Examination held at Zungeru on the 18th and 19th April, 1911, the undermentioned officer passed in subject (c):—

Captain S. J. B. Barnardiston, D. S. O., Suffolk Regiment (1st Bn. N. N. Regt.)

143

Command.

Colonel E. P. Strickland, D. S. O., having proceeded to England on leave of absence, Lieut.-Colonel E. L. Mackenzie, D. S. O., 1st Bn. N. N. Regt., took over the duties of Commandant from the 1st April, 1911.

144

Departure.

Brigadier General P. S. Wilkinson, Inspector General, West African Frontier Force, and Captain A. H. Ollivant, Staff Officer, having completed tour of inspection left Lokoja on 1st April, 1911.

145

Extract from London Gazette.

THE following extracts from the London Gazette are published for information:—
Gazette dated 3rd March, 1911.

MEMORANDA.

Captain John B. Cockburn, The Royal Welsh Fusiliers, is granted the temporary rank of Major, while employed with the West African Frontier Force. Dated 8th February, 1911.

Gazette dated 14th March, 1911.

INFANTRY.

The Northumberland Fusiliers, the undermentioned second Lieutenant to be Lieutenant Dated 18th February, 1911:—

Alan P. Garnier, and to remain seconded.

146

Errata.

The extension of leave granted to Mr. J. A. Yawson, 3rd Grade Clerk, P. W. D. which appeared in Gazette No. 12 of 1910, is on half salary and not as therein stated.

The office of Mr. J. F. Cahill, is "Assistant Keeper of Gaols, Prison Department" and not as stated on page 46 of Gazette No. 3 1911.

The date of appointment of Mr. T. J. Harper, Learner, Postal & Telegraph Department, should be "17th September, 1910," and not as stated in Gazette No. 11 of 1910.

In supplement to Gazette No. 3 of 1911 page 61 Extract from Dr. Dalziel's Report on Tsetse fly Sokoto Province:

Paras. 1 (a) (b) (c) (d) & 2 (a) (b) (c) & (d) for *Moristans* read *Morsitans*.

147

RISE AND FALL OF THE RIVER BENUE FOR THE MONTH OF FEBRUARY 1911.

Date.	RIVER BENUE.	
	RISE.	FALL.
Week ending 7th	7	10
" " 14th	9	20
" " 21st	4½	14
" " 28th	4	10
Total Fall 2 ft. ½ in. 5 ft.		

148

DAILY RISE AND FALL OF THE RIVER NIGER, TAKEN AT LOKOJA, FOR MONTH OF MARCH, 1911.

DATE.	RISE.		FALL.		TOTAL.	REMARKS.
	INS.	INS.	INS.	INS.		
1	—	—	—	—	91	
2	—	—	—	—	91	
3	—	—	—	—	84	
4	—	—	—	—	84	
5	—	—	—	—	8	
6	—	—	—	—	73	
7	—	—	—	—	74	
8	—	—	—	—	74	
9	—	—	—	—	7	
10	—	—	—	—	64	
11	—	—	—	—	6	
12	—	—	—	—	6	
13	—	—	—	—	54	
14	—	—	—	—	54	
15	—	—	—	—	5	
16	—	—	—	—	5	
17	—	—	—	—	43	
18	—	—	—	—	34	
19	—	—	—	—	24	
20	—	—	—	—	14	
21	—	—	—	—	04	
22	—	—	—	—	0	
23	—	—	—	—	104	
24	—	—	—	—	84	
25	—	—	—	—	74	
26	—	—	—	—	64	
27	—	—	—	—	44	
28	—	—	—	—	34	
29	—	—	—	—	24	
30	—	—	—	—	04	
31	—	—	—	—	04	
21½						Total Fall 1 ft. 9½ ins.

By His Excellency's Command,
G. R. MATTHEWS,
Acting Chief Secretary.

The Chief Secretary's Office,
Zungeru, Northern Nigeria,
29th April, 1910.

149
In the matter of the Estate of the late C. S. B. Stephens, (Deceased.)

NOTICE is hereby given that all creditors and other persons having any claims or demands upon or against the estate of the late C. S. B. Stephens, deceased, who died at Baro on the 24th day of March, 1911, intestate, are hereby required to send in particulars of their claims or demands to me the undersigned or to the Provisional Administrator at Baro, Niger Province, on or before the 10th day of May, 1911, after which date I shall proceed to pay and distribute the assets of the said deceased among parties entitled thereto having regard only to claims of which notices shall have been received.

And all persons indebted to the said estate are hereby requested to make immediate payment forthwith.

Dated at Zungeru this 6th day of April, 1911.
E. J. CAMPBELL,
Official Administrator.

Supreme Court Registry,
Northern Nigeria.

150

In the matter of the Estate of the late John Williams, Fitter (Deceased.)

NOTICE is hereby given that all creditors and other persons having any claims or demands upon or against the estate of the late John Williams, deceased, who died at Baro on the 9th day of March, 1911, intestate are hereby required to send in particulars of their claims or demands to me the undersigned, or to the Provisional Administrator at Baro, Niger Province on or before the 31st day of May, 1911, after which date I shall proceed to pay and distribute the assets of the said deceased among parties entitled thereto having regard only to claims of which notice shall have been received.

And all person indebted to the estate are hereby requested to make immediate payment forthwith.

Dated at Zungeru this 12th day of April, 1911.
E. J. CAMPBELL,
Official Administrator.

Supreme Court Registry,
Northern Nigeria.

151

In the matter of the Estate of the late Simon Lufadeji, (Deceased.)

NOTICE is hereby given that all creditors and other persons having any claims or demands upon or against the estate of the said late Simon Lufadeji, deceased, who died at Ilorin on the 16th day of February, 1911, intestate, are hereby required to send in particulars of their claims or demands to me the undersigned or to the Provisional Administrator at Ilorin, Ilorin Province, on or before the 31st day of May, 1911, after which date I shall proceed to pay and distribute the assets of the said deceased among parties entitled thereto having regard only to claims of which notices shall have been received.

And all persons indebted to the said estate are hereby requested to make immediate payment forthwith.

Dated at Zungeru this 18th day of April, 1911.
E. J. CAMPBELL,
Official Administrator.

Supreme Court Registry,
Northern Nigeria.

152

In the matter of the Estate of the late
J. E. Thomas, (Deceased.)

NOTICE is hereby given that all creditors and other persons having any claims or demands upon or against the estate of the late J. E. Thomas deceased, who died at Shonga on the 28th day of February, 1911, intestate, are hereby required to send in particulars of their claims or demands to me the undersigned or to the Provisional Administrator at Ilorin, Ilorin Province, on or before the 31st day of May, 1911, after which date I shall proceed to pay and distribute the assets of the said deceased among parties entitled thereto having regard only to claims of which notices shall have been received.

And all persons indebted to the said estate are hereby requested to make immediate payment forthwith.

Dated at Zungeru this 18th day of April, 1911.

E. J. CAMPBELL,
Official Administrator.

Supreme Court Registry,
Northern Nigeria.

153

In the matter of the Estate of the late
C. R. Renny Tailyour, (Deceased.)

NOTICE is hereby given that all creditors and other persons having any claims or demands upon or against the estate of the late C. R. Renny Tailyour, District Engineer, B. K. R., deceased, who died at Kateregi on the 25th day of March, 1911, intestate are required to send in particulars of their claims or demands to Mr. Feargus Dwyer, Resident Baro, on or before the 31st May, 1911.

And all persons indebted to the estate are requested to make immediate payment to the said Administrator.

154 The following have been granted under the Minerals Proclamation No. 9 of 1910 Schedule Chapter LXIV during the months of March and April 1911.
PROSPECTING RIGHTS.

No.	To whom granted.	Period.	Date.		Remarks.
			From	To	
39	N. C. Cooke ...	One year	6th Mar. 1911	5th Mar. 1912	
40	Gilbert Winslow	"	7th Mar. 1911	6th Mar. 1912	
41	John Hyzers Grey	"	11th Mar. 1911	10th Mar. 1912	
42	F. D. Bourke	"	14th Mar. 1911	13th Mar. 1912	
43	B. O. W. Cantrell	"	28th Mar. 1911	27th Mar. 1912	
44	Horace Tremlett	"	28th Mar. 1911	28th Mar. 1912	
45	Charles Francis Lance	"	"	"	
46	Mr. Ellison ...	"	"	"	
47	Richard Hancock	"	10th Apr. 1911	9th Apr. 1912	
48	Frank Richmond	"	"	"	
49	Thomas C. Millett	"	"	"	
50	William Millett	"	"	"	
51	H. B. Kent ...	"	"	"	
52	P. Stephens ...	"	"	"	
53	H. W. Merivale	"	12th Apr. 1911	11th Apr. 1912	
54	A. W. H. Anderson	"	18th Apr. 1911	17th Apr. 1912	
55	G. H. Fitch ...	"	"	"	

No.	To whom granted.	Area.	Locality.	Period.	Date.		Remarks.
					From	To	
177	W. B. McIver & Co. ...	2 Sq. miles	Balsa River	One year	1st Mar. 1911	28th Feb. 1912	
178	Tia Areas of Nigeria Ltd.	"	Kwaja	"	"	"	
179	do.	"	Shebarnu River Kano Prov.	"	"	"	
180	do.	"	Satu Hills	"	"	"	
181	do.	"	Liruei	"	"	"	
182	do.	"	Shebarnu River	"	8th Mar. 1911	7th Mar. 1912	
183	Alluvial Tin Syndicate Ltd.	"	Rungi Mukar.	"	"	"	
184	Benue (N. N.) Tin Mines Ltd.	"	Adami River Bauchi	"	"	"	
185	do.	"	Kogi Zangar	"	"	"	
186	do.	"	Wagge	"	"	"	
187	do.	"	Radin Yelwa	"	"	"	
188	do.	"	Bawa River	"	"	"	
189	A. McAllister Esq.	6 1/2	Rukha	"	14th Mar. 1911	13th Mar. 1912	
190	Benue (N. N.) Tin Mines Ltd.	1	Radin Magagee	"	8th Mar. 1911	7th Mar. 1912	
191	do.	3	" Mawan	"	"	"	
192	do.	1	" Imoru	"	"	"	

EXCLUSIVE PROSPECTING LICENCES.—(Continued).

No.	To whom granted.	Area.	Locality.	Period.	Date.		Remarks.
					From	To	
193	do.	2.7	Kogin Bagum	"	"	"	
194	do.	1.7	Kogin Cam	"	"	"	
195	do.	1	" Ghetto	"	"	"	
196	do.	1	" Magogoo	"	"	"	
197	do.	2	" Rickaia	"	"	"	
198	do.	4.26	" Parr	"	"	"	
199	do.	1.6	" Wooro	"	"	"	
200	do.	6.75	"	"	15th Mar. 1911	14th Mar. 1912	
201	Barton Development Syndicate Ltd.	8½	Delimi	"	"	"	
202	do.	2	Tantoroki River	"	"	"	
203	do.	5½	Jumbil	"	"	"	
204	Rayfield Syndicate Ltd.	6½	Shen	"	"	"	
205	Zaria Tin Syndicate Ltd.	3	Liruoi	"	"	"	
206	do.	1	"	"	"	"	Cancelled.
207	do.	12	"	"	18th Mar. 1911	17th Mar. 1912	
208	do.	3	Bukuru	"	"	"	
209	Rayfield Syndicate Ltd.	3	Bauchi	"	"	"	
210	M. F. and S. Syndicate, Ltd.	3.75	River Garum	"	"	"	
211	do.	1	"	"	20th Mar. 1911	19th Mar. 1912	
212	Gamma Tin (Nigeria) Ltd.	3	Woninya	"	"	"	
213	do.	3	"	"	"	"	
214	Alpha Tin (Nigeria) Ltd.	2.6	Gurumbiu	"	"	"	
215	Beta Tin (Nigeria) Ltd.	2.8	Woninya	"	"	"	
216	do.	3	"	"	"	"	
217	Alpha Tin (Nigeria) Ltd.	2	River Kwaya	"	"	"	
218	Niger Company Ltd.	3	Gannawarri River	"	"	"	
219	do.	3	"	"	"	"	
220	do.	2	"	"	24th Mar. 1911	23rd Mar. 1912	
221	do.	2	"	"	"	"	
222	Zeta Tin (Nigeria) Ltd.	3	River Magarra	"	"	"	
223	do.	1.8	Woninya	"	13th Apr. 1911	12th Apr. 1912	
224	Nigerian Tin Corporation Limited	2 sq. miles	River Amo	1 year	"	"	
225	do.	2	"	"	"	"	
226	N. Nigeria (Bauchi) Tin Mines Ltd.	15	River Gell	"	"	"	
227	do.	15	"	"	"	"	
228	do.	6	"	"	"	"	
229	do.	4	"	"	"	"	
230	Tin Areas of Nigeria Limited	1	Sabungari River Bauchi	"	"	"	
231	do.	2	Dinga	"	"	"	
232	do.	2	Sabungari	"	"	"	
233	do.	2	"	"	"	"	
234	do.	2½	Dinga	"	"	"	
235	do.	2½	"	"	"	"	
236	Darymasu (West Coast) Development Ltd.	6	Rafu Minna Bauchi	"	"	"	
237	do.	3	"	"	"	"	
238	do.	3	"	"	"	"	
239	do.	3	"	"	"	"	
240	Lucky Chance Mines Limited	1½	Bingalli River Bauchi	"	"	"	
241	do.	3	Rafu Gora	"	"	"	
242	Nigerian Plateau Limited	3	" Siroma	"	"	"	

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MINING LEASES (ALLUVIAL).

No.	To whom granted.	Area.	Locality.	Period.	Date.		Remarks.
					From	To	
L	Lucky Chance Mines Ltd.	160 acres.	Boidun Bauchi Province	21 years	1st April 1911		In abeyance
M	do.						
N	Northern Nigeria (Bauchi) Tin Mines	337	River Gell	"	20th April 1911		
O	do.	107.7	"	"	"		
P	do.	31.5	"	"	"		
Q	do.	377	"	"	"		
R	do.	287	Bush Camp Creek	"	"		
S	Lucky Chance Mines Ltd.	187	Rafu Selimi	"	"		
T	do.	100	Upper Seroma	"	"		

APRIL 29, 1911. THE NORTHERN NIGERIA GAZETTE. OFFICIAL. 72

155 List of Licences issued at Zungeru during the Quarter ended 31st March 1911.

No. of Licence.	To whom issued.	Station.	Description of Licence.	Period.		Amount.
				From.	To.	
3	The Niger Co., Ltd.	Egori	Warehouse	1st Jan. 11.	31st Dec. 11	£25
*88-1	"	Zungeru	Forestry	"	"	5/-
*88-2	"	Barijuko	"	"	"	5/-
*88-3	"	Minna	"	"	"	5/-

* To purchase rubber.

156 List of Licences issued in Muri Province during March quarter 1911.

No.	Name	Station	Description	From	To	Amount
19-1	John Holt & Co.	Takum	Shopkeepers	1st Jan. 1911	31st Dec. 11	£5
19-2	do.	Donga	"	"	"	£5
19-3	D. G. Bastos	Tunga Wharf	"	5th Jan. 1911	"	£5
19-4	do.	Gidan Tata	"	"	"	£5
19-5	The Niger Co. Ltd.	Takum	"	21st Jan. 11	"	£5
19-6	D. G. Bastos	Azara	"	27th Feb. 11	"	£5

157 List of Shopkeepers licences issued in Ilorin Province, for the quarter ending 31st March, 1911.

No. of licence.	Name.	From.	To.	Amount.
82-1.	The Lagos Stores Limited.	1st Jan. 1911.	31st Dec. 1911.	£5.
82-2.	Do.	"	"	£5.
82-3.	Paterson Zochonis & Co.	"	"	£5.
82-4.	Do.	"	"	£5.

158 List of Traders licences issued in Ilorin Province, for the quarter ending 31st March, 1911.

Province.	Place.	Persons to whom issued.	Description of licence.
Ilorin	Ilorin.	The Lagos Stores Ltd.	First Class.
Do.	Do.	Paterson Zochonis & Co.	Do.
Do.	Do.	John Walkden & Co.	Do.

159 List of Licenses issued during Quarter ending 31st March, 1911.

Licenses under the Traders' Proclamation, 1904.
 " " Wines and Spirituous Liquor Proclamation, 1902.
 " " Forestry Proclamation, 1906.

No. of Licenses.	Name of Firm.	Station.	Description of Licenses.	Period.	Amount.	Remarks.
4-78	Tin areas Ltd.	Lokoja	1st Class	1st Jan. 1911 to 31st Dec. 1911.	£20	
79	"	Ibi	2nd Class	"	£10	
1-4	"	Katcha	1st Class	"	£20	
4-80	J. Holt & Co.	Lokoja	"	"	"	
81	"	Baro	"	"	"	
82	"	Katcha	"	"	"	
83	"	Gerinya	"	"	"	
84	"	Etobe	"	"	"	
85	"	Amageddi	"	"	"	
86	"	Loko	"	"	"	
87	"	Ajeokuta	"	"	"	
1-5	"	Muoki	2nd Class	"	£10	
4-88	J. D. Fairley	Lokoja	1st Class	"	£20	
89	G. W. Christian & Co.	Lokoja	"	"	"	
90	L. Pagenstecher & Co.	Lokoja (Camp Rd)	"	"	"	
91	"	Lokoja (Beach)	"	"	"	
92	"	Etobe	"	"	"	
93	"	Bagana	"	"	"	
94	"	Gerinya	"	"	"	
95	"	Shonga	"	"	"	
96	"	Yola	"	"	"	
97	J. Holt & Co.	Lokoja (Beach)	"	"	"	
98	"	Ibi	"	"	£5	
16-5	Tin areas Ltd.	Lokoja	To Export Rubber	"	"	
3-3	"	"	To purchase Rubber	"	5/-	
4	J. Holt & Co.	Lokoja	"	"	"	
5	"	Baro	"	"	"	
6	"	Kabba	"	"	"	
7	"	Gerinya	"	"	"	
8	"	Etobe	"	"	"	
3-9	"	Muoki	"	"	"	
10	"	Loko	"	"	"	
11	"	Amageddi	"	"	"	
12	"	Ajeokuta	"	"	"	
16-6	"	Lokoja	To Export Rubber	"	£5	
7	L. Pagenstecher & Co.	Lokoja	To Purchase Rubber	"	5/-	
3-13	"	"	"	"	"	
14	"	Etobe	"	"	"	
15	"	Bagana	"	"	"	
16	"	Ajeokuta	"	"	"	
17	"	Gerinya	"	"	"	
18	"	Yola	"	"	"	
19	Salami Agbaji	Lokoja	"	"	"	
20	Niger Company	Takum	"	"	"	
21	"	Donga	"	"	"	
22	"	Bakundi	"	"	"	
23	"	Tunga	"	"	"	
24	"	Abinsi	"	"	"	
25	"	Ajeokuta	"	"	"	
4-1	"	Etobi	"	"	"	
2	"	Egori	"	"	"	
3	"	Egga	"	"	"	
4	"	Baro	"	"	"	
5	"	Katcha	"	"	"	
6	"	"	"	"	"	
7	"	Lar	"	"	"	

List of Licenses issued during Quarter ending 31st March, 1911.—(Continued.)

No. of Licenses.	Name of Firm.	Station.	Description of Licenses.	Period.	Amount.	Remarks.
8	Niger Company	Shonga	To Purchase Rubber	1st Jan. 1911 to 31st Dec. 1911.	5/-	
9	"	Kabba	"	"	"	
10	"	Jebba	"	"	"	
11	"	Mozum	"	"	"	
12	"	Amageddi	"	"	"	
13	"	Loko	"	"	"	
14	"	Gerinya	"	"	"	
15	"	Yeweine	"	"	"	
16	"	Amuoki	"	"	"	
17	"	Lokoja	"	"	"	
16-8	"	Lar	To Export Rubber	"	£5	
			To Sell Wines &c.	"	£25	
33	G. W. Christian & Co.	Lokoja	"	"	"	
41	L. Pagenstecher & Co.	Lokoja	"	"	"	
30	J. Holt & Co.	Baro	"	"	"	
31	"	Lokoja	"	"	"	
32	"	Ibi	"	"	"	
40	Tin areas Ltd.	Lokoja	"	"	"	

BERTRAM D. BYFIELD,
Cantonment Magistrate

Commissions.

The following Commissions have been issued:—

Name.	Appointment.	Nature of Commission.	Province.	Period.	Date of Commission.
Lieut. J. Goold-Adams	N. N. Regt.	Justice of the Peace	Bornu	...	20th Mar. 1911.
Mr. J. C. Walker	Assistant Resident	To exercise full Judicial powers of a Resident in charge of Province	Kabba	...	24th Mar. 1911.
Capt. H. N. Kempthorne	Chief Surveyor	Justice of the Peace	Bauchi	...	26th Mar. 1911.
Mr. H. S. Berkeley	Assistant Resident	To exercise full Judicial powers of a Resident in charge of Province	do.	...	do.
Mr. H. B. Ryan	3rd Class Resident	do.	Yola	...	28th Mar. 1911.
Mr. R. C. Corfield	Assistant Resident	To exercise Judicial powers up to two years' imprisonment, £25 fine and 24 lashes	Bauchi	...	do.
Mr. N. M. Gepp	do.	To exercise full Judicial powers of a Resident in charge of Province	Kano	...	10th April 1911.
Capt. A. S. Lawrence	do.	To exercise Judicial powers up to one year's imprisonment, £25 fine and 12 lashes.	Nassarawa	...	13th April 1911.
Mr. L. H. E. Blake	do.	To exercise Judicial powers up to seven years' imprisonment, £50 fine and 24 lashes	Sokoto	...	do.

Powers of Commanding Officer.

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Under the provisions of Proclamation No. 9 of 1910 Schedule, Chapter XVIII, section 40, the Commandant, Northern Nigeria Regiment, West African Frontier Force, has, with the concurrence of the Governor, conferred the Powers of Commanding Officer on the following officers:—

Rank and Name.	Unit.	Whilst commanding Detachment at	Date of Warrant.	Remarks.
Capt. H. B. Dixon	1st Bn., N. N. Regt.	Katagum	21st March 1911.	
Lieut. H. W. Green	do.	Zaria	do.	
Lieut. T. S. Wickham, D.S.O.	do.	Sokoto	7th April 1911.	
Lieut. A. C. Aubin	2nd Bn., N. N. Regt.	Ankpa	18th April 1911	
Lieut. P. Lyon	do.	Katsena-Allah	do.	

Appointments and Assumption of Duty.

Name.	Appointment.	Department.	Date of Appointment.	Date of Assumption of Duty.
Capt. F. A. E. Godwin	District Superintendent of Police to act as Deputy Inspector General of Police	Police	21st Dec. 1910	21st Dec. 1910
Mr. John Powter	Traffic Assistant	Baro-Kano Railway	22nd Mar. 1911	8th April 1911
Mr. James Stewart	Storekeeper	Public Works	do.	do.
Mr. John Hearn Mary Molyneux	Assistant Resident	Provincial Administration	do.	do.
Mr. Gordon James Lethem	do.	do.	do.	do.
Mr. Richard Gregson Williams	do.	do.	do.	do.
Mr. Albert Edward Hall	Platelayer	Baro-Kano Railway	29th Mar. 1911	18th April 1911
Mr. J. Dierden	Foreman of Works	Public Works	do.	do.
Sapper C. C. Crook	Surveyor	Land and Survey	do.	do.
Sapper R. R. Rowland	do.	do.	5th April 1911	22nd April 1911
Mr. R. Shaw	Foreman of Works	Public Works	do.	do.
Mr. Henry Comper Goring Bridger	Assistant Auditor	Audit	do.	29th April 1911
Mr. W. Jarvis Adamson	Platelayer	Baro-Kano Railway	12th April 1911	do.
Lieut. William Frederick Pearce R.N.R.	Marine Officer	Marine	do.	do.
Mr. S. J. Milton	Storekeeper	do.	16th April 1911	16th April 1911
Mr. G. R. Matthews	Chief Assistant Secretary to act as Chief Secretary	Chief Secretary's	22nd April 1911	22nd April 1911
Capt. F. S. Merrick	Deputy Inspector General of Police to act as Inspector General of Police	Police	do.	do.
Capt. F. S. Merrick	Deputy Inspector General of Police to act as Sheriff...	Prisons	do.	do.
NATIVE STAFF.				
Mr. E. L. Baddoo	4th Grade Clerk	Provincial Administration	7th Jan. 1911	Engaged locally.
Mr. Magnus A. Savage	Warder	Prisons	1st April 1911	do.
Mr. R. B. O. Coleman	do.	Police	25th April 1911	do.

Transfer.

Name.	Appointment.	Transfer to.	New Appointment.	With effect from.
Mr. H. J. Chapman	Foreman of Works, P. W. D. Exty.	Public Works Dept. (Ordinary)	Foreman of Works	1st June 1910.
Mr. E. G. Findlay	do.	do.	do.	do.
NATIVE STAFF.				
Mr. C. A. Macfarlane	3rd Grade Clerk, P. W. D.	Marine	2nd Grade Clerk	25th Nov. 1910.
Mr. L. W. Bailey	4th Grade Clerk, P. W. D.	Postal and Telegraphs	4th Grade Sorting Clerk and Telegraphist	1st April 1911.
Mr. C. I. Davies	3rd Grade Clerk, Medical	Cantonment Office	3rd Grade Clerk	25th April 1911.
Mr. S. M. Buckle	4th Grade Clerk, Police...	Medical	do.	do.

Leave of Absence.

164 LEAVE has been granted to the undermentioned Officers from the date of the arrival at its first port of call in the United Kingdom, as regards Officers proceeding to England, of the steamer which left Burutu on the date mentioned, and for the period specified in the schedule below. As regards the Native Staff, from the date of the arrival of the steamer at the port mentioned in the "Remarks" column.

Name.	Office.	Description of Leave.				Date on which steamer left Burutu.	Remarks.
		Vacation.		Return.			
		Months.	Days.	Months.	Days.		
Mr. G. H. Brown	Foreman of Works, B. K. R.	2	—	2	—	5th April 1911	Full Salary.
Mr. J. A. Ley-Greaves	2nd Class Resident	4	—	—	—	do.	Without salary. Urgent private affairs.
Mr. Andrew Brown	Foreman of Works, B. K. R.	2	—	2	—	do.	Full salary.
Mr. F. Weston	Platelayer, B. K. R.	2	—	—	—	do.	do.
Sergt. A. Davidson	R. A. M. C., Medical	—	55	—	55	12th April 1911	do.
Mr. P. L. Collison	Assistant Local Auditor	—	10	2	—	do.	do.
Mr. E. H. Biffen	Traffic Superintendent	2	10	2	—	do.	do.
Mr. A. R. Seymour	Assistant Engineer, B. K. R.	2	20	2	—	do.	do.
Mr. E. C. Watson	Attorney General	2	10	2	—	do.	do.
Dr. E. J. Porteous	Medical Officer	2	50	2	—	do.	do.
Major W. S. Sharpe, C.M.G.	2nd Class Resident	2	50	2	—	do.	do.
Mr. B. D. Byfield	3rd Class Resident	2	10	2	—	do.	do.
Mr. Robert Brown	Foreman of Works, P. W. D.	—	50	—	50	do.	do.
Miss M. A. Ward	Nursing Sister, Medical	2	30	2	—	13th April 1911 (Lagos)	do.
Capt. J. H. Hopkinson	Assistant Resident	2	20	2	—	26th April 1911	do.
Mr. A. H. Groom	do.	2	10	2	—	do.	do.
Mr. R. K. Johnson	Chief Construction Storekeeper, B. K. R.	2	—	2	—	do.	do.
Mr. C. Townsend	Telegraph Inspector	2	70	2	—	do.	do.
Mr. H. S. Goldsmith	1st Class Resident	2	—	2	—	do.	do.
Mr. J. Bishop	Platelayer, B. K. R.	2	10	2	—	do.	do.
Mr. A. Gordon Grahame	Assistant Accountant, B. K. R.	2	10	2	—	do.	do.
Capt. A. E. Johnson, D.S.O.	Inspector General of Police	2	20	2	—	do.	do.
Mr. H. M. Frewen	Assistant Resident	2	—	2	—	do.	do.
Mr. A. W. Maxwell	Mechanician, Postal and Telegraphs	2	—	2	—	do.	do.
Mr. G. F. Mason	Assistant Postmaster-General	2	—	2	—	do.	do.
Mr. J. H. Boyd	Assistant Engineer, B. K. R.	2	50	2	—	do.	do.
Invalided.							
Mr. T. Tweedie	Foreman of Works, B. K. R.	—	55	—	55	5th April 1911	Full salary.
Mr. E. Lloyd-Williams	Executive Engineer, P. W. D.	—	30	—	—	12th April 1911	do.
Capt. Ion H. G. White	Assistant Resident	—	50	—	—	26th April 1911	do.

Leave of Absence—Continued.

Name.	Office.	Description of Leave.				Date on which steamer left Burutu.	Remarks.
		Vacation.		Return.			
		Months.	Days.	Months.	Days.		
NATIVE STAFF							
Mr. F. J. Hooke	2nd Grade Clerk, Marine	3	—	—	—	15th February 1911	Full salary. (Locally.)
Mr. J. S. Cole	3rd Grade Sorting Clerk & Telegraphist, Post & Tels.	3	—	—	—	5th April 1911	do. Sierra Leone.
Mr. H. A. Paris	2nd Grade Postmaster, Postal and Tels.	3	—	—	—	do.	do. do.
Mr. I. S. Quao	3rd Grade Clerk, Marine	3	—	—	—	12th April 1911	do. Accra.
Mr. C. D. Walker	3rd Grade Clerk, P. W. D.	3	—	—	—	28th March 1911	do. (Locally.)

Extension of Leave.

165						
Name.	Office.	Period.	From.	To.	Remarks.	
Mr. H. W. Langworthy	Assistant Resident	1 week	23rd March 1911	29th Mar. 1911	Urgent private affairs—Without salary.	
Lieut. C. Elliott	Marine Superintendent	1 month	10th March 1911	9th April 1911	Full salary.	
Mr. A. C. Ridsdale	Deputy Director of Public Works	18 days	18th March 1911	4th April 1911	Ill-health. Half salary.	
Capt. C. F. Gordon	3rd Class Resident	1 month and 23 days	10th March 1911	2nd May 1911	do.	
Mr. F. Bisset Archer	Chief Assistant Treasurer	—	22nd March 1911	12th May 1911	do.	

Resumption of Duty.

166						
Name.	Appointment.	Department.	Date of arrival Burutu.		Remarks.	
Mr. T. W. P. Dyer	Assistant Resident	Provincial Administration	2nd April 1911.			
Capt. F. S. Merrick	Deputy Inspector General of Police	Police	do.			
Mr. A. E. Hammond	Superintendent of Workshops	Marine	do.			
Mr. J. P. Will	Accountant	Baro-Kano Railway	8th April 1911.			
Mr. A. Haxton	Engine Driver	do.	do.			
Mr. J. Pearson	Foreman of Works	do.	do.			
Dr. H. Andrew Foy	Junior Sanitary Officer	Medical	do.			
Capt. A. E. Churcher	Assistant Resident	Provincial Administration	18th April 1911.			
Mr. H. J. Chapman	Foreman of Works	P. W. Extraordinary	do.			
Mr. J. C. P. Sciortino	3rd Class Resident	Provincial Administration	do.			
Dr. E. W. Graham	Senior Medical Officer	Medical	22nd April 1911.			
Mr. C. W. Saunders	Engine Driver	Baro-Kano Railway	do.			
Mr. D. Gaskin	Assistant Engineer	do.	do.			
Mr. W. F. Dicker	Engine Driver	Audit	do.			
Mr. T. Beaumont	Assistant Auditor	do.	do.			
Mr. C. Wrightson	Engineer	Marine	do.			
Major H. D. Larymore, C.M.G.	2nd Class Resident	Provincial Administration	do.			
Mr. A. C. Ridsdale	Deputy Director of Public Works	Public Works	do.			
Mr. H. W. Langworthy	Assistant Resident	Provincial Administration	29th April 1911.			
Lieut. Coulton Elliott	Marine Superintendent	Marine	do.			
Mr. H. C. Hall	Assistant Resident	Provincial Administration	do.			
NATIVE STAFF.						
Mr. J. G. Morgan	Assistant Chief Clerk	Treasury	22nd April 1911.			
Mr. A. H. Sackey	3rd Grade Clerk	do.	do.			
Mr. R. A. Barnor	do.	Public Works	24th April 1911.		(Lokoja.)	
Mr. J. M. Kodilinye	4th Grade Clerk	Marine	29th April 1911.			
Mr. P. A. Hammond	3rd do. do.	Chief Secretary's	do.			

Resignations.

167				
Name.	Appointment.	Department.	With effect from.	Remarks.
Mr. B. O. W. Cantrell	General Foreman	Public Works	2nd February 1911.	
NATIVE STAFF.				
Mr. F. H. Cobbina	4th Grade Clerk	Marine	8th April 1911.	
Mr. F. V. Nylander	do.	Provincial Administration	10th April 1911.	

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THE NORTHERN NIGERIA GAZETTE.

APRIL 29, 1911.

APRIL 29, 1911.

THE NORTHERN NIGERIA GAZETTE.

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Promotions.

Name.	Appointment.	Promoted to.	Department.	With effect from.
NATIVE STAFF.				
Mr. C. A. Macfarlane	3rd Grade Clerk, P. W. D.	2nd Grade Clerk	Marine	25th November 1910.
Mr. W. S. Broderick	2nd Grade Clerk	1st Grade Clerk	Chief Secretary's	1st April 1911.
Mr. J. P. Quartey	3rd Grade Clerk	2nd Grade Clerk	do.	do.
Mr. J. W. Smith	4th Grade Clerk	3rd Grade Clerk	do.	do.
Mr. W. C. Daniels	do.	do.	do.	do.
Mr. H. C. Addy	do.	do.	Political	do.

Confirmation of Appointment.

Name.	Appointment.	Department.	With effect from.	Remarks.
Lieut. J. C. O. Clarke	Assistant Resident	Provincial Administration	17th February 1906	

Termination of Appointments.

Name.	Appointment.	Department.	With effect from.	Remarks.
Mr. W. Wells	Traffic Inspector	Baro-Kano Railway	31st March 1911	Permanently Invalid.
Sergt. Major H. Curtis	Royal Engineer	do.	22nd December 1910	do.
Mr. E. R. Best	Foreman of Works	do.	12th October 1910	

Dismissal.

Name.	Appointment.	Department.	With effect from.	Remarks.
Mr. James Thomas	Warder	Prisons	6th March 1911.	

Permanent Staff.

The undermentioned Native Officials, having completed three years service are, with the approval of His Excellency the Acting Governor, placed on the Permanent Staff of the Protectorate from the date stated against their names:—

Name.	Appointment.	Department.	With effect from.	Remarks.
Mr. J. H. Mantey	3rd Grade Clerk	Provincial Administration	4th September 1904.	
Mr. J. E. Andoh	do.	do.	4th September 1903.	
Mr. G. A. Hotonu	do.	Baro-Kano Railway	3rd February 1908.	
Mr. R. E. Mensah	do.	Provincial Administration	12th November 1905.	
Mr. J. A. Quaye	2nd Grade Clerk	Marine	10th September 1905.	

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WEST AFRICAN FRONTIER FORCE.

Promotions.

Rank and Name.	Appointment.	Promoted to.	With effect from.
Lieut. & Quartermaster J. Bremner ...	Quartermaster 1st Bn., N. N. R. ...	Staff Quartermaster N. N. R. ...	13th November 1910.
Captain R. G. Coles ...	Company Officer 1st Bn., N. N. R. ...	Company Commander ...	21st November 1910.
Captain W. J. Maule ...	do. ...	do. ...	21st December 1910.
Sergeant J. Horan ...	2nd Rating Sergt. Artillery, N. N. R. ...	1st Rating Sergeant ...	20th February 1911.

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Re-absorptions.

Rank and Name.	Appointment.	Unit.	Date of re-absorption into British Regiment.
Lieutenant N. C. Orr ...	Company Officer ...	1st Bn., N. N. Regt. ...	16th February 1911.
BRITISH N.C.Os.			
Farrier Sergt. W. Vaudrey ...	Farrier Sergeant ...	Mounted Infantry, N. N. Regt. ...	17th January 1911.
Sergeant J. Quinn ...	2nd Rating Sergeant ...	Artillery, N. N. R. ...	29th March 1911.

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179 Half Yearly Return of Accounts of Estates of deceased persons on Deposit in the Protectorate Treasury at 31st December 1910.

No.	Name.	Amount.			Remarks.
		£	s.	d.	
1	Estate J. Hood ...	0	1	0	Balance of deposit March 1906.
2	" Adeoye Ibadan ...	5	7	9	" " December "
3	" Samuel Barrow ...	1	5	3	Deposited March 1908.
4	" Alli Lokoja ...	3	0	3	" " "
5	" P. A. Macfoy ...	0	5	0	Balance of deposit in August 1908.
6	" Sokia ...	1	0	0	Deposited October 1908.
7	" W. T. Hammond ...	0	0	10	" March 1909
8	" A. E. Johnson ...	0	19	8	" May "
9	" Anthony ...	0	9	1	" June "
10	" Narian Singh ...	67	0	0	" June to December 1909.
11	" R. Bennett ...	126	18	9	" August to October "
12	" P. V. King ...	3	0	0	Balance of deposit in August "
13	" T. A. Thompson ...	1	0	0	" " in September 1909.
14	" E. P. Taylor ...	6	18	3	Deposited October 1909.
15	" Quaye ...	1	12	5	November 1909.
16	" Maidoki ...	1	14	7	" December "
17	" T. Green ...	5	17	10	" February 1910.
18	" R. C. Whyte ...	1	12	1	" " "
19	" Sergeant Guy ...	54	1	5	" April "
20	" Carrier Amadu ...	2	0	0	" " "
21	" Colonel A. M. N. Mackenzie ...	98	19	5	Balance of deposit May 1910.
22	" R. A. Safoe ...	8	0	1	Deposited May to July "
23	" R. W. Bell ...	70	15	4	Balance of deposit June to Dec. 1910.
24	" C. O. C. Hayes ...	0	17	6	Deposited June 1910.
25	" J. W. Lawson ...	6	16	0	" " "
26	" Gallini ...	288	9	6	" " "
27	" J. A. Buckle ...	2	15	6	" August "
28	" H. E. Winckler ...	135	10	4	" September 1910.
29	" L. Demarchi ...	49	0	5	" " "
30	" G. H. Hardie ...	136	1	1	" " "
31	" Sergeant G. T. Bertram ...	39	7	9	Balance of deposit October 1910.
32	" Sergeant M. Sloper ...	22	13	4	Deposited November 1910.
33	" A. S. Williams ...	5	6	8	Balance of Deposit November 1910.
34	" D. H. Lang ...	4	8	6	Deposited November 1910.
35	" J. R. Archer ...	129	7	4	" " "
36	" F. J. M. Huddart ...	221	0	10	Balance of deposit November 1910
37	" Jack Dandy ...	1	5	0	Deposited November 1910.
38	" Tom Walker ...	1	0	0	" December "
					" " "
	Total	£	1,505	18	9

Treasury, Zungeru.
20th April, 1910J. H. BRATT,
Treasurer.

Account of Cash Receipts and Payments from				
RECEIPTS.	Head No.	In the month of December 1910.	From 1st April 1910 to 30th Nov. 1910.	Total from 1st April 1910 to 31st Dec. 10.
		£ s. d.	£ s. d.	£ s. d.
Balance 1st April 1910	...	...	55,470 12 4	55,470 12 4
Balance 1st December 1910	...	74,113 18 10	...	...
Land and Internal Revenue	1	18,218 0 0	81,153 7 0	99,371 7 0
Fees, Payments for Specific Services, &c.	2	283 5 8	2,537 18 2	2,821 3 10
Marine Earnings	3	1,036 9 1	13,943 7 6	14,979 16 7
Post Office and Telegrams	4	3,125 17 3	5,830 11 11	8,956 9 2
Customs Duties	5	3,165 19 9	15,970 16 6	19,136 16 3
Rents	6	750 5 10	1,251 16 9	2,002 2 7
Miscellaneous Receipts	7	4 5 2	876 14 7	880 19 9
Railway Earnings	8	2,439 2 11	11,778 3 7	14,217 6 6
		29,023 5 8	133,342 16 0	162,366 1 8
Imperial Grant-in-aid	9	...	246,000 0 0	246,000 0 0
Contribution from Southern Nigeria	10	...	52,500 0 0	52,500 0 0
Total Revenue		29,023 5 8	431,842 16 0	460,866 1 8
Loan Account Southern Nigeria		...	121,400 0 0	121,400 0 0
Total including Loan Account		29,023 5 8	553,242 16 0	582,266 1 8
Advances Repaid B.K.R. Construction		33,931 13 0	320,683 19 0	1,354,615 12 1
Do. Sundry		1,861 7 11	19,401 10 7	21,262 18 6
Deposits		7,899 2 11	50,717 7 0	58,616 9 11
Drafts and Remittances		22,366 3 0	331,850 14 11	354,216 17 11
Imprests		613 17 8	4,260 17 10	4,874 15 6
Revenue Suspense Account		982 4 1	9,381 16 5	10,364 0 6
Unallocated Stores Suspense Acct. P.W.D.		864 3 2	6,016 14 4	6,880 17 6
Total Receipts		97,541 17 5	1,295,555 16 2	1,393,097 13 7
Balance due to C.A. (amt. o/paid) 30/11/10		...	9,392 14 7	...
Do. Do. 31/12/10		4,883 7 2	...	4,883 7 2
Total		£ 176,539 3 5	1,360,419 3 1	1,453,451 13 1

Zungeru,
31st March, 1911.

1st April 1910 to 31st December 1910.

PAYMENTS.	Head No.	In the month of December 1910.	From 1st April 1910 to 30th Nov. 1910.	Total from 1st April 1910 to 31st Dec. 1910
		£ s. d.	£ s. d.	£ s. d.
Balance due Crown Agents [amount overpaid] 1/4/10.	...	...	21,402 13 10	21,402 13 10
Do. Do. 30/11/10	...	9,392 14 7	...	...
Governor's Office & Govt. House	1	435 15 3	3,803 10 6	4,239 5 9
Do. Map Compilation Staff	2	157 18 2	363 5 8	521 3 10
Secretariat and Printing	3	637 19 6	5,759 18 0	6,397 17 6
Political Department	4	6,186 16 1	50,189 12 11	56,376 9 0
Freed Slaves Home, Zungeru	5	...	57 18 5	57 18 5
Judicial	6	257 9 2	2,251 12 0	2,509 1 2
Treasury	7	378 16 10	4,590 6 5	4,969 3 3
Postal and Telegraphs	8	1,357 11 1	12,248 7 0	13,605 18 1
Medical	9	2,703 12 5	21,475 3 8	24,178 16 1
Audit	10	487 12 2	1,609 2 2	2,096 14 4
Police	11	1,838 12 2	16,115 17 0	17,954 9 2
Prisons	12	800 6 9	6,962 2 7	7,762 9 4
Transport	13	2,116 8 6	17,185 8 1	19,301 16 7
West African Frontier Force	14	10,958 3 9	103,002 19 4	113,961 3 1
Marine	15	3,141 19 6	37,103 12 5	40,245 11 11
Customs	16	146 10 3	1,404 11 8	1,551 1 11
Agricultural and Forestry	17	169 6 2	2,110 17 0	2,280 3 2
Mines	18	80 17 6	530 5 6	611 3 0
Miscellaneous	19	2,915 14 2	18,174 10 5	21,090 4 7
Pensions and Gratuities	20	332 10 9	1,492 15 7	1,825 6 4
Education	21	112 2 2	514 0 9	626 2 11
Cantonments	22	111 7 11	1,382 4 9	1,493 12 8
Public Works Department	23	964 8 0	7,773 19 8	8,738 7 8
Barijuko—Zungeru Tramway	24	179 16 5	1,384 10 0	1,564 6 5
Public Works Recurrent	25	517 3 6	4,955 4 8	4,572 8 2
Baro-Kano-Railway	26	2,113 15 1	14,360 12 4	16,474 7 5
		39,102 13 3	335,902 8 6	375,005 1 9
Public Works Extraordinary	27	2,673 4 7	11,683 4 1	14,356 8 8
Interest on Loan	28	...	30,731 3 10	30,731 3 10
Total Expenditure		41,775 17 10	378,316 16 5	420,092 14 3
B.K.R. Construction Expenditure		...	128,833 0 0	128,833 0 0
Total including B.K.R. Expenditure		41,775 17 10	507,149 16 5	584,925 14 3
Advances B.K.R. Construction		4,658 7 6	328,447 6 5	333,105 13 11
Do. Sundry		2,166 2 0	21,157 13 4	23,323 15 4
Repayment of Deposits		8,686 7 6	72,049 12 8	80,736 0 2
Drafts and Remittances		34,442 11 1	315,886 9 8	350,329 0 9
Imprests		769 0 0	4,269 13 9	5,038 13 9
Revenue Suspense Account		1 8 0	6,416 12 0	6,418 0 0
Unallocated Stores Suspense Acct. P.W.D.		172 2 11	9,525 6 2	9,697 9 1
Total Payments		92,671 16 10	1,264,902 10 5	1,357,574 7 3
Balance 30th November, 1910		74,474 12 0	...	74,474 12 0
Do. 31st December, 1910		...	74,113 18 10	...
Total including balance		£ 176,539 3 5	1,360,419 3 1	1,453,451 13 1

J. H. BRATT,
Treasurer.

181 Account of Cash Receipts and Payments from				
RECEIPTS.	Head No.	In the month of January 1911.	From 1st April 1910 to 31st Dec. 1910.	Total from 1st April 1910 to 31st Jan. 1911
		£ s. d.	£ s. d.	£ s. d.
Balance 1st April 1910		...	55,470 12 4	55,470 12 4
Balance 1st January 1911		74,474 12 0	...	...
Land and Internal Revenue	1	24,833 19 7	99,371 7 0	124,205 6 7
Fees, Payments for Specific Services, &c.	2	251 8 2	2,821 3 10	3,072 12 0
Marine Earnings	3	1,322 6 8	14,979 16 7	16,302 3 3
Post Office and Telegrams	4	...	8,956 9 2	8,956 9 2
Customs Duties	5	1,957 7 5	19,136 16 3	21,094 3 8
Rents	6	207 1 0	2,002 2 7	2,209 3 7
Miscellaneous Receipts	7	16 10 6	880 19 9	897 10 3
Railway Earnings	8	1,886 12 2	14,217 6 6	16,103 18 8
		30,475 5 6	162,366 1 8	192,841 7 2
Imperial Grant-in-aid	9	...	246,000 0 0	246,000 0 0
Contribution from Southern Nigeria	10	17,500 0 0	52,500 0 0	70,000 0 0
Total Revenue		47,975 5 6	460,866 1 8	508,841 7 2
Loan Account Southern Nigeria		112,000 0 0	121,400 0 0	233,400 0 0
Total including Loan Account		159,975 5 6	582,266 1 8	742,241 7 2
Advances Repaid Baro-Kano Railway Construction		33,897 12 8	354,615 12 1	388,513 4 9
Do. Sundry		953 0 11	21,262 18 6	22,215 19 5
Deposits		6,468 4 8	58,616 9 11	65,084 14 7
Drafts and Remittances		38,010 5 5	354,216 17 11	392,227 3 4
Imprests		847 6 10	4,874 15 6	5,722 2 4
Revenue Suspense Account		284 8 6	10,364 0 6	10,648 9 0
Unallocated Stores Suspense Acct. P.W.D.		1,541 6 11	6,880 17 6	8,422 4 5
Crown Agents Advances		20,000 0 0	...	20,000 0 0
Total Receipts		261,977 11 5	1,393,097 13 7	1,655,075 5 0
Balance due to C.A. (amount overpaid) 31/12/10.		...	4,883 7 2	...
Total including balance		336,452 3 5	1,453,451 13 1	1,710,545 17 4

Zungeru,
28th April 1911.

1st April 1910 to 31st January 1911.

PAYMENTS.				
	Head No.	In the month of January 1911.	From 1st April 1910 to 31st Dec. 1910.	Total from 1st April 1910 to 31st Jan. 1911.
		£ s. d.	£ s. d.	£ s. d.
Balance due to C.A. (Amt. overpaid) 1/4/10		...	21,402 13 10	21,402 13 10
Do. Do. 31/12/10		4,883 7 2	...	...
Government's Office & Government House	1	548 12 9	4,239 5 9	4,787 18 6
Do. Special Map Compilation Staff	2	154 11 0	521 3 10	675 14 10
Secretariat and Printing	3	949 0 1	6,397 17 6	7,346 17 7
Political Department	4	6,763 3 9	56,376 9 0	63,139 12 9
Freed Slaves Home, Zungeru	5	...	57 18 5	57 18 5
Judicial	6	581 12 5	2,509 1 2	3,390 13 7
Treasury	7	562 7 1	4,969 3 3	5,531 10 4
Postal and Telegraphs	8	1,376 0 11	13,605 18 1	14,981 19 0
Medical	9	3,006 18 5	24,178 16 1	27,185 14 6
Audit	10	252 8 4	2,096 14 4	2,349 2 8
Police	11	2,197 2 7	17,954 9 2	20,151 11 9
Prisons	12	853 0 2	7,762 9 4	8,615 9 6
Transport	13	2,485 15 0	19,301 16 7	21,787 11 7
West African Frontier Force	14	11,360 19 3	113,961 3 1	125,322 2 4
Marine	15	4,349 4 11	40,245 11 11	44,594 16 10
Customs	16	182 6 0	1,551 1 11	1,733 7 11
Agricultural and Forestry Department	17	108 3 5	2,280 3 2	2,388 6 7
Mines	18	65 6 8	611 3 0	676 9 8
Miscellaneous	19	1,625 19 8	21,090 4 7	22,716 4 3
Pensions and Gratuities	20	277 16 8	1,825 6 4	2,103 3 0
Education	21	99 7 1	626 2 11	725 10 0
Cantonments	22	125 15 0	1,493 12 8	1,619 7 8
Public Works Department	23	842 8 8	8,738 7 8	9,580 16 4
Barijuko-Zungeru Tramway	24	130 17 10	1,564 6 5	1,695 4 3
Public Works Recurrent	25	546 0 7	4,572 8 2	5,118 8 9
Baro-Kano Railway	26	3,377 13 6	16,474 7 5	19,852 0 11
		42,822 11 9	375,005 1 9	417,827 13 6
Public Works Extraordinary	27	2,352 15 0	14,356 8 8	16,709 3 8
Interest on Loan	28	45,175 6 9	389,361 10 5	434,536 17 2
		11,483 4 2	30,731 3 10	42,214 8 0
Total Expenditure		56,658 10 11	420,092 14 3	476,751 5 2
B.K. Railway Construction Expenditure		5,553 10 2	128,833 0 0	134,386 10 2
Total including B. K. R. Expenditure		62,212 1 1	548,925 14 3	611,137 15 4
Advances B. K. R. Construction		152,568 14 11	333,105 13 11	485,674 8 10
Do. Sundry		1,470 0 11	23,323 15 4	24,793 16 3
Repayment of Deposits		4,502 11 5	80,736 0 2	85,238 11 7
Drafts and Remittances		19,187 9 9	935,329 0 9	936,516 10 6
Imprests		743 10 0	5,038 13 9	5,782 3 9
Revenue Suspense Account		95 3 9	6,418 0 0	6,513 3 9
Unallocated Stores Suspense Acct. P.W.D.		172 10 7	9,697 9 1	9,869 19 8
Total Payments		240,952 2 5	1,357,574 7 3	1,598,526 9 8
Balance 31st December 1910		...	74,474 12 0	...
Do. 31st January 1911		90,616 13 10	...	90,616 13 10
Total including Balance		336,452 3 5	1,453,451 13 1	1,710,545 17 4

J. H. BRATT,
Treasurer.

QUARTERLY SUMMARY OF CANTONMENT ACCOUNTS, ZUNGERU.

FROM 1ST OCTOBER TO 31ST DECEMBER, 1910

	Receipts.			Expenditure.		
	£	s.	d.	£	s.	d.
October 2						
To balance cash on hand	8	13	2	100	13	3
" Cantonment Rates	43	1	9	166	8	0
" Conservancy Fees	35	15	6	10	5	0
" Miscellaneous, Poundage &c.	41	14	6	0	6	0
" Grant from Treasury	179	13	3	9	0	0
				22	5	11
	308	18	2	308	18	2

Zungeru,
31st December, 1910.

E. H. MORRIS,
Local Auditor.
25th April, 1911.

ION H. G. WHITE,
Cantonment Magistrate.

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Monthly Meteorological Return.

PLACE OF OBSERVATION.	TEMPERATURE.					RAINFALL.				OBSERVER.	
	Highest in the Shade.	Lowest in the Shade.	Mean.	Greatest Diurnal Variation.	Mean relative Humidity % a.m.	Total.	Maximum on one day.	Daily average.	No. of days on which rain fell.		Prevailing Wind. 9 a.m.
	Deg.	Deg.	Deg.	Deg.	Deg.	Ins.	Ins.	Ins.			
DECEMBER 1910.											
Maiduguri	98	49	73.12	42	35.93	—	—	—	—	E.	Dr. Inness.
JANUARY.											
Maiduguri	101	52	77.78	40	37	—	—	—	—	N.E.	Dr. Inness.
Nafada	100	—	—	—	41	—	—	—	—	W. & N.E.	Lt. Ching, & Dr. Lobb.
FEBRUARY.											
Maiduguri	104	54	75.85	46	29.92	—	—	—	—	N.E.	Dr. Inness.
Naraguta	95	51	71.69	42	25.35	—	—	—	—	N.E.	Dr. Gordon Hall.
Bauchi	100	57	77.5	34	23.7	—	—	—	—	N.E.	Dr. Bissell.
Zaria	103	50	75.9	50	26.19	—	—	—	—	N.E.	Dr. Porteous.
Birnin Kebbi	104	55	78.2	39	28.5	—	—	—	—	N.E.	Dr. Lindsay.
Geidam	104	47	76	49	23.7	—	—	—	—	N.E.	Dr. Chesnaye.
Sokoto	98	60	78	33	25	—	—	—	—	N.E.	Dr. Dalziel.
Yola	101	69	84	32	50.35	—	—	—	—	N.E.	Dr. Costello.
Nafada	105	52	76.5	50	30	—	—	—	—	N.E.	Dr. Lobb.
Zungeru	102	70	86.2	32	56	1.12	.58	.036	4	S.W.	Dr. Fagan.

29th April, 1911.

J. P. FAGAN,
Acting P. M. O.

SUPPLEMENT TO
The Official Gazette
No. 4 OF 1911.

Nigerian Mines in the Reign of George IV.

IN view of the great interest now being taken in the metalliferous areas of Northern Nigeria it may be of interest to recall the enumeration of the "mines" existing in what is now Northern Nigeria in 1825 by Mohammadu Bello, son of the Fulani preacher and leader Othman dan Fodio, and second Sultan of Sokoto.

At this time the explorer Clapperton was at Sokoto and on the best of terms with the Sultan. It was only on his second visit to the Sudan that he drew on himself the suspicion of the Sultan, either because he was in correspondence with the ruler of Bornu, with whom Bello was then on bad terms, or because of a not altogether unfounded suspicion that the visits of and treaties with Europeans foreshadowed a future day of foreign domination.

* A work written within three years of Clapperton's death at Sokoto, draws the following picture of the circumstances which led to Bello's change of attitude:—

"Jealousies had begun to foster in the breasts of the African Princes. They dreaded some ambitious design in these repeated missions sent by England, without any conceivable motive; for that such men should undertake such long journeys out of mere curiosity they could never imagine. The Sultan accordingly had received a letter from the court of Bornu, warning him that by this very mode of sending embassies and presents which the English were now following towards the states of Central Africa, they had made themselves masters of India and trampled on all its native princes. An alarm had in fact been spread through Sokoto that the English were coming to invade Haussa. The panic was groundless. No European potentate would at present dream of attempting to conquer those vast and almost inaccessible regions of Interior Africa."

(Subsequent events, as Miss Kingsley remarks in quoting this passage ("The story of West Africa") have demonstrated that the view of the politician at Bornu was more far-seeing than that of the learned gentlemen at Edinburgh.)

But whatever may have been the reasons for Bello's later change of front, on Clapperton's first visit all went well. Bello showed the greatest readiness to supply his guest with information and even wrote out for his edification an extract from a work he had previously composed, entitled "Infak-ul-maisuri bi tarikh bilad et Tekruri" dealing with the history and geography of the Sudan and incidentally of that portion of it comprised in Bello's dominions. With the greater part of this early official Gazetteer of Nigeria I need not concern myself here—But among other items of information it contains a list of the mines worked or supposed by Bello to be worked at the time, all but one of which it is possible now to identify while the other may yet be rediscovered.

Bello naturally supposed that his European visitors would be interested in the precious metals to be obtained in his country. "He spoke," says

Clapperton, "of the gold and silver to be obtained in the hills of Yakoba and Adamawa, but I assured him we were less anxious about gold mines than the establishment of commerce and the extension of science"—a reply, which it is difficult to imagine as emanating from a pioneer of the 20th century; indeed even 90 years ago it seems to have been received with polite incredulity.

At any rate, the mines were duly set down in the "simple account." The copy or extract written out by Bello was brought to England by Clapperton after his first expedition and a translation of part of it was published as Appendix XII to the Narrative of Travels and Discoveries by Denham Clapperton and Oudney (John Murray 1826).

I have recently been able to compare this translation with a copy of the Arabic original at Sokoto, and I find it is possible to identify by the Arabic characters several names of places which are almost unrecognisable in the published translation. The mining industry is mentioned in a section enumerating the various divisions of "Bauchi" nine in number, nominally included in the Zaria Emirate. It runs as follows:—

"For this reason (*i. e.* the conquests of a previous ruler of Zaria or Zazau) Zazau has become the richest of the provinces of Bauchi. Among these is the division of Gwari containing seven sub-divisions all speaking the same tongue; Islam has not spread among them. There are also the divisions of Gwandara and Riruwei (in the latter there is a lead mine), and Basa, and Kadauru, and Duma and Yasko, and Kwato, and † Adama, and a second Kawto which contains a mine of copper and of yellow copper. Also there is Kwororofa, which unites some 20 sub-divisions under a single Chief..... in this country there is a mine of antimony and one of gold and one of salt."

This "Bauchi" is not the same as the modern Bauchi—(town and emirate)—which were at the time the work was written, and for long afterwards, (for instance in Barth's day) known always as Yakoba, from the name of their founder. I may mention incidentally that the common derivation of "Bauchi" from *bawa* a slave, *bawta* slavery, as meaning the land of slavery, or the place the slaves come from, is specious but erroneous.

The word *Bauchi* is connected with "*baibai*"—"bobawwa" in Hausa and many other words in other languages and means, primarily, unintelligibility of language and secondarily hopeless inferiority and incomprehensibility of institutions (from the point of view of the name-giving race.) It is of course possible that *bawa* and *bauchi* may be collaterally related but the latter is certainly not the direct descendant of the former, nor has it, when applied to the province conquered by Yakoba and subsequently to his town, the meaning which Europeans have generally attached to it. In fact the name "Bauchi" for the town is quite recent. It is true enough that the slaves did come from "Bauchi" but that is because the "barbarians" naturally furnished

* Africa by Professor J. J. Wilson, F.R.S.E. and Hugh Murray, F.R.S.E., 1830. † This name has no connexion with Adamawa.

the material for the man-hunts organised by the Hausa-speaking Mohammedans, and dignified by them with the name of Jihad.

By "Bauchi" then, I think that Bello meant pretty well everything he had heard of to the South of the Hausa country except Yoruba and Nupe neither of which peoples were classed as "barbarians." "Bauchi" is considered as falling into several divisions and of these Riruwei, Kwoto, and Kwororofa is each the sea of a mining industry circa 1820 A.D.

At "Riruwei" says Bello, there is a tin mine. The Arabic word *rasas* is translated "lead" in the published translation referred to but it equally means "tin," for which there is no separate word in the Arabic of Nigeria.

Bello's information on this point was evidently quite reliable. In 1902 it was found that the people of Riruwei or Liruwei were getting tin from the alluvial deposits of the River Delime, and smelting it themselves, keeping the process as a village monopoly. It was the tin produced by them which, finding its way to the trading stations on the river, led the Niger Company to investigate the upper reaches of the same stream, from the valley of which now comes the tin produced by the Naraguta mine.

It is, however probable that the Riruwei of Bello's day was not in exactly the same position as the present Liruwei. The present inhabitants of this place—or rather their ancestors, lived at a place now called Riruwein-Kano (so called to distinguish it from the other Riruwei which is within the Bauchi Emirate) about 50 miles North by West of their present habitation, in a quite distinct river basin. There they used to work tin, but either they found the more easily accessible deposits failing, or they discovered that the River Dilime bed was richer, for they migrated to the latter place, bringing with them the secret of their furnaces and moulds as well as the name of their old home. The date of their migration is uncertain and I do not remember the date given me by natives when I was in the Bauchi Province more than two years ago. I think however that the movement of the Liruwei people to their present field of operations was subsequent to the date of Bello's gazetteer.

Next we come to "Kwato." Two subdivisions of this are mentioned, each of which bears the name "Kwato." One of these is said to contain a mine of copper and one of "yellow copper." The word used for the latter is "shabh" which means, according to the dictionary, yellow copper or brass apparently referring to a light coloured ore, possibly roughly with the present Nassarawa Province and the South East portion of the Zaria Province. I do not know whether copper has been actually discovered there (as it has rather further East on the Bauchi plateau.) It is however extremely likely that both copper and tin exist within in this area, and I was recently shown by Mr. Withers Gill a large lump of roughly smelted copper which had been dug up on the site of an old village in the hilly country in the South-east portion of Zaria.

Perhaps the most interesting allusion is to "Kwororofa" and its mines of antimony, gold and salt. Into the legendary history of the "Kwororofa Empire" I need not enter. Some notes on it appeared in the journal of the African Society in a paper by Captain Ruxton on the tribes of the Muri Province of Northern Nigeria. Little is known for

certain about its rise and fall. The site of the old Jukum capital (identified with that of Kwororofa) is supposed to be in the neighbourhood of Suntai, south of the Benue, in what is now the Muri Province. Wukari, a few miles from Ibi is the sole remaining seat of such honour and dignity as the degenerate rulers of the once powerful Jukum race can maintain. But for the British occupation they would probably have been reduced to vassalage by their more virile neighbours the Munchia.

Sufficient, however, remains of its history, to enable us to say that the northern frontier of Kwororofa at one time probably coincided roughly with a line drawn from Nafada on the Gongola to Idda on the Niger, and its influence was felt and its raids dreaded as far as Kano and the capital of Bornu, formerly much further west than it is now. By the time that Bello wrote his geographical primer the power of Kwororofa had so far declined that the name may be taken to include the valley of the Benue from Lau to Loko extending to the West of Longitude 11 East as far as the ranges of hills through which runs the present Anglo-German boundary line, and in which the Southern affluents of the Benue have their sources.

Even without ascribing to it such extended limits we can account for two of the mines which Bello says it contained. It is perhaps unnecessary to say that the substance used throughout Northern Nigeria for enhancing the attractions of the feminine or masculine eye is generally not antimony but galena, though it is always translated by the Arabic word for antimony "Kohl" and by a corruption of this word "Kwollu" in Hausa.

Undoubtedly the "antimony" mine which Bello places in Kwororofa is that at Orutu from which galena is still extracted by the natives. It was for a time worked by the Royal Niger Company, chiefly I believe on account of the pockets of silver which it contains, but a general rising of the Munchia in 1885 put an end to mining operations there, and they have never been resumed.

The "salt mine" also is still a going concern, as the "mine" referred to is certainly either in the neighbourhood of Awe to the north of the Benue or a little further west in Nassarawa Province. Strictly speaking it should hardly be called a mine as the salt is won from the earth of surface diggings which has been impregnated with the salt from saline springs. A very full account of the geological formation in the neighbourhood of the salt and antimony mines and of the method used by the natives in extracting the former appeared in the Report of the Mineral Survey of Northern Nigeria for 1904-05. Several hundred tons of salt are produced yearly by the natives from these very primitive workings, which until recent years constituted a very important source of supply for people who were unable to obtain salt imported either from the sea coast or from the salt pans of the S. Sahara.

The "gold mine" in Kwororofa has still to be discovered. Possibly Bello's reference to it may encourage some to persevere in the search. So far as I am aware no gold has been found in this part of Northern Nigeria. Some years ago one heard persistent stories of gold discoveries in the German Kameruns near the headwaters of the southern affluents of the Benue, but I do not know what the actual facts were. In the Geological notes accompanying the report of the Anglo-German Boundary

Commission between Yola and the Cross River (1907-1909) there is no mention of any evidence of gold having been met with.

Perhaps, on the other hand, there never was a gold mine in Kwororofa and when Bello speaks of gold he really means silver. This seems the more likely as silver is not otherwise alluded to although its occurrence with the galena could hardly, one would imagine, escape remark. If there really was a gold mine known to the natives in 1820, or deposits of alluvial gold rich enough for them to make anything of, it is very strange that there is neither any extant tradition of it, nor any trace of locally made gold ornaments such as have usually been found in African districts where gold exists in such a form as to be accessible to the primitive methods of extraction known to the aboriginal population.

With this division the list of Bello's mines ends. Some may regret that Clapperton did not give a more cordial encouragement to his informant's inclination to enlarge on the "gold and silver to be obtained in the hills of Yakoba and Adamawa." At all events there are a good many people now wandering about the "hills of Yakoba" who would be quite pleased to have information as to its whereabouts.

W. F. GOWERS.

Extract from report on the Sub-District of Dan Isa, (Kano Province).
(BY ASSISTANT RESIDENT GEPP.)

ONIONS. There are a good many onion farms on the banks of the Chalwa and Selanta in the villages of Yan Donko, Korimbu, Tsamawa and Kabba on the banks of the Chalawa, and in Shekar Barde, Sherada, Gandu and one or two other villages through which the small river Selanta flows. The farms are divided up into small plots (Komi) about 4 feet square; an average size farm will contain from 500 to 600 Komi.

The land chosen for the farm must gradually slope away from the bank of the stream. Through the centre of the farm a channel is dug to carry the water and distribute it throughout the farm. The water channels and the Komi are banked up by the walls of earth about 4 inches high to contain the water. These banked up walls are called "Doki."

In order to water the farm the water is drawn up from the stream, or from a hole dug in the bed of the stream, by means of a "Jigo", a pole weighted at one end with earth to balance the water which is hauled up in a calabash at the other end. The water when drawn up, is emptied into a sloping platform of straw from which it flows directly into the main channel and is distributed throughout the farms.

Although the farm may contain 500 or more "Komi" each "Komi" is watered separately. The water having been sent down the main channel through the centre of the farm, the entrances to all the smaller channels which lead between the rows of the "Komi," except one, are blocked with earth. The water flows down this one and enters each Komi in turn, a hole being made in the Doki to allow the water to flow in. As soon as the Komi is full of water, the hole in the Doki is blocked up with earth again, and the next Komi is treated in the same way until all the Komi in the channel have been

watered. The entrance to the channel is then blocked with earth, and the block removed from the next channel; this is repeated until all the Komi in the farm have been watered.

The farms have to be watered during the dry season every five or six days.

Two "Komi" of onions sown for seed purposes are sufficient to supply enough seed for a farm of 600 "Komi."

The onions are planted in the dry season, December and January being the best months. The seeds are sown in October or November and when the plants is from 9 inches to 1 foot above ground it is gathered and planted the same day in the Komi, each Komi taking on an average 30 onions. The onions should be full grown and ready for gathering about the beginning of the rains, four months after planting.

The local market price of onions varies from 3d to 6d for 30, which is the number one Komi will produce. On a farm containing 600 Komi, each of which will produce say, 3d, the farmer should make a gross income of about £7-10/-. As onions are sown in the channels as well as in the Komi about another 10/- worth of onions will be produced on a farm of this size. After taking into account expenses of labour for watering the farm, losses from bad onions etc, I think it safe to say that the farmer will make a net profit of from £6 to £7.

I have explained the above in some detail as now that the Baro-Kano Railway will shortly reach Kano, it may possibly be worth while to encourage the people to grow onions on a more extensive scale for export into the Southern Provinces and into Southern Nigeria. As far as I remember onions were difficult to obtain in Southern Nigeria. At present only sufficient onions are grown to supply local needs, but should a demand arise I think a great many more could be grown and supplied from this Sub-District.

WHEAT. A fair amount of wheat is also grown on the irrigation farms. The wheat farms are divided up into Komi in the same way as the onions farms and are watered by the same means.

The seed should be sown in November or December as taking about five months to ripen, it can then be harvested before the rains begin. If not harvested until after the commencement of the rains, the grain will probably rot, or, at least, be seriously damaged.

The produce of one Komi is worth about 1d. It is sold by the mudu (smaller weight) at 2d. a mudu at harvest time. The price will rise from this to 3d. or more by the end of the season. One mudu should contain the produce of two Komi. A wheat farm therefore of 600 Komi will give a gross profit of about £2 10s. or, say, a net profit of about £2.

The greater part of the wheat sold in Kano is obtained from the town of Begwai and neighbourhood in the Sub-District of Madowaikin Kano.

COTTON. A fair amount of cotton is grown throughout the whole of the Sub-District. Soil of a rather light loamy kind seems to be that best suited.

The farmers say that the soil that is best suited for Kaura (the best kind of guinea corn) is also best for cotton. At present only sufficient cotton

is grown to supply the local demand. But as Kaura can be grown throughout the whole country it would appear that cotton could also be grown in large quantities, should a demand arise.

The same ground is never sown two years running with cotton, fresh plots being chosen on land on which Kaura has previously been grown.

The farmers invariably manure the land for cotton. If they cannot obtain animal manure they use ashes.

METHOD OF CULTIVATION. The ground having been selected is hedged round to keep off goats &c. The seed is sown in holes 3 feet apart; as the ridges are also 3 feet apart the plants are each 3 feet from each other.

The cotton should be ready for plucking by November or December. If the plant is in good condition a farm of one acre should produce 2 Keso (Kororo) weight of cotton on the first plucking. After leaving the plants for from 14 to 21 days they can be plucked again, when one Keso weight should be obtained. After a similar interval of time another Keso weight should be produced. The plant can be plucked five or six more times, if the crop is a good one, but these further pluckings will not produce, as a rule, more than half a Keso. Should however the crop be a poor one not more than 2 or 3 pluckings will be obtained from it. One Keso of cotton weighs about 40 lbs and is worth about in the local markets from 5/- upwards in accordance with the scarcity or otherwise of the material.

A farm of one acre will therefore, if the crop is a good one, produce about 8 Keso or say 350lbs of cotton a year worth about £2 in the local markets.

The usual proportion of seed to lint is said to be rather less than $\frac{1}{2}$ lint to $\frac{3}{4}$ seed. In every acre therefore the farmer will produce, say, 115 lbs of lint and 235 lbs of seed, if the crop is a good one. A good many farms were noticed from which even this amount would not have been obtained.

Probably with improved methods of cultivation the crop per acre could be greatly increased. The farmers from whom I obtained the above information told me that they attributed the difference between a good and bad crop almost entirely to the use or otherwise of a sufficient quantity of good manure.

The cotton which is worth 5/- a Keso is abduga (lint and seed combined.) Kada (the lint separated from the seed) does not appear to be often sold in the markets.

German Cameroons.

THE following extract from a report written by Mr. K. V. Elphinstone, Third Class Resident on his tour through the North West portion of the German Cameroons is published for general information.

A report on the Cameroons would be quite incomplete without saying something on the small district of Bamum, which is not yet administered. The headman is really most intelligent for an African native. He has himself invented a new form of writing which is being taught in his schools by his own teachers. He is having translated into Bamum and written in his own symbols in one and

the same room the Bible and Koran and is further codifying his own Pagan laws modified by what he finds good in the Christian Bible and Koran. He has industrial schools to teach his people the Hausa and European arts and crafts; he has himself designed and built a bungalow of three storeys cutting his own timber in the bush and making his own sun-dried bricks. He was presented once by the Kaiser with the uniforms of 200 cuirassiers, and he raised a squadron of 200 men; but on being shown the error of dressing himself and his men in European clothes he sold the whole outfit in a fortnight and now no European clothes are to be seen at all. Two of his 104 children have been given to the Basle Mission; the rest are being brought up as pagans or as Moslems in a very modified form and I should say that unless steps are taken the Moslem religion will become the general religion at Bamum; already Moslem names are being introduced.

Abstract from report on Muri Province for September Quarter 1910.
(RESIDENT RUXTON.)

1. In September the Province was visited by His Excellency the Governor, accompanied by the Inspector-General of Police and the Senior Sanitary Officer. The Director of Education also made an inspection.

2. Attempts were made during the quarter to establish a system of taxation among the Munchis. The assessment of the Kwolla district was completed.

The average incidence throughout the Ibi division exclusive of the Kwolla Pagan district, is now 4/- per adult male. The average incidence in the whole Emirate of Muri is 2/8 $\frac{1}{2}$.

3. Concerning trials by ordeal, the Resident writes—"It is reported that some sections of Munchis, south of Abinsi, seeing our disapproval of their judicial method of trial by the Sass-wood ordeal have substituted for it the ordeal of hanging which must be even more painful for the accused than the taking of Sasswood. Even in cases of witchcraft I believe the Munchis would be quite willing to hand the accused over to our justice the difficulty to them is that the judge is seldom at hand when his services are required, consequently the community have to proceed on their own approved method."

4. The experimental cotton plantations at Ibi and Abinsi showed good prospects of successful cultivation. Towards the end of September, however, the fields began to be attacked by insect pests. The cotton seed obtained from the British Cotton Growing Association ginnery at Lokoja and which was distributed to the natives showed a very poor proportion of germination. The reason for this has not yet been adequately explained.

5. There are at Ibi, a considerable number of Ceara Rubber trees which, it is believed, were planted there by Mr. Hewby 10 to 12 years ago.

During September experiments were made in tapping some of these trees, and in spite of inexperience and inadequate tools the trees yielded a satisfactory amount of latex. It would appear that the Muri District is well suited to the production of Ceara Rubber, but expert knowledge is much required as regards the cultivation of the tree and the collection of latex.

The River Benue reached its highest level on September 23rd.

A new cemetery for Christians has been laid out on the Southern slope of the ridge at Ibi.

Extract from report on the Sub-District of Dan Makoyo, (Kano Province.)

(BY ASSISTANT RESIDENT GEPP.)

ROTATION OF CROPS The first year Kaura is sown, the second year Farafara or Gero, the third year Maiwa or Maiwa and Farafara in alternate rows, the fourth year Maiwa alone. The ground is then left fallow for two or three years to recuperate.

If the farmer possesses three or more farms he usually has one or more lying fallow. Those with only one farm, after cultivating it for 4 years devote themselves to some industry or go trading in order to give the land a chance to recover its strength.

It may be taken as a general rule that never more than two thirds of the farms in the sub-district are in cultivation in one year.

MANURE. The use of manure is general throughout the sub-district. If the farmer cannot obtain sufficient from his own stock he either buys it or gets a Fulani herd of cattle to graze on his farm for a month or so.

He either buys it by the "Kwondo," the usual price being £50 per "Kwondo," or, as is much more usual, he buys a large quantity at a time paying from £1000 to £10,000 according to quantity. Donkeys loaded with Mangala bags of manure may frequently be met carrying the manure to farms.

About 50 "Kwonduna" of manure is required for 1 acre i.e. the cost of manuring 1 acre is about £1500 (9d.)

If instead of buying manure Fulani cattle are grazed on the farm the recognised form of payment is a parcel of salt worth about £500 (3d.) a burudim of Kanwa and a bundle of guinea corn for every 20 head of cattle per month.

Cotton.

THE following hints on Cotton Cultivation are published for general information.

Newton Ginney,

Lokoja, April 10th 1911.

REMARKS ON DISCOLORATION

Sir,

Much of this is due to picking whilst immature, and a portion to the stainer.

Whilst many remedies exist for the latter they are invariably troublesome and expensive and unlikely to appeal to natives. The best method is prevention in both cases and this can only be attained by proper attention to cultivation. We realize that it is a difficult problem to see suggestions carried through and are rather averse to preaching what is unlikely to be taken up, at the same time, if the attached simple instructions are observed, they will go a long way towards prevention.

SUGGESTION FOR IMPROVING COTTON.

Thinning. The young plants should be gradually thinned out or singled to not more than one plant after they are about six inches high, the strongest plants being left at a distance of about 18 to 20 inches apart, according to the particular variety of cotton under cultivation.

This thinning out process is most important as usually too many plants are left. Invariably the native custom is to leave four or five plants growing together, with the result that in such a condition they cannot be expected to be otherwise than dwarfed, and never able to yield so well as strong, healthy, and robust plants would do.

Weeding. The crop must afterwards be constantly kept free from weeds so as not to shade the young plants, by hoeing, or breaking up the surface soil, which latter process also tends to conserve the moisture. Three or four cultivations and weedings, of this description should be carried out during the growing period of the crop.

Picking. Another important matter to be observed is the proper harvesting of cotton, and careful treatment of same in the field and storage before marketing. No picking of bolls should take place until they are quite ripe and fully opened. Immature cotton is inferior in strength, length of staple and general quality, to a thoroughly ripe lint.

(Sgd) H. WORSLEY
Manager.

News Circular No. 6 of 1911.

OFFICIAL ZUNGERU, 4TH APRIL, 1911.

1. Sailings; Liverpool:—8th March, Misses E. M. Deering and E. Moorehead, Nursing Sisters, Lieutenant J. V. Macartney, N.N.R., Lieutenant T. S. Wickham, N.N.R., Mr. E. L. C. Belmar, Junior Assistant Treasurer, Mr. A. Hanson, General Foreman, B.K.R., Mr. F. F. Hopkins, Chief Asst. Secretary, Dr. W. A. Trumper, Medical Officer, Major E. C. Hides, N.N.R., Mr. G. W. Gibbs, Statistician & Accountant Marine, Mr. G. F. Price, Assistant Treasurer, Dr. K. McGahey, Medical Officer, Mr. R. N. Pike, Assistant Resident, Mr. A. H. D. Paul, Assistant Resident.

15th March:—Mr. A. E. Hammond, Supt. of Workshops Marine, Captain F. S. Merrick, Deputy Inspector General of Police, Colour Sergeant T. H. Robinson, N.N.R., Captain T. W. P. Dyer, Assistant Resident.

22nd March:—Mr. J. Powter, Traffic Assistant B.K.R., Mr. J. Stewart, Storekeeper P.W.D., Messrs. J. H. M. Molyneux, G. J. Lethem and R. W. Williams, Assistant Residents, Lieutenant A. G. C. Colquhoun, N.N.R., Mr. J. P. Will, Accountant B.K.R., Mr. A. Haxton, Engine Driver, B.K.R., Mr. J. Pearson, Foreman of Works, B.K.R., Colour Sergeant C. H. Gosling, N.N.R., Captain J. M. Simpson, N.N.R., Dr. H. A. Foy, Medical Officer, Captain A. E. Churcher, Assistant Resident.

29th March:—Mr. A. E. Hall, Platelayer B.K.R., Lieutenant H. W. Symons, N.N.R., Mr. J. Dierden, Foreman of Works, P.W.D., Corporals C. C. Crook, R.E. and R. R. Rowland, R.E., Surveyors, Mr. H. J. Chapman, Foreman of Works, P.W.D. Ext., Mr. J. C. P. Sciortino, 3rd Class Resident.

2. Sailings; Burutu:—15th March, Captain W. T. Wilkinson, N.N.R., Lieutenant J. O. Hopkinson, N.N.R., Lieutenant R. B. Clifton, N.N.R., Mr.

K. T. Rae, Assistant Superintendent of Cotton Industry, Dr. H. W. Gush, Medical Officer, Mr. H. B. Grimley, Transport Officer, Mr. R. Hill, Armourer, N.N.R., Mr. C. C. Yates, Asst. Resident.

22nd March:—Captain S. C. Taylor, Assistant Resident, Mr. P. de Putron, Assistant Resident, Mr. D. H. C. Monro, Assistant Resident, Lieutenant W. T. Wyllie, N.N.R., Mr. A. E. Dawson, Telegraph Inspector.

29th March:—Major F. Edger, Asst. Resident, Dr. S. W. Thompstone, P.M.O., Dr. G. B. Norman, Medical Officer, Lieutenant C. H. Ching, N.N.R., Lieut. J. F. L. Cogan, N.N.R., Mr. E. H. B. Laing, 3rd Class Resident, Mr. J. Pitman, Master Marine.

3. Arrivals; Burutu:—4th March, Mr. F. B. Gall, 2nd Class Resident, Mr. J. M. Maxwell-Lyte, Assistant Resident, Mr. J. F. Cahill, Gaol Keeper, Mr. W. Gosden, Fitter P.W.D., Mr. G. G. Pomeroy, Foreman of Works, B.K.R.

13th March:—Mr. G. R. Matthews, Chief Asst. Secretary, Mr. M. L. Liddard, Asst. Resident, Miss E. A. Bott, Nursing Sister, Sgt. H. W. Simpson, N.N.R., Messrs. J. Young and J. W. Fenwick, Traffic Inspectors, B.K.R.

18th March:—Mr. C. G. Reynolds, Assistant Accountant, B.K.R., Mr. T. H. Orme, Foreman of Works, B.K.R., Captain G. H. Burnside, District Superintendent of Police, Mr. T. J. Waters, Asst. Engineer, B.K.R., Sgt. H. W. Johnson, N.N.R., Sgt. J. W. Swain, N.N.R., Sergeant Major P. G. Noot, N.N.R., Captain A. G. Uniacke, District Superintendent of Police, Sgt. W. Vicars, N.N.R., Sergeant A. M. Jarvis, N.N.R., Sergeant T. E. Oliver, R.A.M.C., Medical, Mr. C. Wightwick, Assistant Resident, Lieutenant P. Lyon, N.N.R., Dr. G. J. Pirie, Medical Officer, Mr. A. S. Collard, Executive, Engineer, B.K.R.

Postings:—Mr. R. N. Pike, Niger, Mr. A. H. D. Paul, Ilorin, Captain T. W. P. Dyer, Bauchi, Mr. J. H. M. Molyneux, Mr. G. J. Lethem, Ilorin, Mr. R. W. Williams, Nassarawa, Captain A. E. Churchers, Muri, Mr. J. C. P. Sciortino, Kabba.

His Excellency the Acting Governor and Staff left for Naraguta on tour on 28th March expected return Headquarters 6th instant.

Baro-Kano Railway. Railhead reached Kano 28th ultimo amidst great enthusiasm first train signalled into Kano by Emir Kano.

Resident Orr, transferred Cyprus as Chief Secretary.

News Circular No. 7.

OFFICIAL ZUNGERU, 17TH APRIL, 1911.

1. Sailings; Liverpool:—5th April, Mr. R. Shaw, Foreman P.W.D., Mr. H. C. G. Bridger, Asst. Auditor, Mr. D. Gaskin, Asst. Engineer, B.K.R., Messrs. C. W. Saunders and W. F. Dicker, Engine Drivers, B.K.R., Lieut. L. C. Brodie, N.N.R., Mr. T. Beaumont, Asst. Auditor, Mr. C. Wrightson, Engineer Marine, Major H. D. Larymore, 2nd Class Resident, Mr. A. C. Ridsdale, Deputy Director of Public Works, Mr. H. W. Langworthy.

2. Sailings; Burutu:—5th April, Colonel E. P. Strickland, Commandant, Inspector General Wilkinson, W.A.F.F., Capt. G. H. Ollivant, Staff Officer, Lieut. E. Stone, N.N.R., Mr. G. H. Brown, Foreman of Works, B.K.R., Mr. J. A. Ley-Groves, 2nd Class Resident, Mr. Andrew Brown, Foreman of Works, B.K.R., Sgt. A. Davidson, R.A.M.C., Medical, Lieut. C. H. Fowle, N.N.R., Mr. F. Weston, Platelayer, B.K.R., Mr. T. Tweedie, Foreman of Works, B.K.R.

12th April:—Mr. P. L. Collison, Asst. Auditor, Mr. E. Lloyd Williams, Mr. E. H. Biffen Traffic Superintendent, Mr. A. R. Seymour, Asst. Engineer, Mr. E. C. Watson, Attorney General, Dr. E. J. Porteous, Medical Officer, Major W. S. Sharpe, 2nd Class Resident, Mr. B. D. Byfield, 3rd Class Resident, Lieut. H. H. Hebden, Sgt. A. Cole, Sgt. M. Beirne, N.N.R., Mr. R. Brown, Foreman of Works, B.K.R., Sgt. F. D. O'Leary, Qmtr. Sgt. T. G. Beeton, N.N.R., Miss M. A. Ward, Nursing Sister.

3. Arrivals; Burutu:—25th March, Mr. F. Le C. Belmar, Junior Asst. Treasurer, Lieuts. T. S. Wickham and J. V. Macartney, N.N.R., Mr. A. H. D. Paul, Asst. Resident, Mr. F. Pike, Asst. Engineer, Dr. K. McGahey, Medical Officer, Mr. G. F. Price, Asst. Treasurer, Mr. G. W. Gibbs, Statistician and Accountant, Mr. F. F. Hopkins, Chief Asst. Secretary, Dr. W. A. Trumper, Medical Officer, Major E. C. Hides, N.N.R., Mr. A. Hanson, General Foreman, Misses. E. M. Deering and E. Moorehead.

3rd April:—Capt. T. W. P. Dyer, Asst. Resident, Capt. F. S. Merrick, Deputy Inspector General of Police, Capt. A. E. Hammond, Superintendent of Workshops Marine, Col. Sgt. T. H. Robinson, N.N.R.

Postings:—Major H. D. Larymore, Nassarawa, Mr. H. W. Langworthy, Niger.
Mr. H. S. Goldsmith, proceeding on leave, Mr. G. R. Matthews, will act as Chief Secretary.

News Circular No. 8. of 1911.

OFFICIAL ZUNGERU 29TH APRIL, 1911.

1. Sailings; Liverpool:—12th instant Mr. Adamson, Platelayer B.K.R., Mr. Pearce, Marine Officer, Mr. S. J. Milton, Marine Storekeeper, Sgt. H. Mapp, N.N.R., Lieut. C. Elliott, Marine Superintendent, Capt. J. C. Parker, N.N.R., Mr. H. C. Hall, Assistant Resident.

19th instant Mr. C. E. J. Bell, Assistant Engineer B.K.R., Colour Sergt. J. Garratt, N.N.R., Lieut. H. C. Bridges, N.N.R., Captain F. H. Ruxton, 1st Class Resident, G. F. A. Gabbett, Accountant Marine.

2. Sailings; Burutu:—26th instant, Mr. A. H. Groom, Assistant Resident, Mr. R. K. Johnson, Chief Storekeeper, B.K.R., Capt. E. E. D. Henderson, N.N.R., Lieut. A. F. P. Knapp, N.N.R., Lieut. J. M. Woolcombe, Lieutenant A. W. Knox, N.N.R., Mr. C. Townsend, Telegraph Inspector B.K.R., Sergeant E. M. Watts, Colour Sergeant E. M. Bailey, N.N.R., Mr. H. S. Goldsmith, 1st Class Resident, Mr. J. H. Boyd, Assistant Engineer B.K.R., Mr. A. G. Graham, Assistant Engineer B.K.R., Capt. F. D. Hammond, R.E., B.K.R., Mr. G. F. Mason, Asst. Postmaster General, Mr. H. M. Frewen, Assistant Engineer, Capt. H. G. Ion-White, Assistant Resident, Lieutenant Colonel E. E. Williams, N.N.R., Captain A. E. Johnson, Inspector General of Police, Mr. A. W. Maxwell, Mechanician Postal and Telegraph Department, Mr. J. Bishop, Platelayer B.K.R.

3. Arrivals, Burutu:—8th instant Captain A. E. Churcher, Assistant Resident, Captain J. M. Simpson, N.N.R., Mr. J. Stewart, Storekeeper P.W.D., Dr. H. A. Foy, Medical Officer, Mr. J. P. Will, Accountant, A. Foy, Medical Officer, Mr. J. P. Will, Accountant, Mr. B.K.R., Mr. J. Powter, Traffic Assistant, B.K.R., Mr. R. G. Williams, Assistant Resident, Mr. J. Pearson, Foreman of Works B.K.R., Colour Sergt. C. H. Gosling, N.N.R., Mr. A. Haxton, Engine Driver, B.K.R.

Postings:—Captain F. H. Ruxton, Muri.

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IMPERIAL INSTITUTE.
(South Kensington, London, S.W.)

Regd. No. 38279.

The samples which are the subject of this report were forwarded to the Imperial Institute by the Acting Chief Secretary at Zungeru with letter No. 374/1911 dated 13th February, 1911. They were stated to represent fibre plants grown in the Zungeru prison garden, and it was desired to ascertain whether their extended cultivation would be advisable.

Description of Samples.

- (1) "Sisal Hemp." An *Agave* leaf 2 feet long, bearing very small rudimentary spines or thorns on the margins, and apparently containing a large proportion of fibre.
- (2) "Mauritius Hemp." A thin leaf, 1 foot 9 inches long, thickening towards the base, free from spines and fairly fibrous.
- (3) "Locally grown plant, name unknown." A thin dry leaf about 2 feet long, probably derived from a species of *Sansevieria*, possibly *S. guineensis*.
- (4) "Common Aloe." A thick, fleshy leaf, 2 feet long, probably derived from a species of *Agave*. The leaf bore sharp curved spines on the margins, and contained a large proportion of fibre.
- (5) "Sisal Hemp." A thick, fleshy leaf of *Agave* sp 1 foot 9 inches long, bearing rather small thorns on the margins and containing a considerable quantity of fibre.
- (6) "Ramie Hemp." This specimen, incorrectly described as "ramie," was the stem of a species of *Hibiscus*, probably *H. lunariifolius*. It was 8 feet long and had apparently been much branched. The bark of the stem contained a large proportion of bast fibre.

Remarks.

Samples 1-5. These leaves were derived from very young plants, and would be too short for utilisation as sources of fibre for export. In order to obtain the best prices, Sisal, Mauritius and *Sansevieria* hems should be not less than 3 feet long, and if possible 4 feet or more; if only 2 feet or less in length the fibre realises a very low price. The leaves should therefore not be cut for the extraction of the fibre until they are about 4 years old.

The current value on the London market of these fibres, when of good strength and quality, is in the neighbourhood of £20 per ton (March 1911). It is not possible, from the examination of the present samples, to report definitely as to the value of the fibres which would be obtainable from the mature leaves of the plants grown at Zungeru. Specimens of the various fibres should be carefully prepared from mature leaves and forwarded to the Imperial Institute, with information as to the percentage of dry fibre yielded by the fresh leaves. It would then be possible to ascertain the commercial value of the fibres and the advisability of cultivating the plants on an extensive scale.

Information regarding Sisal and Mauritius hems and their preparation is given in the "Bulletin of the Imperial Institute," Vol. I. (1903), p. 201; Vol. II. (1904), p. 260; Vol. V. (1907), p. 422; Vol. VI. (1908), p. 212, and Vol. VIII. (1910), p. 265.

Sample 6. This specimen was described as "Ramie hemp," but it was probably derived from *Hibiscus lunariifolius*, the plant yielding "Ramma" fibre. This fibre should not be confused with "ramie," which is derived from an entirely different plant viz. *Boehmeria nivea*, a member of the nettle family.

A specimen of "Ramma" fibre from Northern Nigeria examined at the Imperial Institute in 1908 was regarded by commercial experts as worth £12 per ton, with "common" jute at £11 to £12 per ton (see Imperial Institute Report dated 13th May 1909). A subsequent sample, which had been more carefully prepared, was reported to be readily saleable in the United Kingdom at £16 to £17 per ton, with "First Native Marks" Calcutta jute at £14-7-6 per ton (see Imperial Institute Report dated 2nd February, 1910). The current market price of jute (March 1911) is unusually high, "First Native Marks" being quoted at £22 per ton in London, and at the present time well-prepared "Ramma" fibre would therefore realise higher prices than those quoted above.

It is reported that an increasing quantity of "Ramma" fibre is now being shipped to the United Kingdom from Northern Nigeria, and it would therefore seem advisable to extend its cultivation in the Protectorate.

The amount of branching shown by the present specimen of *Hibiscus* fibre from Zungeru would render the stem unsuitable for the preparation of fibre. This defect can be obviated to a large extent by sowing the seed fairly thickly, so that the plants grow up close together and the tendency to branching is reduced.

The method of preparing "Ramma" fibre is similar to that employed in the extraction of jute, an account of which was published in the "Bulletin of the Imperial Institute," Vol. III. (1905), pp. 251-55.

Sgd. WYNDHAM R. DUNSTAN.

11th April, 1911.

201

IMPERIAL INSTITUTE.

Report on Beeswax from Northern Nigeria, by Professor Wyndham R. Dunstan, M.A., L.L.D., F.R.S., Director, is published for general information.

Regd. No. 35744.

The seven samples of beeswax which are the subject of this report were forwarded to the Imperial Institute by the Secretary to the Administration at Zungeru with letter No. 1371/1910 dated 1st September, 1910. They were stated to have been obtained from the Lapai and Zungeru districts of the Niger Province.

Description of Samples.

- (1) "A." Weight, 1½ oz. Small pieces of pale, partially bleached wax, free from obvious impurities.
- (2) "B." Weight, 8 oz. A thin circular cake of pale yellowish-brown wax, showing a few specks of dirt on the under surface.
- (3) "Lapai, July 1910. W. Hamilton Browne." Weight, 10 oz. A thin circular cake of very pale yellow wax, which had apparently been partially bleached.
- (4) Not labelled. Weight, 1 lb. This sample consisted of two thin rectangular cakes of pale yellowish-brown wax, clean on one surface but somewhat dirty on the other.
- (5) Not labelled. Weight, 3½ lb. This sample comprised six circular cakes of dark brown wax, somewhat dirty externally but clean within. The material had a "burnt" odour, probably due to overheating during preparation.

(6) "Zungeru prison farm, A. E. J. 28/8/10, No. 1." Weight, 4½ oz. This was a circular cake of clean, brownish yellow wax, flat on one side and convex on the other, which had apparently been scraped to remove dirt.

(7) "Zungeru prison farm, A. E. J. 26/8/10, No. 2." Weight, 4 oz. A flat rectangular cake of brownish yellow wax, showing some dark brown spots. The centre of the mass was soft and granular.

Results of Examination.

The following tables show (1) the amount of impurities in the samples of wax as received, and (2) the results of the detailed examination of refined wax prepared from the samples at the Imperial Institute, to which the corresponding figures recorded for other samples of African beeswax are added for comparison:

Samples of wax as received.

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
	Per cent.	Per cent.	Per cent.	Per cent.	Per cent.	Per cent.	Per cent.
Moisture	0.20	0.09	0.05	0.09	0.64	0.82	1.05
Dirt	0.11	0.18	0.05	0.18	0.20	0.33	0.21
Matter soluble in hot water	0.15	0.13	0.05	0.20	0.20	0.10	0.15
Ash	0.03	Nil	0.02	0.12	0.02	0.01	—

* This sample was too small for this determination.

	Samples examined by—						
	Diers, Angeln.	Bergs. from Gorman, Africa.	Bergs. from Sierra Leone.	Uganda Coast.	Gold Coast.	(7)	(6)
Melting point	63.5°C	63.0°C to 64.5°C	64°C	63.2°C	64.5°C	64°C	63.5°C
Acid value	196	194 to 215	103	186	205	103	156
Ester value †	730	807 to 809	772	738	703	772	784
Ratio of Ester value to acid value	37	37.5 to 4.16	47	396	343	47	50
Iodine value, per cent.	—	—	81	—	—	81	95
Weinurm's test	—	—	cloudy	—	—	cloudy	cloudy

It will be seen from table I. that the samples contained only traces of moisture, ash, dirt, and matter soluble in water (probably a little honey), and they may therefore be regarded as carefully prepared.

The results of the chemical examination, as given in table II, show that some of these samples of beeswax are slightly abnormal. Nos. 2, 6, and 7 have rather high ester values and somewhat low acid values, and consequently the "ratio" values are higher than the average recorded for pure beeswax, viz: about 3.7 to 4.2. Analyses of genuine beeswax have however been published giving figures widely divergent from those which may be taken as the average, and it is therefore possible that these samples are uncontaminated wax of somewhat different character from the African waxes previously examined.

The analytical figures obtained for samples 3, 4 and 5 agree with those recorded for genuine beeswax. Samples 2, 3, 6 and 7 yield a cloudy solution with Weinurm's test. This test was originally designed to detect the presence of paraffin wax or other adulterants in beeswax, but it is well known that certain pure beeswaxes respond to the test owing to some slight abnormality in their composition. It is quite possible that the production of a cloudy solution in the present case may be due to a similar abnormality, but probably this would not interfere in any way with the technical application of the material.

Commercial Valuation.

The samples, with the exception of No. 1, were submitted to brokers, who described and valued them as follows:—

Sample	Description	Value, per cwt.
2.	Clean, palish, remelted.	£6 17 6.
3.	Clean, bleached, pale yellow.	£7 5 to £7 10.
4.	Clean, fair colour, remelted.	£6 17 6.
5.	Crude, darkish to fair colour, clean.	£6 15
6.	Clean, palish, remelted.	£6 17 6.
7.	Clean, pale, remelted.	£7

On the date of valuation, Jamaica beeswax was quoted in London at £7 5s. to £8 2s. 6d. per cwt., and East African at £6 5s. to £6 10s. per cwt.

The brokers stated that the present demand for beeswax in London is good, and they anticipate that the prices will be maintained.

It is understood that large quantities of beeswax are available in Northern Nigeria, and in some cases, e.g. in the Zungeru and Lapai districts, rail transport is already available. In view therefore of the good prices which the material would realise in London, and the large demand which exists for beeswax in the United Kingdom, efforts should be made to establish an export trade in the product from the Protectorate. In this connection reference should be made to the article on the "Preparation of Beeswax" in the "Bulletin of the Imperial Institute," Vol. VIII. (1910), No. 1, pp. 23-31.

WYNDHAM R. DUNSTAN.

30th March, 1911.

202

THE following letter to the Resident Muri Province, (Capt. F. H. Ruxton) from Professor WYNDHAM R. DUNSTAN, Director of the Imperial Institute dated 15th February 1911 is published for general information.

No. 719/1911.

IMPERIAL INSTITUTE OF THE UNITED KINGDOM, THE COLONIES & INDIA.
South Kensington, London, S. W.
15th February, 1911.

Dear Sir,

I now send you the following information relating to (1) the larvae, pupae and moths from the Experimental Cotton Farm at Ibi, Muri Province, Northern Nigeria, which you forwarded with your letter dated the 23rd December 1910, and (2) the fly hatched out from the pupa of one of the same moths, received with your letter of the 7th January 1911.

The moths have been identified at the Natural History Museum as *Sylepta derogata* Fabr. belonging to the family *Pyralidae* and sub-family *Pyraustinae*. They have a very wide habitat extending from West Africa throughout Asia to Australia. The pest is well known in India, where it is termed the "cotton leaf roller," and some times does considerable damage, especially to young plants. The insect feeds on various plants chiefly of the order Malvaceae, such as cotton, *Hibiscus* sp. *Urena lobata*, and the hollyhock (*Althaea rosea*).

In India, the period of hibernation is commonly passed by insect as a resting larva rather than as a pupa. The pest can be checked by destroying the resting larvae between the end of one season and the beginning of the next by ploughing the land after the crop has been collected and before the moths emerge. Comparatively few individuals survive the period of rest and waiting, and hence the number of moths at first is very small.

The most effective method of treating the pest therefore, is to collect and destroy every rolled leaf with its caterpillar as soon as it is seen, from the beginning of the season. When a crop becomes badly attacked, the best mode of treatment is to apply Paris green or lead arsenate which may either be sprayed on to the plants or dusted on dry.

A full account of the habits and life-history of the pest is given by Maxwell-Lefroy in "Memoirs of the Department of Agriculture in India, Entomological Series, Vol. 11, No. 6."

The second specimen, the fly, has been identified as one of the parasitic Hymenoptera of the family Ichneumonidae, genus *Xanthopimpla*. It is at present impossible to determine the species.

Very little is known as to the particular insects attacked by the numerous species of the parasitic Hymenoptera in the tropics, but it is quite likely that *Sylepta derogata* is among the normal hosts of this species of *Xanthopimpla*.

I am,
Yours faithfully,
(Sgd.) WYNDHAM R. DUNSTAN.

203
EXTRACT FROM ANNUAL REPORT AGRICULTURAL DEPARTMENT BRITISH EAST AFRICA FOR 1909-1910.

THE method of tapping Ceara trees in British East Africa is briefly, as follows:—The loose bits of bark or other material on the trunks of the young trees are picked or brushed off, and in the case of older trees that have been previously tapped the whole of the loose bark is removed in sections or unwound after the manner of a bandage. Various solutions can be used to coagulate the latex such as the juice of sour orange, lemon or lime, also vinegar and the acid obtained from the gourd-like fruits of the Baobab. The most effective solution, however,

is found to be crude carbolic acid diluted to about 3% its bulk with water. The solution is rubbed on to a section of the trunk of the tree, as high up as the operator can reach, and immediately incisions are made in the bark at distances of from four to six inches apart. The implement most frequently used is an ordinary table knife having a sharp thin end. The latex quickly coagulates and is then either collected in balls, or wound round a stick like a rolling pin from which it is removed with a knife and has then the form of a fairly thin sheet. The rubber is washed in water to remove impurities and then placed in a cool airy place away from the sun to dry. It is much improved by being passed through a washing or "creping" machine and rubber growers in the Protectorate are now considering the importation of such machines.

204
RISE AND FALL OF THE RIVER BENUE FOR THE MONTH OF MARCH 1911.

Date.	RIVER BENUE.			
	Inr.		Anvnt.	
	Rise Fall.	Rise Fall.	Rise Fall.	Rise Fall.
Week ending 7th	—	5	—	16
" " 14th	—	4	—	15
" " 21st	—	5	—	11
" " 28th	—	3½	2	7
" " 31st	—	2	5	—
Total Fall	1 ft. 7½ ins.		3 ft. 6 ins.	

205
DAILY RISE AND FALL OF THE RIVER NIGER, TAKEN AT LOKOJA, FOR MONTH OF APRIL, 1911.

DATE.	RISE.		FALL.		TOTAL.		REMARKS.
	ins.	ft.	ins.	ft.	ins.	ft.	
1	—	—	1	0	1	0	
2	—	—	1	9	1	11	
3	—	—	1	9	1	10½	
4	—	—	1	9	1	9½	
5	—	—	1	9	1	8½	
6	—	—	1	9	1	7	
7	—	—	1	9	1	6	
8	—	—	1	9	1	4½	
9	—	—	1	9	1	3½	
10	—	—	1	9	1	2½	
11	—	—	1	9	1	2	
12	—	—	1	9	1	1	
13	—	—	1	9	1	—	
14	1	—	—	9	1	—	
15	1	—	—	9	2	—	
16	—	—	1	9	1	—	
17	—	—	1	9	1	0	
18	—	—	1	8	1	11½	
19	—	—	1	8	1	11	
20	—	—	1	8	1	10	
21	—	—	1	8	1	9½	
22	—	—	1	8	1	9	
23	—	—	1	8	1	8½	
24	—	—	1	8	1	8	
25	—	—	1	8	1	7½	
26	—	—	1	8	1	7	
27	—	—	1	8	1	6½	
28	—	—	1	8	1	6	
29	—	—	1	8	1	5½	
30	—	—	1	8	1	4½	
2	22				Total Fall	1 ft. 8 ins.	

206
Errata.

The date of appointment of Mr. T. Stone, District Superintendent of Police, should be 1st October, 1908, and not as stated in Gazette No. 1 of 1909.

208
Post Office Notice.
ON and from July 1st, British Postal orders will be paid and issued at Naraguta.

H. M. WOOLLEY,
Postmaster General

209
THE PATENTS PROCLAMATION.
(No. 9 of 1910, Schedule, Chapter 26.)

NOTICE is hereby given pursuant to sections 10 and 11 of the above Proclamation that the Registrar of Patents has received from Robert Derry, Curator of Botanic Gardens, Singapore, an application for the grant of a Patent for an invention entitled "Improvements in or relating to the curing of India Rubber."

The complete specification of the invention has been accepted.

The application and complete specification are open for public inspection at the Patents Office during office hours.

Any person desiring to oppose this application must send to the Registrar of Patents notice of such opposition within two months from the date hereof.

Dated this 5th day of May, 1911.

E. J. CAMPBELL,
Acting Registrar of Patents.

Patents Office,
Zungeru, Northern Nigeria.

210
In the matter of the Estate of the late Mr. W. Cook, (Deceased)

NOTICE is hereby given that all creditors and other persons having any claims or demands upon or against the Estate of the late Mr. W. Cook, deceased who died at Baro on the 11th day of February, 1911, intestate are hereby required to send in particulars of their claims or demands to me the undersigned or to the Provincial Administrator at Baro on or before the 31st day of July, 1911 after which date I shall proceed to pay and distribute the assets of the said deceased among parties entitled thereto having regard only to claims of which notice shall have been received.

And all persons indebted to the said estate are hereby requested to make immediate payment forthwith.

Dated at Zungeru this 17th day of March, 1911.

ION H. G. WHITE,
Official Administrator.
(Cantonment Magistrate.)

Notification of the re-absorption of Lieut. N. C. Orr, which appeared on page 85 of Gazette No. 4 of 1911, is hereby cancelled.

The date of the re-absorption of Lieut. D. Campbell 1st N. N. Regt. is 2nd December 1910, and not as stated on page 283 of Gazette No. 12 of 1910.

Gazette No. 4 of 1911 page 65 Notice under G.S.O. No. 48, in line 1 please delete the words "of the" between the words "para and is."

Gazette No. 4 of 1911 page 65 Circular No. 2 of 1911 para 6 line 12 read "should be found to be using it for other purposes than of mining," instead of as previously published

Gazette No. 4 of 1911 page 77 "Native Staff" Mr. R. B. C. Coleman should be described as 4th Grade Clerk and not as "Warder."

Gazette No. 4 of 1911 page 80, Resumption of duty. The appointment of Mr. J. C. P. Sciortino is 2nd class Resident and not as stated therein.

Gazette No. 4 of 1911. Page 81 "Promotions" the department to which Mr. H. C. Addy belongs is "Provincial Administration" and not as stated therein.

Gazette No. 12 of 1910 page 277 "Appointments and Assumption of duty Native Staff" the date of appointment of Mr. S. C. Tuke is 1st November 1910 and not as stated therein.

The date of re-absorption of Major Lord J. S. Cavendish, D.S.O., Mounted Infantry, N. N. Regt., is 7th March, 1911 instead of as stated in page 215 of Gazette No. 9 of 30th September, 1910.

207
Allowance of Proclamation.

The Right Honourable the Secretary of State for the Colonies has notified the Governor that His Majesty will not be advised to exercise his power of disallowance with respect to the undermentioned Proclamation of Northern Nigeria:—

No. 2 of 1911, entitled "The Collective Punishment Proclamation 1911"

By His Excellency's Command,
G. R. MATTHEWS,
Acting Chief Secretary.

The Chief Secretary's Office,
Zungeru, Northern Nigeria,
31st May, 1911.

The following is a list of Officers of this Government who have attended the recent Sessions of Tropical African Courses, in the subjects indicated, during their leave of absence and have obtained satisfactory reports.

Name.	SUBJECTS.							Remarks.
	Tropical Hygiene.	Law.	Tropical Products.	Accounting (Colonial System.)	Muslim Law.	International Law.	Surveying.	
Mr. E. J. Arnett ...	—	—	—	—	X	X	—	Did not attend <i>Tropical Products</i> examination, but attended all lectures (15) from 7th Feb.
Capt. A. E. Churcher ...	—	X	—	—	X	—	X	
Capt. T. W. P. Dyer ...	X	X	X	—	X	X	—	
Major H. D. Larymore C.M.G. ...	X	—	X	—	X	X	—	
Capt. J. F. N. Price ...	—	—	—	—	X	X	—	
Capt. F. H. Ruxton ...	—	—	X	—	X	X	X	
Mr. J. C. C. P. Sciortino ...	—	X	X	—	X	X	—	
Mr. C. A. Woodhouse ...	X	X	X	X	X	X	—	

NOTE.—X = Attended lectures — = Did not attend lectures.

Commissions.

The following Commissions have been issued:—

Name.	Appointment.	Nature of Commission.	Province.	Period.	Date of Commission.
Capt. J. F. Fitzpatrick ...	Assistant Resident ...	To exercise full Judicial powers of a Resident ...	Niger ...	While in charge of Kwongoma Division, Niger Province	8th April 1911.
Mr. K. V. Elphinstone ...	3rd Class Resident ...	do. ...	Bornu ...	While in charge of Geidam Division, Bornu Province	26th April 1911.
Captain G. Seccombe ...	Assistant Resident ...	To exercise Judicial powers up to six months imprisonment, £50 fine and 24 lashes	do. ...	—	do.
Mr. C. M. Dunn ...	do. ...	To exercise full Judicial powers of a Resident to try the case only of Rex <i>tyrini</i> Bawaki charged with murder	Nassarawa ...	—	15th May 1911.
Mr. H. F. Backwell ...	do. ...	To exercise Judicial powers up to six months imprisonment, £10 fine and 12 lashes.	Kano ...	—	22nd May 1911.
Mr. H. A. Prankerd ...	do. ...	To exercise Judicial powers up to six months imprisonment, £25 fine and 12 lashes.	Niger ...	While in charge of Kwongoma Division	do.

Powers of Commanding Officer.

Under the provisions of Proclamation No. 9 of 1910 Schedule, Chapter XVIII, section 40, the Commandant, Northern Nigeria Regiment, West African Frontier Force, has, with the concurrence of the Governor, conferred the Powers of Commanding Officer on the following officers:—

Rank and Name.	Unit.	Whilst commanding Detachment at	Date of Warrant.	Remarks.
Lieut. J. W. E. Boulderson ...	1st Bn., N. N. Regt ...	Zuru ...	6th May 1911.	
Captain J. C. Parker ...	2nd Bn., N. N. Regt. ...	Bauchi ...	26th May 1911.	
Captain R. W. Fox ...	do. ...	Abinsi ...	do.	
Lieut. H. C. Bridges ...	1st Bn., N. N. Regt. ...	Katsena ...	23rd May 1911.	

Appointments and Assumption of Duty.

Name.	Appointment.	Department.	Date of Appointment.	Date of Assumption of Duty.
Mr. Alex Farquhar ...	Engineer, Dredger "Quorra" ...	Marine ...	11th May 1909 ...	9th June 1909.
Miss Frances Jaques ...	Nursing Sister ...	Medical ...	26th April 1911 ...	13th May 1911.
Mr. George Irving Stodart ...	Platelaye ...	Baro-Kano Railway ...	do. ...	do.
Mr. William Sheen ...	do. ...	do. ...	do. ...	do.
Mr. Joseph Gordon Ruscoe ...	Assistant Accountant ...	do. ...	3rd May 1911 ...	20th May 1911.
Mr. William Rodgers ...	Platelaye ...	do. ...	10th May 1911 ...	27th May 1911.
Mr. John Willie Thorpe ...	do. ...	do. ...	do. ...	do.
NATIVE STAFF.				
Mr. Hayes ...	4th Grade Clerk (Temporary) ...	Marine ...	1st May 1910 ...	Engaged locally.
Mr. T. J. Lewis ...	do. ...	Baro-Kano Railway ...	30th Oct. 1910 ...	6th Nov. 1910.
Mr. G. L. B. Owolabi ...	Telegraph Learner ...	Postal and Telegraphs ...	1st Jan. 1911 ...	Engaged locally.
Mr. J. D. Johnson ...	do. ...	do. ...	do. ...	do.
Mohamma ...	Interpreter ...	Provincial Administration ...	do. ...	do.
Suley ...	Political Agent ...	do. ...	16th Jan. 1911 ...	do.
Kolo ...	Interpreter ...	do. ...	1st Feb. 1911 ...	do.
Mr. C. C. Holm ...	Typist ...	Baro-Kano Railway ...	21st Mar. 1911 ...	Engaged locally.
Mr. A. H. E. Abuah ...	Telegraph Learner ...	Postal and Telegraphs ...	1st April 1911 ...	do.
Mr. Jacintho A. Gomez ...	4th Grade Clerk ...	Provincial Administration ...	1st April 1911 ...	do.
Mr. John Koffi ...	Cook ...	Medical ...	do. ...	do.
Mr. Henry Islington Britton ...	4th Grade Clerk ...	Marine ...	22nd April 1911 ...	do.

Transfer.

Name.	Appointment.	Transfer to.	New Appointment.	With effect from.
NATIVE STAFF.				
Mr. J. N. Daniels ...	4th Grade Clerk, Prisons ...	Provincial Administration ...	4th Grade Clerk ...	1st April 1911.
Mr. H. G. Solomon ...	4th Grade Clerk, Transport ...	Baro-Kano Railway ...	do. ...	do.
Mr. E. J. Duker ...	1st Grade Clerk, Chief Secretary's ...	Prisons Department ...	1st Grade Clerk ...	1st May 1911.

Leave of Absence.

LEAVE has been granted to the undermentioned Officers from the date of the arrival at its first port of call in the United Kingdom, as regards Officers proceeding to England, of the steamer which left Burutu on the date mentioned, and for the period specified in the schedule below. As regards the Native Staff, from the date of the arrival of the steamer at the port mentioned in the "Remarks" column.

Name.	Office.	Description of Leave.				Date on which steamer left Burutu.	Remarks.
		Vacation.		Return.			
		Months.	Days.	Months.	Days.		
Mr. Alex. Farquhar ...	Engineer, Dredger "Quorra" ...	4	17	—	—	8th August 1910 ...	Half salary.
Mr. St. C. E. Stobart ...	Assistant Resident ...	2	10	2	—	3rd May 1911 ...	Full Salary.
Mr. J. Glentworth ...	Foreman Fitter, P.W. D. ...	2	50	2	—	do. ...	do.
Mr. M. Champion ...	Platelaye, B. K. R. ...	2	10	2	—	do. ...	do.
Mr. W. Burns ...	Foreman Fitter, P.W. D. ...	2	—	2	—	do. ...	do.
Mr. H. Gould ...	Engineer, Marine ...	2	20	2	—	do. ...	do.
Mr. T. H. Haughton ...	Assistant Resident ...	2	20	2	—	do. ...	do.
Mr. H. E. Wright ...	Foreman of Works, B. K. R. ...	—	50	—	50	do. ...	do.
Miss M. G. Denton ...	Nursing Sister, Medical ...	—	55	—	55	do. ...	do.
Mr. J. E. Lynch ...	Foreman of Works, B. K. R. ...	2	—	2	—	do. ...	do.
Mr. H. C. Maynard ...	Assistant Resident ...	2	10	2	—	do. ...	do.
Mr. F. W. P. Soper ...	District Superintendent of Police ...	2	40	2	—	10th May 1911 ...	do.
Mr. L. W. La Chard ...	do. ...	2	—	2	—	do. ...	do.
Mr. G. Mackay ...	Foreman of Works, B. K. R. ...	2	—	2	—	do. ...	do.
Sergt. F. S. Flint, R.A.M.C. ...	Medical ...	2	—	2	—	do. ...	do.
Mr. S. Lewin ...	Assistant Treasurer ...	2	10	2	—	do. ...	do.
Mr. H. Bovill ...	Assistant Resident ...	2	20	2	—	do. ...	do.
Mr. G. I. Girardin ...	Assistant Engineer, B. K. R. ...	2	10	2	—	do. ...	do.
Mr. W. Butler ...	Foreman of Works, B. K. R. ...	2	—	2	—	do. ...	do.
Mr. B. Littledale ...	do. ...	2	30	2	—	do. ...	do.
Mr. W. K. Fraser ...	3rd Class Resident ...	2	50	2	—	do. ...	do.
Mr. E. C. Duff ...	2nd Class Resident ...	2	40	2	—	do. ...	do.
Capt. F. E. Bissell ...	Medical Officer ...	2	30	2	—	do. ...	do.
Capt. G. Anderson ...	2nd Class Resident ...	2	40	2	—	11th May 1911 (Lagos) ...	do.
Mr. J. Withers Gill ...	3rd Class Resident ...	2	10	2	—	do. ...	do.
Mr. S. Ray ...	Accountant, Marine ...	2	—	2	—	17th May 1911 ...	do.
Mr. L. L. Woodell ...	Transport Officer ...	2	30	2	—	do. ...	do.
Mr. F. E. Maltby ...	Assistant Resident ...	2	10	2	—	do. ...	do.
Mr. H. M. Stirling ...	do. ...	2	10	2	—	do. ...	do.
Corpl. F. Green, R.E. ...	Surveyor, (Bauchi Tin-fields) ...	—	25	—	—	24th May 1911 ...	do.
Corpl. A. G. Powell, R.E. ...	do. ...	—	25	—	—	do. ...	do.
Mr. J. Finch ...	Assistant Resident ...	2	10	2	—	do. ...	do.
Capt. F. A. E. Godwin ...	District Superintendent of Police ...	2	10	2	—	do. ...	do.

Leave of Absence - Continued.

Name.	Office.	Description of Leave.				Date on which steamer left Burutu.	Remarks.
		Vacation.		Return.			
		Months.	Days.	Months.	Days.		
Mr. W. Morgan ...	Assistant Resident ...	2	10	2	—	24th May 1911	Full salary.
Mr. H. H. L. Hamilton ...	Locomotive Driver ...	—	40	—	40	do.	do.
Mr. H. F. C. Holme ...	Assistant Resident ...	2	20	2	—	do.	do.
Mr. J. Gibb ...	Foreman of Works, B. K. R. ...	2	—	2	—	25th May 1911 (Lagos)	do.
Mr. W. M. Fowler ...	District Superintendent of Police ...	2	20	2	—	31st May 1911	do.
Mr. J. W. Pratt ...	Engine Driver, B. K. R. ...	—	40	—	40	do.	do.
Mr. J. Swainson ...	do. ...	2	—	2	—	do.	do.
M. W. E. Daniel ...	do. ...	2	10	2	—	do.	do.
Mr. H. H. Middleton ...	Assistant Resident ...	2	—	2	—	do.	do.
Mr. R. C. Turner ...	Assistant Auditor ...	2	—	2	—	do.	do.
Invalided.							
Mr. A. McAllister ...	Master, Marine ...	—	20	—	—	24th May 1911	Full salary.
Miss E. A. Bott ...	Nursing Sister, Medical ...	—	10	—	—	do.	do.
Mr. R. Carey-Hale ...	Foreman of Works, B. K. R. ...	—	20	—	—	31st May 1911	do.
NATIVE STAFF							
Mr. J. R. Evans ...	4th Grade Sorting Clerk & Telegraphist, Post & Tels. ...	—	45	—	—	1st March 1911	Without salary. Accra.
Mr. C. D. Nelson ...	Registrar, Supreme Court ...	3	—	—	—	26th April 1911	Full salary. do.
Mr. I. S. Wray ...	2nd Class Compositor, B. K. R. ...	3	—	—	—	do.	Sierra Leone.
Mr. D. J. Edwin ...	1st Grade Clerk, P. W. D. ...	3	48	—	—	10th May 1911	do. (48 days half salary.)
Mr. L. S. Thomas ...	2nd Grade Clerk, Cantonment Office ...	3	—	—	—	do.	do.
Mr. J. N. Daniels ...	4th Grade Clerk, Prov. Administration ...	3	—	—	—	24th May 1911	do. Accra.
Mr. G. I. Musgrove ...	do. do. ...	2	—	—	—	1st May 1911	do.

Extension of Leave.

217						Remarks.
Name.	Office.	Period.	From.	To.		
Mr. G. Ormsby ...	2nd Class Resident ...	4 months	10th April 1911	9th Aug 1911		Ill-health. Half salary.
Capt. W. H. Browne, D.S.O. ...	do. ...	2 weeks	14th April 1911	2nd May 1911		do.
Lieut. H. de C. Matthews ...	3rd Class Resident ...	1 month	9th May 1911	8th June 1911		do.
NATIVE STAFF.						
Mr. J. E. Annan ...	3rd Grade Clerk ...	5 weeks	3rd Jan. 1911	6th Feb. 1911		Urgent private affairs - Without salary.

Resumption of Duty.

218						Remarks.
Name.	Appointment.	Department.	Date of arrival Burutu.			
Mr. Alex. Farquhar ...	Engineer, Dredger "Quorra" ...	Marine ...	25th December 1910.			
Capt. F. H. Ruxton ...	1st Class Resident ...	Provincial Administration ...	6th May 1911.			
Mr. G. F. A. Gabbett ...	Accountant ...	Marine ...	do.			
Mr. C. E. J. Bell ...	Assistant Engineer ...	Baro-Kano Railway ...	13th May 1911.			
Mr. F. B. Archer ...	Chief Assistant Treasurer ...	Treasury ...	do.			
Mr. P. O'Brien ...	Foreman of Works ...	Baro-Kano Railway ...	20th May 1911.			
Capt. W. H. Browne, D.S.O. ...	2nd Class Resident ...	Provincial Administration ...	do.			
Capt. C. F. Gordon ...	3rd Class Resident ...	do. ...	do.			
Mr. G. H. Spooner ...	Truck Fitter ...	Baro-Kano Railway ...	27th May 1911.			
Dr. H. G. McKinney ...	Medical Officer ...	Medical ...	do.			
Mr. P. A. Anderson ...	Assistant Engineer ...	Public Works ...	do.			
NATIVE STAFF.						
Mr. J. E. Annan ...	3rd Grade Clerk ...	Provincial Administration ...	7th February 1911.			
Kolo ...	Interpreter ...	do. ...	12th April 1911.			
Mr. F. W. M. Hutchison ...	2nd Grade Clerk ...	do. ...	6th May 1911.			
Mr. J. B. Nunoo ...	3rd Grade Clerk ...	Audit ...	do.			

Resignations.

219					Remarks.
Name.	Appointment.	Department.	With effect from.		
Mr. F. G. Smith ...	Foreman of Works ...	Baro-Kano Railway ...	30th November 1910.		
NATIVE STAFF.					
Mr. M. M. Labor ...	2nd Class Compositor ...	Baro-Kano Railway ...	27th March 1911.		
Mr. Walter H. Arcton ...	Unclassified Clerk ...	Marine ...	31st March 1911.		
Mr. Lalli Mooshi ...	Assistant Labour Master ...	Prisons ...	do.		

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MAY 31, 1911. THE NORTHERN NIGERIA GAZETTE.

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Promotions.

Name.	Appointment.	Promoted to.	Department.	With effect from.
Capt. F. A. E. Godwin ...	District Superintendent of Police	Dist. Supt. of Police (Senior Grade)	Police ...	21st December 1910.
Mr. H. H. L. Hamilton ...	Locomotive Driver ...	Locomotive Foreman ...	Baro-Kano Railway ...	1st April 1911.
Mr. H. W. Lawson ...	2nd Grade Assistant Engineer ...	1st Grade Assistant Engineer ...	do. ...	do.
Mr. G. H. Bishop ...	do. ...	do. ...	do. ...	do.
NATIVE STAFF.				
Mohamma ...	Courier ...	Interpreter ...	Prov. Administration ...	1st January 1911.
Mr. J. G. Morgan ...	Assistant Chief Clerk ...	Chief Clerk ...	Treasury ...	1st April 1911.
Mr. I. D. Loo ...	1st Grade Clerk ...	Assistant Chief Clerk ...	do. ...	do.
Mr. A. R. George ...	2nd Grade Clerk ...	1st Grade Clerk ...	do. ...	do.
Mr. T. J. Mills ...	3rd Grade Clerk ...	2nd Grade Clerk ...	do. ...	do.
Mr. Y. E. Aacht ...	4th Grade Clerk ...	3rd Grade Clerk ...	do. ...	do.
Mr. S. O. Macfoy ...	2nd Grade Clerk ...	1st Grade Clerk ...	Prov. Administration ...	do.
Mr. J. E. M. Carney ...	3rd Grade Clerk ...	2nd Grade Clerk ...	Transport ...	do.
Mr. J. L. Daniels ...	do. ...	do. ...	Customs ...	do.
Mr. H. P. Swaniker ...	2nd Grade Clerk ...	1st Grade Clerk ...	Chief Secretary's ...	1st May 1911.
Mr. J. Howe ...	3rd Grade Clerk, 1st N. N. R.	2nd Grade Clerk ...	do. ...	do.

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Retirement.

Name.	Appointment.	Department.	With effect from.	Remarks.
Mr. M. H. D. Beresford L.S.O. ...	Secretary to the Administration	Chief Secretary's ...	27th April 1911.	Retired on pension.

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Confirmation of Appointment.

Name.	Appointment.	Department.	With effect from	Remarks.
Mr. M. Neill ...	Senior Transport Officer ...	Transport ...	6th February 1901.	
Mr. H. de C. Matthews ...	3rd Class Resident ...	Provincial Administration ...	4th November 1905.	
Mr. D. Hollis ...	Assistant Resident ...	do. ...	23rd March 1907.	
Capt. A. E. Churcher ...	do. ...	do. ...	18th January 1908.	

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Termination of Appointments.

Name.	Appointment.	Department.	With effect from.	Remarks.
Miss E. J. Purdy ...	Nursing Sister ...	Medical ...	16th February 1911.	Agreement Expired.
Mr. Hayes ...	Temporary 4th Grade Clerk ...	Marine ...	30th June 1910.	
Mallam Musa ...	Interpreter ...	Governor's Office ...	31st January 1911.	
Mr. J. R. Evans ...	4th Grade Sorting Clerk & Telegraphist ...	Post & Telegraphs ...	14th April 1911.	

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Dismissal.

Name.	Appointment.	Department.	With effect from	Remarks.
Mr. A. B. Healey ...	Sawmill Foreman ...	Baro-Kano Railway ...	2nd March 1911.	
Musa ...	Interpreter ...	Provincial Administration ...	21st December 1910.	
Suman ...	do. ...	do. ...	11th February 1911.	

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The undermentioned Native Officials, having completed three years service are, with the approval of His Excellency the Acting Governor, placed on the Permanent Staff of the Protectorate from the date stated against their names:—

Name.	Appointment.	Department.	With effect from.	Remarks.
Mr. A. C. Amajie ...	3rd Grade Clerk ...	Provincial Administration ...	28th January 1903.	
Mr. P. A. Hammond ...	do. ...	Chief Secretary's ...	3rd January 1908.	
Mr. Alex. Cruickshank ...	do. ...	Marine ...	25th April 1908.	
Mr. E. Adams ...	4th Grade Clerk ...	do. ...	8th April 1908.	

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THE NORTHERN NIGERIA GAZETTE.

MAY 31, 1911.

MAY 31, 1911.

THE NORTHERN NIGERIA GAZETTE.

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WEST AFRICAN FRONTIER FORCE.
 Appointments and Assumption of Duty.

Rank and Name.	Appointment.	Unit.	Date of Appointment.	Date of Assumption of Duty.
Lieut. Rupert Ainslie Boyd, (17th Lancers) ...	Company Officer ...	1st Bn. N. N. Regt. ...	26th April 1911. ...	13th May 1911.
Lieut. Arthur Aylmer Cummins, (Royal Garrison Artillery) ...	do. ...	2nd Bn. N. N. Regt. ...	10th May 1911. ...	27th May 1911.
BRITISH N.C.O. Sergt. Joseph George Rowland, (Royal Field Artillery) °	2nd Rating Sergeant ...	Artillery, N. N. Regt. ...	3rd May 1911! ...	• Landed sick at Lagos on 19th May 1911, and admitted into Hospital.

Resumption of Duty.

Rank and Name.	Appointment.	Unit.	Date.
Lieutenant H. C. Bridges ...	Company Officer ...	1st Bn. N. N. Regt. ...	6th May 1911.
Lieutenant G. de Gray ...	do. ...	2nd Bn. N. N. Regt. ...	13th May 1911.
Captain W. J. Maule ...	Company Commander ...	1st Bn. N. N. Regt. ...	20th May 1911.
Lieutenant T. R. Bowlby ...	Company Officer ...	do. ...	27th May 1911.
BRITISH N.C.Os. Colour Sergeant J. C. Garratt ...	Colour Sergeant ...	1st Bn. N. N. Regt. ...	6th May 1911.
Do. J. Milligan ...	do. ...	2nd Bn. N. N. Regt. ...	20th May 1911.
Do. W. K. Kerrison ...	do. ...	do. ...	do.
Do. A. Warnock ...	1st Rating Sergeant ...	1st Bn. N. N. Regt. ...	27th May 1911.
Do. G. B. Putland ...	Colour Sergeant ...	2nd Bn. N. N. Regt. ...	do.
NATIVE STAFF. Mr. M. A. X. Thomas ...	Pay Clerk, 3rd Grade ...	2nd Bn. N. N. Regt. ...	6th May 1911.

WEST AFRICAN FRONTIER FORCE.
 Leave of Absence.

228 LEAVE has been granted to the undermentioned Officers, as regards those proceeding to England, from the date of the arrival at its first port of call in the United Kingdom of the steamer which left Burutu on the date mentioned and for the period specified in the schedule below. As regards the Native Staff, from the date of the arrival of the steamer at the port mentioned in the "Remarks" column.

Rank and Name.	Unit.	Description of Leave.				Date on which steamer left Burutu.	Remarks.
		Vacation.		Return.			
		Months	Days	Months	Days		
Capt. E. M. Baker ...	2nd Bn., N. N. Regt. ...	2	10	2	—	3rd May 1911	Full salary.
Capt E. J. Wolseley ...	1st Bn., N. N. Regt. ...	2	—	2	—	10th May 1911	do.
Major. T. A. Rose, D.S.O. ...	2nd Bn., N. N. Regt. ...	2	—	2	—	17th May 1911	do.
Lieut. J. M. Gillatt ...	do. ...	4	—	—	—	do.	Half salary. Urgent private affairs.
Major J. B. Orr, D.S.O. ...	Mounted Infantry N. N. Regt. ...	2	—	2	—	24th May 1911	Full salary.
Lieut. & Qr. Master J. Bremner	Headquarters N. N. Regt. ...	2	—	2	—	do.	do.
Lieut. G. Bonham Carter	Mounted Infantry N. N. Regt. ...	2	—	2	—	31st May 1911	do.
BRITISH N.C.Os. 2nd Rating Sergt. J. Hone	1st Bn., N. N. Regt. ...	2	—	2	—	17th May 1911	do.
<i>Invalided.</i> 1st Rating Sergt. A. E. Combes	do. ...	—	—	—	—	10th May 1911	do.

Extension of Leave.

Rank and Name.	Unit.	Period.	From.	To.	Remarks.
Major Lord J. S. Cavendish ...	Mounted Infantry, N. N. Regt. ...	6 months ...	7th Sept. 1910 ...	6th Mar. 1911 ...	Ill-health. Army rate.
Lieut. D. Campbell ...	1st Bn., N. N. Regt. ...	22 days ...	10th Nov. 1910 ...	1st Dec. 1910 ...	do.
Lieut. D. K. McK. Herapath ...	Mounted Infantry, N. N. Regt. ...	2 months ...	18th May 1911 ...	17th July 1911 ...	do. Half salary.
Lieut. J. M. B. Sanders ...	1st Bn., N. N. Regt. ...	— ...	19th Jan. 1911 ...	16th June 1911 ...	Ill-health. Army rate.
Lieut. N. C. Orr ...	do. ...	— ...	17th Feb. 1911 ...	19th June 1911 ...	do.
Lieut. B. C. Ash ...	2nd Bn., N. N. Regt. ...	— ...	18th March 1911 ...	13th June 1911 ...	do. Half salary.
Lieut. H. C. Bridges ...	1st Bn., N. N. Regt. ...	3 weeks ...	24th March 1911 ...	— ...	do.
Lieut. H. de Putron ...	2nd Bn., N. N. Regt. ...	— ...	19th May 1911 ...	13th June 1911 ...	do.
Lieut. C. N. Jervelund ...	Mounted Infantry, N. N. Regt. ...	2 months ...	27th April 1911 ...	— ...	do.

WEST AFRICAN FRONTIER FORCE.

Promotion.

Rank and Name.	Appointment.	Promoted to.	With effect from.
Captain R. W. Fox	Company Officer 2nd Bn., N. N. R. ...	Company Commander	27th January 1911.

Re-absorptions.

Rank and Name.	Appointment.	Unit.	Date of re-absorption into British Regiment.
Lieut. J. L. Forbes	Subaltern	Artillery, N. N. Regt.	17th March 1911.
Lieut. H. de Putron	Company Officer	2nd Bn., N. N. Regt.	24th March 1911.

Transfer.

Rank and Name.	Appointment.	Transfer to.	New Appointment.	With effect from.
BRITISH N.C.O. Sergeant E. M. Watts ...	2nd Rating Sergeant 1st Bn., N. N. Regt. ...	1st Bn., N. N. Regt.	2nd Rating Sergeant ...	11th May 1911.

Comparative Statement of Revenue for the period ended 31st December, 1910.

HEADS OF REVENUE.	Estimates 1910-11.		Actual Revenue to 31st Dec., 1910.		Revenue for same period of preceding year.		Increase.		Decrease.		REMARKS.
	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	
1. Land and Internal Revenue	171,760	0 0	99,371	7 0	92,779	19 10	6,591	7 2	...	...
2. Fees, Payments for Specific Services, etc.	2,410	0 0	2,821	3 10	3,250	9 0	...	...	429	5 2	
3. Marine Earnings	18,000	0 0	14,979	16 7	11,513	15 1	3,466	1 6	...	...
4. Post Office and Telegrams	7,300	0 0	8,956	9 2	6,612	19 11	2,343	9 3	...	...
5. Customs Duties	19,000	0 0	19,136	16 3	13,672	12 8	5,464	3 7	...	...
6 Rents.	2,000	0 0	2,002	2 7	1,465	19 1	538	3 6	...	...
7. Miscellaneous Receipts	750	0 0	880	19 9	333	5 5	547	14 4	...	...
8. Railway Earnings	16,330	0 0	14,217	6 6	...	...	* 14,217	6 6	...	...	* Barijuko Tramway ... 1,305 10 5 (1) Baro-Kano Railway ... 12,911 16 1 (2)
Total Local Revenue	237,550	0 0	162,366	1 8	129,627	1 0	33,168	5 10	429	5 2	£14,217 6 6
9. Imperial Grant-in-aid	246,000	0 0	246,000	0 0	237,000	0 0	9,000	0 0	...	...	(1) Receipts for preceding year included in Head 2. (2) Receipts for preceding year nil.
10. Contribution from Southern Nigeria**	70,000	0 0	52,500	0 0	52,500	0 0	...	...	...	...
Total Revenue	£ 553,550	0 0	460,866	1 8	419,127	1 0	42,168	5 10	429	5 2	

The Treasury,
Zungeru,
18th April, 1911.

J. H. BRATT,
Treasurer.

** In consideration of customs duties collected in Southern Nigeria on goods imported for Northern Nigeria.

Comparative Statement of Expenditure for the period ended 31st December, 1910.

HEADS OF EXPENDITURE.	Estimates 1910-11.		Actual Expenditure to 31st Dec. 1910.		Expenditure for same period of preceding year.		Increase.		Decrease.		REMARKS.
	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	
1 Governor's Office and Government House	6,146	0 0	4,239	5 9	3,641	3 8	598	2 1	...	...
2 Governor's Office Special May Compilation Staff	838	0 0	521	3 10	322	3 9	199	0 1	...	...
3 Secretariat and Printing	9,001	0 0	6,307	17 6	6,059	9 7	338	7 11	862	1 6	
4 Political	82,162	0 0	50,376	9 0	57,238	10 6	...	...	676	3 9	
5 Freed Slaves Home, Zungeru	44	0 0	57	18 5	734	2 2	186	13 4	...	...
6 Judicial	3,773	0 0	2,509	1 2	2,322	7 10	...	...	47	11 3	
7 Treasury	7,460	0 0	4,969	3 3	5,016	14 6	1,524	13 0	...	...
8 Postal and Telegraphs	17,460	0 0	13,605	18 1	12,081	5 1	894	6 1	122	3 11	
9 Medical	34,822	0 0	24,178	16 4	23,284	10 0	...	...	1,456	1 2	
10 Audit	3,289	0 0	2,056	14 4	2,218	18 3	...	...	...	...
11 Police	24,514	0 0	17,054	9 2	19,410	10 4	88	2 5	1,879	13 8	
12 Prisons	10,246	0 0	7,762	9 4	7,074	6 1	...	...	7,042	9 5	
13 Transport	22,886	0 0	19,301	16 7	21,181	10 3	2,505	2 6	...	...
14 West African Frontier Force	146,932	0 0	113,961	3 1	121,003	12 6	1,261	6 3	...	...
15 Marine	52,006	0 0	40,245	11 11	37,740	9 5	449	4 7	...	...
16 Customs	2,185	0 0	1,551	1 11	1,101	17 4	1,261	6 3	891	3 1	
17 Agricultural and Forestry	2,255	0 0	2,280	3 2	1,018	10 11	...	...	4,169	15 3	
18 Mines	1,125	0 0	611	3 0	1,502	6 1	...	...	...	...
19 Miscellaneous	25,335	0 0	21,000	4 7	25,259	19 10	464	3 11	...	...
20 Pensions and Gratuities	1,802	0 0	1,825	6 4	1,361	2 5	...	...	...	...
21 Education	1,796	0 0	626	2 11	1,323	11 10	626	2 11	...	...
22 Cantonments	13,100	0 0	8,738	7 8	8,428	4 6	170	0 10	...	...
23 Public Works Department	924	0 0	1,564	6 5	1,923	15 7	310	3 2	...	...
24 Barjuke-Zungeru Tramway	9,350	0 0	4,572	8 2	4,254	16 2	...	...	359	9 2	
25 Public Works Recurrent	24,990	0 0	16,474	7 5	16,474	7 5	...	...	...	...
26 Baro-Kano Railway	507,203	0 0	375,005	1 9	366,104	5 2	26,407	8 6	17,506	12 2	
27 Public Works Extraordinary	28,049	0 0	14,356	8 8	27,665	5 2	...	...	13,308	16 6	
28 Interest on Loan	535,252	0 0	389,361	10 5	393,709	10 7	26,407	8 6	30,815	8 8	
Total	46,120	0 0	30,731	3 10	17,379	1 8	13,352	2 2	...	...
	£581,372	0 0	420,092	14 3	411,148	12 3	39,759	10 8	30,815	8 8	

J. H. BRATT, Treasurer.

The Treasury, Zungeru, 18th April, 1911

235 Monthly Meteorological Return.

PLACE OF OBSERVATION.	TEMPERATURE.					RAINFALL.				No. of days on which rain fell.	Prevailing Wind, p. m.	OBSERVER.
	Highest in the Shade.	Lowest in the Shade.	Mean.	Greatest Diurnal Variation.	Mean relative Humidity p. m.	Total.	Maximum on one day.	Daily average.				
	Deg.	Deg.	Deg.	Deg.	Deg.	Ins.	Ins.	Ins.				
MARCH.												
Maiduguri	110	58	85.9	43	26.19	—	—	—	—	E.	Dr. Inness.	
Kontagora	102	62	85.25	39	51.16	.95	.72	.0306	5	N.E.	Dr. McLeay.	
Ilorin	100	—	—	—	67	3.53	1.39	.11	9	—	Dr. E. C. Adams.	
Zaria	105	57	83.01	42	40.32	.12	.12	.003	1	N.E.	Dr. Pirie.	
Kano	109	55	84	43	34	.45	.45	.014	2	N.E. & S.W.	Dr. Williams.	
Lokoja	100	67	85	29	64	3.59	1.20	.11	6	S.W.	Dr. Chartres.	
Ankpa	98	61	80	34	71.6	3.62	1.85	.117	7	W.	Dr. Bremner.	
Katagum	111	55	86.5	46	34	—	—	—	1	N.E.	Dr. McCay.	
Ibi	105	66	87.5	34	67	2.12	1.31	.068	3	S.W.	Dr. Pollard.	
Bauchi	103	62	84.61	32	34.35	0.50	0.37	0.0161	4	N.W. to S.	Dr. Twomey.	
Birnin Kebbi	109	56	86.5	37	38	.08	.08	.0026	4	Various	Dr. Lindsay.	
Keffi	102	64	83.7	32	63	1.10	.62	.035	7	S.W.	Dr. Parsons.	
Sokoto	106	61	86.7	30	33	.13	.06	.0042	4	S.W.	Dr. Dalziel.	
Naraguta	96	54	77.5	42	40.5	.24	.13	.007	7	E.	Dr. Gordon Hall.	
Geidam	119	54	85	50	27.3	—	—	—	—	S.E. to W.	Dr. Chesnaye.	
APRIL.												
Kontagora	102	65	84.13	26	65.9	3.40	1.02	.113	10	E.	Dr. McLeay.	
Kano	109	66	89	35	45	1.05	1.00	.003	3	S.W.	Dr. Williams.	
Zungeru	100	70	85.4	26	69	2.39	.62	.079	8	S.W.	Dr. Fagan.	

31st May, 1911.

J. P. FAGAN, Acting P. M. O.

Printed by T. B. MACAULEY, Government Printer, Northern Nigeria.—600. Copies of this Gazette can be obtained at the Chief Secretary's Office. Price 6d. each.

SUPPLEMENT TO
The Official Gazette
No. 5 OF 1911.

THE following abstract from Annual Report No. 3 by the Acting Resident Capt. G. Anderson of Niger province is published for general information:

POPULATION STATISTICS.

The Niger province has an area of approximately 18,000 square miles. The population to the square mile is 1373

The following are the native population statistics up to 31st December 1910:—

Division.	Males.	Females.	Total (including children)
Bida	41,272	49,362	117,251
Lapai-Agaie	24,067	28,395	65,952
Kuta	16,652	14,970	45,904
Kwongoma	9,324	9,178	24,254
Totals	91,315	101,995	253,361

Estimated Tribal population in the Province is as follows:—

	1909	
Nupes (including Binis, Kedes &c)	...	100,000
Filani	...	30,000
Hausas	...	25,000
Yorubas	...	5,000
Gwaris	...	62,520
Other Tribes (including Makankaras)	...	30,841
		253,361

THE following extracts from the Annual Report No. 43 for the year 1910 by the Acting Resident Mr. H. R. Palmer of Kano province are published for general information:—

The gross Revenue Receipts during the year were £53,213. When one considers that large amount that must have been in circulation it is evident that a very large and growing amount of silver finds its way into the Province from outside.

At first sight it is difficult to account for this, as up till recently the small traders who must bring the silver up, have generally been supposed to take down potash, salt and live stock for the most part and bring back English cloth and various other small articles of European origin.

I believe the explanation to be that the natives in the South have now a facility for buying Hausa cloths such as they never had before, and on the whole they prefer Hausa cloth to English cloth, and demand it.

The good name of "Kano" cloth and its reputation has increased rather than diminished through the country.

The local needs for English cloth are fully met by the Arab wholesale firms in Kano, so that it does not pay a small trader to bring up English cloth. He now prefers to make successive journeys with "worked tobos, kura babaku" and other Hausa productions, bringing back silver to buy more.

In this way he can be sure of a handsome profit among the people of the Benue, Lower Niger, Bauchi, and the South in general.

With the Turareg of the Sahara also English currency is at premium, since it is the medium by which they can always buy the Kano cloth which they must have.

Formerly they paid for their cloth in salt or potash, grain from Damagram and livestock.

Now to a very large extent, I am informed, they sell their goods for cash, and then buy cloth.

It will be seen from this that the Kano cloth industry is likely to be the mainstay of our revenue years to come.

There is every reason to believe that our revenue will keep on steadily increasing provided that the supply of silver is adequate for its realization by Government, and that the cloth and leather industries maintain their present high position.

COTTON.

THE following report on experimental Cotton plots at Ibi by Captain C. F. Rowe, Acting Resident, Muri, Province dated 28th March 1911, is published for general information:—

- Grades. 1. Three qualities of seed were issued: A. Black-Bassa. B. Ilorin (originally termed "Green Woolley.") C. Nyassa-Upland.

Germinating power. 2. Preliminary experiments as to germinating power of these seeds resulted:

- A. 33½% or (47% when selected.)
B. 61%
C. 92½%

Areas sown. 3. One acre was allotted to each grade of Seed and this area was sub-divided into ¼ acre plots, ¼ an acre of each grade was then planted at distances 3×2 feet and 4×3 feet.

Soil. 4. The ground selected consisted of a sandy porous loam, sloping north to the River Benue, the land having previously lain fallow for at least four years.

5. The Black-Bassa "A" was received here on 24th June, being a portion of the bulk consignment of seed as issued for free distribution, and was at once sown. As only 47% of the seed sown germinated the plots were re-sown where vacant and the total amount of seed used (per acre) was 12 lbs.

6. The Ilorin "B" and Nyassa-Upland "C" were received here on 15th July and planted on the 16th after heavy rains. Young plants began to appear within 4 days.

16 lbs of "Ilorin" and 11 lbs of "Nyassa" were used to the acre, vacancies caused by non-germination being refilled and all these weights being calculated on total amount of seed used.

7. By September all the plots were doing well and were favourably commented on by His Excellency when he visited Ibi.

They received two "cultivations" (i.e. weeding and hoeing) and were afterwards kept weeded only.

The plants were "topped" in the middle of September which gave a greater spread to the plants and had this "spread" continued, as it would have done had the planting been earlier, the larger interval of planting (4'×3') would probably have been proved to be preferable.

The "Nyassa-Upland" was then (September) by far the most advanced, though planted later than the "Black Bassa."

Towards the end of September certain "pests" were apparent which damaged the young bolls and flowers.

To effect the only cure possible without expert advice all infected plants were pulled up and destroyed by fire.

Specimens of these pests in all stages of development were sent to England by the Medical Officer for identification and report.

8. Picking commenced in November and proceeded steadily till end of February.

The "Nyassa" was most advanced and picking of this was begun on 8th November, followed by "Ilorin" (20th November) and "Black Bassa" (3rd December).

It was particularly noticeable that the development of the plants was markedly arrested on the cessation of the rains and in this connection the "Nyassa" suffered most and the "Black-Bassa" (planted earlier) least.

The conclusion apparently to be drawn from this is that earlier planting of "Nyassa" and "Ilorin" (say by middle of June) would have resulted in heavier crops or at least as heavy as the "Black-Bassa" (vide para. 10 re "resultant weight of crops.")

9. As before mentioned in interim reports I should like to have seen "a stronger plant with a slower boll-development" before the rains ceased—had this been so at least 50% greater crop might have been realised.

The earlier pickings were inferior to the later in that the last rains had somewhat damaged the earlier "bolls."

Had therefore the boll-development been arrested (but the plant development accelerated) the resultant crops would have been far superior both in value and weight.

10. The final results in weight of crops are as follows:—

"A" Black-Bassa, plot 1.	3'×2'—260 lbs. (& 2 lbs waste)
" "	2. 4'×3'—114 lbs (& 7 lbs waste)
"B" Ilorin plot 1.	3'×2'—163 lbs. (& 4 lbs waste)
" "	2. 4'×3'—197 " (& 6 " " "
"C" Nyassa Upland plot 1.	3'×2'—162 lbs (& 15 lbs " "
" "	2. 4'×3'—162 lbs (& 13 " " "

There are several points of interest in the comparison of these returns:—

The Black-Bassa planted earlier, had a fair average development in both plant and boll and the comparison of plots 1 and 2 is about normal.

It is apparent that the best financial result per acre is in this case obtained from the closer planting, (260 lbs per ¼ acre—520 lbs per acre—£2 3s. 4d. per acre at 1d. per lb.)

The Ilorin gives the better return off the wider planting (197 lbs per ¼ acre—say 400 lbs per acre—£1 13s. 4d. per acre at 1d. per lb.)

The Nyassa gives exactly similar returns off both plots (162 lbs per ¼ acre—324 lbs per acre—£1 7s. 0d. per acre at 1d. per lb) but Mr. Worsley thought so

well of this cotton that he believed it to be worth 1/- per lb in Liverpool or 2d. per lb in seed locally, if therefore this is correct the value of this may be put at £2 14s. 0d. per acre.

As emphasised in my para. 8 both the Ilorin and Nyassa would have given better results if planted earlier.

11. The final conclusions I come to, speaking without expert knowledge, are (1) that the "Nyassa-Upland" is eminently suited to the District if planted at right period. (2) that a mean might be struck in the "spacing" of plots say 3'×3' but this to be subject to further experience after such planting at a more correct period. (3) That if proved to be of the high value referred to a stimulus be given to this particular cotton (Nyassa-Upland) by payment of a higher rate in accordance with the condition in which it is brought forward. (4) That the greatest care be used in the issue of seed, in that non-germination, as in the case of the greater part of this year's issues (vide para. 31 of my December Quarterly Report), causes irremediable effects in the loss of faith in our advice by the native grower with consequent serious retardment of the industry as a whole.

12. A further comparison of financial results is of interest as compared with statistics of values of other native crops per acre, as at present accumulated in this province.

COTTON (vide para. 10.) average of £2 3s. 4d., £1 13s. 4d., and £1 7s. 0d.—£1 14s. 6d. per acre (excluding the possible higher value of "Nyassa-Upland")

Ground nuts	...	19/- per acre
Indigo	...	14/- " "
Sweet Potatoes	50/- per acre (European supervision)	
	30/- " " (Native worked.)	
Yams (Munshi)	...	£3 10s. 0d. per acre.
Benniseed	...	8/- " "
Rice (Lau Division)	...	20/- " "
Guinea Corn	...	22/6 " "
Beans	...	20/- " "
Mixed Crops (Gero, Guinea Corn, Beans, (as frequent) say 10/- per acre.)		

13. Contrary to the recognised belief I am now strongly urged by native growers to cut down the plants and permit their re-growth when I am informed that within the inter-period (Hausa fari) of the first and final onset of the ensuing rainy season a copy of at least fifty per cent greater weight may be anticipated and of a softer better quality cotton. This is, as I have myself argued elsewhere, contrary to other advice but I think it advisable to test the statement finally, particularly as the grounds on which such advice has been given were not obtained in Northern Nigeria.

It may be that this second crop may prove that Northern Nigeria or parts thereof, on account of its own peculiar rainfall and this possible dual crop may prove to be an even more favourable cotton producing country than already apprehended.

One particular point to watch in this experiment will be the possible degeneration of the seed (after the dual production) so that it may be necessary to very closely watch that the seed from "second crops" be never issued for future planting and I hold that after this dual-crop the plant should then be entirely eradicated and not, as in many native cases, left for a second year's production.

14. The present crops are being sent to Lokoja Ginnery duly labelled and advised.

SOKOTO.

THE following abstracts from the report by the Resident of the Sokoto Province for the quarter ending 30th September 1910 (Mr. Resident W. F. Gowers) are published for general information:—

The aged Waziri of Sokoto died on the 5th October. He was a picturesque link with the past history of Sokoto and, for 18 years prior to the British occupation, had been virtual ruler of the Emirate. He accepted our rule loyally and his advice and good influence over his co-religionists have been warmly appreciated by successive Residents. His brother Ambo has been formally installed as Waziri, with the Governor's approval.

Passports are being issued to pilgrims bound for Mecca. A considerable number are now returning and the Resident writes:—"I think that a good many people who left this country to make the Hajj in the early years of the British occupation, not feeling quite sure what our regime was going to be like, have been encouraged to come back by the reports of the state of the country which later pilgrims have brought them".

The route usually followed is through the Bahr-el-Ghazal and to the South of Darfur through the French Congo, but it is stated that the road through Darfur has been, for some time, closed to the pilgrims by the attitude of the Sultan of Darfur.

The Emir of Sokoto has caused a census to be made of all the lepers in his territory. These numbers exceed 6,000, and the proportion as to population appears to be no less than 33 per 10,000. In the Sokoto division it is as high as 53 per 10,000, and Dr. Dalziel doubts whether that figure is exceeded in any part of Africa. Efforts will shortly be made to segregate lepers in special villages or settlements but, in view of the great expense which will be involved by the feeding of such great numbers of infirm lepers, the problem is full of difficulty.

There was a slight outbreak of Small pox in Argungu at the beginning of August. The deaths were few and efforts are being made to induce the people to submit to vaccination.

Cattle in the Gwando division have suffered severely from an outbreak of disease which is probably Pleuro-Pneumonia, and more than 6000 animals are stated to have died since last year.

The Resident estimates the quantity of kola nuts annually imported into the Province at about 300 tons, valued locally at about £30,000. Most of the nuts go in transit to the countries on the northern border.

The returns of Land Revenue collected in the Province show an increase of £3,250 as compared with the corresponding quarter of last year.

The Resident, in an interesting memorandum, draws attention to the great advantage which would accrue to trade by utilizing the Niger and its tributary, the Gulbin Kebbi, for the transport of produce. The obstacles are the rapids in the Niger above Bussa, and the vegetation which chokes the channel of the Gulbin Kebbi. He hopes that means may be found for removing these obstacles so that the produce of the Sokoto Province may find an easy outlet towards Jebba and the Lagos Railway Northern Extension. Similar proposals have, from time to time, been made by Mr. Gowers' predecessors, but the lack of funds has always proved a bar to any serious attempt to cope with the problem.

ZARIA.

THE following abstracts from Report No. 43 for the quarter ending 30th September 1910 by the Acting Resident Mr. J. Withers Gill, of Zaria Province are published for general information:—

His Excellency the Governor arrived at Zaria on 9th July and remained until the 8th August. During his stay special Envoys from Sokoto, Bornu and Bauchi arrived conveying the salutations of their respective Emirs. They also brought the usual presents.

His Excellency, during his stay, superintended the laying out of a number of new roads and avenues for the provincial headquarters station, and selected the sites for the permanent buildings. Considerable progress was made during the quarter in the construction of the new residency and other officers quarters.

The rainfall during the quarter was the heaviest on record for 7 years.

The most important political event during the quarter was the establishment of a Beit-el-mal (Treasury) for the native administration. The Resident writes:—"It would be remiss on my part if I fail to put on record the admirable manner in which the Emir has accepted the innovations in native customs caused by this institution. Instead of adopting an attitude of passive obstruction he has been ready to make my path easier not only has he met me very willingly by transferring the administration of "Gado" (death duties) of "Sintuwa" (lost property) and "Yenchi" (freedom of slaves) to the Alkali's Court but he has consented to forego his own monthly stipend until the Beit-el-mal has sufficient funds in hand. The former implies a sacrifice of the rights and privileges hitherto pertaining to his rank and is a graceful concession to equitable administration in accordance with British ideas in the face of possible loss of prestige amongst his people. That this was done on his own initiative and not under gentle persuasion by myself is very much to his credit. He knows how to give in to the inevitable with a good grace and is quick to see the advantage of conceding, of his own volition what would, be in course of time, have had to be demanded of him."

The Alkali's Court at Zaria and the four new native law courts, established at various points in the Hausa division have done much good work and appear to have the confidence of the people.

The collections of Jangali tax show a very serious reduction. This is believed to be due to the transfer of herds into the adjoining provinces when the tax falls due.

The new road to the Bauchi Tin mines was completed up to the 78th mile from Riga Chikku railway station, and the work was done at an extremely cheap rate and with great rapidity.

The prospects of the cotton crop were poor and the growth of the plants on the Government experimental station at Maiganna not encouraging.

Tin was discovered at Lereui-n-Duchi during the quarter and prospectors pegged out several claims.

Efforts continue to be made to encourage the production of beeswax in the Pagan districts.

The flocks of white ewes at Zaria, collected by the Governor and intended for an experiment in sheep breeding continue to be in good condition, but the two English rams, which were imported in August, died a few days after their arrival. It is believed that they were over-driven on their way up from Railhead. Another ram has since been imported and appears to be thriving.

THE following abstract from report No. 46 for the quarter ending 31st March 1911 by the Resident Mr. J. Withers Gill of Zaria province is published for general information:—

His Excellency, the Acting Governor accompanied by His Honour the Chief Justice and other Officials from Zungeru visited Zaria on the 4th February last for the purpose of inaugurating the arrival of the Railway there. After an inspection of the work at Railhead and a visit to the town, where the Mosque, Native Treasury, Alkali's Court and Gaol were inspected, His Excellency left for Zungeru on the 8th February.

COTTON.

THE following Report on a sample of Native Cotton grown in the Wase District, Ibi Division, Muri Province by the Cotton Brokers of the British Cotton Growing Association dated 5th May 1911, is published for general information.

"The sample of cotton from Wase, Northern Nigeria, is light brown colour, very clean, but short in the staple, on account of its roughness it might suit Yorkshire buyers, and would be worth 30 to 40 on American contracts, otherwise it would only be worth about the price of good "Broach Cotton."

REPORT by British Cotton Growing Association Lokoja, dated 10th April, 1911, on the following samples from Nassarawa Province:—

No.	Black Bassa from Obi Lafia division	
2	" " " Keana "	"
3	" " " Dederi Babba "	"
4	" " " Arikiya "	"
5	" " " Lafia "	"
6	" " " Mallam Salou "	"

Of the above samples:—
No. 1. Good color, rather harsh, short, but a useful cotton.

No. 2. Discoloured. A good deal of immature cotton and the poorest sample of lot.

Nos. 3/6 There is very little to distinguish between these:

Colour is generally good. Staples of average length and silkiness. Very desirable cotton showing, we judge, good lint percentages.

The samples are sent to Liverpool for valuation of which you will be advised in due course."

Report on the Maiganna Cotton Experimental Farm for the month of March, 1911.

THE following extract from Mr. Assistant Resident H. Hale Middleton's report for March 1911 is published for information.

2. On March 12th the remainder of the Cotton was picked and on March 20th I personally supervised the uprooting and burning of all the old plants. The entire yield of 622 lbs has since been sold to representatives of the B. C. G. A., in Zaria at their fixed price of 1d. per lb.

3. I am now in a position to give the total yield of the varieties planted during the past season, together with the Ginning returns which I submit herewith:—

4. Although the percentages of the lint are, on the whole, good, the total production is distinctly disappointing and works out at a very low average per acre. It must, however, be borne in mind that the seeds were not planted until the rainy season was already well advanced and the Bassa and Ilorin varieties had by no means attained their full growth when the dry season commenced. The Nyassaland-Upland, on the other hand, being as Mr. Rae has pointed out—a plant of quicker development, has given by far the best results as regards both quality and quantity, and I would venture to suggest that its first trial at Maiganna has been sufficiently successful to justify more extensive experiments with this variety. With regard to the Bassa and Ilorin Cotton, although the percentages of lint show no difference, the latter variety has proved a distinct failure; its growth has been slow and the general quality of the cotton seed and lint is very inferior, while that of the Bassa is excellent both in lustre and texture.

5. In reading through Mr. Rae's Report for September of last year I notice that he refers to a certain small cotton blight as "Tzima" (Phonetic spelling). As is well known, there is always an element of doubt with regard to a very large number of specific terms in the Hausa language, and it is especially difficult to obtain sure information through the medium of an interpreter. On this subject I have made extensive enquiries but have been unable to find any trace of the word "Tzima" being used for a particular blight and would therefore mention this fact to avoid confusion in the future. There are however, two alternative explanations of the word mentioned by Mr. Rae viz (i) "Tsanya" or "Tsanya" is a small species of grasshopper which—before the wings have developed,—lives underground and only emerges from its retreat in order to attack and feed on the stalk of the cotton plant when the latter has attained a height of about 6 inches. This is, I believe, a common pest in the cotton farms of this country and is well known to native growers (ii) "Tsina" is the technical Hausa expression for picking out cotton which has been discoloured by blight. From personal investigation I have come to the conclusion that the Hausa name for the insect referred to is "Kururu" or,—amongst the less educated classes,—"Daraban Auduga."

Report on the Maiganna Experimental Cotton Farm for May, 1911

In view of the fact that all the seed cotton from last season's crop had been picked by the end of March and the farm at Maiganna has therefore been left untouched during April, no report could be drawn up for that month.

2. Taking advantage of the early rains I have now planted six acres with Bassa and Nyassaland Upland seeds, having eliminated the 3 acres of waterlogged ground mentioned in my last report.

3. As last year's experiments with the Ilorin seed proved so unsuccessful I decided to abandon further efforts with this variety and have used all available ground for the cultivation of Bassa and Nyassaland Upland only—sowing three acres of each with a portion of the seed grown on the Farm last season.

4. This season I have deviated slightly from the disposition and arrangement of the plants as made by Mr. Rae last year, as the ridges appeared to me to be set too close together to allow for the full and proper development of the individual tree. Consequently I have planted the seeds on ridges 3 ft 6 inches apart and about 15 inches high—leaving a distance of 18 inches between the seeds themselves. There are, therefore, about 90 rows of each variety, 440 ft in length.

5. In addition to this the ground has been well drained all round the plantation while the natural

slope of the land should prevent any water collecting on the farm even during the heavy rains.

6. Four seeds have been sown in each hole—and the plants should not be thinned until they have attained a height of about 2 ft 6 inches, when the two trees which show the least promise should be carefully uprooted. When the trees have reached a height of 4 ft 6 inches the weaker of the two remaining plants should be removed—leaving one tree only in each hole.

H. HALE MIDDLETON,
for Acting Resident Zaria

THE following amendments and alterations have, with the concurrence of the Acting Governor of Southern Nigeria, been made in the Freight Regulations for the Lagos Railway Northern Extension.

LAGOS RAILWAY.

General Manager's Office,
 Ebute Metta, 1st February 1911.

ALTERATIONS IN RATES.

1.—GOODS RATES FROM LAFENWA TO ALL STATIONS.

STATIONS.	Special Class A.	OWNERS' RISK.						RAILWAY RISK.						
		CLASSES.						CLASSES.						
		I.		II.		III.		I.		II.		III.		
	s.	d.	s.	d.	s.	d.	s.	d.	s.	d.	s.	d.		
Iddo ...	10	4	17	1	34	2	51	2	22	10	45	7	68	3
Ebute-Metta ...	10	2	16	10	33	7	50	4	22	6	44	10	67	2
Agege ...	8	6	14	1	28	1	42	1	18	10	37	6	56	2
Otta ...	6	10	11	4	22	7	33	10	15	2	30	2	45	2
Ifo ...	5	2	8	7	17	1	25	7	11	6	22	10	34	2
Papa-Lanto ...	4	4	7	2	14	4	21	6	9	7	19	2	28	9
Arigbajo ...	4	8	7	9	15	5	23	2	8	2	16	3	24	3
Itori ...	3	8	6	1	12	2	18	2	10	4	20	7	30	11
Wasimi ...	2	8	4	5	8	10	13	3	5	11	11	10	17	8
Owowo ...	2	0	3	4	6	8	9	11	4	6	8	11	13	3
Opelifa ...	1	4	2	3	4	6	6	9	3	0	6	0	9	0
Aro ...	1	0	0	7	1	2	1	8	0	10	1	7	2	3
Abeokuta ...	1	0	1	2	2	4	3	4	1	7	3	2	4	6
Arikola ...	1	6	2	6	5	0	7	6	3	4	6	8	10	0
Sanushi ...	2	8	4	5	8	10	13	3	5	11	11	10	17	8
Opeji ...	2	10	4	9	9	5	14	1	6	4	12	7	18	10
Eruwa Road ...	4	10	8	0	16	0	24	0	10	8	21	4	32	0
Olokemegi ...	5	6	9	1	18	2	27	3	12	2	24	3	36	4
Ogunshileh ...	6	2	10	3	20	5	30	7	13	8	27	3	40	10
Ilugun ...	7	8	12	8	25	4	38	0	16	11	33	9	50	8
Adio ...	9	0	14	11	29	9	44	7	19	11	39	8	59	6
Ibadan ...	10	8	17	8	35	3	52	10	23	7	47	0	70	6
Oyo Road ...	11	2	18	6	36	11	55	4	24	8	49	3	73	10
Olodo ...	12	6	20	8	41	3	61	11	27	7	55	0	82	7
Lalupon ...	13	6	22	0	44	0	66	0	29	4	58	8	88	0
Iwo ...	15	8	25	11	51	9	77	7	34	7	69	0	103	6
Ilegbo ...	16	10	27	10	55	7	83	4	37	2	74	2	111	2
Origo ...	18	4	30	3	60	6	90	9	40	4	80	8	121	0
Ede ...	19	4	31	11	63	10	95	9	42	7	85	2	127	8
Oshogbo ...	21	0	34	8	69	4	104	0	46	3	92	6	138	8
Ikirun ...	23	4	38	6	77	0	115	7	51	4	102	8	154	0
Okuku ...	24	10	41	0	82	0	123	0	54	8	109	4	164	0
Offa ...	26	6	43	9	87	6	131	3	58	4	116	8	175	0
Ila Market ...	28	6	47	1	94	1	141	1	62	10	125	6	188	7
Gama ...	30	0	49	6	99	0	148	6	66	0	132	0	198	2
Ilorin ...	31	2	51	6	102	11	154	4	68	8	137	3	205	10
Oyun River ...	31	10	52	6	104	11	157	4	70	0	139	11	209	10
Jodomo ...	32	8	53	9	107	5	161	1	71	8	143	3	214	10
Lanwa ...	33	7	55	2	110	2	165	3	73	7	146	11	220	5
Elebu ...	34	1	55	11	111	8	167	6	74	7	148	11	223	5
Bode Sadu ...	34	11	57	2	114	2	171	3	76	3	152	3	228	5
Jebba ...	36	2	59	0	117	11	176	10	78	8	157	3	236	10

NOTE.—A terminal of 2s. 6d. a ton is charged on all bookings to and from Iddo Station.

ALTERATIONS IN RATES.—Continued

2.—SPECIAL THROUGH RATES TO AND FROM IDDO STATION FOR THE COMMODITIES DETAILED BELOW AT OWNER'S RISK.

STATION.	* Corn, Guinea-Corn, Beans, Millet and other Grains.	* Gin and Spirits.	* Salt.	* Palm Kernels and Oil.	* Cotton Goods.	* Corrugated Iron.	* Fuel Oil and Oil for motive power.
	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
Lafenwa ...	10 6	16 0	17 6	11 6	21 0	12 6	23 3

NOTE.—* A terminal of 2s. 6d. a ton is charged on all bookings to and from Iddo Station.
 † A terminal of 1s. 3d. a ton is charged on all bookings to and from Iddo Station.

3.—PASSENGER RATES FROM LAFENWA TO THE FOLLOWING STATIONS:—

STATIONS.	FARES.					
	I.			II.		
	s.	d.	s. d.	s.	d.	s. d.
Iddo ...	20	9	5 3	4	0	Ibadan ... 21 0 5 3 2 9
Ebute-Metta ...	20	3	5 0	3	9	Oyo Road ... 21 10 5 7 2 11
Agege ...	17	0	4 3	3	3	Olodo ... 23 4 6 2 3 3
Otta ...	13	9	3 6	2	6	Lalupon ... 24 7 6 8 3 6
Ifo ...	10	3	2 6	2	0	Iwo ... 27 3 7 9 4 0
Arigbajo ...	9	3	2 3	1	9	Ilegbo ... 28 9 8 4 4 4
Papa-Lanto ...	8	9	2 0	1	6	Origo ... 30 7 9 1 4 8
Itori ...	7	6	1 9	1	6	Ede ... 32 1 9 8 5 0
Wasimi ...	4	9	1 3	1	0	Oshogbo ... 34 2 10 6 5 5
Owowo ...	4	0	1 0	0	9	Ikirun ... 36 10 11 7 5 11
Opelifa ...	2	8	0 8	0	6	Okuku ... 38 11 12 5 6 4
Aro ...	0	9	0 4	0	3	Offa ... 40 10 13 2 6 9
Abeokuta ...	1	4	0 5	0	4	Ila Market ... 43 4 14 2 7 3
Arikola ...	3	0	0 9	0	6	Gama ... 45 5 15 0 7 8
Sanushi ...	5	0	1 3	0	9	Horin ... 46 8 15 6 7 11
Opeli ...	5	9	1 6	0	9	Oyun River ... 48 2 16 2 8 3
Eruwa-Road ...	9	6	2 6	1	3	Jodomo ... 50 4 17 0 8 8
Olokemegi ...	10	0	2 9	1	6	Lanwa ... 52 6 17 10 9 1
Ogunshileh ...	12	0	3 0	1	9	Elebu ... 53 10 18 5 9 5
Ilugun ...	15	3	4 0	2	3	Bode Sadu ... 55 10 19 2 9 9
Adio ...	18	0	4 6	2	6	Jebba ... 59 1 20 6 10 5

4.—Parcels and Luggage from Lafenwa to Aro Station to be booked on actual distance which is to be taken as 2 miles.

5.—Parcels and Luggage from Lafenwa to Abeokuta Station to be booked on actual distance which is to be taken as 4 miles.

All the above Rates and Fares to be in force from the 2nd of January 1911.

Item.	Rates on.	Altered from old Rate.	To new Rate.	In force from.
(6.)	Motor Vans, for use for public traffic on roads feeder to the Lagos Railway.	2nd Class.	1s. per truck per mile subject to a minimum charge of £1.	1st February 1911.

NOTE.—A terminal of 2s. 6d. per ton is charged on all bookings to and from Iddo Station.

F. H. WALLER,
Acting General Manager.

News Circular No. 9 of 1911.
OFFICIAL ZUNGERU, 16TH MAY, 1911.

1. *Sailings; Liverpool*:—26th April, Messrs G. I. Stodart, and W. Sheen Platelayers B.K.R., Miss F. Jaques, Nursing Sister, Medical, Lieut. R. A. Boyd, N.N.R., Mr. P. O'Brien, Foreman of Works B.K.R., Lieut. G. de Grey, N.N.R., Mr. F. B. Archer, Chief Assistant Treasurer.

3rd May, Mr. J. G. Ruscoe, Assistant Accountant B.K.R., Sergt. Rowland, N.N.R., Mr. G. H. Spooner, Truck Fitter B.K.R., Captain W. H. Browne, 2nd Class Resident, Capt. W. J. Maule, Sergt. J. Milligan, Sergt. A. Warnock, Sergt. W. G. Kerrison, N.N.R., Capt. C. F. Gordon, 3rd Class Resident.

10th May, Messrs Rogers and Thorp Platelayers B.K.R., Lieut. A. A. Cummings, N.N.R., Mr. P. A. Anderson, Assistant Engineer P.W.D., Dr. H. G. McKinney, Medical Officer, Sergt. G. B. Putland, Lieut. T. R. Bowlby, N.N.R.

2. *Sailings; Burutu*:—3rd May, Captain E. M. Baker, N.N.R., Mr. W. Burns, Foreman Fitter B.K.R., Mr. T. H. Houghton, Assistant Resident, Mr. H. C. Maynard, Assistant Resident, Mr. St. C. E. Stobart, Assistant Resident, Miss M. G. Denton, Nursing Sister, Medical, Mr. H. E. Wright, Foreman of Works B.K.R., Mr. M. Champion Platelayer B.K.R., Mr. J. Glentworth Foreman Fitter P.W.D., Mr. J. E. Lynch, Foreman of Works P.W.D., Mr. H. Gould, Engineer Marine.

10th instant Captain G. Anderson, 2nd Class Resident, Mr. H. Bovill, Assistant Resident, Mr. F. W. P. Soper, District Supt. of Police, Mr. G. J. Girardin, Assistant Engineer, B.K.R., Captain F. E. Bissell, Medical Officer, Mr. W. K. Fraser, 3rd Class Resident, Mr. L. W. LaChard, District Supt. of Police, Capt. E. J. Wolsley, N.N.R., Mr. E. C. Duff, 2nd Class Resident, Mr. S. Lewin, Assistant Treasurer, Messrs B. Littledale and W. Butler Foremen of Works B.K.R., Mr. G. Mackay, Foreman of Works B.K.R., Sergts. A. E. Coombs and F. S. Flint, N.N.R., Mr. J. Withers Gill, 3rd Class Resident.

17th instant Major T. A. Rose, N.N.R., Lieut. J. M. Gillatt, N.N.R., Mr. S. Ray, Accountant Marine, Mr. L. L. Woodell, Transport Officer, Mr. R. M. Reynolds, Deputy Marine Supt., Mr. F. E. Maltby, Assistant Resident, Mr. H. M. Stirling, Assistant Resident, Sergt. J. Hone, N.N.R., Lieut. A. W. Hunt.

3. *Arrivals; Burutu*:—18th April, Mr. A. E. Hall, Platelayer B.K.R., Lieutenant H. W. Symons, N.N.R., Mr. J. Dierden, Foreman of Works P.W.D., Sappers C. C. Crook and R. R. Rowland, Surveyors, Mr. H. J. Chapman, Foreman of Works P.W.D. Extdy., Dr. E. W. Graham, Senior Medical Officer, Mr. J. C. P. Sciortino, 2nd Class Resident.

22nd April, Mr. A. C. Ridsdale, Deputy Director of Public Works, Major H. D. Larymore, C.M.G., 2nd Class Resident, Mr. H. C. G. Bridger, Assistant Auditor, Lieut. L. C. Brodie, N.N.R., Mr. D. Gaskin, Assistant Engineer B.K.R., Mr. H. W. Langworthy, Assistant Resident, Mr. T. Beaumont, Assistant Auditor, Mr. C. W. Saunders, Engine Driver, Mr. C. Wrightson, Engineer Marine, Mr. W. F. Dicker, Engine Driver B.K.R., Mr. R. Shaw Foreman of Works P.W.D.

29th April, Lieut. C. Elliott, Marine Supt., Mr. W. J. Adamson Platelayer B.K.R., Mr. W. F. Pearce, Marine Officer, Mr. S. J. Milton, Storekeeper Marine, Sergt. H. Mapp, N.N.R., Capt. J. C. Parker, N.N.R., Mr. H. C. Hall, Assistant Resident.

6th May, Capt. F. H. Ruxton, 1st Class Resident, Mr. C. E. J. Bell, Assistant Engineer B.K.R., Mr. G. F. A. Gabbett, Assistant Marine, Sergeant J. Garratt, N.N.R.

Postings:—Capt. W. H. Browne, Niger, Capt. C. F. Gordon, Muri.
Mr. R. M. Reynolds, Deputy Marine Supt., transferred to Uganda as Marine Superintendent.

First Baro-Kano Railway train ran over Kaduna Bridge 6th May. Mrs. Eaglesome driving. This bridge having been completed in four months and twenty six days.

News Circular No. 10.

OFFICIAL ZUNGERU, 26TH MAY, 1911.

Sailings; Liverpool:—17th May, Mr. R. A. Lloyd, Assistant Engineer B.K.R., Mr. C. A. Woodhouse, Assistant Resident, Sergt. G. Glogg and Lieut. C. A. S. Carleton, N.N.R.,

2. *Sailings; Burutu*:—24th May, Major, J. B. Orr, N.N.R., Mr. J. Finch, Assistant Resident, Capt. F. A. E. Godwin, District Supt. of Police, Lieut. J. Bremner, N.N.R., Mr. W. Morgan, Assistant Resident, Corporals E. Greene and A. G. Powell, Surveyors, Mr. H. H. L. Hamilton, Loco. Driver, Mr. H. F. C. Holme, Assistant Resident, Mr. J. Gibb, Foreman of Works B.K.R., Mr. A. McAllister, Master, Marine Department, Miss E. A. Bott, Nursing Sister, Capt. W. M. Fowler, District Supt. of Police, embarked Lagos 25th.

3. *Arrivals; Burutu*:—13th May, Lieut. G. de Grey, N.N.R., Lieut. R. A. Boyd, N.N.R., Miss F. Jaques, Nursing Sister, Mr. F. B. Archer, Chief Assistant Treasurer, Messrs W. Sheen and G. I. Stodart, Platelayers B.K.R., Mr. P. O'Brien, Foreman of Works B.K.R.

20th May, Capt. W. Hamilton Browne, 2nd Class Resident, Capt. C. F. Gordon, 3rd Class Resident, Capt. W. J. Maule, Sergts. J. Milligan A. Warnock G. Kerrison, N.N.R., Mr. J. G. Ruscoe, Accountant B.K.R., Sergt. Rowland, landed Lagos sick.

Postings:—Mr. C. A. Woodhouse, Bassa.

Empire Day celebrations Zungeru. Cup presented by His Excellency the Acting Governor for Polo, Tennis and Golf; Military *versus* Civilians, won by former.

Coronation Durbar will be held at Zaria from 22nd to 27th June. Emirs and representative natives will attend from all Provinces. His Excellency and staff leave Zungeru for Zaria on 17th June.

A large number of officials civil and military with troops will be present.

ANNUAL MEDICAL REPORT FOR THE YEAR ENDING
31ST DECEMBER, 1910.

Table I. gives a complete list of the Medical and Nursing Staff. Administrative Staff

During the year Dr. Blair, Senior Medical Officer, was promoted Senior Sanitary Officer and Dr. Foy, Medical Officer, Junior Sanitary Officer.

Dr. Graham, Senior Medical Officer, arrived from Southern Nigeria, on promotion.

Dr. C. E. S. Watson, Medical Officer, was promoted Senior Medical Officer.

Attached is a Statement of Expenditure incurred by the Medical Department, Table II. Financial

	£	s.	d.
The Revenue derived from Hospital Fees during the year was	659	3	3
And from the sale of Medical Comforts	104	16	4
Making a total of ...	763	19	7

GENERAL REMARKS.

The general health of both Europeans and Natives in the Protectorate during the year may be considered as satisfactory when compared with past years, as the appended Tables of Analysis go to show. Health.

	1903	1904	1905	1906	1907	1908	1909	1910
Average European Population	309	322	342	347	424	499	544	637
Number of deaths	18	13	10	17	7	10	13	13
Death rate per 1,000	58.25	40.37	29.23	48.99	16.50	20.04	23.89	20.41
Number of Invalids	43	67	49	55	50	48	67	48
Invaliding rate per 1,000	139.15	208.15	143.27	158.5	117.92	96.19	123.16	75.85

The general character of the diseases prevailing showed little change.

The Nosological Table gives a complete list of cases treated amongst Europeans and Natives. The total of the former being 1,039 and the latter 23,770.

During the year 3,899 Paupers were treated at the expense of the Government.

Appended is a list of cases of Blackwater Fever showing comparison with previous years:—

	1903	1904	1905	1906	1907	1908	1909	1910
Number of cases	17	35	18	25	12	14	13	9
Rate per 1,000 of average population	54.69	108.69	52.63	72.04	28.32	28.05	23.89	14.12
Number of deaths	8	6	4	5	0	4	3	2
Case of mortality per cent	47.05	17.14	22.2	20	—	28.57	23.07	22.2

There were 3,942 successful vaccinations performed.

(128)
The Northern Nigeria Medical Report 1910.
TABLE SHOWING THE SICK, INVALIDING, AND DEATH RATES OF EUROPEAN OFFICIALS.

	Official.	Non-Official.	Total.
Total number of officials resident	424	213	637
Average number resident	...	...	1,039
Total number on sick list	...	...	...
Total number of days on sick list	...	...	...
Average daily number on sick list	...	...	163.1
Percentage of sick to average number resident	...	...	...
Average number of days on sick list for each Patient	...	...	...
Average sick time to each resident	31	17	48
Total number invalided	7.3	7.9	7.5
Percentage of invalidings to total residents	7	6	13
Total deaths	...	...	...
Percentage of deaths to total residents	1.65	2.81	2.04
" " " average number resident	...	...	...
Number of cases of sickness contracted away from residence	...	...	...

Sanitation. I forward herewith a most exhaustive and thorough report by the Senior Sanitary Officer, which deals with every point under the above heading.

Meteorology. Detailed monthly reports are submitted from (18) eighteen stations. They are accepted as reliable by the Meteorological Society. The Medical Officer of each station is responsible for the record. Highest shade temperature—114° F. at Geidam March 23rd, and at Maiduguri on March 26th. Lowest shade temperature—39° F. at Sokoto on January 4th. Highest mean shade temperature—84.2° F. at Baro. Lowest mean shade temperature—76.3 F. at Ankpa. Greatest rainfall (annual total) 56.44" at Ankpa. Greatest fall on one day—5.53" on 6th August at Zungeru. Lowest rainfall (annual total) 16.87" at Geidam (no record for May.) Greatest range of temperature—73° F. at Maiduguri 11.4°—41.°

There is an European Hospital at each of the following stations:—

Lokoja ... 12 beds.
Baro Temporary for Baro-Kano Railway Construction.
Zungeru ... 12 beds.

Native Hospital. Lokoja ... 52 beds.
Baro. Temporary for Baro-Kano Railway Construction.
Zungeru ... 48.

At every other station a Hospital for Natives is erected if necessary. In the outstations Europeans are treated in quarters. The diseases will be found in the Nosological Table. I attach some notes on Leprosy in the Province of Sokoto.

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TABLE I.
MEDICAL STAFF.

Appointment.	Name.		
Principal Med. Officer	S. W. Thompstone, C.M.G.	1 Sanitary Officer of £600 to £700 by £25 ...	300
Deputy " "	J. P. Fagan	Duty pay at £120 ...	60
Senior Sanitary Officer	M. C. Blair	4 Senior Medical Officers at £600 to £700 by £25 ...	2,657
Senior Medical Officer	E. A. Chartres	Duty pay for 2 at £120 ...	320
" " "	F. Manning	14 Medical Officers at £400 to £500 by £20 ...	6,411
" " "	C. E. S. Watson	20 Medical Officers at £500 to £600 by £25 ...	10,465
" " "	E. W. Graham	Active Service Allowance to M.Os on expeditions at 10/- per diem ...	60
Sanitary Officer	H. A. Foy	Sanitary Allowance to 3 Medical Officers at £50 ...	150
Medical Officer	H. C. Lower	1 Chief Dispenser and Storekeeper at £300 to £350 by £10 ...	300
" " "	F. W. Chesnaye	1 Staff Sergeant at £162. Staff pay at £24 ...	186
" " "	H. P. Lobb	1 Male Nurse at £180 to £250 by £10 ...	250
" " "	C. F. Watson	9 Sergeants: 2 at £150; 1 at £152; 3 at £150; 1 at £149; 2 at £144 ...	1,357
" " "	W. H. A. Gordon-Hall	Staff pay to 2 Sergeants at £24 ...	48
" " "	E. C. Adams	10 Nursing Sisters at £100 to £150 by £10 ...	1,139
" " "	B. Flood	Duty pay of 2 Nurses in charge at £20 ...	40
" " "	M. W. Maunuk	Field and Ration Allowances ...	1,610
" " "	A. Bremner	2 Second Class Dispensers at £100 to £150 by £10 ...	227
" " "	D. Alexander	1 Third Class Dispenser at £80 to £100 by £5 ...	84
" " "	G. R. Twomey	2 Third Grade Clerks at £88 to £116 by £4 ...	223
" " "	A. C. Parsons	12 Dressers at £24 to £36 by £3 ...	376
" " "	M. F. Ellis	2 Cooks at £42 ...	84
" " "	C. T. Costello	7 Ward Servants at £18 ...	126
" " "	K. McGahey	2 Messengers at £12 ...	24
" " "	H. G. McKinney	2 Headmen of Ambulance at 1/- per diem ...	36
" " "	G. B. Norman	24 Ambulance Bearers at 10d. per diem ...	365
" " "	J. M. Dalziel	17 Dispensary attendants for out-stations at £1 per month ...	204
" " "	R. F. Williams		
" " "	W. D. Inness		
" " "	A. J. T. Swann		
" " "	B. Moiser		
" " "	G. J. Pirie		
" " "	C. W. McLesay		
" " "	J. M. W. Pollard		
" " "	W. A. Trumper		
" " "	Captain F. E. Bissell		
" " "	F. W. McCay		
" " "	E. J. Porteous		
" " "	H. W. Gush		
" " "	J. Lindsay		
" " "	J. W. S. Macfie		
" " "	W. Morrison		
" " "	P. C. Conran		
Chief Dispenser & Storekeeper	G. C. W. King		
Male Nurse	J. W. Vincent		
One Staff Sergeant	Persons employed.		
Nine Sergeants	{ Miss M. A. Ward & J. A. Clark &c.		
Ten Nursing Sisters	{ C. E. Roberts & one other Person employed		
2 2nd Class Dispensers	C. I. Davies & J. F. Eshon		
1 3rd " "			
2 " Grade Clerks			
12 Dressers			
2 Cooks			
7 Wardservants			
2 Messengers			
17 Dispensary Attendants			

TABLE II.
Statement of Expenditure.
MEDICAL DEPARTMENT.

1 Principal Medical Officer at £1,000 to £1,200 by £50 ...	£1,200
Duty pay at £200 ...	200
1 Deputy P.M.O. at £800 to £900 by £25 ...	800
Duty Pay at £160 ...	93
1 Senior Sanitary Officer at £800 to 900 by £50 ...	800
Duty Pay at £160 ...	160

Drugs, Instruments and Appliances ...	£1,000
Hospital and Camp Equipment ...	300
Medical Comforts ...	200
Hospital Diet and Provisions ...	500
Light Fuel &c. ...	60
Horse Allowance 28 at 2/6 ...	1,277
" " 7 at 1/9 ...	234
Outfits for Subordinates R. A. M. C. 6 at £14 ...	84
" Nursing Sisters 6 at £12 ...	72
" Medical Officers 1 at £12 ...	12
Contribution to Southern Nigeria for Medical Officer at Burutu ...	60
Medical examination of Officers in England ...	150
Expenses N. C. Os. and Nurses travelling in England ...	25
Scientific Instruments and Appliances ...	50
Expenses of Medical Officers and Nurses in Tropical School and fees on engagement of Nurses ...	60
Expenses in connection with Isolation Hospitals ...	20
Vaccination Expenses ...	200
Expenses in connection with Research work	20
Special remuneration to Missionary and Ships Doctors ...	50
Medical Research Institute ...	195
Total ...	£4,587

Summary.	
Personal Emoluments ...	30,355
Other Charges ...	4,587
Total ...	£34,942

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TABLE III.
RETURN OF STATISTICS OF POPULATION FOR THE YEAR.

	Europeans and Whites.	Africans.	East Indians.	Chinese and Malays.	Mixed and Coloured.
Number of inhabitants in 1909 ...	544	...	...	...	...
Number of Births during the year 1910 ...	...	...	...	...	...
Number of deaths during the year 1910 ...	13	...	...	...	...
Number of Immigrants during the year 1910 ...	...	...	...	...	...
Number of Emigrants during the year 1910 ...	...	...	...	...	...
Number of inhabitants in 1910 ...	637	...	...	...	...
Increase ...	93	...	...	...	...
Decrease

J. P. FAGAN,
Acting Principal Medical Officer.

Zungeru,
5th May, 1911.



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SANITATION.

(A.) GENERAL REVIEW OF WORK DONE, LAWS PASSED, AND PROGRESS MADE.

(1) Administration.

During the year, in the course of touring, I personally visited a considerable part of the Protectorate. It had, originally, been my aim to visit every station in the country; but delay in being relieved, after my appointment to my present office, and special calls to spots where my services were required rendered this a physical impossibility. Hereafter, the arrival in Kano of the Baro-Kano Railway will render it possible for my colleague and myself to realise this aim annually.

In April, I inspected the whole length of the Railway from Baro to a point 27 miles beyond Zaria: partly running line and partly the distal earth-works with the type-camps.

During July, my travelling began at Zungeru, was continued via Minna along the course of the Railway to Zaria and back to Zungeru on the 6th of August.

In the course of this tour, I arranged in association with the Resident of the District there, the laying out of a new town at Minna for the rapidly growing native population.

I then laid down certain principles to be abided in the laying out of new native towns. They were as follows:—

"All new native towns here should be square or rectangular. The greatest length ought to lie East and West: to enable the streets to be bathed in a maximum of sunlight, and to be swept by the prevailing winds. A broad 100 ft. street ought to run the whole length of the town: and it ought to be crossed by another similar thoroughfare. The secondary streets ought to be, at least fifty feet wide: and 20 ft. lanes ought to run between the backs of adjacent rows."

"By following this plan, the town can be seen through its whole length, or through its whole breadth, by a person standing in any street or lane. The plots ought, if possible, to be 90 ft. x 90 ft. The town ought not to be sufficiently broad to render a system of dry-earth conservancy difficult. The market ought to be outside of the town: and if possible, to leeward and down-hill from it; to avoid carrying market rubbish through the town, soakage from the market into the town, and the carrying thither from the market of the inevitable flies."

"Of course, if a town be built on a slope, the streets must run up and down hill: the questions of direction of wind and of sunlight giving place to this consideration."

"As all the members of the Medical Staff know from sad experience, there is not a single station in the Protectorate in which anything like a satisfactory sanitary system can be carried out otherwise than with great difficulty: and for this reason, the severest simplicity ought to be the guiding principle in the inception of any new native town. Other factors in the case are the religion, race, manners and customs of the natives; but all these merely emphasise the necessity for studying simplicity in the planning of new towns."

His Excellency assented to these principles with some reservation; e.g., accepting the above plan as the starting point, directed that extensions at right angles should be introduced, forming large open squares at intervals, that the lanes between the

mutual backs of rows of compounds should be fifteen feet, and the unit of a compound should be 100 ft. deep x 50 ft. broad.

Of course such rectangular extensions as those recommended by His Excellency will only be applied to towns of considerable size situated on areas sufficiently flat and extensive.

The important point is that the principle has been laid down that, in future, all new towns in the Protectorate shall be laid out in straight lines with broad thoroughfares, that a straight lane shall separate the mutual backs of parallel rows of compounds, that no compound shall front a thoroughfare less than fifty feet broad, and that the regularity of the thoroughfares shall be maintained by the compounds being kept of an uniform depth.

On arrival at Zaria, I found His Excellency himself there: and he did me the honour of inviting my advice on the laying out of the station there, "from the point of view of sanitation."

Inter alia, I then laid down the following points, which should constantly be kept in view, in the laying out of new stations of mixed Europeans and natives as distinguished from purely native towns.

(a) "To have the houses of Europeans on the highest ground; in order that a maximum of dryness and of moving air may be secured."

(b) "To have the houses of Europeans, and the offices in which they work, facing North and South: in order that the sun may pass along the roof-ridge and heat the walls as little as possible. As the tornados with their driving rain come roughly, from the East, this position also tends to protect the body of the house from dampness caused by them."

(c) "To have the Europeans compounds as large as is reasonably possible—100 yards square ought to be the minimum so that the residence of the necessary native servants within the compounds may not result in too close an intermingling of natives with Europeans in the European quarter."

(d) "To have the boundary of no native quarter within four hundred yards of the nearest European dwelling house."

(e) "To have provision made—in places so situated that they are sufficiently near and still do not result in nuisance—for the incineration and burying of refuse, for the disposal of the contents of latrine buckets, and for latrines for the use of the native population."

(f) "From the point of view of distance from European habitation to have clerks, artisans, traders, and other African non-natives treated precisely in the same manner as the indigenous natives: for in some respects, the sanitary habits of this class of Africans are much worse than those of the natives."

(g) "In the native quarters, to have the streets or rows in definite lines."

"The houses and compounds ought, in structure and arrangement, to be in conformity with the manners and customs of the people; but so designed as to secure plenty of light, free ventilation, efficient drainage, and suitable positions in relation to the public roadway and to neighbouring houses and compounds."

(h) "To have the native quarter, or quarters, down-water from the European: and, if possible, so situated that the wind does not blow from native to the European quarter."

(i) "To have adequate provision made for open spaces, gardens, recreation grounds, public buildings, and native bathing places."



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calls for the exclusive services of one Medical Officer; and, as his duties call for constant inquisitorial activity, either he ought to be endowed with the powers of a magistrate, or a special magistrate ought to be detailed to be resident there.

The province of Bassa is situated on the left bank of the lower Benue. Roughly, it is bounded by Muri on the East, the Benue on the North, the Niger on the West, and by Southern Nigeria on the South. Physically, Bassa more closely resembles the Southern Nigerian country above the Delta, than does any other province in Northern Nigeria: the indigenous inhabitants are pagans, always suspicious, often timid, and frequently truculent; their civilization, such as it is, is of a most primitive type; and, as is so often the case among pagans their arts—agriculture, cloth-weaving, dyeing, &c.—are on a much higher plane than are their manners and customs.

The country is covered by dense, well nigh impenetrable forest, the native towns, as a rule, are buried in forest fastnesses; tsetse flies abound and render the constant presence of horses and cattle—except the small semi-wild breed of Okpoto cattle—impossible; and the country is infested by chiggers, which cause constant discomfort to many of the inhabitants.

Recently, since our occupation of the country has been resulting in steadily increasing security, Hausas and other Mohammedan immigrants from the north have been settling in the country in increasing numbers and building towns of their own.

At present, the Bassa pagans are not practically approachable, from the sanitary point of view: until recently, each village has been quite independent of the next one, from which it has held aloof and with which it has often been at war; and each individual village has been—and often still is—intensely jealous of its petty, parochial independence. Since the practical extinction of the authority of the Attahs of Idah, no paramount chief has ruled a large district or group of towns: and it is only now, that alien Mohammedan District Headmen are being imported from the North, that anything approaching orderly administration is becoming possible.

Had it not been for the hearty support extended to me by Capt Byng-Hall, the Resident of the Province, who seconded my wishes and activities by every means at his disposal, my tour through Bassa would have been a barren procession. As it was, a distinct beginning was established in the direction of sanitary administration; each district headman is telling off one of his native officials for exclusive service as sanitary inspectors of the town in which he lives; and it will be the duty of these sanitary inspectors to prosecute offenders against sanitation in the Native Courts. At Ankpa and at Agumi, in association with the Resident and Medical Officer, sanitary matters were gone into at length with the respective district headmen, together with their tributary headmen. At Gbebe, I did the same: the Resident was not with me there; but had sent on in advance, to the Anaja, telling him to prepare to receive me and to pay careful attention to what I had to tell him.

At Abajikoro, I advised the Resident touching the laying out of a new Hausa town, and the building of a new rest-camp. In association with the Medical Officer and the Resident, a new site was chosen, at Ankpa, on which to place the permanent headquarters station of the province. Permanent

buildings have not yet been sanctioned there, however: as His Excellency is not satisfied that Ankpa is the most suitable spot for the political centre.

After leaving Bassa, I proceeded to Baro, the headquarters and starting point of the Railway. Baro is situated in a horse-shoe or amphitheatre, scooped out of a table-land on the left bank of the Niger. Most of the Europeans live either on the table-land or, at least, up-hill from the horse-shoe; but the members of the trading community and a few railway officials—most of the latter only intermittently—live down in the horse-shoe itself.

A permanent marsh extends along the greater part of the front. According to all the canons of Tropical Hygiene, Baro ought to be a notoriously unhealthy spot; but, as a matter of fact, since its occupation by Europeans, its health record has not been at all a bad one for Northern Nigeria, and, as the Railway Hospitals, both European and native, are situated there, many of the cases of sickness treated are importations.

During the rains, tsetse flies abound, Tachinoides and Palpalis in the horse-shoe and up the cliff, and Morsitans on the table-land behind. The fly- nuisance has been greatly reduced, since the completion, in 1909, of extensive clearing of trees and bush by Dr. Chartres.

During the year, several cases of Trypanosomiasis in natives have been discovered at Baro: and the infected persons have been deported to the neighbourhood of Zaria; to keep them away from tsetse flies. It is impossible to say if all or any of these cases were or were not importations.

This discovery calls urgently for the filling up of the marsh with sand: for it is infested by tsetse flies. The horse-shoe and a larger part of the table-land behind will have to be completely denuded of trees and scrub: which is being done.

Pending the filling up of the marsh, mosquitoes are kept down by constant and extensive oiling: except when the Niger overflows it, during the high river.

Although practically run as a cantonment, Baro, so far as the native population is concerned, is to all intents and purposes a temporary railway camp. What time railway construction shall have been completed, the native population will be evicted from the horse-shoe, and their present grass huts will be burnt to the ground.

3. On the 25th of November, I left Zungeru on another long tour of inspection: and the end of the year found me at Naraguta, in the high lands of Bauchi, less than half way through that tour.

The first objective was Kateri, a Kadara village, in the province of Zaria and on the trade route from Kachia to Abuja. Kateri had been reported to be the centre of an outbreak of Sleeping Sickness: and I went thither accompanied by Dr. Simpson, Entomological Expert for West Africa, by Dr. Scott-Macfie, and by Dr. Porteous who came in the dual capacity of local Medical Officer and as representative of the Resident who could not come.

Kateri is a small village, situated in the midst of a dense Kurumi: and the surrounding country is dotted all over with Kurumis; nearly every one of which conceals a village.

A Kurumi is the Hausa term for a piece of marshy ground, covered by dense forest and scrub, and rendered nearly impenetrable by a network creepers. In many cases, streams traverse the centres of these

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Kurumis. They are an ideal nursery for tsetse flies: and, as a matter of fact, Drs. Simpson and Scott-Macfie found Palpalis in every Kurumi examined.

On investigation, it was evident that the Natives were in the habit of mistaking several different diseases—notably Cerebro-Spinal-Meningitis—for Sleeping Sickness; but there was also every reason to believe that Trypanosomiasis was endemic in the district.

It was further evident that the malady was not a recent importation, as had been reported: for the deputy headman of Kateri, himself a man of over forty, stated that he could remember the malady ever since he was a half-grown boy in his father's time.

When on arrival at Kateri, all its inhabitants, 80 in number, were apparently well—all the sick having died before our arrival. The whole 80 people were examined and blood films were taken from all—34 who shewed enlargement of the cervical glands. In none of the cases was the cervical enlargement well-marked: in fact, it was made out with difficulty in some of the cases; and, in a few of them, was confined to one side. Dr. Scott-Macfie discovered a Trypanosoma in the blood of one of the women; but careful examination failed to discover the parasite in any other case.

At several other villages in the district, blood was taken from people who exhibited slightly enlarged cervical glands; but, in all cases, without any positive result. The blood films were all carefully re-examined at Zungeru; but, again, the parasite was only seen in one—to wit that from the woman at Kateri.

The Kadaras are, as a rule, a bright intelligent race of Pagans: and they are very industrious. They wear very little clothing: a few of the headmen wear short gowns; the men wear skin aprons, or small loin cloths; and the women and children are well nigh stark naked. This scantiness of clothing, combined with their inveterate love of living in kurumis and the wide distribution of Glossina Palpalis in their country, renders them peculiarly vulnerable to the cause of Sleeping Sickness.

They stick to their kurumis: because they fear to be captured as slaves, if they build their huts in the open country. Of course, this danger is practically non-existent now; but it will take a considerable time to re-assure these Pagan communities, who have been concealing themselves from slave raiders for centuries. Unlike their semi-civilized Mohammedan neighbours and persecutors, they are free from Syphilis: and—so far as we know, the Pagans suffer much more from Sleeping Sickness than do the Mahammedans—it will be most interesting to see if later scientific research demonstrate that the Spirochaeta Pallida confers a certain amount of immunity, on the part of its host, towards its kindred protozoon, the Trypanosoma.

On the 7th of December, I left the other members of the party on the Railway, and, after a flying visit to headquarters, marched on to Naraguta.

My reason for proceeding to Naraguta was that I might advise His Excellency, who himself arrived there on the 29th of December, touching the selection of a site for the administrative headquarters of the tinmining country. The country in the neighbourhood of Naraguta is full of good sites: so that the selection of one presents no difficulty whatever. I selected what I considered the best site at Naraguta; His Excellency on going over it, approved the selection; and arrangements were made

to proceed forthwith with the erection of temporary native buildings; pending the erection of permanent ones later, if Naraguta should eventually prove to be the real centre of the tin area.

While at Naraguta, also, I had the opportunity of advising several members of the mining community touching the laying out of their camps.

4. Throughout the country, the people are gradually being induced to give up planting within the bounds of their compounds, and to keep a clear area, around the inhabited parts of their towns, bare of cultivation and long grass. This principle, however, can only be carried out very gradually among a most conservative people whose habits have been stereotyped for many centuries.

Steady efforts are also being made to secure the the universal principle of surrounding wells with parapets, to prevent their contamination.

The principle, naturally at work already in some parts of the country, of having the market outside of the town-wall is being encouraged: and attempts are being made to induce the headmen to construct caravansaries beside the extra-mural markets; so that the floating population may be kept outside of the towns and, so far as possible, from contact with the local women.

Mosquito-borne, fly-borne and tick-borne diseases, water-borne diseases and leprosy need to have constant war waged against them: as is the case throughout West Africa. But, in the Mohammedan part of Northern Nigeria—by far the most important area of the country—I can say, without the slightest fear of contradiction, that venereal diseases work more havoc than do all the diseases, mentioned above, put together. In the Sudan, venereal diseases have always followed the track of the trader particularly the track of the Arab trader. The European has been familiar with them at home, and, consequently, they do not appeal to his imagination so dramatically as do the so-called tropical diseases; but they are all the more dangerous on this account.

Syphilis and Gonorrhoea account for a larger number of the numerous cases of blindness—generally ascribed by the Natives and non-medical Europeans to Small-pox—; Syphilis causes an enormous amount of abortion, still-birth, and infantile mortality; and it is no exaggeration to say that, outside of the Pagan country, one half of the women of child-bearing age are barren on account of early Gonorrhoea. This state of affairs tends to keep the population stationary, or even decreasing.

Our advent has stopped slave-raiding and internecine wars, which, formerly, were the great hindrances to increase of population; but it has made practically the entire country safe for the trader, and he carries venereal disease wherever he goes.

So far as we know, the Pagans, in their hitherto isolated communities, are practically free from venereal diseases; but there is very great reason to believe that Sleeping Sickness has always been endemic among some of them. Our advent has brought security to the Pagan, as well as to the Mohammedan trader. The Pagan does not altogether realise this yet; but, when he does, he will emerge from his ancient seclusion and will mingle with other races. The inevitable result of this will be the spread of venereal diseases among the Pagan: and it is quite possible that the foci of the Sleeping Sickness will be multiplied.



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vaccinations were effected in the dry interior, where, formerly, scarcely any successful vaccinations were performed at all. This is due to the use of powdered lymph. Formerly, when lymph was sent out in tubes, during the transit in mail-bags across country, it became parboiled and inert: and most Medical Officers came to regard the sending of lymph to remote stations as wilful waste.

In some places it is very difficult to get cases to vaccinate: as the people have religious or other prejudices against it. In others, many more vaccinations could easily be done, were it not that, Syphilis being so common, the Medical Officers were afraid to practice arm-to-arm vaccination.

Now that the Pagans are becoming much more approachable than was the case formerly, there will be a great field for arm-to-arm vaccination, before Syphilis—as it undoubtedly will—shall have become rife among them.

Small-Pox is essentially a dry-weather disease: every outbreak going down with the onset of the rains.

DYSENTERY. 22 cases, one of them fatal, were treated among the Europeans, and 546, 43 of them fatal, among natives.

Dysentery is endemic and is observed all through the year; but is generally most common, taking the country as a whole, when the rains begin to flush the dry water-courses.

Like most natives, the people here are not at all particular about the water they drink: and they are, consequently, most vulnerable to water-borne diseases. Were it not for prolonged suckling—from two to three years—water-borne diseases would largely increase the already enormous infantile mortality.

So far as rule of thumb observation can inform us—reliable statistics are, so far, out of the question—the nomadic pastoral people, whose diet consists in great part of sour milk, suffer less from Dysentery than do the other natives; although they drink equally bad water. At most stations, the Europeans are supplied with condensed water for drinking purposes: and, in other places, the boiling of their drinking water is almost invariably a matter of routine.

Most cases of Dysentery in Europeans are traceable to their dishes having been washed with unboiled water, to their fondness for salads, or to their boiled water having been contaminated, or rather recontaminated by the passing of it through a dirty filter-candle.

It seems well nigh impossible to impress upon some Europeans that the rule is "filter and boil," not "boil and filter," and one comes to regard the filter rather as a death-trap than as a safe-guard.

Constant efforts are being made throughout the country to induce the natives to look carefully to their water, to jealously guard their wells from surface contamination, and to boil their drinking water. An increasing number of the natives are taking to the safe-guard of boiling. For example, the Emir of Katsina always sends to the station condenser for his own drinking water, and his entourage, as they express it themselves, habitually "have their water cooked." Of course, all the drinking water for prisoners and for the inmates of Native Hospitals is boiled.

ENTERIC FEVER. One case treated, in a native, was returned as Enteric Fever.

This malady cannot be called a disease of the country. It has occurred undoubtedly, among Europeans; but the instances of this have probably

been importations, and, when a recorded case has not been an importation, one is—rightly or wrongly—disposed to regard the diagnosis sceptically.

INFECTIVE ENTERITIS. Two cases were treated, among natives, with one death.

MUMPS. Six natives were treated.

CHICKENPOX. 23 cases, one of them fatal, were treated in natives.

COW-POX. 12 natives were treated.

ENDEMIC SYPHILIS. 580 cases, two of them fatal, were treated.

GONORRHOEA. 1517 cases were treated.

PHAGEDAENA. One case was treated.

Of course, these figures are no indication of the wide dissemination of venereal diseases.

LEPROSY. 37 cases, one of them fatal, were treated.

This disease is found everywhere and the number affected is very large, particularly in the north.

Steps are being taken, as already mentioned, to establish Segregation Camps: and the Medical and Political Officers all over the country are collecting statistics of Lepers; but the evidence, upon which the statistics, compiled up to date, rest, is so largely only hear-say that they cannot be regarded as reliable.

At first sight, it seems strange that so few lepers come under treatment: but leprosy is a very long drawn out disease; an individual may be infected for a long time, before the symptoms show themselves; most of the people treated by the Medical Officer are soldiers, police, employees and prisoners; soldiers and police before enlistment, and employees, as a rule, before engagement, are medically examined, and rejected if not sound; and, lepers, who find themselves the special objects of charity all over the country, have not the same inducement to commit crime as their healthy neighbours.

YAWS. 91 natives were treated. Yaws is observed from time to time, in different parts of the country: and sometimes it appears to assume an Epidemic form; but further observations will have to be accumulated, before this can be stated as a matter of fact.

TUBERCULOSIS. One case among the Europeans and 9,—3 of them fatal—among the natives were treated.

Tuberculosis is an exceedingly rare disease among the natives; but it is not at all uncommon among African non-natives from the Coast.

PNEUMONIA. 132 cases, 25 of them fatal, were treated among the natives.

This disease often appears to assume Epidemic form, when, during the cold weather, the natives huddle together in ill-ventilated huts for mutual warmth.

RHEUMATISM. 15 Europeans, and 541,—one fatal—native cases were treated.

Rheumatism is a very common disease: and cardiac complications, very often Aortic are frequently observed.

TETANUS. One fatal native case was treated.

Cases of Tetanus do not often come under observation. The natives, however, are well acquainted with it, and it is probably widely prevalent: but they have a deadly fear of it; they

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can hardly be induced to speak of it or even hint at it; and there is good reason to believe that they, almost invariably, carefully conceal it.

CANCER. One native case was treated.

This disease appears to be exceedingly rare among the natives of the country: most of the Medical Officers have never seen a case; and many have not even heard of one.

HELMINTHIC DISEASES.

ANKYLOSTOMIASIS. 8 native cases were treated.

BILHARZIA. 1 European and 10 native—one of them fatal.—cases were treated.

TREMATODA. 4 native cases were treated.

CESTODA. 439 native cases were treated.

NEMATODA. 2 European and 28 native—one of them fatal.—cases were treated—

GUINEA WORM. 756 native cases were treated.

Intestinal worms are very common everywhere: and the average native, of whatever race, takes them pretty much as a matter of course; regarding them with the same indifference as the European does a common cold. The native medicine men possess vermifuges of their own, and, when these parasites become too much of a nuisance, the sufferers have recourse to the medicine men. There is evidence to shew that some of these drugs, whatever they be, are most dangerous intestinal irritants.

These worms, undoubtedly, cause a considerable amount of marasmus and death among the children. Half cooked and sun-dried fish are favourite articles of diet all over the country; and those of the population, who are meat eaters, generally eat the meat imperfectly cooked.

Bilharzia is fairly common: especially in the provinces of Yola and Bornu.

Guinea Worm is common everywhere, and it will be a long time ere much can be done in contending with it. The reason for this is that it is much more prevalent among those who travel than among those who are always sitting down in one place. Now most of the people, particularly the Hausas, outside of the isolated Pagan communities, are born traders; all traders travel; nearly every trader himself carries a load on his head; the distances from water to water are often great; and no known device will stop a tired, thirsty native from drinking at any puddle which he may encounter. Some of these natives, when on their own account, will carry a load weighing anything up to 120 lbs., for long distances, day after day. It is quite common to see natives carrying loads which they can neither put on nor off their heads, without assistance. All their energies are concentrated on the effort of carrying; their higher centres become quite dormant, and their reflexes dull; and they, apparently, become unconscious of their surroundings. Such people will eat or drink almost anything.

At places where Medical Officers are stationed the slaughtering grounds and meat-markets are regularly inspected; diseased animals and bad meat are condemned and destroyed; and, in this way, Europeans and some of the natives are protected; but it only touches the outer fringe of animal and meat inspection: and, with our large area and sparse European population, it will be a long time ere much substantial reform shall have been effected in this direction.

Animals are liable to be slaughtered at any little market or way-side halting-place: provided a sufficient number of people to buy the meat happen to be present.

It is true that animals are killed after the Mohammedan fashion: but the people, as a rule, are not clean feeders; and if the letter of the law can be observed by one drop of blood coming from the cut throat, any moribund animal will be cut up and sold for food.

Pagans do not, of course, observe the Mohammedan law, touching clean and unclean animals; and it is well known that, when horses are evidently dying of Trypanosomiasis, traders buy them up to sell, in the form of meat, to the Pagans.

(3) General Measures.

SEWAGE DISPOSAL. No water system for the disposal of sewage exists. Earth closets and latrine trenches are the methods used for the disposal of excreta at all stations. At Lokoja and Baro, the contents of closet pails and buckets are thrown into the Niger: at all other stations they are trenched. The stools in the latrine trenches are daily covered with earth: only daily; because it has been found, so far, that the great majority of natives will not themselves immediately cover their own dejecta. They are continually warned about this and, when caught transgressing, are proceeded against; but most of the offenders escape.

Lokoja is the only station in the country at which earth-closets are provided for all: including the population of the native town. They do not work well in the native town there: they cannot, in the present disorderly condition of the native town; but this condition of affairs will gradually be amended, as the present process of remodelling proceeds.

At Lokoja, the vessels from the closets are carried to the place of disposal in hand-carts: at all other stations on labourers' heads. At Zungeru, trolleys on the tramway are being substituted for head carriage; and, at Zaria and Kano, bullock carts are being introduced. The system of direct trench latrines is gradually being abolished, in favour of the universal use of earth closets, at all stations where the local resources are sufficient for the purpose.

Sanitary gangs of labourers and a Sanitary Inspector are provided at Lokoja, Baro, and Zungeru respectively. The statistics of individual acts of sanitary activity furnished from these three stations, however, are very nebulous: for none of the Sanitary Inspectors except the one at Lokoja, and he very imperfectly, can read or write. Zungeru, Baro, and Lokoja, are the only towns at which anything in the shape of a local rate—in the European sense of the term—exists. These places being under direct administration, the sanitation is managed by the local authority and the Magistrate levies a rate for the purpose. At all other stations, the sanitation is a domestic affair directed by the Medical Officer: labourers or prisoners are available at some stations for the sanitation of the area within the station boundary; but, at others, the Europeans pay privately for the needs of themselves and their servants, while the soldiers, clerks, employees &c., are made to contribute to the cost of the remainder. All the native towns, excepting those at Zungeru, Baro, and Lokoja, still manage their own Sanitati on their own way; their own methods, being gradually improved in consequence of advice tendered to the native rulers by Medical and Sanitary Officers.

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The principle of Government being that of indirect administration *i.e.* government through the political system which was found in existence when the country was taken, the same direct sanitary, or any other, administrative methods cannot be practised in this Protectorate as are in the Coast Colonies.

In most native towns, every compound has one or more tumburis. Tumburis are piriform pits, from four to eighteen feet deep, with the end at the top. At the top, is a small opening, covered, when not in use, by a lid, and, through this opening, the dejecta are passed directly. They are a kind of septic pits, not rendered in brick and cement and surrounded with puddled clay. When the lid is taken off, some fluid, swarming with maggots, is seen; but they do not smell offensively. They are practically never cleared out.

Of course, the danger in connection with them is the pollution of wells; and there is no doubt that the wells often are polluted by them.

In some of the large towns in the North, notably Kano and Katsina, ordure is removed daily by men, or on the backs of donkeys, and is used to manure the farms in the vicinity.

In the European station at Kano, ordure is regularly removed every morning from the earth closets and stables by the surrounding peasants, who esteem it a favour to get manure for nothing.

Despite what has been written above, promiscuous defecation undoubtedly causes much nuisance on the surface, everywhere, European stations included; and it is almost impossible to stop it altogether in a country where at any given time, many of the people at any given place are semi-nomadic passers through. The same thing took place in London itself, when African troops were taken thither at the Diamond Jubilee of Queen Victoria in 1897; and all the Sanitary and Police authorities in the metropolis were unable to stop it entirely.

Disposal of Refuse.—At Lokoja part of the combustible refuse is disposed of by burning; and the remainder is thrown into the Niger, along with the incombustible. At Baro, Zungeru, and all other stations in the country, combustible rubbish is burnt daily, and the non-combustible rubbish is buried.

In Zungeru station, as distinguished from the native town, a sufficient number of incinerators, at suitable spots, was erected during the year, to dispose of all the combustible rubbish. They have proved a great success.

The natives themselves, in their own towns, are gradually in increasing numbers, adopting our method of burning and burying their refuse.

Water Supply.—The water supply of Lokoja is derived from the Niger and from wells; of Baro from a reservoir at the back of the amphitheatre where the water oozing from the face of the plateau is intercepted; and of Zungeru, from the Dago, which flows through the Cantonment. At the stations in the country, the water supply is derived from streams or from water-holes in the dry beds of streams or from wells or from springs; and, at a considerable number of stations, the normal supply is supplemented by roof-water collected in iron tanks. At most stations, the drinking water for Europeans is condensed; and a sufficient supply is issued to each European, daily.

In many parts of the country, particularly during the dry season the water is of very inferior quality.

In the North, the people are accomplished well-diggers; and wells fifty fathoms in depth are not uncommon.

Drainage.—The soil over most parts of the country is light and porous and percolation is free and rapid. Surface drainage is effected by natural water-courses and by artificial trenches. There are very few stations which do not stand sufficiently high to permit the escape of their surface water.

Clearance of Bush, Undergrowth, etc.—Continuous activity is going on, in this direction, all through the rainy season; and, after the rains have ceased and the bush and undergrowth are sufficiently dry, fire is used to finish the clearing operations.

There are some damp stations, *e.g.* Ankpa in the South and Katagam in the North, when the labour available is never able to maintain an adequate amount of clearance; but reform is gradually effected by the transfer of such stations to better sites or by the granting of more labour.

The natives are being induced to surround their towns with short crops such as sweet potatoes and groundnuts, and to plant their tall crops such as Guinea-corn and Millet, further out.

(B.) MEASURES TAKEN TO SPREAD KNOWLEDGE OF HYGIENE AND SANITATION

Lectures are not now delivered at the Headquarters stations. At Zungeru, lectures were formerly given to the Clerks and Artizans, *i.e.* to the English-speaking African non-natives from the Coast; but steady house to house visitation was found to be much better, and the lectures were, consequently, discontinued.

Besides this, the natives do not understand English and house to house visitation is the only thing for them. Lectures in Hausa, which most officers speak, would be of little use. The ordinary low-class Hausa-speaking native—the so-called bush Hausa—does not, habitually, use more than four or five hundred words in his vocabulary and to lecture to him on Hygiene, in his own language, would be like reciting passages from Gibbon or Macaulay to an audience of Somersetshire Labourers.

The sanitary and Medical Officers, in the course of their tours, deliver addresses to the Emirs and Sarikis and their high officials. This is a very different matter: for many of those individuals are men of keen intellect; they can convey knowledge to their people, when Europeans cannot; and they have the power and, in increasing instances, the will to enforce action arising from that knowledge.

Elementary Hygiene is one of the subjects in the curriculum, at the Government Schools which have been established at Nassarawa, near Kano.

A text-book on the subject, written in such English as will lend itself to easy translation into Hausa, is at present in course of preparation.

It is part of the scheme to have Mallams taught there and to send them back to their own towns to, *inter alia*, spread hygienic knowledge there.

Since the completion of 1910, in the latter part of February and the early part of March 1911, the Chief Sanitary Officials of the Emirs of Kano and Katsina respectively accompanied me in a tour through the bush, receiving sanitary object lessons from me at every native town which we passed through. It is the aim of each Sanitary and Medical Officer in the course of his tour, to act as a Missionary of Hygiene.

(C) Recommendations for future Work.

1. To endeavour to secure the enlargement of the central gaols at Zungeru and Lokoja: they being more often than not, seriously over crowded.

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2. To try to help on the efforts to give each European a furnished house. Where there are permanent houses, the majority of men have only one apartment; but a large proportion of the men in the bush live in thatched native mud huts, with mud floors and simple holes in the wall by way of doors and windows.

There is a paucity of furniture in most places; and a good many men are supplied with none at all.

Each European ought to have a house, however small, to himself: for no one, who has not lived under the conditions inevitable here, can have any conception of the injury, to health, temper, and professional efficiency, caused by the suppressed irritation which arises from the stabling up together of two or more uncongenial companions.

3. To secure the necessary funds to plant out every station with Dhub grass—short running grass which chokes out every other form of vegetation—and thus settle the clearing problem once for all.

4. To represent the necessity of increasing the number of passenger steamers on the Niger. The existing steamers are often overcrowded, with Europeans on the upper decks and with Natives on the lower: while certain African non-natives from the Coast are permitted to travel on the upper decks with the Europeans.

The steamers are over-wrought; they cannot be laid up sufficiently often for adequate repairs and effective cleansing; clouds of mosquitoes are concealed in the dark damp holes and forecables, by day, and emerge in legions, by night; the mass of natives on the lower decks and the occasional African non-natives on the upper decks are the natural complements of the mosquitoes; and many new-comers to the country often contract their first malarial infections on the journey up river.

If Yellow Fever were to obtain a footing at Burutu, these river steamers in their present condition, would furnish a ready means for its importation to Northern Nigeria.

5. To have the entire beach at Burutu put under the same Sanitary and Administrative authority.

6. To have it finally laid down, by legal enactment, that no European who is not an officer in the service of the Government—whether traders, missionary, or anything else,—no Oriental, and no African non-native shall be permitted to reside or to hold premises within the confines of a native town which is not inside of the boundary of a declared cantonment.

This is a piece of legislation which is absolutely necessary on sanitary grounds.

Non-natives are, of course, under direct administration: while natives are not—except, of course, in cantonments.

A Sanitary or Medical Officer cannot interfere with the affairs of a native town, except through—or by the consent, intimated formally to the native ruler of the town, in each special instance, of—the Resident.

This limitation of the power of the Sanitary or Medical Officer is perfectly just and equitable: for, in conformity with the principle of indirect administration, there can be no communication with a native ruler, except through the Political Officer; and this limitation is really a help—in no way, a hindrance—to sanitary activity. But, were non-natives residing in the town, they would not be the subjects of the Emir; but subjects of the Crown: besides which, if so disposed, they could easily find means of persuading the native ruler to permit them to do things which he would never allow his own subjects to do.

The special permissions indicated might very well call for the immediate intervention of the sanitary or medical officer: with the result that he would either have to ignore things which it was his duty not to ignore or court a break of these harmonious relations with the Political Officers upon which the facility and efficiency of his work depended.

7. To make the rule of the minimum distance, between European habitations and native quarters, which is permissible, apply to non-official as well as the official Europeans. There is nothing *sacrosanct* about an official, which makes his good health more precious than that of a non-official: and non-officials are quite as vulnerable to insanitary surroundings as are officials.

Young Europeans come out to West Africa as clerks and assistants in factories and are liable to be subjected to sanitary conditions under which it is a foregone conclusion that their health will be seriously impaired; but they fear to complain: thinking, rightly or wrongly, that they will be dismissed if they do. The enforcing of this rule would end all this.

8. To have the reports of individual tours of inspection sent home to the Secretary of State.

The distances travelled, the number of places visited, and the matters dealt with in the course of a whole year are apt to result either in rendering an annual Sanitary Report so brief as to be obscure, or so long that it is not likely to court attention.

9. To have the services of the dredger requisitioned to fill in, with sand from the river, the dangerous marshes at Baro and Ibi.

(Sgd.) M. CAMERON BLAIR,
Senior Sanitary Officer.

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METEOROLOGICAL RETURN FOR THE YEAR 1910.

MONTH.	TEMPERATURE.				RAINFALL.		Wind.	TEMPERATURE.				RAINFALL.		Wind.
	Shade Maximum.	Shade Minimum.	Range.	Mean.	Amount in inches.	Degree of Humidity.		Shade Maximum.	Shade Minimum.	Range.	Mean.	Amount in inches.	Degree of Humidity.	
January	102	57	45	78	—	34	N.E.	97	60	37	79.5	—	62	N.E.
February	102	62	40	83.7	—	33	N.E.	99	63	36	85	1.03	59	S.W.
March	107	65	42	86	8.5	36	N.E.	103	68	35	86.5	2.6	61	S.E.
April	103	70	33	87.7	1.15	61	S.W.	100	70	30	85	4.45	69	S.E.
May	101	69	32	83.5	6.69	73	S.W.	97	69	28	83	5.67	77	S.E.
June	95	66	29	80.9	5.54	79	S.W.	92	68	24	80.5	8.07	75	S.E.
July	91	67	24	78.7	7.09	82	S.W.	90	70	20	78.5	10.66	80	S.E.
August	90	68	22	78	19.27	86	S.W.	89	67	22	79	5.98	79	S.E.
September	92	67	25	78	10.82	84	S.W.	90	70	20	79	5.76	70	S.E.
October	96	61	35	81	2.05	77	Various.	98	68	30	81	3.61	77	S.E.
November	98	57	41	79	—	42	N.E.	95	61	34	79.5	—	71	S.E.
December	99	60	39	79.7	—	37	N.E.	95	58	37	78	—	73	N.E.
Year	107	57	50	81.2	53.44	60	N.E. & S.W.	103	58	45	81.2	45.49	72	S.E.
Zungeru.														
Lokoja.														
Kano.														
January	101	63	38	82.5	—	58	S.W.	96	46	50	69.6	—	38	N.E.
February	103	70	33	88	—	62	S.W.	100	50	50	73.4	—	37	N.E.
March	107	72	35	89.6	1.5	58	S.W.	108	53	55	79.5	—	32	N.E.
April	105	70	35	88.3	2.35	61	S.W.	109	60	49	88.0	0.2	39	S.W.
May	103	70	33	84.8	5.00	69	S.W.	110	71	39	90.0	0.8	47	S.W.
June	99	70	29	83.9	4.69	77	S.W.	104	68	36	85.4	4.12	54	S.W.
July	95	68	27	80.1	15.20	83	S.W.	97	65	32	79.6	8.10	69	S.W.
August	97	68	29	80.5	13.23	84	S.W.	92	66	26	78.2	8.97	75	S.W.
September	97	69	28	82.0	4.15	80	S.W.	97	66	31	80.7	4.62	68	S.W.
October	100	70	30	83.5	3.21	75	S.W.	98	57	41	79.2	—	37	E.
November	100	68	32	84.0	—	67	S.W.	96	50	46	73.5	—	28	N.E.
December	100	64	36	82.5	—	64	S.W.	94	51	43	71.4	—	31	N.E.
Year	107	63	44	84.2	47.98	70	S.W.	110	46	64	79.0	26.81	46	N.E. & S.E.
Zaria.														
Bauchi.														
January	95	49	46	71	—	42	N.E.	94	51	43	74.3	—	33	N.E.
February	104	47	57	76.6	—	33	N.E.	98	57	41	76.9	—	29	N.E.
March	109	54	55	81	—	28	N.E.	104	62	42	81.6	—	31	N.E.
April	106	68	38	86.6	2.17	54	S.W.	104	67	37	86.3	0.8	43	N.E.
May	102	65	37	82.6	3.78	70	S.W.	102.5	65	37	84.5	3.30	57	S.W.
June	96	64	32	79.2	4.95	79	S.W.	97	67	30	82.3	4.73	59	S.W.
July	93	64	29	75.9	11.28	86	S.W.	92	65	27	77.6	12.14	70	S.W.
August	89	64	25	75.9	17.73	84	S.W.	88	64	24	76.4	8.98	77	S.W.
September	93	63	30	77.4	13.08	73	S.W.	93	66	27	77.5	7.58	72	S.W.
October	97	52	45	77.5	—	60	N.E.	94	63	31	79.5	1.15	43	E.
November	96	47	49	73.9	—	34	N.E.	93	59	34	77	—	26	N.E.
December	98	45	53	71.8	—	41	N.E.	93	57	36	74.4	—	26	N.E.
Year	109	45	64	77.4	53.80	57	N.E. & S.W.	104	51	53	79.0	38.86	47	N.E. & S.W.
Koff.														
Sokoto.														
January	100	54	46	77.5	—	36	N.E.	95	39	56	71.3	—	37	E.
February	100	59	41	81.1	—	42	N.E.	97	62	35	78.2	—	38	E.
March	104	60	44	83.6	1.04	42	S.W.	107	63	44	84.4	—	36	E.
April	104	70	34	84.7	1.72	64	S.W.	108	75	33	91.2	—	42	Various.
May	101	68	33	82	5.30	71	S.W.	108	67	41	91.0	3.54	53	S.
June	100	68	32	80.1	5.28	76	S.W.	103	67	36	88.0	3.91	54	W.
July	91	68	23	77.4	4.71	82	S.W.	97	69	28	82.0	6.51	64	S.W.
August	87	66	21	76.9	13.95	85	S.W.	92	69	23	80.6	6.03	72	S.W.
September	93	67	26	78.0	9.30	84	S.W.	94	70	24	81.6	3.06	67	S.W.
October	96	66	30	79.9	3.10	76	S.E.	97	65	32	82.4	—	41	E.
November	98	54	44	77.5	—	46	N.E.	96	61	35	78.6	—	25	N.E.
December	96	52	44	70.9	—	41	N.E.	93	55	38	75.2	—	30	N.E.
Year	104	52	52	79.1	44.40	62	S.W.	108	39	69	82.0	23.11	47	E.

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Month	Temperature.				Rainfall.		Wind.	Temperature.				Rainfall.		Wind.	
	Shade Maximum.	Shade Minimum.	Range.	Mean.	Amount in inches.	Degree of Humidity.		Shade Maximum.	Shade Minimum.	Range.	Mean.	Amount in inches.	Degree of Humidity.		
January	100	48	52	71.0	—	37	E.N.E.	100	53	47	76.7	—	27	N.E.	
February	100	53	47	74.8	—	33	N.E.	102	58	44	81.8	—	30	S.E.	
March	114	57	57	79.8	—	29	N.E.	106	56	50	84.2	1.12	36	S.W.	
April	113	64	49	89.2	1.1	29	E.	104	67	37	87.6	4.4	54	S.W.	
May	insufficient record								104	68	36	84.1	4.06	67	S.W.
June	112	72	40	92.5	5.1	50	W.	96	66	30	80.2	4.17	74	S.W.	
July	107	67	40	85.3	5.95	69	W.	93	65	28	76.8	13.29	81	S.W.	
August	100	68	32	82.7	7.07	83	W.	88	67	21	76.6	16.91	84	S.W.	
September	104	68	36	83.7	3.23	73	W.	91	67	24	77.2	10.93	78	S.W.	
October	108	61	47	84.9	—	29	N.E.	96	57	39	79.0	2.09	68	S.W.	
November	99	53	46	78.3	—	24	N.E.	99	53	46	76.2	—	32	E.	
December	98	49	49	72.9	—	30	N.E.	97	53	44	76.4	—	28	E.	
Year	114	48	66	81.3	16.87	44	N.E. & W.	106	53	53	79.7	53.01	55	S.W.	
Geldam.															
Kontagara.															
Ibi.															
Yola.															
January	102	57	45	78	—	41	N.E.	100	61	39	78.7	—	45	N.E.	
February	104	58	46	83	—	39	N.E.	100	64	36	83.5	—	32	N. & N.E.	
March	107	60	47	86	0.2	46	N.E.	107	71	36	87.5	—	24	Various.	
April	105	71	34	87	4.39	67	S.W.	104	70	34	88.4	2.36	56	N.W.	
May	101	68	33	82	8.83	76	S.W.	101	64	37	84.9	6.97	66	W. & N.W.	
June	95	67	28	79	5.56	81	S.W.	97	69	28	80.9	10.19	77	N.W.	
July	92	70	22	79.7	5.35	80	S.W.	93	67	26	78.3	5.21	79	N.W.	
August	90	68	22	78	11.24	80	S.W.	90	66	24	77.8	8.06	84	N.W.	
September	93	69	24	80	7.57	81	S.W.	91	69	22	79.4	4.08	77	N.W.	
October	94	69	25	81.5	6.67	78	S.W.	96	64	32	82.0	1.80	70	N.W.	
November	96	56	40	79.1	—	63	N.E.	98	62	36	81.7	—	41	N.	
December	99	56	43	79.4	—	51	N.E.	97	60	37	79.4	—	40	N.	
Year	107	56	51	81.0	44.63	65	S.W.	107	60	47	81.9	38.67	58	N.W.	
Ankpa.															
Nafada.															
January	95	55	40	74.7	1.34	64	N.E.	101	43	58	70.8	—	42	N.E.	
February	98	56	42	79.4	—	71	E.	103	49	54	75	—	38	N.E.	
March	98	59	39	79.5	1.02	68	W.	110	53	57	81.1	—	34	N.E.	
April	94	64	30	79.2	5.65	77	W.	111	61	50	88.3	4.3	48	N.E.	
May	90	65	25	77	10.04	79	W.	108	60	48	88	2.52	61	W.	
June	88	66	22	76.9	5.64	82	W.	104	64	40	86.1	4.73	67	W.	
July	86	67	19	74.8	9.38	84	W.	98	65	33	80.9	8.89	76	W.	
August	83	66	17	74.3	11.42	85	S.W.	92	64	28	99.2	13.04	82	S.W.	
September	85	63	22	74.4	5.60	86	S.W.	96	68	28	79.5	3.53	84	E.	
October	92	65	27	76.1	6.31	86	S.W.	101	54	47	78	1.0	59	E.	
November	92	56	36	75.6	—	79	S.W.	99	49	50	75	—	33	E.	
December	95	52	43	74.3	0.4	69	S.W.	95	—	—	—	—	41	E.	
Year	98	52	46	76.3	56.44	77	W. & S.W.	111	43	68	80.2	33.24	55	N.E. & W.	
Birnin Kebbi.															
Katagum.															
January	93	50	43	71.7	—	45	N.E.	99	49	50	69.6	—	33	E.	
February	99	60	39	78.1	—	39	E.	100	47	53	73.6	—	30	E.	
March	106	63	43	84.0	—	35	N.E.	110	54	56	80.5	—	28	E.	
April	102	72	30	88.7	2.2	52	S.W.	112	62	50	87.7	2.5			

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METEOROLOGICAL RETURN FOR THE YEAR 1910.

Ilorin

Maiduguri.

Month.	Temperature.				Rainfall.		Wind.	Temperature.				Rainfall.		Wind.
	Shade Maximum.	Shade Minimum.	Range.	Mean.	Amount in inches.	Degree of Humidity.		Shade Maximum.	Shade Minimum.	Range.	Mean.	Amount in inches.	Degree of Humidity.	
January	99	53	46	77.2	—	51	N.	101	48	53	71.2	—	38	N.E.
February	100	60	40	83.4	.03	63	W.	102	47	55	72.7	—	34	E.
March	104	62	42	84.8	1.18	61	W.	114	41	73	77.4	—	30	E.
April	100	65	35	82.5	4.88	69	S.	110	59	61	87	—	36	N.E.
May	97	67	30	81.7	5.97	69	S.	111	55	56	87.7	2.80	52	S.W.
June	96	58	38	78.7	7.37	80	S.W.	105	65	40	84.9	.65	50	S.W.
July	98	61	37	75.2	6.60	80	S.W.	100	66	34	81.3	6.64	70	S.W.
August	90	62	28	75.4	6.53	82	S.W.	91	62	29	78.6	6.44	79	S.W.
September	89	61	28	75.1	14.71	82	S.W.	96	66	32	80.2	3.00	75	S.W.
October	95	62	33	78.1	3.87	85	S.W.	102	59	43	81.3	—	44	N.E.
November		No record						97	53	44	76.4	—	49	N.E.
December		No record						98	49	49	73.1	—	35	E.
Year	104	53	51	79.2	51.14	72	S.W.	114	41	73	79.3	19.53	50	N.E. & S.W.



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Table VI.
Nosological Table.
Return of Diseases and Deaths for the year 1910.

Diseases.	Europeans.				Natives.					
	Remained at end of 1909.	Yearly Total.		Total cases treated.	Remained at end of 1910.	Remained at end of 1909.	Yearly Total.		Total cases treated.	Remained at end of 1910.
		Admissions	Deaths				Admissions	Deaths		
Blackwater Fever	...	9	2	9	...	...	1	1	1	...
Beri-beri	5	5	26	7
Cerebrospinal Fever	2	2	2	...
Chicken-Pox	23	1	23	...
Cow-Pox	11	...	12	...
Dysentery	...	22	1	22	1	16	530	43	546	17
Enteric Fever	1	...	1	...
Enteritis Infective	2	1	2	...
Erysipelas	4	2	4	...
Gangrene	38	1479	...	1517	37
Gonorrhœa	...	1	2	3	...	2	22	...	24	...
Influenza	1	36	1	37	1
Leprosy	...	4	250	1	254	13	1370	13	1392	12
Malaria	56	...	56	...
Measles	6	...	6	...
Mumps	4	...	4	1
Osteo-Myelitis	1	...	1	...
Phagedœna	4	128	25	132	4
Pneumonia	...	2	...	2	...	...	4	1	4	...
Pyœmia	...	1	26	...	27	...	208	2	208	...
Pyrexia of uncertain Origin	...	1	14	...	15	2	532	1	541	9
Rheumatism	5	2	5	...
Septicæmia	7	1	7	3
Sleeping Sickness	9	34	3	43	...
Small-Pox	...	3	...	3	...	89	491	2	580	54
Syphilis	1	1	1	...
Tetanus	...	1	...	1	1	1	8	3	9	1
Tuberculosis	2	...	2	...
Whooping Cough	1	90	...	91	9
Yaws	...	2	53	...	55	1	164	8	165	1
Anæmia	...	10	...	10	...	...	89	2	89	3
Debility	...	1	2	...	3	...	...	...	...	...
Gout	1	1	1	...
Leucœmia	1	2	...	3	...
New Growths	2	...	2	...
Lipomia	5	...	5	...
Fibroma	1	...	1	...
Cancer	...	1	...	1	...	...	8	...	8	...
Cyst
Effects of Parasites	23	...	23	...
Trematoda	...	1	...	1	...	...	4	...	4	...
Bilharzia	1	438	...	439	2
Cestoda	...	2	...	2	...	...	28	1	28	1
Nematoda	14	752	...	766	8
Guinea Worm	8	...	8	...
Ankylostomiasis	...	6	...	6	...	4	90	...	94	4
Jigger	1	...	1	...
Pediculi	10	...	10	...
Scabies	...	1	...	1	...	15	837	...	852	20
Craw-Craw	...	1	38	...	39	1	79	4900	3	4979
Effects of Injuries	92	2	94	5
Burns and Scalds	...	4	...	4	...	...	1	1	1	...
Heat-Stroke	...	9	...	9	...	...	4	1	4	...
Sun-Stroke	...	1	...	1	...	...	2	1	2	...
Shock	27	2	27	3
Gunshot Wounds	...	1	...	1	...	...	15	2	15	...
Arrow Wounds	...	15	...	15	...	1	134	...	135	1
Sprains	...	2	...	2	...	1	4	1	5	...
Dislocations	...	6	1	6	...	7	67	6	74	2
Fractures	...	1	...	1	1	...	1	...
Concussion	...	1	...	1	3	...	3	...
Foreign body in Ear	...	1	...	1	7	...	7	...
" " Eye	...	1	...	1
" " Oesophagus	...	1	...	1

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Nosological Table (continued.)

Diseases.	Europeans.					Natives.				
	Remained at end of 1909.	Yearly Total.		Total cases treated.	Remained at end of 1910.	Remained at end of 1909.	Yearly Total.		Total cases treated.	Remained at end of 1910.
		Admissions	Deaths				Admissions	Deaths		
Effects of Poisons
Alcohol	...	1	1	1	...	...	1	...	1	...
Aconite	1	...	1	...
Sasswood	...	12	...	2	...	...	21	...	21	...
Ptomaines	49	1	49	1
Snake bites	...	3	...	3	...	...	11	1	12	1
Insect bites	1	...	1	...
Diseases of the Nervous System	...	1	1	1	...	...	2	1	2	1
Neuritis	2	...	2	...
Meningitis
Sclerosis	...	1	...	1	...	...	...	...	...	...
Haemorrhage of brain	...	1	1	1	...	...	1	1	1	...
Softening " "	7	1	7	...
Hyperaemia " "	4	...	4	...
Paralysis	14	...	14	...
Torticollis	6	...	6	...
Epilepsy	150	...	150	...
Vertigo	...	5	...	5	...	...	56	...	57	...
Headache	...	10	...	10	...	...	9	...	9	...
Neuralgia	...	4	...	4	...	...	1	...	1	...
Sciatica	1	...	1	...
Hysteria	7	...	7	...
Hiccup	...	1	1	...	...	...	1	...	1	...
Neurasthenia	2	...	2	...
Idiocy	3	...	3	...
Melancholia	...	1	...	1	...	...	1	...	1	1
Mental Stupor	1	...	1	...
Paranoia	1	...	1	...
Mental Aberration	1	...	1	...
Dementia	...	1	...	1	...	...	...	...	...	...
Insomnia	6	643	649	1
Diseases of the Eye	...	5	...	5	...	...	4	...	4	...
Conjunctivitis	1	...	1	...
Trachoma	4	...	4	...
Pinguecula	3	...	3	...
Pterygium	18	...	18	...
Keratitis	1	...	1	...
Ulcer of Cornea	15	...	16	1
Scleritis	1	...	1	...
Iritis	1	...	1	...
Choroiditis	1	...	1	...
Glaucoma	3	...	3	...
Hypopyon	2	...	2	...
Cataract	1	...	1	...
Amblyopia	4	...	4	...
Ametropia	2	...	2	...
Myopia	3	...	3	...
Astigmatism	11	...	11	...
Inflammation of Lacrymal Gland	13	...	13	...
Blepharitis	...	1	...	1	...	...	1	...	1	...
Sty	1	...	1	...
Oedema of Eyelid	1	...	1	...
Blepharospasm	...	1	...	1	...	...	...	...	...	...
Failing Eyesight
Diseases of the Ear	...	5	...	5	...	...	85	...	85	...
Inflammation of External Meatus	...	7	...	7	...	...	12	...	12	...
Impacted Cerumen	...	3	...	3	...	...	38	...	38	2
Inflammation of Middle Ear	1	...	1	...
Rupture of Tympanum	2	...	2	...
Inflammation " "	1	...	1	...
Deafness
Diseases of the nose	...	9	...	9	38	...	38	...
Rhinitis	1	...	1	...
Epistaxis

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Nosological Table (continued.)

Diseases.	Europeans.					Natives.				
	Remained at end of 1909.	Yearly Total.		Total cases treated.	Remained at end of 1910.	Remained at end of 1909.	Yearly Total.		Total cases treated.	Remained at end of 1910.
		Admissions	Deaths				Admissions	Deaths		
Diseases of the Circulatory System
Pericarditis	1	1	1	...
Endocarditis	4	1	4	...
Valvular disease of heart	28	9	28	1
Dilatation of heart	1	...	1	...
Angina Pectoris	...	1	...	1	...	...	1	1	1	...
Syncope	...	1	1	1	...	...	2	1	13	1
Disordered action of heart	13	1	13	1
Arterial Sclerosis	...	3	...	3	...	...	...	...	...	...
Aneurysm	1	...	1	...
Phlebitis	3	...	3	...
Thrombosis	4	...	4	...
Varix
Diseases of the Respiratory System
Asthma	...	5	...	5	...	...	1	...	1	...
Laryngitis	...	7	...	7	...	...	27	...	28	...
Tracheitis	2	...	2	...
Bronchitis	...	3	28	31	...	...	35	1064	4	1099
Congestion of Lung	1	...	1	...
Haemorrhage	16	5	16	2
Phthisis	2	...	2	...
Emphysema	...	2	...	2	...	...	76	3	76	4
Pleurisy	...	2	...	2	...	...	1	...	1	...
Empyema
Diseases of Digestive System
Stomatitis	...	1	...	1	...	...	13	...	14	...
Noma	1	1	1	...
Dental Caries	...	14	...	14	...	...	75	...	76	...
Gum-boil	...	4	...	4	...	...	12	...	12	...
Pyorrhoea	...	2	...	2	...	...	2	...	2	...
Toothache	...	4	...	4	...	...	40	...	41	...
Glossitis	1	...	1	...
Sore-throat	...	4	...	4	...	...	23	...	23	...
Tonsillitis	...	6	...	6	...	...	70	...	70	...
Inflammation of Salivary Glands	4	...	4	...
Salivary calculus	1	...	1	...
Pharyngitis	...	15	...	15	...	...	33	...	33	...
Stricture of Oesophagus	1	1	1	...
Gastritis	...	45	...	45	...	...	149	...	150	2
Haematemesis	...	1	...	1	...	...	...	...	...	...
Gastroctasis	...	1	...	1	...	...	...	...	...	...
Indigestion	...	37	...	37	...	...	273	...	274	1
Vomiting	1	...	1	...
Paresis	...	1	...	1	...	...	2	...	2	...
Gastralgia	...	21	...	21	...	...	14	...	14	...
Enteritis	...	3	...	3	...	...	42	3	42	...
Appendicitis	...	1	...	1	...	...	5	1	5	...
Colitis	...	17	...	18	...	...	29	...	29	...
Intestinal Haemorrhage	1	1	1	...
Intestinal Obstruction	...	3	...	3	...	...	...	...	...	...
Hernia	22	1	22	...
Diarrhoea	...	36	...	36	...	...	893	13	895	6
Constipation	...	6	...	6	...	...	1501	...	1502	2
Colic	...	11	...	11	...	...	3	300	303	2
Proctitis	...	1	...	1	...	...	...	...	...	...
Ischio-rectal abscess	...	1	...	1	...	...	3	...	3	...
Fissure of the anus	...	1	...	1	...	...	...	...	...	...
Fistula in ano	...	6	...	6	...	...	1	30	31	...
Piles	1	1	1	...
Prolapse of rectum	9	2	9	...
Hepatitis	...	4	...	4	...	...	...	...	...	...
Abscess of Liver	...	1	8	9	6	...	6	...
Congestion of Liver	...	2	...	2	6	...	7	...
Jaundice	1	...	1	...
Inflammation of Gall bladder

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Nosological Table (continued.)

Diseases.	Europeans.					Natives.				
	Remained at end of 1909.	Yearly Total.		Total cases treated.	Remaining at end of 1910.	Remained at end of 1909.	Yearly Total.		Total cases treated.	Remaining at end of 1910.
		Admissions	Deaths				Admissions	Deaths		
Gall Stones
Peritonitis
Dropsy
Diseases of Lymphatic Systems
Splenitis	1	...	1	...	3	...	3	...	...
Inflm. of Lymphatic glands	...	9	...	9	...	148	...	151	...	1
Suppuration of " "	...	1	...	1	...	8	...	8	...	1
Lymphangitis	6	...	6	...	46	...	46	...	...
Lymphangiectasis	1	...	1	...	...
Elephantiasis	6	...	6	...	...
Diseases of Genito-Urinary System
Nephritis	1	...	1	...	11	...	11	...	...
Renal calculus	1	...	2	...	...	...	...	...	...
Cystitis	4	...	4	...	1	...	10	...	...
Rupture of bladder	1	...	2	...	...
Retention of Urine	3	...	3	...	...
Hæmaturia	3	...	3	...	...	...	...	...	...
Oxaluria	1	...	1	...	...	...	...	...	...
Urethritis	2	...	2	...	12	...	12	...	...
Stricture of Urethra	2	...	2	...	...
Urethral Fistula
Inflammation of Prostate	...	1	...	1	...	...	...	...	...	...
Hypertrophy of prostate	...	1	...	1	...	9	...	9	...	...
Phimosi	3	...	3	...	...
Paraphimosis	1	...	1	...	...
Balanitis	2	...	2	...	...
Oedema of Penis	1	...	95	...	6
Soft chancre
Inflammation of Scrotum	...	1	...	1	...	...	...	...	...	...
Varicocele	3	...	3	...	...
Hydrocele	77	...	77	...	...
Orchitis	4	...	4	...	1	...	68	...	1
Epididymitis	1	...	1	...	9	...	9	...	...
Impotence	2	...	2	...	...
Endometritis	1	...	2	...	...
Amenorrhœa	1	...	1	...	...
Menorrhagia	1	...	1	...	...
Leucorrhœa	2	...	2	...	...
Abortion	3	...	3	...	...
Post Partum Hæmorrhage	1	...	1	...	...
Mastitis	4	...	4	...	...
Cracked Nipples	1	...	1	...	...
Diseases of Organs of Locomotion
Osteitis	2	...	2	...	1
Periostitis	1	...	1	...	12	...	12	...	1
Necrosis	3	...	3	...	1
Arthritis	1	...	41	...	3
Synovitis	4	...	4	...	1	...	142	...	1
Stiff joints	3	...	3	...	...
Curvature of the Spine	1	...	1	...	...
Myositis	17	...	17	...	...
Amyotrophy	2	...	2	...	...
Myalgia	12	...	12	...	10	...	830	...	9
Lumbago	3	...	3	...	1	...	63	...	...
Ganglion	5	...	5	...	...
Bursitis	2	...	2	...	1	...	3	...	4
Bursal Cyst	1	...	1	...	...
Talipes Valgus	1	...	1	...	...
Flat Foot	2	...	2	...	...
Diseases of Connective Tissue
Cellulitis	10	...	10	...	1	...	195	...	5
Abscess	11	...	11	...	14	...	409	...	18
Diseases of the Skin
Erythema	1	...	1	...	3	...	3
Urticaria	1	...	1	...	17	...	17

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Nosological Table (continued.)

Diseases.	Europeans.					Natives.				
	Remained at end of 1909.	Yearly Total.		Total cases treated.	Remaining at end of 1910.	Remained at end of 1909.	Yearly Total.		Total cases treated.	Remaining at end of 1910.
		Admissions	Deaths				Admissions	Deaths		
Eczema	4	...	4	...	4	...	48	...	52
Impetigo	3	...	3	...	1	...	13	...	14
Boil	1	...	20	...	1	...	124	...	125
Carbuncle	2	...	3	...	1	...	...	...	4
Gangrene	1	...	1	...	...	...	...	...	1
Herpes	2	...	2	...	...	...	25	...	25
Pemphigus	4	...	4
Dermatitis	18	...	18	...	8	...	8	...	8
Psoriasis	3	...	3	...	2	...	4	...	6
Pityriasis	1	...	1	...	1
Keratosis	2	...	2	...	2
Wart	1	...	1	...	1
Corn	4	...	4	...	4
Leucoderma	1	...	1	...	1
Veldt sore	1	...	1	...	...	...	...	...	...
Ring worm	7	...	7	...	2	...	48	...	50
Tinea Cruris	3	...	3	...	3	...	3	...	3
" Versicolor	1	...	1	...	1
Seborrhœa	1	...	1	...	1
Acne	3	...	3	...	...	...	...	...	...
Prickly heat	7	...	7	...	...	...	2	...	2
Folliculitis
Sycosis	1	...	1	...	...	...	5	...	5
Onychia	25	...	25
Whitlow	3	...	3	...	1	...	6	...	6
Ainhum	107	...	107
Ulceration	6	...	6	...	1	...	1698	...	1805
Senile decay	2	...	2	...	2
Drowning	1	...	1	...	1
Amputations	4	...	4	...	4
Circumcisions	10	...	10	...	10
Uncertified	3	...	...	...	...
TOTAL ...	21	1,018	13	1,039	12	542	23,228	208	23,770	489

* Not including 4,951 cases treated at the beach dispensary Baro during August and September.

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SOME NOTES ON LEPROSY IN SOKOTO PROVINCE.

Native beliefs. The natives do not profess to know the cause of leprosy but believe that it exists in the blood at birth: it may appear years afterwards as the result of improper food &c. This suggests an appreciation of the influence of heredity. Puberty is supposed to be the period when the symptoms are likely to appear, but while some declare that it may be latent as long as 60 to 70 years others deny this.

In this district all are agreed that the children of lepers are immune but that those of the following generation frequently show the disease usually within 6 to 9 years or at puberty. In illustration it is stated that if a child of healthy parents is carried on the back of a leper slave girl, the child will become a leper. (It is added that the disease will appear in the parts in contact with the girl's body.) If however the child is the offspring of leper parents he will not become a leper. The reason why the succeeding generation acquires leprosy is supposed to be that an alien strain of blood is necessary in order to bring leprosy hereditarily acquired to the surface. Again a person born of leper parents does not fear to handle leprous sores &c., believing himself immune, though his children are susceptible.

This curious belief in atavism (which is of course common in many countries in regard to leprosy) is not universal in Hausa-land. From Kano Eastward the sons of lepers, however well dressed and healthy, are generally saluted by their acquaintances when they meet and given a nominal alms of 2 or 3 cowries in the superstitious hope that the fates, (or hereditary taint), may pass them over.

The native belief in heredity is also shown by the fact that in Eastern Hausa provinces and in Adamawa and Bornu the better classes do not allow marriage with the son or daughter of lepers, or of the blind, or of the butchers (either owing to their trade in blood or from some early Mohamedan tradition).

Contagion. In regard to contagion native belief is much less definite. It is obvious that for the most part little heed is paid to the presence of lepers in markets &c. where they freely mingle with the people and may even be seen selling articles of food.

The question whether a man who marries a leper woman (or vice versa) becomes in time a leper is disputed and has given rise here to heated debate, some denying the occurrence while others point to actual cases. Many intelligent natives in all the Hausa provinces believe that leprosy may be acquired by intercourse with a leper woman, a belief which has much acceptance in the Pacific, and is widely held in perhaps all countries where leprosy is endemic. Infection by intimate contact, such as that mentioned of a child carried on the back of a leper is given due credence.

It is quite certain that the idea of isolation in some degree not only commends itself to the native minds, but is in many parts of Hausa-land and other parts of West Africa carried out by themselves. In Kano there is a tendency to segregate lepers in the neighbourhood of the hill Dala within the town. East of Kano it is not uncommon to compel lepers with their families to remove to the bush and form farms for themselves. Cases in the early stage of erythematous patches &c. though often recognised as lepers are not thus segregated.

The Yorubas believe mainly in direct contagion from person to person but admit other causes such as wrongly administered medicines &c. Their

practice is to drive lepers to the bush, and in former days young lepers were even killed. Now however it is common to isolate lepers in the bush and even to treat them and admit back to the community those who appear to be cured.

Food and other theories. There is no evidence that any native traces leprosy specially to dried or preserved fish. There exists however a wide belief in the connection between food and the disease e.g. (1) bad, dirty, or contaminated food in general, (2) unclean or contaminated utensils, and (3) particular articles of food. In regard to (1) and (2) no definite ideas can be mentioned. There is a fairly widespread belief amongst Hausas however that the "Kulba" lizard (or skink—Mabuia Perrottetii—a smooth red bodied species) is capable of causing leprosy, according to some by its bite, and according to others by accidentally fouling food or cooking utensils, water-jars etc. With this may be compared the belief of some people in Eastern Hausa that if a "Kulba" lizard is eaten accidentally by a fed bull the latter grows inordinately fat but the flesh and tripe of that animal will be avoided by those who know the circumstances, in the belief that they cause leprosy.

The Torunkawa (the local Fulani people of the higher ranks in Sokoto town and district) have some quite peculiar beliefs in regard to the relation of food to leprosy. Persons with an hereditary taint of leprosy or those already showing early symptoms are believed to have the disease brought out or aggravated by certain well defined articles of food. These are:—

- 1. "Kulami," a black species of barbel.
2. "Kembeshi," also a fish of the barbel tribe; (this species is not found in the waters near Sokoto town but is known in places not many miles distant).
3. "Kiffia," the mud turtle.
4. The goat—whether milk or flesh, (this suspicion attaches by no means solely to the male goat).
5. The fish called "Robai." This is a narrow fish of lizard-like shape and smooth skin is supposed to be a transformed "Kulba." It is avoided as food by those who know it.

Leprosy is common amongst the Torunkawa and the better informed amongst them do not eat those varieties of fish on account of their supposed connection with leprosy. The more careful amongst them also avoid dried fish for the reason that one cannot be certain that it is not one of the suspected species. Any well disposed person who sees the "robai" exposed for sale or recognised it in the dried form will seize it and throw it away. Many of the Torunkawa however eat dried fish freely and fresh fish of other species.

The other Fulani tribe of the district, the Sulubawa eat fish freely as well as the other articles of food prescribed by the Torunkawa and are said to suffer less from leprosy. This requires verification.

The Torunkawa as a rule do not buy meat exposed for sale in the market unless they are sure that it is not mixed with goat's flesh. For this reason the tail of a sheep is sometimes seen laid beside the meat on the market stall to indicate its origin, but this is a form of fraud which is well recognised in Hausa markets.

Similarly in regard to milk the Torunkawa as a rule avoid that sold in the market in case it is adulterated with goat's milk, but use both milk and flesh of the cow and flesh of the sheep in their own homes. Many of these people even extend the taboo to chicken and guinea-fowl except when raised at home.

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The Berrero Fulani in the bush live chiefly on the products of the cow and are said to have little leprosy and they probably rarely eat fish except that which they catch themselves in bush streams, but dried fish when opportunity offers at a market.

How fatuous some of the native beliefs are is suggested by the fact that in Kordofan goat's milk as the sole diet for forty days is a recognized method of treating leprosy.

According to native ideas it is apparent that heredity is the really important factor, and articles of food and other factors are considered to operate chiefly on those who are believed to have an hereditary taint. This qualification extends in some degree even to the possibility of direct contagion. The habit of the Torunkawa of this province in regard to fish eating might be construed either for or against the fish theory, but it will be observed that Sokoto District shows (vide statistical table) with one exception the lowest proportion of lepers in the division. It would appear that even if the native mind incriminates fish, it is fresh fish and not the half-cured article which is suspected. The native method of preserving fish is not as a rule by salting but by smoking by means of fire under a low wicker platform on which the fish is laid. Fish thus imperfectly preserved is generally, but not always, eaten without further cooking. All varieties of fish are at times thus treated from the small species resembling white-bait to the giant perch and even crocodile flesh. Along the Benue this industry is one of the commonest sights during the dry seasons and it will be interesting to compare the incidence of leprosy in the riverine provinces with that found in these further north.

NATIVE TERMS. There is little doubt that the natives are able to recognize the symptoms of leprosy at an early stage, though a natural fear prevents the patient or his people declaring the fact. Quite recently I have had to pronounce a definite opinion on a case which showed no other symptom than two small anaesthetic patches of erythema, yet the person had for some time been suspected by his neighbours to be a leper.

Dafe is the term applied to the early macular stage of erythematous and anaesthetic patches when sufficiently well defined to attract attention.

The term Zafi alone in vaguely used of persons suspected often correctly of being lepers in an early stage. It corresponds (when used of this disease) more or less with the period of prodromal symptoms with general weakness, feverish attacks, obvious ill health, pains or peculiar sensation etc., in the skin, and the less defined types of skin eruption.

Bakin Zafi ("black or perhaps suppressed inflammation") is the special term for obvious nodular or tubercular leprosy, while Kuturta is the general Hausa name for the disease, and is the only term used for the classical types of deformity which result from nerve leprosy.

NATIVE TREATMENT. In regard to native treatment of leprosy nothing of any value or even in the least suggestive of suitability can be mentioned. Many different plants could be referred to which are in use in different localities and are practically always combined with faith in written charms obtained from a mallam, or are compounded as a brew with the washing of portions of the Koran written on a Mallam's tablet. The Torunkawa are again peculiar in having a preventive treatment of their own, viz: a cold infusion of the leaves of the Sabara (a common shrub Conchritum sp) taken daily as an evening draught. This is said to be an indispensable preventive used by all the tribe and commenced at birth. The practice of blood-letting used for leprosy in some other parts of the Soudan, and in this country for various diseases, is not used here for leprosy from observation of the fact that wounds in a leper do not readily heal. I attach a table of the population of lepers in the various districts of Sokoto Division as such figures may some day be of use for comparison with those of other provinces. It will be seen that no less than 16 districts out of 46 show a proportion of over 100 per 10,000 of population, and of these 3 districts have over 200 per 10,000, (Kwara, 236.4 Dinawa, 224 and Zumi 203) whereas in only two districts does the figure fall below 20 per 10,000 (Gummi 17.6 and Sokoto town and district 17.7)

The populations are those of the assessment papers of March 1910. The number of lepers is probably under estimated, but the same may perhaps apply to the enumeration of population for purposes of assessment. No comparison of the 3 Divisions of the province (Sokoto, Gando, and Argungu,) in regard to tribal and social differences is possible at present. The number of lepers per 10,000 of population is

Table with 2 columns: Location, Lepers per 10,000 population. Rows: whole Province (52), Sokoto Division (53.2), Gando Division (49.2), Argungu Division (37.6).

The proportion of female to male lepers over the whole province is about 2 to 3. In India this figure is 2 females to 5 males, and in Japan 2 to 4.6. In 3 districts the female lepers exceeding the males. Sokoto town contains 117 lepers Jega 64, Gando 36, Ilo 30, and Birnin Kebbi 21.

The total number of lepers in the province is so large (nearly 6,600) that it is obviously beyond the powers of the native administration to deal with them satisfactorily, and short of such large measures of effective segregation and treatment as can be afforded by Government institutions it is doubtful whether much is to be expected.

In paragraph 10 of the attached memo. I have indicated what appears to me to be the irreducible minimum of local measures to be put into practice.

(Sgd.) JOHN M. DALZIEL, M.D., B. Sc. M. O., Sokoto

Sokoto,

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Leprosy in Sokoto Province.
 SEPTEMBER 1910.

Name of District.	Population of District.	Male Lepers.	Female Lepers.	Total Lepers.	Lepers per 10,000.	Prop. of Female to 100 Male Lepers.		Percentage.	
						Female Lepers.	Male Lepers.	Female.	Male.
1.—Sokoto Division.									
Anka	12,088	31	24	55	45.5	77.4	44	56	
Badardwa	25,955	94	82	176	67.8	87.2	47	53	
Bazai	22,980	28	26	54	23.5	92.8	48	52	
Bodinga	8,350	37	19	56	67.0	51.3	34	66	
Binji	5,860	66	33	99	168.9	50.0	33	67	
Silame (Birnin Peria)	9,846	63	41	104	105.6	65.0	39	61	
Bakura	18,820	58	19	77	40.9	32.7	25	75	
Bukwum	9,778	46	33	79	80.8	71.7	42	58	
Bungudu	29,262	134	51	185	63.2	38.0	28	72	
Denge	10,536	30	16	46	43.6	53.3	35	65	
Dinawa	1,470	13	20	33	224.0	154.0	61	39	
Dingyadi	5,010	61	37	98	195.6	60.6	38	62	
Dogondaji	10,440	20	13	33	31.6	65.0	39	61	
Dundaye	2,260	11	8	19	84.0	72.7	42	58	
Gandi	20,151	43	17	60	29.7	39.5	28	72	
Gadabawa	40,200	80	13	93	23.1	16.2	14	86	
Goronyo	13,400	84	73	157	117.2	86.9	46	54	
Gusau	21,792	105	72	177	81.2	68.6	41	59	
Gummi	26,660	26	20	46	17.6	76.9	43	57	
Maru	15,020	98	72	170	113.2	73.5	42	58	
Moriki	14,797	40	72	112	75.7	180.0	64	36	
Raba	14,400	122	67	189	131.2	54.9	35	65	
Sabon Birni	13,701	22	11	33	24.1	50.0	33	67	
Sanyinnan Daji	2,064	20	15	35	169.5	75.0	43	57	
Salome	4,100	24	11	35	85.4	45.8	31	69	
Sifawa	4,240	40	20	60	141.5	50.0	33	67	
Tambawel	29,270	63	42	105	35.8	66.6	40	60	
Talata Mafare	25,285	133	99	232	91.7	74.0	43	57	
Tureta	3,582	11	9	20	55.8	81.8	45	55	
Isa	13,820	100	21	121	87.5	21.0	17	83	
Jabo...	4,830	12	8	20	41.4	66.6	40	60	
Kawra Namoda	24,711	262	164	426	172.4	63.0	38	62	
Kebbe	9,680	45	23	68	70.2	51.1	34	66	
Kelgori	2,800	10	7	17	60.7	70.0	41	59	
Kwargaba	3,200	11	8	19	59.4	72.7	42	58	
Kwarre	6,600	84	72	156	236.4	85.7	46	54	
Kwiambana	2,580	16	8	24	93.0	50.0	33	67	
Kwoterokoshi	11,018	78	76	154	139.7	98.7	49	51	
Maradu	37,405	146	128	274	73.2	88.0	47	53	
Shumi	12,000	82	52	134	111.6	63.4	39	61	
Tsafi	—	35	46	81	—	131.0	57	43	
Sokoto Town	401,010	430	283	713	17.7	65.8	40	60	
Sarinkin Muslin Villages									
Ubandomas									
Sarikin Zamparis									
Galadiman Gari									
Alkalin Gari									
Magajin Gari									
Magajin Rafi									
Waziris									
Carried forward

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Leprosy in Sokoto Province.—Continued.

Name of District.	Population of District.	Male Lepers.	Female Lepers.	Total Lepers.	Lepers per 10,000.	Prop. of Female to 100 Male Lepers.	Per centage.	
							Female.	Male.
Brought forward	...	...	...	...	...	...	...	...
Walabi	3,000	21	14	35	116.6	66.6	40	60
Wamako	9,518	51	25	76	79.8	49.0	33	67
Yabo	31,650	81	45	126	39.8	55.5	36	64
Wurno	7,520	79	56	135	179.5	70.9	41	59
Zurmi	8,080	80	84	164	203.0	105.0	51	49
Total	1,010,139	3,226	2,155	5,381	53.2	67.0	40	60
2.—Gando Division.	211,381	703	338	1,041	49.2	48.0	32	68
3.—Argungu Division.	46,000	120	53	173	37.6	44.0	31	69
Total Province	1,267,520	4,049	2,546	6,595	52.0	62.8	39	61

COMMENTS ON REPORT ON LEPROSY IN SOKOTO PROVINCE SEPTEMBER 1910.

I have gone carefully over the reports on the prevalence of leprosy in the Province and append herewith some notes which suggest themselves.

1. The figures stated are I consider very alarming even if they should prove to be over-estimated, which is improbable since doubtless many of the less obviously affected have not been included.

Except in the case of *Argungu Division* the ratio to population is not stated. The forthcoming census may reveal the population to be higher than at present believed, in which case the percentage of lepers will be proportionately less, but for comparison with known figures in some other countries I have in the meantime taken the populations of several districts in *Sokoto Division* as shown in the latest assessment papers (March 31st, 1910) and have calculated the number of lepers per 10,000, of total population, which is the usual method of stating leprosy statistics.

In *Argungu Division* this figure is 37.6 per 10,000, which is itself an exceedingly large number, but is far exceeded in several districts of *Sokoto Division* where the figures range from 17.6 per 10,000 in *Gummi District* and 17.7 per 10,000 in *Sokoto District* (including the town and 8 other areas), to 236 per 10,000 in *Kwarre District*.

The average for the whole of *Sokoto Division* is 53.2 per 10,000, and I doubt if this figure is exceeded in any part of Africa in a similar area.

India, 7 per 10,000, in 1901. (1)
 Japan, 5 " " in 1906. (2)
 but probably much greater figures in some of the Pacific Islands.

(1) Imp. Gazetteer of India 1907, Census 1901.
 (2) Shiga. Transactions of the Bombay Medical Congress, 1909.

2. In view of the very large total (6595) for the province one can hardly expect any measures which depend for success on native executive and finances to be of serious value in preventing the spread of leprosy.

Whatever theory is held as to the mode of spread—contagion, insect carrier, or contamination of food—the leper himself must be regarded as the chief danger and should therefore be isolated. A wholesale system of isolation is obviously impracticable at first, but some simple measures of segregation and comparative isolation of a considerable number of the worst cases is feasible to begin with, and the system may well be gradually extended to other areas and in time made to include other cases than the helplessly deformed. It is impossible to handle the question practically without some degree of hardship to some individuals, and even the simplest measure of isolation will not be willingly accepted by all those subjected to it.

It is also needless to say that disinfection of clothes, discharges etc of ulcerative cases cannot be effectually carried out in connection with any primitive measure of isolation under native supervision.

3. As the chiefs appear willing to give effect to at least a modified isolation, there should be no great difficulty in forming a leper settlement outside each town and even in the neighbourhood of any group of villages where there are several lepers. Even if not at present acted upon in the province by the natives themselves this cannot be altogether alien to the popular ideas, and is done as a native measure in some form or other in some other parts of Northern Nigeria.

The sick only should be lodged in such settlements, every healthy person being absolutely excluded from sleeping or living there.

4. At present it may be expedient to allow the crippled to beg outside the towns but no leper should be permitted to sell food or clothing etc. (There is I believe at present more than one leper making a living by selling Kola nuts in Sokoto town).

5. The idea of forming leper farms to be worked by healthy persons on their behalf is not to be commended at least to begin with as it would probably cause hostility at the commencement. At

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the same time it should not be forgotten when the time comes to extend the system of segregation to include other than the mutilated and helpless cases, that there is always a considerable proportion of pronounced and sometimes actually disfigured lepers who are not mutilated and who are capable of manual work. These require isolation from a preventive point of view quite as much as the others, and with their help a leper farm might in some instances be profitably worked for the partial support of the Colony.

6. The suggestion to form a few large leper centres for the whole province is not feasible at the commencement, but might well be aimed at after a modified local segregation has been shown to be a benefit, and has in a measure educated native opinion.

7. The suggestion of the *Serikin Muslimin* that leper *Sarakuna* should not be interfered with for the reasons stated is not unreasonable, but a little tactfully offered advice or persuasion in regard to modified isolation within their own menage, cleanliness of person and houses etc. is necessary, and would probably not alienate their sympathies from the proposed measures.

In other cases where it is inexpedient or impossible without undue severity to remove a leper from his family, a *modified* isolation should be carried out at home, bed, clothing, food utensils and a hut to sleep in being so far as possible devoted to his sole use. This involves *supervision* which in the early stages of any preventive scheme is likely to prove one of the chief obstacles.

8. In the present condition of native social life it should not be difficult to enforce an order against the marriage of a leper. The fact that lepers become early sterile though it prevents their continuing to propagate children who will be born into infected surroundings does not render them less a source of danger to those near them.

9. In practice the chief obstacles to any effective measures of isolation will probably be found to be:—

- (1) *Reliable Supervision* (*vide* para. 7 above), as no European Official, Political or Medical, can undertake the supervision of lepers throughout the Province. This must be left to the headmen of each locality.
- (2) *The question of families*. This is by far the most serious difficulty at the commencement of any system.

(a.) It is an axiom that healthy children should be separated from a leper parent, and the native belief in atavism, though widely held must be disregarded. In application this measure cannot often be carried out without hardship. It is quite obvious that healthy children should on no account be placed on the leper settlement, and if it is impossible without undue severity to induce an infective parent to reside in the settlement, a modified isolation at home should be enforced. These are the cases where the difficulties of supervision are most apparent.

(b.) In cases where it is imperative that children should be separated from a parent (*e.g.* when the latter is already reduced by deformity to begging, or is an obviously infective case of ulcerating tubercular leprosy) provision will have to be made for the former. If the native administration is able and willing to allow a sum for maintenance of the segregated cases it is not too much to ask of Government to allow a grant for the support and care of families separated from parents.

10. To summarise the measures which in some form may be found to be practicable in this Province:—

- (1) *Segregation* of the worst cases in settlements outside towns, *modified isolation* of particular cases.
- (2) Lepers vagrants not permitted to roam over the country or enter the towns.
- (3) Lepers not permitted to take part in certain trades involving the handling of food and clothing.
- (4) Separation of healthy children from affected parents, and their maintenance if necessary at public expense.

These measures have as their object the prevention of the spread of leprosy from person to person which probably occurs under the present unrestrained intercourse of sick and healthy. They will also be a useful first step towards the general sanitary improvement of the conditions under which the natives live and their education in habits of cleanliness both of person and environment.

(Signed.) J. M. DALZIEL,
M. O.





Northern Nigeria Gazette.

No. 5. **EXTRAORDINARY.**

Vol. XII. **SATURDAY, JUNE 10, 1911.**

Public Notice.

Public Holidays Proclamation.

UNDER the provisions of the above Proclamation I hereby declare that Thursday the 22nd, Friday the 23rd and Saturday the 24th days of June 1911, shall be observed as Public Holidays throughout the Protectorate of Northern Nigeria for the Celebration of the Solemnity of the Coronation of His Majesty King GEORGE V.

C. L. TEMPLE,
Acting Governor.

Government House,
Zungeru,
10th June, 1911.

It is hereby notified for general information that the Headquarters of the Government of this Protectorate will be transferred to ZARIA from the 20th June till the 27th June.

By His Excellency's Command,
G. R. MATTHEWS,
Acting Chief Secretary.

Chief Secretary's Office,
Zungeru, Northern Nigeria,
10th June, 1911.



THE



Northern Nigeria Gazette.

No. 6. **EXTRAORDINARY.**

Vol. XII. **MONDAY, JUNE 19, 1911.**

Government Notice.

THE following Proclamations No. 5 of 1911, The Customs Tariff Proclamation 1911, No. 6 of 1911, The Telegraphs Proclamation 1911, No. 7 of 1911, The Native Revenue Proclamation 1911, and No. 8 of 1911, The Lepers Proclamation 1911, also Regulations under Proclamations already enacted, together with a notification under the Fugitive Criminals Surrender Proclamation are published by the direction of the Acting Governor and shall commence and come into operation on the dates therein mentioned.

By His Excellency's Command,
G. R. MATTHEWS,
Acting Chief Secretary.

Chief Secretary's Office,
Zungeru, Northern Nigeria,
19th June, 1911.



A PROCLAMATION.

Enacted by the acting Governor of Northern Nigeria.

C. L. TEMPLE,
Acting Governor.



WHEREAS it is expedient to amend and consolidate the law relating to the Customs Tariff of the Protectorate;

BE IT THEREFORE ENACTED by the acting Governor of Northern Nigeria as follows:—

1. This Proclamation may be cited as the Customs Short title.
Tariff Proclamation 1911.

2. There shall be raised, levied, collected and paid Articles dutiable.
unto His Majesty, his heirs and successors for the use of the government of Northern Nigeria, upon the goods set forth in the first schedule to this Proclamation, on their being imported into any part of Protectorate,

The Customs Tariff Proclamation 1911

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or taken out of bond for consumption in the Protectorate the several duties of customs, as the same are respectively inserted, described, and set forth in the said schedule.

Articles exempt.

Provided that no such duty shall be leviable on such goods when they are imported or taken out of bond under any of the conditions set forth in the second schedule.

Articles prohibited.

3. The importation and bonding of the goods enumerated and described in the third schedule are prohibited save as thereby excepted, and if any goods so enumerated and described shall be imported contrary to the prohibitions and restrictions contained therein, such goods may be forfeited and shall be disposed of as the Governor may direct.

Drawback on duty paid goods re-exported.

4. Upon all goods on which duty has been paid and which are re-exported to any place outside the Protectorate before being sold within the Protectorate, there shall be allowed a drawback of 95 per cent. of the duty paid thereon, subject to the rules regulating drawback claims.

Provided that all goods exported as aforesaid shall be deemed to be goods exported for drawback.

Provided also that this section shall not apply to goods re-exported to Southern Nigeria.

Transit fees on dutiable goods in transit.

5. Upon all dutiable goods imported on which no duty has been paid and which are transhipped or re-exported (including goods in transit and goods exported from bond) to any place outside the Protectorate, duty shall not be levied, but it shall be lawful to charge such fees, not exceeding 5 per cent. of the duty payable on such goods, as may be ordered by the Governor to cover any expenses incurred by the Customs Department, in connexion with such goods.

Provided that this section shall not apply to goods re-exported to Southern Nigeria.

Governor may make rules.

6. The Governor shall have power to make rules regulating the fees to be charged under section 5 of this Proclamation and the manner in which the drawback shall be collected under section 4.

The Customs Tariff Proclamation 1911.

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7. In the case of goods exported by inland navigation or overland carriage to any foreign country or Protectorate the drawback prescribed by section 4 shall be reduced by such amount, or duties in addition to the fees prescribed under section 5 shall be levied to such amount as may be necessary to make the total duties (after deduction of drawbacks) and fees paid in the Protectorate together with the duties, payable in such foreign country or Protectorate (after deduction of all drawbacks, subsidies, bounties or other considerations amounting to or effecting a reduction of the duties so payable), not less than the full duties payable on such goods in the Protectorate.

Drawback on goods exported to foreign country by land or river

8. It shall be lawful for the Governor by government notice to make any addition to, and to vary or revoke the whole or any part of any of the schedules hereto.

Power to alter schedules.

9. This Proclamation shall commence and come into operation on the 15th day of July in the year of our Lord one thousand nine hundred and eleven.

Commencement.

10. The "Customs Tariff Proclamation" is hereby repealed.

Repeal of Chapter 23 of the schedule to No. 9 of 1910.

THE FIRST SCHEDULE.
DUTIES OF CUSTOMS.

	£	s.	d.
1. On brandy, gin, rum, liqueurs, perfumed, medicated and miscellaneous spirits or strong waters, not being sweetened or mixed with any article so that the degree of strength cannot be ascertained by Trailes' hydrometer, for every imperial gallon not exceeding a strength of fifty per centum by such hydrometer	0 5 0
And for every degree or part of degree in excess of a strength of fifty per centum by such hydrometer an additional duty per imperial gallon of twopence halfpenny	0 0 2½
And for every degree below a strength of fifty per centum by such hydrometer a reduction of duty per imperial gallon of one penny farthing	0 0 1¼

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	£	s.	d.
Provided always that the duty levied shall in no case be less than four shillings per imperial gallon.			
2. On brandy, whisky, and gin other than trade spirits not exceeding the strength of fifty per centum by Tralles' hydrometer, the imperial gallon.	0	5	0
3. On brandy, gin, rum, liqueurs, perfumed, medicated and miscellaneous spirits or strong waters, and on any liquid compound or any other compound capable of being liquefied containing spirits, being sweetened or mixed with any other article so that the degree of strength cannot be ascertained as aforesaid, the imperial gallon ...	0	10	0
4. On manufactured tobacco or snuff, the pound ...	0	0	8
5. On unmanufactured tobacco, the pound ...	0	0	6
6. On ale, beer, cider, or porter—			
(a.) In barrels, per gallon ...	0	0	4½
(b.) In bottles, per dozen reputed or imperial pints ...	0	0	4½
(c.) In bottles, per dozen reputed or imperial quarts ...	0	0	9
7. On cigars, per 50 ...	0	1	0
8. On cigarettes, per 100 ...	0	0	6
9. On beads, other than real coral per pound gross ...	0	0	1
10. On coral (real), per ounce gross ...	0	0	3
11. On gunpowder, per pound ...	0	0	9
12. On firearms of any description, each ...	0	10	0
13. On kerosene and all other lamp oils, and methylated and other non-potable spirits not used for motor power, per imperial gallon ...	0	0	2
14. On kola nuts, for every 100 pounds ...	0	4	0
15. On lead in any form, per pound ...	0	0	1
16. On matches, per gross of boxes each box containing not more than 80 matches ...	0	0	6
And three pence in addition per gross of boxes for every additional 40 matches or part thereof per box ...	0	0	3
17. On salt, other than table salt, but including natron (potash), all alkalies and alkaline earths, if imported from Southern Nigeria per cwt. ...	0	1	0
Ditto if imported from elsewhere, per cwt. ...	0	2	0
18. On iron-toothed spring traps, each ...	0	1	0
19. Wine, claret, and ginger wine not exceeding the strength of ten per centum by Tralles' hydrometer, per gallon ...	0	1	0
All other, except sparkling wine, per gallon ...	0	2	0
Sparkling, per gallon ...	0	3	0

The Customs Tariff Proclamation 1911.

	£	s.	d.
20. On yarn, per pound gross ...	0	0	1
21. On soap, per cwt. net ...	0	1	3
22. On umbrellas, each ...	0	0	3
23. On cartridges, filled, the 100 ...	0	2	0
24. On grey baft, the pound gross ...	0	0	1
25. On cotton goods not elsewhere included, woollen goods, silk goods, linen goods earthenware, furniture, hardware (including cutlery,) and wearing apparel, an ad valorem duty of ten pounds per centum on the value of the goods at the port from which the same shall have been imported.			

THE SECOND SCHEDULE.

EXEMPTION FROM DUTIES OF CUSTOMS.

1. All goods other than salt imported which have paid duty in a British port in Southern Nigeria.
2. All goods imported with the sanction of the Governor for the use of His Majesty's troops or navy.
3. All goods imported with the sanction of the Governor for the service of any Public Department of the Protectorate or of the Southern Nigeria Government.
4. All goods imported with the sanction of the Governor by the Inspector General of the West African Frontier Force and his staff officers for their private use when on tours of inspection.
5. All goods imported with the sanction of the Governor by boundary and other special commissioners and their assistants for their private use while executing their duties.
6. Arms, accoutrements, equipment and uniforms, the property of officers of His Majesty's army, navy, or civil service, imported by such officers for their personal use on duty as required by the regulations of the service.
7. Passengers' baggage, including wearing apparel and personal effects, provided always that duty shall not be charged on any spirits or scent not exceeding one bottle of each, or on any cigars or cigarettes not exceeding 100 of each, or of any tobacco not exceeding one pound in weight included in a passenger's baggage.
8. Patterns, samples and advertisements passed as such by the Collector of Customs and subject to any regulations in that behalf made by the Governor.
9. All goods in transit under the Niger Transit Order in Council, 1903.
10. All goods imported in special circumstances for objects of a general public character or an enterprise deemed to be beneficial to the Protectorate with the approval of the Governor.
11. All other goods not specified elsewhere as dutiable.

The Customs Tariff Proclamation 1911.

THE THIRD SCHEDULE.

GOODS PROHIBITED TO BE IMPORTED.

1. Coin, viz., false money or counterfeit sterling; coin of the realm, or any money purporting to be such, not being of the established standard in weight or fineness; all coins or forms of native currency which may be prohibited by the Governor in virtue of any powers legally vested in him.
2. Indecent or obscene prints, paintings, books, cards, lithographic or other engravings, or any other indecent or obscene articles.
3. Infected cattle, sheep or other animals, and hides, skins, horns, hoofs, or any other portion of cattle or other animals which the Governor may by order prohibit in order to prevent the introduction of any contagious distemper.
4. Provisions, meat and vegetables unfit for human food. These, if imported, shall be destroyed or otherwise disposed of as the Governor may direct.
5. Arms of precision, firearms, guns, ammunition, cartridges (filled or unfilled), percussions caps and powder, except in conformity with the Firearms and Ammunition Proclamation.
6. Explosives, except with the sanction of the Governor.
7. Folded woven goods unless folded and marked in compliance with the Folded Woven Goods Proclamation, or any amendment thereof.
8. Spirituous liquors and wines, except in conformity with the Liquor Prohibition Proclamation.
9. Uniforms, except in conformity with the Uniforms Proclamation.
10. Matches, which contain white (yellow) Phosphorus
11. Cowries.

The Customs Tariff Proclamation 1911.

Given under my hand and the Seal of the PROTECTORATE of NORTHERN NIGERIA this 16th day of June in the year of our Lord, one thousand nine hundred and eleven.

C. L. TEMPLE,
Acting Governor.

THIS PRINTED IMPRESSION has been carefully compared by me with the Proclamation which has been approved by the acting Governor and found by me to be a true and correct printed copy of the said Proclamation.

G. R. MATTHEWS,
Acting Chief Secretary.





A PROCLAMATION.

Enacted by the acting Governor of Northern Nigeria.

C. L. TEMPLE,
Acting Governor.



A PROCLAMATION to amend the Telegraphs Proclamation.

BE IT ENACTED by the acting Governor of Northern Nigeria as follows:—

1. This Proclamation may be cited as the Telegraphs Proclamation 1911, and shall be read and construed as one with the Telegraphs Proclamation.

Short title.

Amendment of No. 9 of 1910, Schedule, Chapter 54, Sections 17, 18 and 19.

2. The Telegraphs Proclamation is hereby amended (1) by substituting the word 'Resident' for the word 'Governor' wherever the word 'Governor' occurs in sections 17, 18 and 19 save and except in the penultimate line of section 18; and (2) by adding at the

The Telegraphs Proclamation 1911.

end of section 19 (2) the words " subject to the approval of the Governor."

3. This Proclamation shall commence and come into operation on the 15th day of July in the year of our Lord, one thousand nine hundred and eleven. Commencement.

Given under my hand and the Seal of the PROTECTORATE of NORTHERN NIGERIA this 16th day of June in the year of our Lord, one thousand nine hundred and eleven.

C. L. TEMPLE,
Acting Governor.

THIS PRINTED IMPRESSION has been carefully compared by me with the Proclamation which has been approved by the acting Governor and found by me to be a true and correct printed copy of the said Proclamation.

G. R. MATTHEWS,
Acting Chief Secretary.



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NO. 7.

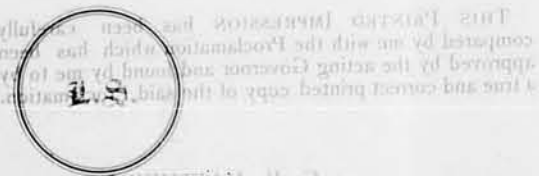
1911.



A PROCLAMATION.

Enacted by the acting Governor of Northern Nigeria.

C. L. TEMPLE,
Acting Governor.



A PROCLAMATION to amend The Native Revenue Proclamation.

BE IT ENACTED by the acting Governor of Northern Nigeria as follows:—

- Short title. 1. This Proclamation may be cited as the Native Revenue Proclamation, 1911.
- Amendment of 9 of 1910 Schedule Chapter 58. 2. The Native Revenue Proclamation is hereby amended by repealing section 24 thereof and substituting the following section:—
- Section 24. 24. Any person who shall refuse or persistently neglect to pay any tax or any portion of tribute for which he may have been assessed under this Pro

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The Native Revenue Proclamation, 1911.

1. This Proclamation shall commence and come into operation on the 15th day of July in the year of our Lord, one thousand nine hundred and eleven.

2. Any person who shall refuse or persistently neglect to pay any tax or any portion of tribute for which he may have been assessed under this Proclamation, or who shall incite any person to so refuse, or who shall conceal or fail to produce or notify any taxable property which he may possess or wilfully misrepresent in any way his taxable capacity, or who shall incite or assist any person to so conceal or fail to produce or notify any taxable property or to so misrepresent his taxable capacity, shall, on conviction, be liable to a fine not exceeding fifty pounds, with or without imprisonment not exceeding two years.

3. This Proclamation shall commence and come into operation on the 15th day of July in the year of our Lord, one thousand nine hundred and eleven.

C. L. TEMPLE,
Acting Governor.



A PROCLAMATION to amend The Native Revenue Proclamation. THIS PRINTED IMPRESSION has been carefully compared by me with the Proclamation which has been approved by the acting Governor and found by me to be a true and correct printed copy of the said Proclamation.

G. R. MATTHEWS,
Acting Chief Secretary.



A PROCLAMATION.

Enacted by the acting Governor of Northern Nigeria.

C. L. TEMPLE,
Acting Governor.



A PROCLAMATION to make provision for the prevention of the spread of leprosy within the Protectorate.

WHEREAS it is expedient to make provision for the prevention of the spread of leprosy within the Protectorate.

BE IT ENACTED by the acting Governor of Northern Nigeria as follows:—

Short title. **1.** This Proclamation may be cited as the Lepers Proclamation, 1911.

Definitions. **2.** In this Proclamation, unless the context otherwise requires:

The Lepers Proclamation 1911.

"Leper" means any person suffering from any kind of leprosy, and includes any person lawfully detained as a leper;

"Registered Medical Practitioner" means any person who has been registered in accordance with the requirements of the Registration of Medical Practitioners and Dentists Proclamation;

"Community" includes house, family, town, village and quarter of a town or village.

3. (1) Whenever a Resident has good reasons to suspect that a person within his province alleged to be a leper, is a leper, such Resident, may hold an enquiry and if he is satisfied that the alleged leper is a leper, he may by warrant commit such leper to the custody of any person or community or to any place within his province, which he, in his discretion and with the approval of the Governor, may think fit, there to be detained until discharged by the Governor under the provisions of section 10; and any person or native community bound by law or custom to maintain such leper shall pay every month during the detention of such leper, any sum for his maintenance which the Resident, having regard to all the circumstances of the case, shall direct.

(2) No warrant for the removal or detention of any leper under this section shall issue if the leper or alleged leper shall, in the opinion of the Resident, be able to provide for himself, at his own place or abode, effective isolation, but in every such case it shall be lawful for the Governor to prescribe rules for observance by such leper or alleged leper in order to secure such isolation.

Any leper committing a breach of any rules so made by the Governor may be dealt with under sub-section (1) of this section.

Until further or other provision be made hereunder the rules contained in the schedule hereto shall be and remain in force.

4. Whenever it appears to the Governor that a person, alleged to be a leper, is a source of danger to the public health, it shall be lawful for the Governor to direct any Resident to cause such person to be brought before him upon a summons or by warrant and to enquire

The Lepers Proclamation 1911

whether such person is a leper, and whether, having regard to his condition and his mode of living and all the circumstances of the case, his detention in any place is necessary for the preservation of the public health, and, if such Resident shall find that such person is a leper and that his detention in a place is necessary for the preservation of the public health, such Resident may act in accordance with the provisions of section 3.

Detention of
vagrant lepers.

5. Whenever any person is convicted under section 222 (a) of the Criminal Code and a Resident is satisfied that the person so convicted is a leper, such person may be committed by the Resident by warrant to any place within his province, there to be detained until discharged by the Governor under the provisions of section 10.

Compulsory
notification of
suspected
lepers.

6. Every person residing in any house used for human habitation who knows or has good reasons to suspect that any inmate therein is a leper, and every person who knows or reasonably suspects that any person employed by him is a leper, shall give notice thereof to the nearest Resident, who shall thereupon act in accordance with the provisions of section 3.

Neglect to give
information
penalty.

Every person wilfully neglecting to give such information as aforesaid or neglecting to report the same shall be guilty of an offence and shall be liable, on conviction, to a fine not exceeding £5.

Prohibition of
certain callings
to lepers.

7. (1.) No leper shall carry on any of the trades or callings enumerated in the schedule to this Proclamation, and any person who shall knowingly employ a leper to carry on any trade or calling in contravention of this section shall be liable on contravention to a fine not exceeding £5, or to imprisonment for a term not exceeding one month.

Penalty.

Governor may
add to
Schedule.

(2) The Governor may by order add any trade or calling to the schedule or remove any trade or calling from the schedule, or may make such exceptions, qualifications and conditions under which any trade or calling may be carried on as the Governor may think fit.

Lepers
prohibited
from entering
Protectorate.

8. (1.) No leper who is not a native of the Protectorate shall enter the Protectorate from any place outside the Protectorate.

The Lepers Proclamation 1911.

(2) Any person who conveys or assists in conveying into the Protectorate, whether by land or water, or who procures, induces or assists to enter the Protectorate any non-native of the Protectorate whom he knows or has reasonable grounds for believing to be a leper, or by due enquiry could have ascertained to be a leper, shall be liable on conviction to a fine not exceeding £100.

Penalty for
permitting
landing.

9. (1) Every leper landing or entering the Protectorate in contravention of section 8 may be arrested by any member of the Police or officer of Court without a warrant and brought before a Resident, who may examine such leper and any witness on oath touching the place from which such leper was brought into the Protectorate and may cause such leper to be removed to the place from which he was brought.

Power to
return lepers
unlawfully
landing to
place from
which they came.

(2) Such Resident may by warrant direct the detention of such leper in any suitable place in his province until he is removed from the Protectorate or until he is discharged by the Governor under the provisions of section 10 from such place.

Temporary
detention of
lepers unlawfully
landing.

(3) The cost of and incidental to such detention and removal shall be borne and paid by the person or persons or any one or more of them who conveyed or assisted in conveying such leper into, or who procured induced or assisted such leper to enter the Protectorate as aforesaid.

Cost of detention.

10. The Governor in the exercise of his discretion may in writing direct the discharge from any place or the removal from one place to another of any person detained therein as a leper under the provisions of this Proclamation. The Governor shall in like manner direct the discharge of any person detained whenever a registered medical practitioner certifies in writing that such person so detained is cured of his leprosy.

Power of
Governor to
discharge
persons detained
as lepers.

11. (a) No alleged leper shall be convicted of an offence under this Proclamation or shall be committed to any place or removed from the Protectorate under the provisions of this Proclamation, and no person shall be convicted of any offence with respect to the landing or

Proof of leprosy.



The Lepers Proclamation 1911.

may direct in satisfaction of the whole or part of any sum paid by him under any judgment of the Court for or in respect of such maintenance.

Powers of
Residents
at enquiries.

20. For the purposes for any enquiry under this Proclamation every Resident shall have the same powers of summoning and examining witnesses, enforcing their attendance, administering oaths, taking affirmations, and issuing and serving process as in criminal cases triable summarily.

Commencement.

21. This Proclamation shall commence and come into operation on the 15th day of July in the year of our Lord, one thousand nine hundred and eleven.

THE SCHEDULE.**1. Trades or callings prohibited to lepers.**

Baker.
Butcher.

Cook, or any trade or calling in which the person employed handles or comes in contact with articles of food or drink, drugs, medicine, or tobacco in any form.

Fishmonger.
Washer.
Bootmaker.

Tailor, or any trade or calling in which the person employed manufactures, handles, or comes in contact with wearing apparel.

Barber, or any other similar trade or calling in which the person employed necessarily comes in contact with other persons.

Domestic servant.
Nurse.

Dairyman, or any situation or calling in which the person employed comes in contact with cows or other animals, kept for the purpose of furnishing milk.

*The Lepers Proclamation 1911.***2. Rules for the better ensuring of effective isolation of lepers under section 3 (2).**

1. A leper permitted to isolate himself at his own expense must not engage in any of the trades or callings prohibited under the Proclamation.

2. A leper may employ an attendant.

3. He must not expose his leprosy to the public view.

4. He must

(a) avoid coming into direct contact with any other person;

(b) see that his clothes are washed separately from those of other persons, and within the precincts of his residence;

(c) use no other utensils but his own for cooking and eating;

(d) destroy by fire all "dressings" for ulcers that have been used by him.

Given under my hand and the Seal of the PROTECTORATE OF NORTHERN NIGERIA, this 16th day of June in the year of our Lord, one thousand nine hundred and eleven.

C. L. TEMPLE,
Acting Governor.

THIS PRINTED IMPRESSION has been carefully compared by me with the Proclamation which has been approved by the acting Governor and found by me to be a true and correct printed copy of the said Proclamation

G. R. MATTHEWS,
Acting Chief Secretary.



The Minerals Proclamation (9 of 1910 Schedule. Chapter 64.)

The rules and regulations contained in the schedule to the above mentioned Proclamation are hereby amended as follows:—

Rule 4. (2) is amended by substituting the words "three plans" for the words "a sketch plan" at the commencement thereof.

Rule 12. (b) is amended by inserting the words "in triplicate" after the words "a map" at the commencement thereof.

Dated the 21st day of April 1911.

C. L. TEMPLE,
Acting Governor.

Notification under the Fugitive Criminals Surrender Proclamation (9 of 1910. Schedule. Chapter 14.)

It is hereby notified for general information that, under and by virtue of the powers conferred upon him by section 2 of the above named Proclamation, His Excellency the Acting Governor has been pleased to direct that the following shall be withdrawn from the list of states set forth in the third schedule to the said Proclamation viz:—

BELGIUM
BRAZIL
NETHERLANDS
PORTUGAL:

and further to direct that the following shall be added to the said list viz:—

The PROTECTORATES OF GERMANY.

Dated this 7th day of June 1911.

G. R. MATTHEWS,
Acting Chief Secretary.

The Traders Licence Proclamation. (9 of 1910. Schedule. Chapter 27.)**REGULATION AS TO FEES.**

The fees to be charged for licences shall be as stated on the Forms set out in the schedule to the Proclamation: provided that in the case of licences granted after the 30th day of June half only of the amount stated shall be charged.

Dated the 13th day of June 1911.

C. L. TEMPLE,
Acting Governor.

The Firearms and Ammunition Proclamation (9 of 1910 Schedule. Chapter 32.)

The regulations contained in the second Schedule to the above-named Proclamation are hereby amended as follows:—

Regulation 4 is revoked and the following is substituted therefor:—

4. Under Sec. 22 of the Proclamation the following Officers are appointed registrars of arms, with power to grant permits under the provisions of the Proclamation viz:—

In Provinces where there is no detachment of Police—The Resident.

In other Provinces and in the Cantonments of Zungeru and Lokoja—The District Superintendent of Police.

No permit not being a permit to bear flint locks with unrifled barrels shall be granted to a native without the previous consent in writing of the Governor.

For the purposes of this regulation the term "native" shall mean a native of tropical Africa which shall mean and include all that part of the African continent lying between 20th degree N. Latitude and the 22nd degree S. Latitude.

Regulation 5 is amended by substituting the word "registrars" for the word "Residents" in line 2 and Form F. appended to the regulations is amended accordingly and shall in future be known as Form F.F.

The Customs Proclamation, (9 of 1910 Schedule. Chapter 22.)

The following stations are declared to be customs stations in substitution for the list of stations set out in paragraph 2 of the first schedule to the Proclamation as amended by Government Notice of the 2nd January, 1911. (See Gazette Extraordinary of that date):—

Province.	Customs Stations.
Bassa.	Ejuli.
Bornu.	Geidam, Mongou, Maiduguri, Nguru.
Ilorin.	Ilorin, Offa, Bude Egba.
Kabba.	Lokoja, Gori.
Kano.	Kano, Katsena, Gummel, Barbara, Zongo.
Kontagora.	Hesha, Fort Goldie, Yashikera.
Muri.	Beli, Takum.
Sokoto.	Bernin, Kebbi, Argungu, Godabawa, Isa, Ilo.
Yola.	Yola, Uba.

Dated the 9th day of May, 1911.



Northern Nigeria Gazette.

VOL. XII.

FRIDAY, JUNE 30, 1911.

NO. 6.

Government Notices.

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Coronation Durbar.

HIS Excellency the Acting Governor, accompanied by a large staff of Civil and Military Officers, proceeded to Zaria and held a Durbar on the 22nd of June, the date of Their Majesties Coronation.

A short account of the Durbar will be found in the Supplement to this Gazette.

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THE following telegram, despatched by His Excellency the Acting Governor to the Right Honourable the Secretary of State for the Colonies on the 21st of June, is published for general information:—

"His Majesty's loyal subjects and the Emirs and Chiefs of Northern Nigeria assembled at Zaria tender respectful homage and assurance of devotion to his Throne and Person on the solemn occasion of Their Majesties' Coronation."

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Coronation Honours.

THE Acting Governor has much pleasure in announcing that His Majesty the King, on the occasion of His Coronation, has been graciously pleased to confer the honour of Knight Bachelor on EDWIN ARNEY SPEED, Esquire, Chief Justice; and a Companionship of the Most Distinguished Order of Saint Michael and Saint George on MARCUS HENRY DE LA POER BERESFORD, Esquire, I.S.O.

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THE Acting Governor has much pleasure in announcing that His Majesty the King has been graciously pleased to approve of the presentation to the Government of Northern Nigeria of a copy of the State Portrait of himself and that of Her Majesty the Queen in commemoration of Their Majesties Coronation.

The Secretary of State, in communicating the above, points out that it is possible that some time must elapse before the portraits are ready for presentation.

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HIS Excellency the Acting Governor directs it to be notified that he has cancelled the Commissions appointing the following gentlemen to be Justices of the Peace:—

Sydney Firth, Esq., District Engineer, No. 3 Division, Lagos Railway Northern Extension.
A. G. S. Seymour, Esq., District Engineer.
C. E. J. Bell, Esq., District Engineer, Zungeru Link Railway.
W. C. Bostock, Esq., District Engineer.
E. M. Bland, Esq., Executive Engineer, Baro-Kano Railway.
G. S. Chisholm, Esq., Assistant Engineer, Baro-Kano Railway.
L. H. L. Huddart, Esq., Government Inspector of Mines.
C. O. C. Hayes, Esq., Assistant Engineer, Baro-Kano Railway.
William Tresider, Esq., Acting Accountant, Lagos Railway Northern Extension.
W. H. F. Hill, Esq., District Engineer, Lagos Railway Northern Extension.
Captain H. O. Mance, D.S.O., R.E. In charge Platelaying Party, Baro-Kano Railway.
A. Sydney Collard, Esq., District Engineer, Baro-Kano Railway.

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Telegrams to Kabba.

IT is notified for general information, and to prevent duplication of telegrams, that there is no telegraph Office at Kabba. Telegrams have to be carried by the ordinary mail runner once a fortnight. When possible the Resident of Kabba runs a subsidiary mail which assists matters, but a telegram to Kabba unless it is despatched immediately on receipt by special runner cannot elicit a reply for 8 or 10 days at least.

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The Native Liquor Proclamation.

(9 OF 1910. SCHEDULE. CHAP. 57.)

UNDER the provisions of the above named Proclamation all camps wherein Europeans are temporarily domiciled, mining camps and the area situated within a radius of ten miles from the Post office Naraguta are hereby declared to be stations for the purposes of the Proclamation.

Dated the 28th day of June, 1911.



In Northern Nigeria, the frontier of which is some day's journey inland from the coast, a special concession is made by which, for the purpose of reckoning the amount of leave due to an officer, residential service is taken to begin on the day on which he arrives at Burutu, at the mouth of the Niger, and to end on the day preceding that on which he leaves Burutu for England; but officers will not as a rule be allowed to proceed on leave till they have completed a full tour of service at their stations.

3. Pensions and gratuities on retirement from the service are granted in accordance with the regulations*, copies of which are supplied to candidate selected for appointment and may be seen on application at the Colonial Office.

4. The Colonial Regulations (Nos. 53 to 73) specify the proceedings which are taken in a Colony when the Governor deems it necessary to suspend the holder of a permanent appointment with a view to his removal from the service; but it must be understood (Colonial Regulation No. 50) that all appointments in a Colony or Protectorate are held subject to the pleasure of the Crown, and that the pleasure of the Crown that an officer should no longer hold an appointment may be signified at any time through the Secretary of State, in which case no special formalities are required, and no notice need be given.

5. It must also be understood that the holder of any office may be required to discharge temporarily any duties upon which the Governor may think it desirable to employ him, and that it will be within the Governor's discretion to station him wherever the Governor may consider that his presence will be most useful. He is also liable, while on leave of absence, to be employed in the United Kingdom without extra remuneration if the Governor or the Secretary of State should think it desirable in the interests of the public service.

6. Half salary begins on the date of embarkation in England on first appointment, and full salary from the date of arrival in the Colony or Protectorate.

7. Increments of salaries are payable only when the services of an officer, during the period of employment qualifying for increment, are approved.

8. A duty allowance is attached to some appointments. This allowance is payable to the holder of the office only while he is actually performing its duties, and during his absence or incapacity it is paid, at the discretion of the Governor, to the officer performing them for the time being. Duty allowance is not a pensionable emolument.

9. Officers may be required to give security for such amounts and in such manner as the Governor may direct, in respect of the pecuniary responsibility, if any, attaching to their employment.

10. Information as to the payment of officers' salaries or of monthly remittances to persons in this country may be obtained from the Crown Agents for the Colonies, Whitehall Gardens, S.W.

11. Quarters, free of rent (but not of rates and similar outgoings) for single men are provided, or an allowance is given in some cases in lieu of quarters. Accommodation for European women is in many places, especially in Northern and Southern Nigeria, not available; and the conditions of life are generally unsuitable to them. Officers therefore should not take their wives out with them until they have acquired experience of the local conditions and have

* African West No. 748.

ascertained the views of the Governor on the subject. They may not in any circumstances be accompanied by their children. No passages for wives are provided at the public expense, under the rules of the West African Service.

12. Officers will hold their appointments in the first instance on probation for three years from the date of their first arrival in the Colony or Protectorate, but this condition may be waived in the case of officers transferred from a pensionable appointment in the service of the Crown.

13. During this period, the Governor will have full power, subject to the confirmation of the Secretary of State, to cancel the appointment at any time if the officer has been guilty of any misconduct, or if the Governor is satisfied that he is inefficient and that his inefficiency is due to his own negligence or default; and in that event the officer will not be entitled to a free passage back to England, or to any leave of absence or pay after the date of the letter by which the cancellation is notified to him.

14. If the officer is at any time pronounced physically unfit for further service, his engagement may be terminated on that ground at the end of such leave of absence as may be granted to him under the regulations.

15. It will also be within the power of the Governor to give notice of the determination of the probationary engagement at any time during the three years, without assigning any reason, on giving the officer a free passage back to England and leave of absence with full pay for the time necessarily spent on the voyage and for a further period which shall be reckoned at the rate of five days for each completed month of residential service but shall not in any case be less than one calendar month.

Notice without assignment of a reason may also be given to an officer while on leave of absence, in which event he will be allowed to complete the leave of absence, other than return leave, granted to him; but in no case will such notice be less than one calendar month.

16. If at the end of three years from the date of first arrival in the Colony or Protectorate the officer's appointment is confirmed on the recommendation of the Governor approved by the Secretary of State, but not otherwise, he ceases to be on probation and becomes eligible for pension or gratuity on retirement in accordance with the regulations.

Application for such confirmation should be made by the officer himself to the Governor, through the head of his Department, at least three months before the expiration of the three years.

17. Officers, with a few exceptions, are required to pass such tests in native languages as are prescribed by the local regulations of the Colony or Protectorate to which they are proceeding. Failure to pass the required tests in the period allowed will render an officer liable to have his appointment cancelled or his increments withheld; and promotion will also be dependent on passing in a language, and will only be provisional until the tests have been passed.

In Southern Nigeria, Assistant District Commissioners are required, before the receipt of their third annual increment to pass a local examination in law, the Colonial Regulations, and the Government Circulars or General Orders.

18. Every officer selected for appointment is required to have himself re-vaccinated before proceeding to West Africa, unless one of the Medical Advisers of the Colonial Office certifies in any particular case that this is unnecessary.

19. In the absence of a statement to the contrary, it will be assumed that a selected candidate has no objection to conforming to the usual measures for the prevention and treatment of tropical disease, including the use of quinine.

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Hausa Examination.

UNDER the provisions of Government Standing Order No. 72 the undermentioned officers passed:—

COLLOQUIAL TEST.

Lieut. M. W. Graham, 1st Bn. N. N. Regt., dated 27th May, 1911.

Capt. R. W. Fox, 2nd Bn. N. N. Regt., dated 29th May, 1911.

Lieut. H. H. Baxter, Artillery, N. N. Regt., dated 29th May, 1911.

LOWER STANDARD PROGRESS EXAMINATION.

Lieut. C. H. Ching, 2nd Bn. N. N. Regt. (obtained 90% of marks in the extempore translation Hausa into English,) dated 22nd March 1911.

HIGHER STANDARD PROGRESS EXAMINATION.

Mr. H. M. Frewen, Asst. Resident 8th April, 1911.

Mr. J. Withers Gill, 3rd class Resdt. 8th April, 1911.

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EXAMINATION FOR PROMOTION OF OFFICERS.

AT the examination held at Zungeru on the 9th and 10th June, 1911, the undermentioned officers passed in subject (c) (i) (ii) (iii) and (iv) for promotion to rank of Captain:—

Lieut. (local Captain) N. B. Robertson, Royal Field Artillery—(Artillery, N. N. Regt.)

Lieut. M. W. Graham, Royal West Kent Regt.—(1st Bn. N. N. Regt.)

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Extracts from London Gazette.

THE following extracts from the London Gazette are published for information:—

Gazette dated 19th May, 1911.

INFANTRY.

The Duke of Cambridge's Own (Middlesex Regiment.)

The undermentioned Second Lieutenant to be Lieutenant.

Dated 1st April, 1911:—

Walter E. Williams, and to remain seconded.

Gazette dated 2nd June, 1911.

Princess Charlotte of Wales's (Royal Berkshire Regiment.)

The undermentioned Lieutenant to be Captain.

Dated 3rd June, 1911:—

Henry H. Shott, D.S.O., and to remain seconded.

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RISE AND FALL OF THE RIVER BENUE FOR THE MONTH OF APRIL 1911.

Date.	RIVER BENUE.	
	1st.	ARRIVE.
	Rise Fall.	Rise Fall.
Week ending 1st	2 —	3 —
" " 8th	2½ 2½	9 1
" " 15th	2½ 1	9 —
" " 22nd	4 —	— 17
" " 29th	6½ —	10 3
" On the 30th	½ —	6 —
Net Rise	1 ft. 2½ ins.	1 ft. 4 ins.

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Errata.

The appointment of Mr. M. L. Liddard, is 3rd class Resident, and not as stated in Gazette No. 3 of 1911, page 49.

Hausa Examination. Messrs Hermon Hodge and St. C. E. Stobart, Assistant Residents, passed in "Lower Standard Hausa Examination Progress and Final," and not as stated on page 100 of Gazette No. 5 of 1911.

The date on which Mr. Alex. Farquhar, Engineer, Dredger "Quorra," sailed from Burutu, is 1st August 1910, and not as stated in Notice No. 216 of Gazette No. 5 of 1911; therefore the leave granted to this official should read 4 months and 24 days.

In Notice No. 219 of Gazette No. 5 of 1911 Mr. Lalli Moshi, Assistant Labour Master. For Prisons Department read Cantonment Magistrate's Office.

The return leave granted Lieut. G. Bonham Carter, is cancelled and not as stated in Notice No. 228 in Gazette No. 5 of 1911.

Sergt. E. M. Watts, is transferred to the 2nd Bn., N. N. R., and not as stated in Notice No. 232 in Gazette No. 5 of 1910.

Mr. H. S. W. Edwards, 3rd class Resident, passed the "Final Examination Lower Standard, Hausa" on 4th January 1911, and not as stated on page 67 of Gazette No. 4 of 1911.

The date that Mr. Assistant Resident J. F. J. L. Fitzpatrick, passed Hausa Progress Examination Lower Standard is 22nd March 1910, and not as stated on page 94 of Gazette No. 4 of 1910.

The extension of leave for 2 weeks granted to Mr. E. P. Benin, Pay Clerk, 4th Grade, 1st Bn. N. N. Regt., which appeared on page 84 of Gazette No. 4 of 29th April, 1911, is cancelled.

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Allowance of Proclamation.

THE Right Honourable the Secretary of State for the Colonies has informed the Acting Governor that His Majesty will not be advised to exercise his power of disallowance with respect to the undermentioned Proclamation of Northern Nigeria.

No. 3 of 1911 entitled "A Proclamation to amend the Criminal Code Proclamation."

By His Excellency's Command,

G. R. MATTHEWS,
Acting Chief Secretary.

The Chief Secretary's Office,
Zungeru, Northern Nigeria,
30th June, 1911.

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Commission.

The following Commissions have been issued:—

Name.	Appointment.	Nature of Commission.	Province.	Period.	Date of Commission.
Mr. H. W. Langworthy ...	Assistant Resident ...	To exercise full Judicial powers of a Resident in charge of Province	Niger ...	Whilst in charge of Bida Division ...	22nd May 1911.

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Powers of Commanding Officer.

Under the provisions of Proclamation No. 9 of 1910 Schedule, Chapter XVIII, section 40, the Commandant, Northern Nigeria Regiment, West African Frontier Force, has, with the concurrence of the Governor, conferred the Powers of Commanding Officer on the following officer:—

Rank and Name.	Unit.	Whilst commanding Detachment at	Date of Warrant.	Remarks.
Captain W. J. Maule ...	1st Bn., N N. Regt ...	Kano ...	1st June 1911.	

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Appointments and Assumption of Duty.

Name.	Appointment.	Department.	Date of Appointment.	Date of Assumption of Duty.
Captain F. C. Goulden ...	Quartermaster 1 N.N.R., to act as Cantonment Magistrate, Zungeru ...	Cantonment Office ...	19th April 1911...	19th April 1911.
Mr. A. H. Hodges ...	Assistant Treasurer, to act as Assistant Postmaster General ...	Posts and Telegraphs ...	31st May 1911 ...	31st May 1911.
Mr. Paul Alexander Anderson ...	Asst. Engineer, P. W. Dept., to act as Cantonment Magistrate, Zungeru ...	Cantonment Office ...	16th June 1911 ...	16th June 1911.
Mr. John Crank ...	Platelayer ...	Baro-Kano Railway ...	24th May 1911 ...	10th June 1911.
NATIVE STAFF.				
Mr. Robert Cobblah Quartey ...	4th Grade Clerk ...	Treasury ...	6th May 1911 ...	Engaged locally.
Mr. Enoch Ernest Kweku Addo ...	do. ...	Provincial Administration ...	18th May 1911 ...	do.
Mr. Lewis Nicol ...	do. ...	do. ...	5th June 1911 ...	do.
Mr. George Temple ...	do. ...	do. ...	19th June 1911 ..	do.

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Promotions.

Name.	Appointment.	Promoted to.	Department.	With effect from.
Mr. C. J. Caudell ...	3rd Grade Assistant Accountant ...	2nd Grade Assistant Accountant ...	Baro-Kano Railway ...	14th April 1910.
Mr. T. J. Waters ...	3rd Grade Assistant Engineer ...	2nd Grade Assistant Engineer ...	do. ...	8th Sept. 1910.
Capt. T. O. B. O. Ruthven ...	Asst. Locomotive Superintendent ...	1st Grade Assistant Loco. Supt. ...	do. ...	4th Dec. 1910.
Mr. J. P. Coatsworth ...	1st Grade Foreman of Works ...	Leveller ...	do. ...	1st Jan. 1911.
NATIVE STAFF.				
Mr. V. S. Williams ...	3rd Grade Clerk ...	2nd Grade Clerk ...	Cantonment Office ...	1st April 1911.

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THE NORTHERN NIGERIA GAZETTE.
JUNE 30, 1911.JUNE 30, 1911.
THE NORTHERN NIGERIA GAZETTE.
OFFICIAL 161

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WEST AFRICAN FRONTIER FORCE.
Appointments and Assumption of Duty.

Rank and Name.	Appointment.	Unit	Date of Appointment.	Date of Assumption of Duty.
Lieutenant M. H. S. Willis ...	Adjutant ...	1st Bn. N. N. Regt. ...	29th Nov. 1910.	—

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Resumption of Duty.

Rank and Name.	Appointment.	Unit.	Date.
Lieutenant C. A. S. Carleton ...	Company Officer ...	1st Bn. N. N. Regt. ...	3rd June 1911.
Lieutenant P. F. Keene ...	do. ...	do. ...	10th June 1911.
Lieutenant C. H. Fowle ...	do. ...	2nd Bn. N. N. Regt. ...	24th June 1911.
BRITISH N. C. Os. Sergeant H. G. Glogg ...	2nd Rating Sergeant ...	2nd Bn. N. N. Regt. ...	3rd June 1911.
Armourer Sergeant W. A. Jones ...	Armourer Sergeant ...	Mounted Infantry, N. N. Regt. ...	24th June 1911.

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Re-absorptions.

Rank and Name.	Appointment.	Unit.	Date of re-absorption into British Regiment.
BRITISH N. C. O. Sergt. C. Howse ...	1st Rating Sergeant ...	Artillery, N. N. Regt. ...	5th June 1911.

WEST AFRICAN FRONTIER FORCE.
Leave of Absence.

268 LEAVE has been granted to the undermentioned Officers, as regards those proceeding to England, from the date of the arrival at its first port of call in the United Kingdom of the steamer which left Burutu on the date mentioned and for the period specified in the schedule below. As regards the Native Staff, from the date of the arrival of the steamer at the port mentioned in the "Remarks" column.

Rank and Name.	Unit.	Description of Leave.				Date on which steamer left Burutu.	Remarks.
		Vacation.		Return.			
		Months	Days	Months	Days		
Lieut. N. K. Street ...	2nd Bn., N. N. Regt. ...	2	—	2	—	7th June 1911	Full salary.
Lieut. M. W. Graham ...	1st Bn., N. N. Regt. ...	2	—	2	—	28th June 1911	do.
Lieut. L. G. Moore ...	do. ...	2	30	2	—	do.	do.
Lieut. O. Oakes ...	2nd Bn., N. N. Regt. ...	2	20	2	—	do.	do.
BRITISH N. C. Os.							
1st Rating Sergt. J. Long ...	2nd Bn. N. N. Regt. ...	2	—	2	—	7th June 1911	Full salary.
2nd Rating H. Lee ...	Mounted Infantry N. N. Regt. ...	2	—	2	—	14th June 1911	do.
1st Rating Sergt. S. J. Cole ...	2nd Bn. N. N. Regt. ...	2	—	2	—	28th June 1911	do.
2nd Rating Sergt. I. C. Turner ...	do. ...	2	—	—	—	do.	do.
<i>Invalided.</i> Armourer Sergt J. W. Swain ...	1st Bn., N. N. Regt. ...	—	15	—	—	21st June 1911	do.

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Extension of Leave.

Rank and Name.	Unit.	Period.	From.	To.	Remarks.
Lieut. D. K. McK. Herapath ...	Mounted Infantry, N. N. Regt. ...	2 months ...	5th June 1911	—	Ill-health. Half salary.
Lieut. F. R. Pollock ...	2nd Bn., N. N. Regt. ...	1 month ...	4th June 1911	—	do. do.
Capt. W. F. Gilchrist ...	1st Bn., N. N. Regt. ...	2 months ...	7th June 1911	—	do. Army rate.



(172)
SUPPLEMENT TO
The Official Gazette
 No. 6 OF 1911.

The Durbar at Zaria.

A DURBAR in honour of the Coronation of Their Majesties KING GEORGE V and QUEEN MARY was held at Zaria on June 22nd.

His Excellency the Acting Governor arrived from Zungeru by train on the 19th, and was met by the Emirs of Zaria and Katsina on the platform. A guard of honour under Lieut. Green, 1st Northern Nigeria Regiment, West African Frontier Force, received His Excellency on arrival.

From the 19th to the 22nd, Emirs, envoys and others arriving from all parts of the Protectorate, were met by the Emir of Zaria as host and escorted to their quarters in Zaria town. The Emirs of Kano and Katsina came in person. Sanda Kura and Abba Rufayi represented the Shehu of Bornu. The Dan Galladiman Waziri represented the Sarikin Muslimi. Other chiefs represented were Gando, Argungu, Katagum, Hadeja, Misau, Dambam, Jemaari, Kazauri, Daura, Bauchi, Gwombe, Kontagora, Sakaba, Busa, Kalamna, Yawuri, Bida, Agate, Lapai, Nassarawa, Abuja, Jemaar-n-Darroro, Muri, Yola, Bassa and Ilorin.

The morning of the 22nd was dull and wet. The five or six thousand horsemen present were clad in brilliant costumes, and it was a relief to all present when about 9 o'clock the sun came out. Many thousands of native spectators had mustered to the north of the race course, where the troops were paraded.

Some 140 European Officials and others had assembled at Zaria amongst whom were Sir E. A. Speed, Chief Justice, J. H. Bratt, Treasurer, J. Eaglesome, C.M.G., Director of Public Works and Railways, Lieut. C. Elliott, R.N.R., Marine Superintendent, G. Migeod, Collector of Customs, H. M. Woolley, Postmaster-General, E. H. Morris, Local Auditor, A. C. Ridsdale, Deputy Director of Public Works. Divine Service was held at 8 a.m., the Rev. J. Orr officiating.

When, at 9 o'clock, His Excellency the Acting Governor attended by Mr. M. J. D. Beresford (Acting Private Secretary) and Captain Gwynne-Howell (Intelligence Officer) rode on to the review ground the following troops were drawn up on parade under the command of the Acting Commandant, Lieut.-Colonel Mackenzie, D.S.O., 1 Battery Artillery Northern Nigeria Regiment (commanded by Capt. N. B. Robertson), 1 Company Mounted Infantry (commanded by Capt. J. B. Barnardiston, D.S.O.), 4 Companies Infantry, (commanded by Major R. McDouall, D.S.O.), and the massed bands of the 1st and 2nd Battalions, Northern Nigeria Regiment.

A salute of 21 guns was fired by the Artillery which was followed by a *feu-de-joie* and the playing of the National Anthem by the massed bands.

After the troops had marched past first in line and then in quarter column and had given three cheers for Their Majesties, His Excellency returned to the pavilion where the Europeans were seated to receive the salutations of the Native Chiefs, who were drawn up in crescent formation round the race course.

Upon the signal being given the representatives of each Emirate with their followers slowly moved round the whole perimeter of the ground and as they came to its northern edge facing the pavilion, rode forward in turn, walking, trotting and finally galloping, till in front of the pavilion they came to an abrupt halt, and brandished aloft their spears, following native custom of "jafi," as a salute to the Flag around which the Europeans were seated.

Among many brilliant costumes the Lifida (mounted men-at-arms) clothed, together with their horses, in cotton-quilted armour) and the yan Sulke, horsemen clad in coats of mail, of Zaria and Katsina were especially conspicuous and lent a mediæval appearance to the gathering. The three Emirs, though no longer in the prime of youth, yielded to none in the vigour of their charge and loyal enthusiasm.

Last of all came a swarm of primitive Zaria pagans, yelling and playing every variety of local wind instrument, wielding all manner of weapons and even tree branches, surging round the steps of the stand.

It was some two hours before all were past. The troops then formed a hollow square round the pavilion, and the Emirs and principal Envoys came forward to express to the Acting Governor their homage and loyalty to His Majesty and to present letters to the same effect from those chiefs who had not been able to attend in person. His Excellency made a few brief remarks in reply, explaining to them the significance of the ceremony and acknowledging on behalf of His Majesty their expressions of loyalty. The ceremony then terminated.

Festivities continued until the 27th of June, and included a Polo Tournament won by Zungeru "A" Team consisting of Mr. Massy, Mr. Symons, Mr. Radcliff, and Mr. Willis: an assault at arms by the West African Frontier Force, a Gymkana, a European race meeting, and a Native race meeting. At the latter a Cup presented by His Excellency the Acting Governor for a race for horses owned by Emirs was won by the Emir of Katsina.

The town of Zaria was visited officially by His Excellency and staff, the Heads of Departments, and a large number of officials, during the week. The route was lined by native horsemen, His Excellency being received at the gate of the Palace by the Emirs of Kano, Katsina and Zaria and a large concourse of natives.

On the night of the Durbar there was a fire-work display which created immense enthusiasm—not unmingled with awe—among the thousands who came to witness it.

By general consent the Coronation Festivities eclipsed any gathering which has been held in this country. There have been more numerous arrays of natives, but no gathering has ever been held where so many and such diverse elements have combined in a spontaneous expression of loyalty to the Crown and of goodwill to each other.

The Coronation Durbar at Zaria may be said in some ways to mark the beginning of a new era in the history of the Protectorate, an era when the Emirs and Chiefs of the Protectorate shall fully realize that in Sir F. Lugard's words they are citizens of 'no mean Empire.'

The Baro-Kano Railway was severely tested on this occasion. The arrangements throughout left nothing to be desired, and in spite of inclement weather and a great rush of traffic, a large number of officers baggage and troops were safely conducted to Zaria and back, without any accident or delay and moreover without interruption in the work connected with the Bauchi Light Railway. The Lokoja Company which left Zaria at 7 a.m. on Sunday reached Lokoja on Monday evening. I think this is a great proof of efficiency, and that Mr. Eaglesome and his staff may be justly congratulated on the excellent manner in which the transport was conducted.

THE following Press Notice on the work of the African Entomological Research Committee, a speech delivered by the Earl of Cromer at the Imperial College of Science and Technology and the Inaugural Lecture on applied Entomology given by Mr. H. Maxwell-Lefroy F. R. S. are published for general information:—

Press Notice

WITH a view to furthering the work of the African Entomological Research Committee, Mr. Andrew Carnegie has been good enough to place at its disposal a sum of £1,000 a year for three years to defray the cost of sending a few suitably qualified young men to the United States to study the practical applications of entomology which have received so much attention in that country. Three of these Carnegie Scholars, as they are to be called have been selected, and two of them are already at work in the States. The fact that Dr. L. O. Howard, Chief of the Bureau of Entomology at Washington, is personally interesting himself in the matter is a sufficient guarantee that all possible facilities will be given to the scholars, and it may be confidently expected that the scheme will be of great value to British administration in Africa and elsewhere by providing a body of well-trained entomologists available for employment in the services of the different Colonial Governments.

It may be mentioned that the Research Committee was appointed in June, 1909, by Lord Crewe, the then Secretary of State for the Colonies, with the object of promoting the study of the insects which play so prominent a part in the spread of disease among men, animals, and plants in Africa; that Lord Cromer is its President; and that it includes some of the most eminent authorities on entomology and tropical medicine in this country.

During the short period of the Committee's existence satisfactory progress has been made. The scheme has been energetically taken up by the African Colonies and Protectorates, and the large quantity of material already received at the Committee's Office in the Natural History Museum at South Kensington has very materially increased our knowledge of the insect pests of Africa. The collections of insects, after being properly identified and recorded, are being distributed to the Schools of Tropical Medicine, Universities, Museums, or other institutions where they are likely to be of value for the purpose of teaching or scientific study. Two skilled entomologists are being employed under the direction of the Committee in East and West Africa respectively, for the purpose of interesting and instructing the local officials in the work, and also of carrying out special investigations.

The Committee has issued quarterly a scientific journal, entitled the "Bulletin of Entomological Research," of which the first volume is just completed. It contains many important articles by well-known authorities, and is obtaining a wide circulation. Further particulars may be obtained from the Secretary of the Committee—Mr. Guy Marshall, British Museum (Natural History), South Kensington, London.

Colonial Office,
 23rd February, 1911.

SPEECH DELIVERED BY THE EARL OF CROMER AT THE IMPERIAL COLLEGE OF SCIENCE AND TECHNOLOGY, LONDON, ON THE 2ND MARCH, 1911.

The sole justification for my presence here this afternoon is that, knowing nothing of entomology, I was, somewhat on the *lucus a non lucendo* principle, invited by Lord Crewe, when he was Secretary of State for the Colonies, to preside over the Committee of Entomological Research. It was, I think, a happy inspiration of Lord Crewe to appoint this

Committee. I hope and believe that it will be able to render some valuable public services.

I think it may possibly be of some general interest if I state briefly what the Committee has done since its creation.

The objects of the Committee are to stimulate an interest in the study and observation of insects in general, and of noxious insects in particular, throughout our tropical Colonies, and thus gradually to organize a regular army of collectors and observers who will accumulate the information needed to enable us to cope with the numerous insect pests which cause disease and death amongst human beings and animals, and which also devastate the crops. Our two travelling entomologists have received instructions to traverse the whole of our Colonies and Protectorates in tropical Africa, and wherever they can find any official or other resident who desires to interest himself in these matters they supply him with the necessary apparatus for the work, and give such practical instructions as may be required. A preliminary survey of this kind has already been made throughout Northern and Southern Nigeria, Nyasaland, and a part of British East Africa. Our entomologists report that they are more than satisfied with the results so far achieved. Considering the paucity of the white population, the number of men who have volunteered to assist in our work is highly creditable to the Colonies concerned.

Considerable collections of insects likely to prove of great importance are now being regularly received at the office in the Natural History Museum which has kindly been placed at our disposal. Arrangements have been made with various specialists to identify all this material. Named specimens are then returned to the collectors for their future guidance, the remainder being distributed among the Tropical Schools of Medicine, Universities, Museums, &c.; in fact, wherever they are likely to be of value for purposes of instruction. The full development of an organisation of this kind must, of necessity, be slow, all the more so because the men who are doing the field work have, for the most part, had no previous training in entomology. Until recently this subject has not been taught seriously in any of our principal educational institutions. In view of the great importance of the subject, it is satisfactory to know that this defect is now being rapidly remedied. But even so, there is a tendency to treat the subject merely as a side issue in a general course of agriculture or medicine. There do not appear even yet to be any adequate facilities of study for the men who would desire to obtain a sound general training in entomology as a whole. The Imperial College of Science and Technology have therefore inaugurated courses of lectures for the express purpose of meeting requirements of this kind. There can be no question that the innovation is sound and valuable. It is to be hoped that the enterprise of those responsible for introducing it will receive the encouragement and support which it certainly deserves. The fact that the work has been placed in the very capable hands of Mr. Maxwell-Lefroy, Imperial Entomologist to the Government of India, who is about to address you, should ensure its success, for he has had great experience in the practical study of insect life, not only in India, but also in the West Indies.

There is another aspect of entomological instruction which is sadly in need of more attention in this country, though it is one which would perhaps hardly come within the scope of the College of Science. I allude to practical field training in the methods of combating insect pests of all kinds. Our deficiency in this kind of teaching is continually being brought home to the members of the Research Committee when applications are received from Colonial Governments and other Institutions, asking us to recommend the names of experienced economic

entomologists. It is perhaps not generally realised how extremely few in number are the young men trained in this country to whom that description could be properly applied. In these circumstances we have gladly accepted a very generous offer from Mr. Andrew Carnegie, who has kindly agreed for three years to defray the expenses incident on sending three or four young men, selected by the Committee, to the United States, in order that they may receive a thorough training in those practical methods of dealing with noxious insects which have been so successfully applied in that country.

It is to be hoped that the experiment may eventually lead to a more businesslike appreciation of the value of economic entomology in this country. The first step would be the establishment of experimental stations, where the value of such work could be practically demonstrated, and where men could get the requisite field training. Nor should there be any insuperable difficulty in gradually building up a system under which it would be possible for an agriculturist whose crops were suffering from some unknown or imperfectly known pest to send to the experimental station for the assistance of an expert. This expert might then undertake the work of exterminating or mitigating the pest, thus giving the farmer a practical training in the methods of coping with it. A reasonable fee would have to be charged for the service rendered. I fear, however, that such an institution could scarcely be expected, in the first instance at all events, to be entirely self-supporting.

With these preliminary observations, which I trust you will not consider out of place on the present occasion, I will now ask you to listen to Mr. Lefroy, with the confident assurance that what he has to say cannot fail to be of great interest.

INAUGURAL LECTURE.
(2nd March 1911).
APPLIED ENTOMOLOGY.

By H. MAXWELL-LEFROY, M.A., F.R.S., F.Z.S.,
Special Lecturer on Entomology, Imperial
College of Science and Technology, South
Kensington, Imperial Entomologist for India
(on leave).

This lecture is the first of a series dealing with general entomology, with special reference to the application of the science to agriculture, commerce, medicine, and sanitation. There is at present no one general course of lectures or training in entomology as a special subject given in England, and it is fitting that such a course should be initiated at the Imperial College of Science and Technology, whose function is to provide the highest instruction in branches of science which have practical application.

Entomology used to be concerned with the study of insects solely from the biological and systematic sides; that is, entomologists were more concerned with studying the habits of insects and with classifying them than they were with checking and controlling them or with exploiting them as part of the world's commerce. Even now the value of the economic entomologist and the part he plays in daily life is very little appreciated in this country; there is in England no Government Entomologist, no entomological experiment station, and no organisation which does for the country as a whole what economic entomologists do in India, in our Colonies, and in the United States. In order to make clear to you what function an entomologist serves, I must refer mainly to the work they do in our Colonies and in India, and as I have for eleven years worked in the West Indies and India as Government Entomologist, I can more easily select my illustrations from the work which I have seen myself in those countries.

Applied entomology, which is a development of pure entomology, deals with insects which affect man; the greater number of insects affect man

directly in no way at all; they have an indirect bearing on man, as they have their part to play in the economy of the earth; they scavenge and cleanse the earth; they pollinate flowers and make possible the fruiting of many plants; they populate all parts of the earth's surface, except the sea, and in numbers of kinds, as in actual abundance, they exceed all other forms of animal life visible to the naked eye. In these respects they are of interest but not of direct importance, and while the study of insects is a fascinating branch of natural history, there would not be any necessity to have economic entomologists if they did no more.

The study of the larger animals, of birds, of fishes, and of snakes, is intrinsically more interesting to the average zoologist and nature-student; their importance and influence on man are more obvious; and it is perhaps due largely to this that entomology has come to be a specialised branch of science, till now confined more to the differentiation and classification of the immense number of forms than to other branches of study; it is thus less developed from the economic and technical aspect than are other branches of zoology or the sister sciences of botany, chemistry, and electricity. It is only lately that the significance of the insect world has become apparent; and it is mainly owing to the immense importance of tropical entomology that the study of insects from the economic aspect has received its greatest impetus. The opening up to agriculture of new tropical countries, the increasing competition in the cultivation of tropical products, the discovery of the part played by insects in disseminating human disease, have brought entomology to the front, and have shown that, far from being a science concerned solely with the minute classification of interminable varieties and species, it is a science which has a great significance for man, and one which requires to be developed in serious earnest if we are to be in a position to harvest our crops, to cope with disease, and to populate tropical areas successfully. In closely cultivated countries with temperate climates, insects have not the significance that they have in tropical countries and in newly-planted areas, and it is perhaps due to this that in the study of economic entomology England is somewhat behind America and some other nations.

Out of the hundreds of thousands of kinds of insects which now live on the earth, a small proportion are of very vital importance to man, affecting his agriculture, his cattle, his merchandise, and causing or transmitting disease to man on a very large scale. It is these with which we are now concerned, and it is on their account that the economic entomologist comes to play so vital a part at the present day.

All plants, whether crop plants or wild plants, are affected by insects, which live on them, destroy them, lessen the value of their produce, and increase at their expense. In nature, this is limited and checked; but in cultivated crops, grown in blocks, under artificial conditions, these insects become abundant, increase beyond nature's due proportion, and take a very perceptible part of the crop.

It is not only as agents of destruction that insects have a great economic significance; large industries depend directly upon insect activities, and the useful insects are no small item in man's economy. Bees offer the most familiar example; the production of beeswax and honey is dependent upon a very few species of domesticated bee, which man has exploited and whose products have been obtainable in no other way. This is now a profitable industry to many thousands of beekeepers in practically every country, and the production of honey and wax is now carried on on a very large scale.

Silk is another very large insect industry, which has existed for centuries, but which has, in the last century, benefited enormously from the application

of scientific study. Silk is produced mainly by one species, formerly wild, now domesticated and also by a few wild species and some minor domesticated ones; the study of these insects by entomologists has had, and is having, remarkable results in the industry, and the production of silk is one of the big industries of the world which might be very much extended in the British Empire; the total production of the chief grade of silk, raw silk, is about forty million pounds annually, worth about twenty million pounds sterling, and there is also the waste silk, tussore, shantung, eri, and other kinds, totalling probably as much again.

Another industry which is less familiar is the shellac industry; lac is the resinous covering produced by a few species of scale insects living on trees in India, Burmah, and Malaya; the value of the production in India and Burmah exceeds three million pounds sterling annually, and no substitute for this insect product is as yet known. Scientific entomology is only now beginning to be applied to this insect, but there is a large field for research and improvement, and some progress has been made. Other minor insect industries there are also; the cochineal insect in dyeing, the blister beetles in medicine, the various insects used as food are examples, and there is a considerable trade in insects used as food for birds.

Nor is it certain that there are not great possibilities in the future; while science has to a large extent exploited the plant world for commercial products, little has been done systematically with insects, and while there are important insect industries in India, other tropical areas may have unexploited possibilities which the future will bring forward. The subject is so new, so little investigated, that it is impossible to say what products the systematic investigation of tropical fauna may bring out. There is here a large field for research and inquiry, and one in which England, with the vast tropical areas she is colonising and opening up, is particularly interested.

It is, however, from the destructive side that insects are of the greatest significance to man, and though the results of practical entomology are in a sense indirect they are of very great commercial importance. Cotton is a crop in which commerce is at present very deeply concerned and whose production in the Empire is being extended; in this crop destructive insects play a very great part; it is probable that were there no boll worms, no cotton stainers, no cotton caterpillars, the gross yield of cotton from the area now existing would, without further effort on man's part, be increased ten to twenty per cent; in Sind and the Punjab in one year the cotton crop failed wholly from the attack of the boll worm; the loss in cotton not produced was in excess of £2,000,000 sterling, and this was due solely to the work of one cotton pest. The same applies very markedly to cotton which is introduced into new localities or to new varieties introduced in new areas; the first trials of Egyptian cotton in many parts of India failed wholly from the unforeseen attacks of the pink boll worm; in the trials made of tree cottons in many countries it has been found that the pests are the factor determining success or failure. If the pests are neglected it is commercially impossible to grow tree cottons in India at the present time, and for want of realising this much money has been wasted; in every cotton-growing country insect pests are of the first importance, and no one growing cotton in any part of the world can afford to neglect them.

The same may be said of very many crops; every crop has its pests, and we have to deal with them efficiently if we are to cultivate crops as commercially successful undertakings. The pests may be virulent special ones, such as the woolly aphis of the apple, the phylloxera of the vine, the destructive moth of the potato; these limit themselves to special crops and, if not treated, the industries concerned are ruined. Or the pests may be general ones, such as locusts and swarming caterpillars, which attack almost all crops and which devastate large areas, appearing every few years in great abundance and doing great damage. In all countries crop pests are known, more so in the tropics and in countries where very large areas are given up to growing a few crops, as in the wheat areas of Canada, the cotton areas of the United States, Egypt, and India, the rice areas of India. In England the conditions of agriculture and climate, the dense cultivation, the high standard of cultivation, and the availability of scientific resources make such large attacks impossible, and we cannot quote striking cases, though the aggregate damage done to crops is still large; but in other countries, notably in the tropics, these attacks reduce the crops over very large areas, making systematic campaigns, carried on with all the available resources of Government, a necessity. In the Bombay locust outbreak of 1903-4 we spent £14,000 in fighting the pest; in Massachusetts on the gipsy moth campaigns as much as £20,000 to £40,000 were spent annually in checking the pest; and similar sums are spent—and are well spent—in similar campaigns in other countries. These sums are only a proportion of the loss these countries would otherwise sustain were these pests not checked, and we are not able to estimate the gross losses sustained by agriculturists throughout the world. A recent report puts the loss sustained in the United States, from the pear thrips, a minor pest, at one million dollars annually, and in the United States where the organisation of entomology renders figures available, the total loss from destructive insects is put at three hundred million dollars annually. In British India, the losses to the eight principal crops at a conservative figure amount to fifteen million pounds per annum, and to the country as a whole, in all crops, amount to well over double that amount.

Were these losses unpreventable, these figures would be of no value, but very largely the losses are preventable, either by the individual action of farmers themselves or by collective action on the part of the people, aided by Government. Whatever this action is, it must be founded on and guided by scientific entomology, i.e., on an accurate knowledge of the lives and ways of the insects causing the losses. Year by year the successes of entomology grow greater; a notable case is the success of the collective action of the South African Colonies against their locust; the migratory locusts of North India and the Bombay locust are now fought successfully; the potato moth, which in India and Australia did so much damage, has been checked by simple means within the reach of the cultivator; the phylloxera of the vine and the woolly aphis of the apple have been met by the introduction of resistant stocks on which the pests will not live; and if there are many cases where remedies or preventives are as yet beyond the reach of the farmer or where no profitable remedy has been discovered, there are far more cases where remedies or preventives are applied with profit and success.

I will quote a case where we have definite figures; in 1905 the cotton crop failed over 700,000 acres in the Punjab; eight districts reported no yield at

all, four reported a quarter crop, and one a crop a trifle over a half; in 1906 we adopted three remedies, impressing them on the cultivators with all the resources of Government but not actually spending any large sums of money; one remedy was a failure, two were successful. In 1906 the districts that had no yield in 1905 reported an average of 53 per cent, those with a quarter yield reported 62 per cent, and a loss of two and a half million pounds sterling was reduced to one of only seven hundred thousand pounds sterling in the next year, and the crop has since been normal. These remedies were not introduced into Sind, and, in 1906 the cotton crop there was again a failure till in 1907, we applied remedies and produced a normal state of things. We have campaigns of this sort going on year by year in India and in our Colonies, and it is this class of work that our entomologists are constantly engaged in. There are many problems to be solved, but the experience of the past has shown that the application of entomological science to similar problems has been very largely successful.

Nor is this sort of large combined campaign the only method that has proved successful; probably greater aggregate good is done by teaching farmers about their pests and by means of lectures, leaflets, and coloured illustrations, giving them reliable information, teaching them how their pests live, and giving them the best technical information about remedies and insecticides.

This is the main work of the economic entomologist, and the success of it depends upon its accuracy, its practical utility, and its being available to every farmer or planter who requires it. To do this work requires a thorough knowledge first of pure entomology; it is based upon a groundwork of thorough knowledge as a whole, and before any beginning can be made, very thorough training is required. It is this training which we hope to give, rendering available for England and the Empire men thoroughly skilled in entomology, able to apply themselves to practical problems without having to acquire a knowledge of entomology to begin with.

In other ways also, the influence of destructive insects is fully shown; our cattle and domestic animals suffer from insects in a very marked way; the warble in cattle is stated to affect over 48 per cent. of the hides exported from India, and the loss in the value of American cattle passing through Chicago in six months was put at over three million dollars; sheep suffer from maggots in the brain, horses from bots in the stomach, and most of our valuable domestic animals have parasites of one kind or another.

In forestry the influence of destructive insects is very marked; in nature, where the forest is undisturbed, matters adjust themselves to a large extent, but the earth is being cleared of natural forest and man is making forestry a business in which artificial conditions are established, the natural law is upset, the balance of life is altered, and outbreaks of insect pests become a very serious matter. The loss annually in American forests is put at twenty million pounds, and the losses in tropical forests are probably much higher; in planting and working large areas, in the preparation of working plans for felling and re-planting successive areas, the influence of insects and the methods of meeting them cannot be neglected, or the losses from this cause become enormous.

Nor is this loss confined to the growing plant or animal; from the time it is harvested to the time it is consumed, grain, timber, and foodstuffs must be

guarded and protected; the ravages of weevil in wheat and rice amount to a very serious total, especially in hot countries. In India, the loss in wheat amounts to over a million pounds sterling annually, and the loss in rice to probably three times that on the average. Flour, meat, dried fish, dried fruits, almost every form of food must be preserved very carefully if insects are not to infest it. We have had to deal with flour moth in flour mills, with beetles in brush factories, woollen clothing stores, and leather factories, with beetles in tobacco factories, and with boring beetles attacking bamboos, wood, and the like. In the tropics the white ant is a very destructive agent; a commission is working now on the railway sleeper problem in India, the white ants finding railway sleepers excellent food in some parts of the country, and this problem involves a very large amount of money. Every working entomologist has abundant experience of these and similar problems, and it is an important part of his work to cope with these pests.

Here in London, in a temperate climate, you will think I am drawing an exaggerated picture, but I am not doing so, and if I take my illustrations from the tropics very largely, it is because it is there the cases are the more striking and numerous, and because I have worked there so long. *The problem is the same here*, and the pioneer work in England of Curtis and Miss Ormerod in the last century showed what losses there were and started the development of the subject.

In all these cases, whether on crops, domestic animals, or stored products, there is but one way of meeting the problem, and that is, first study and then the application of common-sense remedies based upon that study. We can do nothing until we know our insects, know how they live, where they lay their eggs, how long the eggs take to hatch, where the grub lives, how it feeds, how long it lives, and every detail of its life from start to finish. That is a matter of scientific enquiry, and it is only on this knowledge that we can base our remedies or preventive measures and hope to either fight the pest or show farmers how to do it for themselves. We have to study the insect as a living being, to keep it in captivity and breed it, to watch it in the field, to find out its enemies, its peculiarities, and really know its life and habits at all seasons of the year before any progress is possible. There is no magic that we can use, no one perfect simple remedy that fits all cases, no universal insecticide; for each case careful study, then experiment in the field, and then, with the co-operation of the farmer, the testing and application of remedies on a large scale. It is with this that scientific entomology is concerned, and it is only in this way that progress is possible. In India the cultivator will tell you that the caterpillar that bores in his canes comes from the well water he irrigates with; a little investigation shows that the caterpillar comes from eggs laid in clusters on the leaves of the cane, and that, with some borers at least, these eggs can be cheaply and simply removed. This is a very simple instance of what I mean, by the study of the pests' habits, and every successful remedy or preventive is a similar instance. The economic entomologist does this only, and his object is to find a weak spot in the life history of the insect, where, by some simple measure or by some modification of the local agricultural practices, he can destroy the insect or make its occurrence impossible.

In all the cases I have mentioned up to now, insects affect man indirectly, but the last twenty years

have shown that insects have a great significance also as carriers of disease to man and to domestic animals, and we are here confronted with a very large and difficult problem. It is common knowledge now that malaria is communicated to man by the bite of one of several kinds of mosquitoes; to those who have lived in the tropics the significance of this will be obvious. Few Europeans in the tropics escape malaria; many die from it, and the mortality from malaria among Europeans and natives in a bad season may be awful. Since this discovery was made, it has been found that other diseases are carried by mosquitoes and other biting insects; yellow fever is carried by a mosquito common in the tropics, so is filariasis by other common mosquitoes; the rat flea is the agent which spreads plague; the tiny midge of the genus *Phlebotomus* carries Pappataci and similar fevers; the large flies of the genus *Glossina* carry sleeping sickness of man and similar trypanosome diseases of cattle, horses, and dogs. The common bed-bug is suspected, but not definitely convicted, of carrying kala azar and similar diseases. It is no exaggeration to say that these discoveries opened a new field, and when one considers the dreadful mortality these diseases cause, a very wide one. The significant point in attacking these diseases was thought to be the germ or organism carrying them; but the insect is now shown to be at least as important and, in many cases, a far more attackable point. Plague in India has been a terrible scourge and might be so in Europe; but the plague flea and the plague rat are far more easily controlled than is the plague germ, and it is on them that the spread of the infection depends.

Let us see what occurs in plague. A plague rat, that is a rat infected with the plague germ, is, we will say, let loose in London or anywhere you please; its fleas suck its blood and draw in the plague germ; the rat gets worse and dies. As its body gets cold, the fleas leave it to seek another rat or some other warm animal on which they can live; they bite that animal and give it plague also, thereby infecting other fleas, which leave that rat when it dies. Now, were these fleas only to bite rats, the disease would stop there, but they do not. They bite man also, incidentally, and he gets plague, and probably dies of it. That is why, in India, when rats begin to die, the people at once have to avoid being bitten by a flea from a dead plague rat, and if they are wise they leave their houses. Now, clearly, here one link is the flea, and we want to know all about it; where does the flea come from, where does it lay its eggs, how does the grub live, and so on. Instead of using disinfectants to kill the germ, which was supposed to live in the dirt of the house, we now use insecticides to kill the fleas and to prevent them breeding. One reason why Europeans in India seldom get plague is because they live in clean houses, where fleas cannot breed or live. If there is going to be an epidemic of plague in England, it is to the plague rat and the plague flea we must turn our attention.

The problem is, then, to a large extent an entomological one, and so, in all insect-borne diseases, it is the insect we have to study and to fight. Here again it is in the tropics more than in England that the work lies, and it is perhaps difficult for anyone who has not lived and suffered in the tropics to realise the immense importance of entomology in this respect. However one lives, mosquitoes and sandflies bite one, the flea comes off the dead rat and jumps on to one, the bed-bug lurks in railway carriages and public places, and there is no escaping

the ubiquitous disease-carrying insect: if it is bad for Europeans, it is worse for natives; since plague recommenced in India, in 1896, seven millions of people have died, people living in small houses, with little idea of sanitation, with small means, and no power of understanding what plague was or how it came. What precautions can they take against fleas, or how can they leave their homes and their work if rats begin to die round them? It is the same with malaria; in a bad season, as in the Punjab in 1908, and Behar in 1909, the mortality in the villages from malaria was truly awful. The mosquitoes can get to them and bite them; the one man who starts the infection may be the means of infecting scores of others, and so long as the mosquitoes last the epidemic continues unchecked. I wish I could paint a real picture of what these insect-borne diseases mean in the tropics and of the wastage of life they entail; when it is realised, one realises also the part the entomologist must come to play in the future, and the absolute necessity, if the tropics are to be opened up and cultivated, of this special kind of preventive entomology being adequately developed. If we are ever to colonise the tropics, if we are to people them with healthy races, to develop them agriculturally, and to render available the immense amount of raw material they are capable of producing for England's manufactures and trade, it will be only when we have organised the entomology and successfully tackled the insect transmitters of disease. A great deal has been done, especially on the medical side; the advances in tropical medicine of the last twenty years mark an epoch, but we are behind in our entomological organisation, and we want to take the matter more in earnest.

In England, if mosquitoes and sandflies do not bite, there are dangers of an equally serious nature from the house flies and flesh flies, which carry the typhoid germ. Flies which settle on food may carry and do carry germs on their feet and on their proboscis; the common fly should be vigorously exterminated and kept down, and in this respect there is very much to be done in this country.

Nor is it only the very vital demands of the present we have to look to. What does the future hold for us in this respect? Sleeping sickness has come into great prominence in the last few years, mainly because the areas in which the *Glossina* flies occur have been opened up and the disease has now affected persons not immune to it who were formerly not in reach of the infection; the opening up has increased the range of the disease. What is going to happen in the future as the tropics are opened up and rapid communication established to fresh tropical areas? Are we going to get more and more diseases communicated by insects, now confined to the tropical jungles, but brought within our range by increasing means of communication? Is the yellow fever going to reach Indo-China and India, for instance, by means of infected mosquitoes carried by ships from the Panama Canal when that is opened? The yellow fever mosquito is already in India, but not the germ, and while a yellow fever patient cannot carry it a mosquito might. Is the sleeping sickness transmitter going to spread? Is plague going to establish itself in Europe and carry off thousands and millions in England? These speculations are quite justified on the analogy of sleeping sickness alone, and it is essential to make sure that our entomology is up to the standard of our medicine, and when the time comes that we shall be ready to tackle the insect that transmits the disease.

I may seem to have overdrawn the picture of the importance of the insect world, but, truly, anyone who has lived in the tropics will know that I have not exaggerated. From the medical and sanitary point of view the entomologist is going to be very important, and in the last few decades the agricultural entomologist has already found his place. In the old days, the profits on tropical agriculture were very large and the losses were inappreciable; but that is so no longer. Larger areas are under sugar, tea, coffee, cocoa, and other products; the yields of wheat on virgin soils are no longer obtained, and the farmer all the world over has found he must look to the small percentage he loses to insect pests as representing a great part of his profits. He can neglect it no longer, and when he wants help it is to the official entomologist he must turn.

If we are to be ready it will be only if entomology in the British Empire is organised and developed in a better way than it is at present. In all branches of applied entomology, our chief need is trained workers, and it is a curious fact that though there are in the Empire more than thirty working economic entomologists, there is not in England any institution which trains economic entomologists or which gives a complete course of instruction in entomology. Our Colonies recruit their entomologists from America or take untrained men who get their training from experience, which is an expensive way. We should be able to recruit our men from England, as we do with all other branches of science, and it should be here in England that the training in entomology which must be acquired before any practical work is possible should be available. It is the object of the course which this lecture inaugurates to make a beginning with this training, and to try to do for England and the Empire what similar institutions have already been doing for years in America and other countries. It is the function of the Imperial College of Science and Technology to supply the highest technical instruction in science, and it is fitting that such an institution should provide training in a subject of such importance.

England has recently sent three students to America to be trained in economic entomology, through the generosity of Mr. Andrew Carnegie; but surely, seeing that our Empire has economic entomologists, and that our entomologists cope with as large problems as do the American Department, we should be able to provide the scientific training here in England and give our workers the special instruction required for coping with these problems in the tropical areas of the Empire. Work as good as any in America is being done in our Colonies and tropical possessions; we want a great deal before this work will be properly organised and carried on; we want larger means, more men, less overworking; we want to differentiate research from executive work, and not expect the same man to do research, teaching, executive work, and the administration of pests Acts; we want to develop a class of what we may call executive entomologists for organising and carrying on campaigns; we want co-operation between different parts of the Empire, between England and the Colonies; but our greatest need at present is a training institution, a source of supply of young men properly trained in entomology and specially selected for the peculiar qualifications required in the economic entomologist. We must continue to depend upon America or to trust to luck unless we have this, and it is our hope that we can provide such a course and that the scientific training can be given here. England is not behind in other

branches of entomology, and in the Colonies the work of practical applied entomology is as highly developed, considering the available resources, as it is in America; but we want to develop it in England, to organise the work, to provide a thorough course of training, and so be able to provide for England and the Colonies the trained men that are wanted now and that will still more be wanted in the near future.

EXTRACT FROM MR. ASST. RESIDENT BRADSHAW'S
REPORT GUJBA FOR DECEMBER, 1904.
COTTON IN FIKA DISTRICT, BORNU PROVINCE.

(11.) Their principal industry is cotton. The chief of Fika was quite proud of his cotton, and said that the white gowns turned out by his people had a deservedly high name, and were celebrated the country round, and they could not supply the demand there was for cotton.

(12.) He gave me the following information re the growing of cotton. At the beginning of the rains they start planting by making small holes a few inches deep, and some 2½ to 3 feet apart, into which they put about 12 cotton seeds which they cover over.

They get a small return at the end of the first year. Usually in the third year they get their heaviest crop, when the quantity of the crop decreases, and at the end of 5th or 6th year the return is so small that it hardly pays to pick, and the plantation is abandoned.

(13.) They make no attempt to keep the land in heart by either manuring or deep trenching, but simply give an occasional weeding, and make a fire belt round the estate. The crop is much affected by the season: if there is little rain the crop is proportionately small.

(14.) I went to see some of the plantations which are in the plains, and some distance from the town: the soil was a dark deep rich alluvial deposit, quite different from the poor stoney land close to the hills: the cotton looked very healthy and the pod was well forward and looked as if it would be ready to pick in a few weeks.

(15.) The trees seemed to me to flush too much to leaf, and I do not think that heavy crops per acre could be expected. I was told that something over a hundred trees would give cotton enough to make one ordinary white gown.

H. B. BRADSHAW.

EXTRACT FROM MR. ASSISTANT RESIDENT THOMSON'S
REPORT FOR JULY, 1909, GUJBA, BORNU PROVINCE.
COTTON.

25. When I was down in the South Pagan District, I had many talks with the headmen about their cotton, as also about their tobacco of which Mr. Bradshaw thought highly. It is my belief that the people of that district would follow out most readily the instructions of an expert in growing cotton, provided he stayed on the spot and toured about amongst the growers, and—above all—if he bought steadily of all persons who followed out his directions.

26. In this way a store established close to the river some where in the neighbourhood of Gwani, under charge of an expert, would soon prove by experiment whether the cotton grown is such as would be useful in England. The Barbur people

are enterprising and anxious to make money, and a year or two steady buying of cotton in accordance with directions would awaken them to the advantage of so growing it.

27. Needless to say, I am not presuming to give advice to Government. My object in thus writing is simply to call attention to a possible experiment, close to the river, in my own district, by which the Cotton Association might take a first step towards proving to the home Government that the opening up of Northern Nigeria, asked for in the late deputation to the Prime Minister, is a scheme worth spending money upon.

W. B. THOMSON.

EXTRACT FROM MR. RESIDENT GALL'S REPORT ON
COTTON, BORNU PROVINCE, DATED 29TH JUNE, 1910.

4. The natives regard cotton as being of two kinds, which they term "Leno" (Hausa "Zeri") and "Bulam" (Hausa "Abawa"). The "Leno" is generally softer, whiter and of a longer staple (the leaf being three-pointed), and is used for the length-wise threads in the narrow strips of locally woven cloth: the "Bulam" (with a five-pointed leaf) is coarser and of a shorter staple, and is used for the cross threads in the strips of cloth.

5. Although the "Leno" is considered to be more valuable, the natives make no attempt to plant more of that kind. Nor do they, when gathering the cotton, collect the two kinds separately, or even separate them for sale purposes. The kinds are indiscriminately planted, picked, and sold, mixed together. The only occasion which I have found where there was any discrimination was where the farmers, having sown many seeds together left more of the "Leno" when they weeded out the superfluous plants: but even then in the gathering they made no further attempt to keep separate the two kinds of cotton.

6. The cotton seed is planted (general by speaking) as soon as the rains have set in, in holes varying from 4 to 6 inches deep, the holes being from one to three feet apart. The number of seeds to the hole varies from 4 to 20. When a large number is sown in one hole, some of the plants are removed as soon as they are about 8 inches high.

7. The cotton is (variously) irrigated continuously, left entirely to the chances of the rainfall, or irrigated as soon as the rains are over.

8. Some farmers put no manure, some used tree ash, some cattle manure, some sheep manure certain farmers told me that they considered that sheep manure produces a large yield of cotton, but also is favourable to the pest.

9. Apparently no steps are taken to combat the pest.

10. Cotton is picked about 5 to 6 months after the seed is planted. The life of the trees is from 3 to 5 years. Opinion varies (due doubtless to varying conditions of locality and culture) as to whether the cotton of the second or of the third year is the best produced during the trees' life.

11. In some places the cotton is planted as an annual.

12. In a few cases, two crops of cotton are obtained in one year (by irrigation, of course.)

13. The non-irrigated cotton farms are prepared by clearing the bush from the intended farm, and breaking and banking up the ground slightly.

14. The irrigated farms are a little more elaborate, as beds with channels to induct the water have to be prepared. The distribution of the water is effected by the usual method of the balanced calabash and handle.

15. The farms are weeded (variously) twice or thrice a season.

16. I understand that before Rabe's advent, it was not uncommon for wheat-farmers on Lake Chad to hire cotton farms after the third year of life of the latter plant, to cut down the cotton trees, and to plant the wheat. As soon as the wheat was partly grown the cotton farmers re-planted cotton.

17. No oil or by-products are made from the cotton seed, which is not considered valuable enough to sell: the seed not required by farmers for sowing may be had for the asking: it is not used as a cattle-food. "In very hungry times the very poor people pound up the seeds and eat them mixed with water."

18. Cotton is always sold with the seed: the price being about one penny per pound. The cleaning is done (by hand) after purchase, by the consumer's household, with or without outside help. The cleaning of cotton is not pursued as a special industry.

19. The cotton produced in this Division (Geidam) is all used in the local and surrounding markets (a little filters over the border from the Bornu District of Bedi the adjacent Katagum villagers): and is locally woven (with the primitive hand loom) into the long white strips of cloth, from which are made the white (and blue-dyed) gowns.

20. Full statistics as regards cotton are expected later on in the year from the Officer now touring specially to collect such information as this: but at the time of writing I am unable to give more than conjectural estimates based on very imperfect native returns (I have endeavoured to check the figures by general personal enquiry while on tour, and by every test at disposal within the time.) The difficulty of obtaining accurate statistics is enhanced by the fact that it is not the rule for a cotton farmer to know (as a farmer does in the case of grain) how much cotton he has gathered, or even what sum of money a crop has yielded. The cotton is often gathered gradually by the women, and the small sums accruing are used for household expenses.

21. If it is necessary that I should submit figures at once as regards the cotton industry, then I would say (with hesitation) that there are some 3,000 cotton farmers in this Division who produce 160,000 pounds of seed-cotton per annum over an area of 1,000 acres.

22. On the result of a test made, it would seem that the seed-cotton yields in lint one fourth of its weight.

23. The cotton industry here is apparently quite undeveloped, and the foregoing description of the lack of culture shows what little chance is given to this product to yield really good results.

24. I may mention that Mr. Elliot, the late Forestry Officer, considered the size of the cotton trees on Lake Chad to be extraordinary.

25. The soil in this division is either of the kind termed "black cotton," or is of a light sandy variety.

26. The fringe of (chiefly pagan) tribes to the west and south west of the Province would seem to be the most assiduous cotton farmers: and this is fortunate, as they are nearest to rail and water communication. The crux of the position as regards Bornu products is course lack of transport facilities.

F. BECKLES GALL,
Resident.

Geidam,
29th June, 1910.

REPORT ON COTTON PRODUCTION AND INDUSTRY IN
 "A" DIVISION, BORNU PROVINCE, BY
 MR. W. B. THOMSON, III RESIDENT.

Methods of Cultivation. The best cotton districts in "A" Division are Yajua Karaguaro, Masu, Mongonu, Ngellewa, Marte and Sugurti. In these districts the method of cultivation is good. The cotton land is well turned with the hoe, and great care is taken to keep the ground free from weeds. The cotton plants are not crowded together but as a rule given a space considerably exceeding the regulation three feet by two. From six to ten seeds are planted in each hole, and when the plants spring up they are reduced to about three, and later to one.

The plants are sometimes planted on ridges, sometimes on flat ground. No manuring is attempted.

It is a frequent practice to grow maize, or indigo, or (more rarely) guinea corn on the same farm, but in such cases larger spaces, sometimes as much as eight feet by four, are left between the cotton plants. I have nowhere seen ground nuts grown in rotation with cotton, a system which I have seen recommended for the sake of the nitrogen contained in the former.

The cotton plants are well built up, the practice of hoeing towards the plants being thoroughly understood.

In other districts than the above, where cotton is less of a speciality, cultivation is careless. Cotton is planted in a haphazard way in ill-defined plots which scarcely deserve the name of farms. Cotton seems to be regarded as a sort of extra to be thrown in anyhow by those who happen to have time to spare. Stray cotton bushes may be found here and there on the millet and guinea corn farms and sometimes the boundary between farms is marked by a straggling line of cotton bushes.

The seeds are sown at the beginning of the rains. The plant is expected to produce for three years. The heaviest crop being obtained in the second year. After the third year, the plant is too weak to withstand the white-ants. There is a little cotton grown upon irrigated farms, but the amount is so small as hardly to deserve notice.

Variety and Quality. In a letter from The Cotton Association to the Secretary dated 5th September, 1907, samples of Bornu cotton were commented on. The best cotton sent was from districts further south than "A" Division where the true black cotton soil is found. Of other cotton samples from districts where the quality both of cotton and soil is similar to that obtained in "A" Division the general comment was that the samples were satisfactory in grade, but short in staple, a defect caused by want of selection in seed and lack of manuring. The value of the samples was from ½d. to 1d. off middling American.

Generally I think it is true to say that you will not find in "A" Division, save perhaps near Chad, any distinct difference in the kind of cotton grown. Good and bad qualities will be found everywhere, the market price varying not according to the district the cotton comes from, but according to the amount grown in the district where the market is situated. The careful cultivation in certain districts has of course a good effect, but the improved quality is not due to a distinct variety of cotton.

Area under Cultivation. This, it is impossible to estimate accurately owing to the amount of cotton grown in scattered patches and the number of stray bushes.

The best I can do is to give the results of a careful examination of cotton farms in part of Yajua

District. Here I found 5,278 compounds, and the cotton farms are given in the Assessment Register now being carried out at 811 in number, that is to say one farm for every 6½ compounds. Of a number of cotton farms varying from one-eighth acre to two acres the average size was seven-tenths of an acre. There are therefore 567, or allowing for undeclared patches and bushes, about 600 acres under cotton in that part of Yajua District with which I am dealing.

Generalising from this, and abstracting proportion, drawn from personal examination in Uje District, for the lesser amount of cotton grown in certain districts, I estimate the total acreage under cotton in "A" Division as 100 acres per 5,000 compounds in Uje, Ngunse, Bisugua, Magumeri, Konduga, Gusamala, East Marghi, and Chibuk; and as 600 acres per 5,000 compounds in Yajua, Karaguaro, Ngellewa, Sugurti, Marte, Mongonu, Masu, and West Marghi; making a total acreage in "A" Division of 3,900 acres.

Amount Grown. Repeated counts of half acres of cotton lead me to the conclusion that the average number of bushes per half acre is 1,500, or 3,000 bushes per acre.

Cotton is sold at so much per handful. One average bush yields just over three handfuls of cleaned cotton per annum, and one acre 9,000. About 40 handfuls weigh 1lb.; one acre therefore yielding about 225 lbs. of cleaned cotton. There are therefore some 877,500lbs. of cleaned cotton produced yearly in "A" Division.

Industries. The male population is almost entirely clothed with locally grown cotton, save for the small class of rich men who buy English and Tripoli cloth. Women frequently wear an upper garment of English cloth, but far the greater part of the clothing of the peasantry is made out of locally grown cotton by local weavers, tailors, &c. After investigation, I estimate that one male spends about eleven shillings and seven pence a year on clothing from native cloth, and an average household about 25/-. The household uses about 650 handfuls of cotton, or 4/- to 6/8. The difference between this and 25/- gives an idea of the amount of money that goes to weavers, threadmakers, tailors, &c., per household. Most of the clothes are dyed and dyeing is an important industry. The weaving trade makes profit about 2/10 per male out of the clothing of the average peasant per year.

Local values. These, as I have said, vary according to the distance of any given market from the better cotton districts. I should say the price of 1 lb. of average seed cotton is from ¾d. to 1d.; of cleaned lint from 3d. to 6d. In Maiduguri Market just now 14½ lbs. raw cotton can be bought for 1/-, and the price of cleaned lint is 5¼d. a pound; this, however, is the expensive season. At harvest time the price is little more than half the above.

W. B. THOMSON,
 Resident III.

Maiduguri,
 24th May, 1910.

COTTON.

General. 61. The above reports from Residents Gall and Thomson give a very detailed description of cotton culture in this Province.

The manner of plucking and tillage is in other parts of the Province the same.

62. As an approximate estimate, I would say there are 6,000 acres of land bearing cotton of one to five years growth, in the Province.

63. The whole crop is used up in local weaving and none worth recording is sent into or received from other Provinces.

There is no margin for foreign export. Whatever may be the future of Bornu as cotton producing country entirely depends on transport developments.

There are thousands of square acres of black cotton soil at present uncultivated.

As the matter stands at present there is no encouragement for the natives to produce cotton for export, or for outside markets; the price paid for cotton is necessarily low, and the means of transport primitive and expensive.

A. McCLINTOCK,
 Resident.

THE following report from the Manager of the British Cotton Growing Association at Lokoja, on samples of cotton from experimental cotton plots at Ibi, Muri Province, is published for general information. (Vide Report by Capt. C. F. Rowe, on page XII of Supplement to the Official Gazette No. 5 of 1911.)

The British Cotton Growing Association,
 Newton Ginnery,
 Lokoja, May 1, 1911.
 Northern Nigeria.

No. G. 267/1911.
 The Resident,
 Muri Province, Ibi.
 Sir,

In reply to your letter No. 379/11, we now beg to forward you a Report, on the samples of cotton sent us from your Experimental Plots.

1. BLACK BASSA.
 This cotton is of a fairly good white colour with an average length of staple of 1½th, the percentage of lint obtained from it during ginning was:—
 Lint 32.62%

This is a fairly good average; the usual average for this cotton ranging from 31% to 33%.

2. ILORIN.
 This cotton is of a rather creamy colour, with an average length of staple of 1¼th, but not so silky as the Black Bassa.

The percentage of lint came out at 30%.—Usual lint per cent of this cotton 28% to 30%.

3. NYASSALAND.
 This cotton is of a good white colour, and silky fibre—average length of staple 1½. It gave a lint percentage of 29.32%. The usual percentage of lint for this cotton 30% to 32%.

This cotton is the best of the cotton forwarded us.

4. BLACK BASSA FROM ABINSI AND KATSENA ALLAH.

Both these samples are not so good, as the samples from Ibi being of a more creamy colour.

The percentages are:—
 Abinsi 29.78%
 Katsena Allah 33.33%

The Abinsi sample contained a quantity of immature cotton, and therefore this accounts for the lower per cent of lint.

We have forwarded a sample of the Nyassaland lint to our Head Office, Manchester, asking them to let us have the cotton Brokers' Report on it, and on receipt of same, we will forward it on to you.

Yours faithfully,
 H. FIELDING,
 Acting Manager.

REPORT by British Cotton Growing Association Lokoja, dated April 3, 1911 on the following eight samples of Cotton grown on Zungeri Prison Farm and two grown outside Government House.

These are the results of experiments in planting at various distances apart, and, planting in manured and unmanured ground.

No. 1. Variety, Bassa, unmanured and planted at a distance of 2 feet between plants and 2 feet between rows.

No. 2. Variety, Bassa, unmanured and planted at a distance of 2 feet between plants and 3 feet between rows.

No. 3. Variety, Nyassaland, unmanured and planted at a distance of 2 feet between plants and 2 feet between rows.

No. 4. Variety, Nyassaland, unmanured and planted at a distance of 2 feet between plants and 3 feet between rows.

No. 5. Variety, Ilorin, unmanured and planted at a distance of 2 feet between plants and 2 feet between rows.

No. 6. Variety, Ilorin, unmanured and planted at a distance of 2 feet between plants and 3 feet between rows.

No. 7. Variety, Bassa, unmanured and planted at a distance of 3 feet between plants and 3 feet between rows.

No. 8. Variety, Bassa, unmanured and planted at a distance of 3 feet between plants and 4 feet between rows.

No. 9. Variety Experiments in planting in manured and No. 10. variety, unmanured ground.

The best sample is No. 2 both as regards colour and staple; No. 4 follows closely in colour but is I think inferior in quality.

Nos. 3 and 4 are stated to be Ilorin cotton; if this is so, it is much superior to the average product of that province.

All the samples are well grown and from a users point of view are very desirable. Samples have been sent to our valuers whose report will be forwarded to you when received.

The Ginning results are as follows. With such small quantities to deal with the percentages cannot be as accurate as with larger lots. The figures for Nos. 5 and 6 are quite abnormal and I think are too good to be true. It is possible that the pickers took out some broken seed from these lots. This would have the effect of increasing the lint percentage. It is quite possible too that some error has taken place here but every effort was made to ensure accuracy.

With these too exceptions and Nos. 15 and 16 which are too small to deal with, your results agree with average experiments.

The distances between rows and plants experiment is chiefly for the purpose of yield although of course quality is always considered. Without particulars of plot measurements we are unable to express an opinion of their respective merits.

We find 3' x 2' to be a safe distance and generally recommend it; 2' x 2' is we fear too close. As a rule Ilorin Cotton plants produce more wood and leaf than either Bassa or Nyassa, it needs therefore plenty of room.

If you intend carrying on the experiments this season we suggest planting the same seed in each case 3' x 2' and in some simple proportion of an acre. Plots should be divided and protected by rows of Maize or Guinea corn.

GUM

THE following report dated 12th November 1910 by the Director Imperial Institute on certain samples of gum from Sokoto Province is published for general information.

"Farinkaia" Weight 4½ lb. The sample consisted of tears, masses, and very small fragments of gum, varying in colour from pale yellow to dark brown. The fracture was generally transparent and vitreous. A considerable quantity of "burnt gum," dirt and bark was present in the sample.

The gum was valued by brokers at 18s. per cwt. in London (October 1910).

This sample was inferior to a sample of "Farinkaia" gum, from Yola Province, previously examined at the Imperial Institute (see Report dated 4th March 1910). Its value would however be enhanced by picking out the "burnt gum," dirt and bark, and sifting out the very small fragments.

"Chiriri" Weight 3½ lbs. The sample consisted of tears, long pieces and fragments of gum varying in colour from yellow to dark brown. The fracture was transparent and vitreous. A considerable quantity of foreign matter, chiefly bark and leaves, was present.

The sample was submitted to brokers, who considered that it would be hardly worth importing into the United Kingdom, being at most worth only 12s. per cwt. in London (October, 1910).

This gum dissolves slowly in water and for that reason is of low value, apart from the fact that the sample contained a good deal of foreign matter.

"Kano" Weight 2½ lbs. The sample consisted of tears, masses and fragments of gum varying in colour from pale yellow to pale brown. The fracture was transparent and vitreous. A very small quantity of foreign matter, chiefly bark and leaves, was present.

The material was valued by brokers as 23s. to 24s. per cwt. in London (October 1910).

This sample was the best of the series now under report, but was inferior to good Niger gum.

RUBBER

REPORT by Mr. Assistant Resident A. Campbell-Irons dated 31st December, 1910, on the rubber in the Lafia Division, Nassarawa Province.

For convenience I have divided the Division into two, (a) The Settled District, (b) The Unsettled District.

Unsettled District.—By this district is meant the country of the Mada, Nungu, Mama and Aike tribes.

1. Jan Donko (Kuringa). This is a vine rubber, and is found in most of the Kurumis. The heads are cut off and beating. Then it is washed and cooked, then again washed. Price at Lafia about 1/2 cash per lb.

2. Awaiyo, (Balata). This is a tree rubber with a large leaf. It grows in towns and Kurumis. The tree is tapped, and the juice then boiled and skimmed. Price at Lafia about 1/2 cash per lb.

Both these rubbers grow in large quantities.

3. Chiwo, (Flake rubber). Very scarce. Treated same as Jan Donko. Price at Lafia about 9d. per lb. At present the rubber is not cultivated, but I have made arrangements with the Sar Donko to plant trees.

Settled Districts.—The above mentioned rubbers grow in the settled districts and are treated in the same way.

4. Gamji, a tree rubber also grows in the settled districts and is treated same as Awaiyo rubber. At present it is not very valuable owing to the very large amount of moisture it retains.

This year over 60 Awaiyo trees have been planted in the settled district, and it is hoped that some 500 more will be planted next rains.

The trees are only tapped once every three years while it takes a tree about 7 years to come to maturity.

The vine rubber may be cut every year.

News Circular No. 11 of 1911.

OFFICIAL ZUNGERU, 7TH JUNE, 1911.

1. *Sailings; Liverpool:*—24th May, Mr. J. Crank, Platelayer B.K.R., Mr. E. V. Parodi, Puisne Judge, Judicial, Lieut. P. F. Keene, N.N.R.

31st May, Mr. W. E. Slingsby, Assistant Resident.

2. *Sailings; Burutu:*—31st May, Mr. R. C. Turner, Assistant Auditor, Mr. H. H. Middleton, Assistant Resident, Messrs J. W. Pratt, J. Swainson and W. E. Daniel, Engine Drivers, B.K.R., Mr. R. Carey-Hale, Foreman of Works B.K.R., Lieut. G. Bonham-Carter, N.N.R.

7th June, Dr. J. W. Scott Macfie, Medical Officer, Mr. G. B. Simpson, Deputy Postmaster General, Mr. E. W. Dix, District Superintendent of Police, Captain T. O. B. O. Ruthven, Assistant Locomotive Superintendent, Sergt. J. Long, N.N.R., Mr. H. Farnell, Engine Driver, Mr. G. W. H. Nevill, 3rd Class Resident, Mr. S. H. P. Vereker, Assistant Resident, Lieutenant N. K. Street, N.N.R., Dr. M. Cameron Blair, Senior Sanitary Officer.

News Circular No. 12.

OFFICIAL ZUNGERU, 17TH JUNE, 1911.

1. *Sailings; Liverpool:*—7th June, Captain J. F. N. Price, District Commissioner of Police, Mr. C. E. Hare, Telegraph Inspector, Dr. M. F. Ellis, Medical Officer, Lieut. C. H. Fowle, Armr. Sergeant W. A. Jones, N.N.R.

2. *Sailings; Burutu:*—14th June, Mr. H. S. W. Edwardes, 3rd Class Resident, Dr. F. W. McCay, Medical Officer, Mr. S. J. Milton, Store Keeper Marine, Mr. G. S. Chisholm, Assistant Resident, Dr. J. Lindsay, Medical Officer, Sergt. H. Lee, N.N.R., Mr. O. Goodchild, Foreman of Works B.K.R., Mr. J. H. Hunt, Postal and Telegraph Inspector, Mr. P. J. Doyle, Senior Assistant Marine Superintendent.

3. *Arrivals; Burutu:*—27th May, Lieutenants T. R. Bowlby, A. A. Cummins, N.N.R., Dr. H. G. McKinney, Medical Officer, Mr. P. A. Anderson, Assistant Engineer P.W.D., Messrs W. Rogers, J. W. Thorpe, Platelayers B.K.R., Sergeant G. B. Putland, N.N.R.

3rd June, Lieutenant C. A. S. Carleton, N.N.R., Mr. R. A. Lloyd, Assistant Engineer B.K.R., Mr. C. A. Woodhouse, Assistant Resident, Sergeant H. G. Glogg, N.N.R.

10th June, Mr. E. V. Parodi, Puisne Judge, Lieut. P. F. Keene, N.N.R., Mr. J. Crank, Platelayer B.K.R.

4. The 22nd, 23rd and 24th instant have been declared Public Holidays to celebrate Coronation of His Majesty George V. Headquarters of Government will be transferred to Zaria from 20th to 27th instant period of Durbar there.

News Circular No. 13.

OFFICIAL ZUNGERU, 30TH JUNE, 1911.

1. *Sailings; Liverpool:*—14th June, Lieutenants Garfit, B. C. Ash, N.N.R., Lieut. H. De C. Matthews, 3rd Class Resident.

21st June, Mr. J. Galloway, Fitter and Smith Marine, Mr. W. Davies, Engine Driver B.K.R., Mr. G. R. W. Bennett, Leveller B.K.R., Mr. C. L. Anderson, Assistant Treasurer, Captain D. A. Wallbach, Chief Transport Officer.

2. *Sailings; Burutu:*—21st June, Mr. E. W. Cocks, Senior Assistant Secretary, Messrs K. Hamilton, B. E. M. Waters, Assistant Residents, Mr. D. Cator, 3rd Class Resident, Mr. G. Angus, Locomotive Driver B.K.R., Mr. T. Lycett, Foreman of Works B.K.R., Captain C. F. Rowe, 3rd Class Resident, Armr. Sergt. J. W. Swain, N.N.R. (Lagos).

28th June, Lieuts. M. W. Graham, L. G. Moore, O. Oakes, Sergts. S. J. Cole, I. C. Turner, N.N.R., Mr. J. Sutherland Brown, Asst. Engineer, P.W.D., Mr. B. Lentaigne, Assistant Resident, Mr. E. Langslow-Cock, Inspector of Mines, Mr. James Dooley, Chief Foreman P.W.D., Mr. A. Farquhar, Engineer Dredger "Quorra" Marine, Mr. D. Henderson, Foreman of Works B.K.R.

3. *Arrivals; Burutu:*—18th June, Mr. W. E. Slingsby, Assistant Resident.





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IT is notified for general information that Jebba (Port Ilorin) has been placed under the charge of the Resident Niger.

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Native Courts.

WARRANTS establishing Native Courts under the Native Courts Proclamation, with the approval of the Acting Governor, under the Seal of the Protectorate, have been issued as under:—

Province.	Grade.	Name of Court.	Date of Warrant.
Bornu	"D"	Judicial Council of Biu	26th May 1911.
Kano (Katsena Division)	"D"	Market Court of Kusada	30th June 1911.
do	"D"	Market Court of Dan Ja	do
do	"D"	Market Court of Mallam Fashi	do
do	"D"	Market Court of Dallaji	do

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THE Kagara (Niger Province) Judicial Council "C" Grade established under warrant dated 1st October 1910 has been raised to "B" Grade under Alkali Shehu.

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THE Warrant establishing the Judicial Council of Oguma (Bassa Province) "D" Grade, dated 22nd September 1910 has been cancelled.

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Hausa Examination.

UNDER the provisions contained in G.S.O. No. 70, the undermentioned passed:—

LOWER STANDARD FINAL EXAMINATION.

Lieut. F. J. L. Cogan, Artillery, N. N. Regt., dated 10th March 1911.

Lieut. G. A. P. Maxwell, Royal Engineers, Baro Kano Railway, dated 21st June, 1911.

Captain J. F. J. Fitzpatrick, Assistant Resident, dated 23rd June 1911.

LOWER STANDARD PROGRESS EXAMINATION.

Mr. K. Hamilton, Assistant Resident, dated 30th May 1911.

COLLOQUIAL TEST.

Lieut. G. de Grey, 2nd Bn., N. N. Regt., dated 29th June 1911.

Lieut. J. F. Badham, 1st Bn., N. N. Regt., dated 29th June 1911.

Lieut. W. E. Williams, 1st Bn., N. N. Regt., dated 11th July 1911.

NATIVE STAFF.

Mr. E. P. Benin, 4th Grade Clerk, 1st Bn. N. N. R., dated 14th July, 1911.

Mr. S. M. Halm, 4th Grade Clerk, Provincial Administration, dated 5th June, 1911.

Mr. D. D. Nyako, 4th Grade Clerk, P. W. D., dated 13th July, 1911.
Mr. E. N. Davies, 3rd Grade Clerk, Police, dated 20th July, 1911.
Mr. E. M. Daniels, 3rd Grade Clerk, Treasury, dated 21st July, 1911.
Mr. E. T. George, 4th Grade Sorting Clerk and Telegraphist, dated 27th June 1911.

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Examination in English.

UNDER the provisions of Government Standing Order No. 52, paragraph 4, the undermentioned Native Non-Commissioned Officer passed an examination in English Lower Standard at Zungeru on 26th July 1911:—
No. 4488 Sergeant-Major Tukur, 1st Bn., N. N. Regt. (Marks 59%).

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AMENDMENTS TO GOVERNMENT STANDING ORDERS. NOTICE NO. 4

THE following has been added after paragraph 7 of G. S. O. No. 35.

When it is necessary officials travelling by the railway may be called upon to take charge of mails that are being sent by the same train.

In such cases the officer will be required to sign for the mails handed over to him and will be supplied with a way bill on which he should obtain receipts for the mails as they are delivered.

The way bill when completed should be forwarded to the Postmaster General, Zungeru.

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G. S. O. 47, NORTHERN NIGERIA POLICE.

Para. 1, 2nd line, delete the word "the" between the words "in" and "Northern."

3rd line, delete "1908" and substitute "chapter xx. of the Revised Book of Laws."

Para. 3, 5th line, delete the word "malingering," 13th, 14th and 15th lines, delete and substitute:—

"whenever there is occasion to confine an N.C.O., or constable, the Commissioner or Assistant Commissioner will be informed."

Para. 4, 1st line, delete the word "weekly" and substitute "monthly."

2nd line, insert between the words "arms" and "accoutrements" the word "ammunition."

3rd line, after the word "detachment" insert the words "at provincial headquarters."

7th line, add after the word "neatness" the words "He will on visiting outstation detachments, invariably inspect and check all articles on police charge, in addition to holding a kit inspection."

Para. 7, delete altogether, also footnote to same."

Para. 8, 7th line, add "Commissioners or Assistant Commissioners will both at provincial headquarters and at outstations, issue discs stamped with numbers to authorized followers. Surprise inspections will be made from time to time and all unauthorized persons found living in barracks will be proceeded against under the Cantonment Proclamation."

Para. 10, 1st line, delete the first line and substitute "It must be carefully explained to the"

Para. 11, 8th and 9th lines, delete the words "quarterly returns" and substitute "monthly inspection."

Para. 15, in line 4, delete from the word "the" to end of the sentence in line 6 and insert in line 4 the word "charge" after the word "on."

Para. 20, delete altogether.

Para. 23, 2nd line, delete the word "I.G.P." and substitute the words "Commissioner or Assistant Commissioner stationed in the Cantonment."

Para. 25, add after the last paragraph the following:—

"Commissioners or Assistant Commissioners are never to be employed on any duties other than those connected with police or prisons without the sanction of the Governor."

Para. 31, add the following paragraphs:—

(b) "Each Commissioner or Assistant Commissioner will keep in his office a register of the names of ex-soldiers, ex-constables, or ex-members of corps in other Colonies or Protectorates of West Africa living in his district. It will also contain short particulars of each man including corps, service, causes of discharge, place of abode, etc."

(c) "A detachment Defaulter Book will also be kept in the possession of the Commissioner or Assistant Commissioner, or the officer acting for him. In it will be recorded the number and name of every N.C.O. and constable charged with any offence against discipline (including loss of articles of uniform, equipment, etc.), the date of such offence, place, date, and by whom tried, punishment, etc. Each entry will be initialled."

(d) "A nominal roll of authorized followers in barracks (i.e. wives and servants of police) must be kept in each police office. All women and servants duly authorized must be given a token or a number to be produced when called upon."

Para. 33, delete altogether and substitute the following:—

"The Commissioner or Assistant Commissioner will submit the following returns to the Resident, who will transmit them to the Inspector General:—

A. *Annually.* (as soon as possible after 31st December:—

1. A detailed report on the police and the crime of the province during the past year, with any suggestions, etc.

2. Compiled Musketry Return (Police Form 11).

3. Return of Arms and Game Permits (Police Form 15).

4. Compiled Criminal Return (Police Form 1).

5. Stores Requisition Indent, showing the exact quantity of police stores, equipment, etc., required for the next two half-yearly issues.

6. A copy of the Police Unexpended Ledger for the year, showing all receipts and issues and balances at the beginning and the end of the year, and quoting voucher numbers, authority for striking off or taking on charge, etc.

7. A copy of the Police Expendable Ledger for the year, with the same details.

8. The following information is to be telegraphed through the Resident to the I.G.P. by the Commissioner or Assistant Commissioner on January 1st of each year:—

(a) Establishment of officers.

(b) Establishment of other ranks.

(c) Actual strength of officers on December 31st.

(d) Actual strength of other ranks.

(e) Number of carbines on charge.

(f) Number of Hausas on strength.

(g) Number of Yorubas on strength.

(h) Number of other races on strength.

In sending this information, each detail may be referred to under its prefix letter to avoid useless repetition in the telegram.

B. *Half-yearly* (as soon as possible after 30th September:—

1. Half-yearly estimate of expenditure, viz:—
A statement showing the actual expenditure from 1st April to 30th September against the Police vote.

2. An estimate showing the probable further expenditure from 1st October to 31st March against the Police vote.

Both of these statements may be furnished on Police Form 9. Pay drawn in England is to be included.

C. *Quarterly* (as soon as possible after the last day of the quarter):—

1. Return of Criminal Cases (Police Form 1).

2. Return of Police Expenditure (Police Form 9).

3. Quarterly State (Police Form 10).

4. Return of Arms Permits (Police Form 13).

5. Return of Fines (Police Form 5).

6. Return of Game Licences, etc. (Police Form 12).

7. Return of Domestic Servants convicted.

8. Summary of Arms and Game Licences (Police Form 15).

9. A detailed report on the provincial police with full particulars concerning their work.

Nos. 4, 6, and 8 should be addressed to the Registrar of Arms, Zungeru.

Note. 1.—In filling up criminal returns, all criminal cases finally disposed of must be shown, irrespective of whether the defendant was convicted or discharged. The cases should be entered, if possible, in the same order as in the Resident's cause list, with which the return should be carefully checked. This return should be sent in as soon as possible after the close of the quarter. When a case is not finally disposed of (e.g. when remanded from one month to the next) it should not be shown except in the returns not the month in which it is finally disposed of.

Note. 2.—Officers will take care to include statistics for the whole province in the above returns.

Note. 3.—In the event of there being no action to report a "nil" return will be rendered.

Note. 4.—Office copies of the above returns will be filed in the Police Office.

Para. 35, 2nd, 3rd, 4th and 5th lines, delete the words "an open letter rationed" and insert the words "a properly filled in Marching Order Form (Police Form 32/11).

6th line, delete the word "letter" and substitute "latter."

Para. 37, 1st line, insert after the word "detachment" the words "or on parties employed elsewhere than at provincial headquarters."

4th line, after the word "relieved" insert the clause, "It should never consist of less than three constables, or a N.C.O. and two constables."

Add to the last paragraph the following paragraphs:—

"When a soldier or gun-carrier is arrested or summoned, intimation (in writing) of the charge and date and hour of the trial will at once be sent to his local Commanding Officer."

"The appointment of acting (or unpaid) N.C.Os. is prohibited. When a N.C.O. is not available to take command of a party, the senior constable in charge should be detailed to do so, as constable in command and the others should be clearly informed that they are placed under his orders."

"The employment of police in the actual collection of revenue is forbidden. But they must render all assistance possible to enable revenue to be collected."

Para. 40, 1st line, delete the word "defaulter" and substitute the words "Service Record."

Add "A Service Record Register will be kept in each police office containing all particulars of each man who has served in the detachment, as given in his Service Record, so that in the event of his transfer, all necessary information regarding him, will be available in the province."

"Re-enlisted men whose services are continuous, will retain their numbers."

"Numbers of men are invariably to be given against their names in pay lists and other accounts and in all official reports and the name spelt as in the attestation papers."

Para. 41, 8th line, after the word "Lokoja" insert the words "or at the last provincial headquarters through which a holder passes before leaving the Protectorate."

20th line, after the word "force" insert the words "or the last day of each quarter and also."

21st line, delete the word "Annual" and substitute the words "Arms Permit."

24th line, after the word "sale" add the following:—"the total quantity of ammunition registered will also be shown."

Para. 42, 2nd and 3rd lines, delete the words "The Registrar of Arms at Lokoja" and substitute the words "The Commissioner or Assistant Commissioner at Lokoja or at the last provincial headquarters through which a holder passes before leaving the Protectorate."

Para. 43, delete altogether.

Para. 44, delete altogether and substitute the following:—

"When furnishing accounts care must be exercised that the correct heads and sub-heads of expenditure are given. No expenditure on rewards must be incurred without reference to the Inspector-General. Recommendations for rewards should always be telegraphed to enable them to be awarded whilst the incident is fresh in the minds of the men."

Notes.—1. Delete the words "District Superintendent" wherever they occur and insert "Commissioner or Assistant Commissioner."

2. Delete the words "District Superintendents" wherever they occur and insert "Commissioners or Assistant Commissioners."

3. In para. 30 omit the word "or" between "Commissioner and Assistant Commissioner."

4. Delete the letters "D.S.P." wherever they occur and insert "C. of P." or "Asst. C. of P."

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THE Acting Governor directs the publication for general information of the following report of the Queen Victoria memorial committee 1901-1911.

QUEEN VICTORIA MEMORIAL.

MAY IT PLEASE YOUR MAJESTY: On February 19th, 1901, the first meeting of the Committee appointed by Your Majesty's beloved and deeply lamented father King Edward to consider a suitable Memorial to Queen Victoria of blessed memory, was held under the presidency of the late Marquis of Salisbury.

The Committee consisted of the following:—

- The MARQUIS OF SALISBURY, K.G., *Chairman.*
- Rt. Hon. A. AKERS-DOUGLAS, M.P.
- Rt. Hon. A. J. BALFOUR, M.P.
- Rt. Hon. LORD BALFOUR OF BURLEIGH.
- Rt. Hon. SIR HENRY CAMPBELL-BANNERMAN, M.P., G.C.B.

- Rt. Hon. JOSEPH CHAMBERLAIN, M.P.
- Rt. Hon. EARL CADOGAN, K.G.
- Rt. Hon. SIR HENRY FOWLER, M.P., G.C.S.I.
- Rt. Hon. LORD GEORGE HAMILTON, M.P.
- Rt. Hon. THE EARL OF KIMBERLEY, K.G.
- Rt. Hon. THE EARL OF ROSEBURY, K.G.
- Rt. Hon. THE LORD MAYOR, *Treasurer.*
- Lieut.-Colonel SIR ARTHUR BIGGE, K.C.B., *Hon. Secretary.*

At their first meeting the Committee resolved:

- (1) That the Memorial should be architectural, with a personal reference to the Queen.
- (2) That it should not be utilitarian, and that it should include an effigy of the Queen.
- (3) That it should be in London.
- (4) That the Secretary of State for India and the Colonies should confidentially ascertain whether these parts of the Empire are desirous of taking part in the undertaking.
- (5) That subscriptions should be received from all quarters.

These Resolutions having been approved by King Edward, another Meeting was held on February 21st, at which it was decided that a small Committee should be appointed to develop the idea, and, if possible, to obtain sketches or designs for a suitable Memorial.

The Committee was selected as follows:—

- A Nominee of the President of the Royal Academy.
- A Nominee of The Royal Institute of British Architects.

The Lord Mayor and Viscount Esher, together with a Representative, to be named by King Edward.

At this Meeting Sir Arthur Bigge, having been commanded to accompany Your Majesty and The Queen during Your Majesty's tour in the Colonies, Viscount Esher was appointed Honorary Secretary to the General Committee.

On the following day a letter was addressed to the President of The Royal Academy and the President of The Royal Institute of British Architects, inviting them to a private Conference at the Mansion House on February 25th.

Among the various schemes considered at that Meeting was a plan prepared under the auspices of Mr. Akers-Douglas, at that time First Commissioner of Works, to remove the row of trees in the Centre of The Mall and to transfer the carriageway from the side to the centre thus formed. To place a Statue of Her Majesty, seated under a Canopy, upon a base forty feet square in a wide place to be formed in front of Buckingham Palace, and to erect an Arch at the eastern end of the Avenue.

Of the Schemes considered this appeared to be the best, and on the suggestion of The Lord Mayor, it was decided that an immediate appeal should be made for subscriptions, without stating the nature of the Memorial proposed, but explaining that it would be personal and monumental, and would be erected in London.

It was also suggested that a sculptor should be selected and a certain number of architects should be invited to prepare designs for the Scheme approved, that from these designs a selection should be made, and that the Sub-Committee should then nominate the artists to be entrusted with the duty of carrying out the work.

A Meeting of the General Committee, under the Presidency of The Marquis of Salisbury, was held on March 1st, and as a result of their deliberations, the following announcement was made in the Press:—

"The Committee, appointed by the King, recommend that a Memorial be erected in the neighbourhood of the Abbey and Palace of Westminster, or of Buckingham Palace; the Memorial to include as its most prominent feature a Statue of The Queen."

"This recommendation has been submitted to The King by Viscount Esher (Hon. Secretary), and a Sub-Committee has been appointed to consider the means which should be employed to carry this recommendation into effect. Subscriptions will be received by The Lord Mayor at the Mansion House, E.C., and at the Bank of England."

On March 11th, a Meeting of the Sub-Committee was held at St. James's Palace. Present:—Viscount Esher, Lord Windsor (now the Earl of Plymouth), the late Sir Arthur Ellis, Sir Edward Poynter, Mr. A. B. Freeman Mitford (now Lord Redesdale) Sir W. Emerson, and Mr. Sidney Colvin; and it was unanimously resolved that:—

- (1) A monumental Memorial should be erected in front of Buckingham Palace, to include a Statue of the Queen
- (2) An Arch commemorative of the progress of Art, Science, etc., during the reign of Queen Victoria, should be erected at the Eastern entrance of The Mall, near the Spring Gardens.
- (3) This to be an architectonic Scheme, involving a modification of The Mall, in order to centre the avenue of trees with the proposed Monument and Buckingham Palace; giving an opportunity for adorning the Avenue with sculptural groups in consonance with a Memorial of the Queen.

On March 9th, the Report of the Sub-Committee was laid before the General Committee, who, with the approval of King Edward, decided that the Memorial of Queen Victoria should be erected in front of Buckingham Palace, and that, in order to promote this subject, a Public Meeting should be held at the Mansion House, over which The Lord Mayor should preside, the Marquis of Salisbury, Sir Henry Campbell-Bannerman, and other Members of the Committee being present.

On March 26th, a Meeting was held accordingly at the Mansion House, and in the absence of the Marquis of Salisbury the following Resolution, proposed by The Right Honourable Arthur J. Balfour, M.P., was unanimously passed:—

That, in the opinion of this Meeting of the Citizens of London, a National Monument should be erected to the Memory of the Late Beloved Queen Victoria on the Site in front of Buckingham Palace approved by His Majesty The King.

On the same day a letter was addressed by Viscount Esher to Sir Rowand Anderson, Mr. Ernest George, Sir Aston Webb, Sir Thomas Drew and Mr. T. G. Jackson, asking them if they would consent to meet the Executive Committee with a view to preparing a design to be submitted in competition for the architectonic treatment of The Mall.

It has been previously decided to offer an honorarium of two hundred guineas to each of these eminent architects on the understanding that when the ultimate selection was made the Architect chosen should collaborate with the Sculptor appointed and should receive further remuneration based on the cost of the design.

Mr. Thomas Brock, R.A., was then selected to prepare a design for the group or groups of sculpture, including the Statue of The Queen, which it had been decided to place opposite the Entrance Gates to Buckingham Palace.

It was subsequently arranged that the plans were to be submitted for examination in the course of the following three months.

On June 30th, they were sent, together with Mr. Brock's sketch model, to St. James's Palace, where they were shortly afterwards inspected by King Edward. The Executive Committee thereupon met and at their second Meeting adopted the following resolutions:—

The Committee recommend that Mr. Brock's sketch design be accepted, subject to such modifications, as may be necessitated by the Scheme of the Memorial as a whole.

That Sir Aston Webb's Plan for the general treatment of the space in front of Buckingham Palace be accepted, subject to certain necessary changes.

The Committee further recommend that the consideration of the remainder of The Mall Scheme be postponed until the amount of the subscriptions to the National Memorial shall have been ascertained.

This Resolution was submitted to The Marquis of Salisbury, who decided that the General Committee should meet to see the sketch Model and the Plan.

The General Committee approved of the Report, and gave instructions that with the assent of King Edward the Plans and Model should be exhibited at St. James's Palace to the Public.

It was further decided that Mr. Brock and Sir Aston Webb should construct a model to scale, from which the ultimate work would be carried out, and they were further asked to frame Estimates and prepare the necessary Contracts.

The Public took advantage in large numbers of the privilege accorded by the King to inspect the Plans and Model, and about ten thousand visitors passed through the room in which they were exhibited at St. James's Palace.

On December 2nd, Viscount Esher wrote, for the information of The Marquis of Salisbury, a Memorandum containing an outline of the Proceedings in connection with the Memorial since the inception of the Scheme on February 19th, upon which The Marquis of Salisbury decided to call a Meeting of the General Committee.

At this Meeting, which was held on December 9th, it was resolved that Viscount Esher should be authorised to instruct Mr. Brock and Sir Aston Webb to prepare their Estimates upon a basis of expenditure not to exceed in the first instance £175,000, a sum subsequently, with the approval of King Edward, increased to the amount available after the public subscription was closed.

It was further decided that the General Committee having completed the work entrusted to it by the King should be dissolved; that when the model was completed, that the Executive Committee should examine the details of the scheme, and that when these were settled a small Committee should be appointed by His Majesty King Edward to superintend the carrying out of the work.

On December 16th, 1910, Sir Aston Webb and Mr. Brock were informed by Viscount Esher of the decision of the General Committee, and the arrangements based on that decision were subsequently made.

The formal Contract with Mr. Brock is dated June 21st, 1902, and was entered into after the Model had been completed and had been seen and approved by King Edward in Mr. Brock's studio, which His Majesty visited on several occasions.

Mr. Brock's design represents Queen Victoria seated in Robes of State on a Throne. At the back is a group of figures symbolical of Motherhood. At each side of the Pedestal are groups representing Truth and Justice. Above the pedestal are Eagles, symbolical of Dominion; while above them are seated figures of Courage and Constancy at the feet of a winged figure of Victory. The Great Base upon which the Monument rests, is typical of the foundations upon which the Throne is secured. Power is represented by Lions on the four flanking pedestals, supported by figures of Peace, Progress, Agriculture, and Manufacture.

Over the Fountains are groups typifying Courage and Wisdom, and the reliefs in bronze and marble of the retaining walls are Tritons and Mermaids symbolical of Sea Power.

Sir Aston Webb commenced the portion of his work, at present executed, towards the end of July, 1903, and it was carried out entirely under his direction, but with the supervision of the Special Committee appointed by King Edward, consisting of Viscount Esher (Chairman), Lord Redesdale, Sir John Stirling-Maxwell, the First Commissioner of Works for the time being, and Sir Schomberg McDonnell (Secretary of the Office of Works).

It was settled by King Edward during the early progress of the work that such of Your Majesty's Dominions and Colonies as have contributed to the Memorial should be represented by means of devices and inscriptions on the various gates and on the salient features on the Memorial itself. This is being done.

His late Majesty was graciously pleased to approve of contributions being made from the Memorial Funds towards the work carried out by the First Commissioner of Works in St. James's Park, necessary and consequential upon the decision to place the Memorial in front of Buckingham Palace.

On the change of Government in 1906, The Right Honourable L. Harcourt, M.P., the new First Commissioner of Works, became a member of the Special Committee; but by His late Majesty's command the Earl of Plymouth, who vacated that office, continued to give his services to the Committee. In order that the work might be completed as rapidly as possible, Mr. Brock, R.A., was obliged to build an additional studio—being the third in which this great work was carried on.

From the commencement the Lord Mayors of the City of London have kindly acted as the Treasurers of the Fund. Statements of Account were furnished from time to time by Sir William Soulsby, C.B., and submitted to King Edward.

The total amount of subscriptions received is £323,609, contributed by Great Britain and Ireland, by the Dominions, Colonies and Dependencies of Your Majesty's Empire by Your Majesty's Subjects resident in foreign countries, and also by Citizens of the United States of America.

A financial statement will hereafter be prepared by The Lord Mayor and submitted for Your Majesty's information showing a list of the countries and parts of the Empire represented by the Contributors.

The Committee would be failing in their duty to Your Majesty's beloved Father and their late Sovereign were they to refrain from laying some stress upon the magnitude and character of the Memorial to Queen Victoria.

An attempt has been made on a large scale to treat a public memorial in an architectonic spirit, and under the auspices and largely at the initiative

of King Edward the Memorial and its surroundings may be said to be the first example in recent times of Town Planning in the Metropolis.

To Sir Aston Webb thanks are due for the devotion which he has shown throughout in maintaining the broad lines of the original scheme and for the elaborate care he has bestowed upon its details.

The Committee find it difficult to express their sense of what is due to the genius of Mr. Brock. The Monument itself stands as the best testimony of his work.

The successive Lord Mayors of the City of London, from 1901 to the present time, as Treasurers, and Sir William Soulsby, as Secretary, have been unflinching in their co-operation, while without the generous assistance of the Commissioners of Works and their Staff the Memorial could not have been satisfactorily completed.

In humbly submitting this Report to Your Majesty, it is impossible to conclude without an expression of deep gratitude to Your Majesty's beloved Father, by whom the Committee were carefully and wisely guided through many difficulties, and from whom they invariably received the most cordial support and encouragement.

ESHER (Chairman).
BEAUCAMP.
PLYMOUTH.
REDESDALE.
SCHOMBERG K. McDONNELL.
JOHN STIRLING MAXWELL.

16th May, 1911.

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His Excellency the Acting Governor directs that the subjoined description of the recently delimited portion of the Northern and Southern Nigeria boundary lying between the 7th and 8th meridian of east longitude be published for general information.

Commencing from a point 2½ miles east-south-east of Orichapwe the boundary runs in a straight line to a point 1½ miles north-west of Ojele (Ojiri); thence in a straight line to a point on the river Okura ¼ mile north-east of South Ogwura (Allokura); thence in a straight line to a point 1½ miles due east of Nkwor Angba; thence in a straight line to a point ½ mile south-south-east of Afor Adum; thence in a straight line to a point 1 mile south of Egga; and thence east-north-east in a straight line to its intersection with the Igga-Ogugu tribal boundary.

From this point the boundary proceeds eastward to the eastern limits of Oglewo in such a manner as to include the tribal areas of Otukpa, Obokolo, Edamoga, Agadagba, and Oglewo within Southern Nigeria, and those of Igga, Eitekepe, Iggarriga, Oginago, Apori, Awume, Oboju, and Okwiko in Northern Nigeria.

June, 1911.

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The Commission granted to Captain H. N. Kempthorne, to be a Justice of the Peace, which was notified on page 76 of Gazette No. 4 of 1911, has been cancelled.

THE following new Regulations respecting Foreign Orders and Medals which have been issued by His Majesty's command in substitution for those hitherto in force, are published for general information:—

The King has been pleased to command that the following Regulations respecting Foreign Orders and Medals shall be substituted for those hitherto in force:

1. IT is the King's wish that no subject of His Majesty shall wear the Insignia of any Foreign Order without having previously obtained His Majesty's permission to do so, signified either:

(a.) By Warrant under the Royal Sign-Manual, or
(b.) By private permission conveyed through His Majesty's Private Secretary.

2. Permission given by Warrant under the Royal Sign-Manual will enable the Insignia of the Foreign Order to be worn at all times and without any restriction.

Private permission will only enable the Insignia to be worn on the occasions specified in the terms of the letter from the King's Private Secretary conveying the Royal Sanction.

3. The full and unrestricted permission by Warrant under the Royal Sign-Manual is designed, subject to the exception mentioned in Rule 4 (a) respecting British Naval or Military Officers during hostilities, to meet cases where the Decoration may be said to have been earned by some valuable service rendered to the Head of the State conferring it, or to the State itself. The private or restricted permission is contemplated for Decorations which are more or less of a complimentary character. In either case, the matter will be submitted to the King by His Majesty's Principal Secretary of State for Foreign Affairs.

4. Full and unrestricted permission by Warrant under the Royal Sign-Manual is contemplated in the following cases:—

For a Decoration conferred—
(a.) On an Officer in His Majesty's Naval or Military Forces lent to a Foreign Government; on an Officer in His Majesty's Naval or Military Forces attached by his Government to a Foreign Navy or Army during hostilities; or on any British Official lent to a Foreign Government and not in receipt of any emoluments from British public funds during the period of such loan.

(b.) On any person not at the time in the service of the Crown, who, while himself outside the limits of His Majesty's Dominions, has rendered valuable services to the Head of the State conferring the Order, or to the State itself, within the period of two years immediately preceding the notification of the Decoration to His Majesty's Government provided for in Rule 5. The term "service of the Crown" (*supra*) comprises any person holding a Royal Commission, or any person in receipt of a salary from public funds in the United Kingdom, or in any British Dominion, Colony, or Protectorate.

(c.) On any British subject employed in a Foreign Embassy or Legation in the United Kingdom.

5. The desire of the Head of a Foreign State to confer upon a British subject the Insignia of an Order, or the fact that he has done so, must be notified to His Majesty's Principal Secretary of State for Foreign Affairs either through the British Diplomatic Representative accredited to the Head of the Foreign State, or through his Diplomatic Representative at the Court of St. James. His

Majesty's Principal Secretary of State for Foreign Affairs shall be under no obligation to consider claims that are not brought to his notice through one of these channels.

6. When His Majesty's Principal Secretary of State for Foreign Affairs shall have taken the King's pleasure on any such application, and shall have obtained His Majesty's permission for the person in whose favour it has been made to wear the Insignia of a Foreign Order, he shall signify the same to His Majesty's Principal Secretary of State for the Home Department in order that he may cause a Warrant, if it be a case for the issue of a Warrant as defined in Rule 4, to be prepared for the Royal Sign-Manual.

When such Warrant shall have been signed by the King, a notification thereof shall be inserted in the "Gazette," stating the service for which the Foreign Order has been conferred.

Persons in whose favour such Warrants are issued will be required to pay to His Majesty's Principal Secretary of State for the Home Department a stamp duty of 10s.

The Warrant signifying His Majesty's permission may, at the request and at the expense of the person who has obtained it, be registered in the College of Arms. Every such Warrant as aforesaid shall contain a clause providing that His Majesty's licence and permission do not authorise the assumption of any style, appellation, rank, precedence, or privilege, appertaining to a Knight Bachelor of His Majesty's Realms.

7. When a British subject has received the Royal permission to accept the Decoration of a Foreign Order, he will, at any future time, be allowed to accept the Decoration of a higher class of the same Order to which he may have become eligible by increase of rank in the Foreign Service, or in the service of his own country; or any other distinctive mark of honour strictly consequent upon the acceptance of the original Decoration, and common to every person upon whom such Decoration is conferred.

8. Medals which constitute a particular class of a Foreign Order are subject in all respects to the above Regulations in the same manner as higher grades of the Order, except that permission to wear will be given by Letter and not by Royal Warrant. The King's permission must be obtained for any other Medal to be worn. No permission is needed to accept a Foreign Medal if it is not intended to be worn.

9. Naval and Military Attachés to His Majesty's Missions abroad may, at the termination of their appointments, be given restricted private permission to wear, on certain specific occasions, the Insignia of a Foreign Order conferred upon them by the Chief of the State only in which their headquarters were situated.

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THE following Order of the King in Council of the 22nd of March, 1911, relating to the registry of Government Ships in the service of the Admiralty under Section 80 of the Merchant Shipping Act, 1906, is published for general information:—

ORDER IN COUNCIL, 1911.

At the Court at Buckingham Palace, the 22nd day of March, 1911.

PRESENT,

THE KING'S Most Excellent Majesty in Council.

WHEREAS by section 80 of the Merchant Shipping Act, 1906, power is given to His



LIST OF ABBREVIATED TELEGRAPHIC ADDRESSES OFFICIAL—(Continued.)

Full Address	Abbreviation for Telegrams
Senior Sanitary Officer, Junior Sanitary Officer	SANITATION
Chief Transport Officer, Transport Officers	
Postmaster-General, Assistant Postmaster-General (Postal)	POSTS
Postmaster-General, Assistant Postmaster-General (Telegraph)	TELEGRAPHS
Government Inspector of Mines	MINES
Cantonment Magistrate	MAGISTRATE
Land Officer and Chief Surveyor	SURVEYOR
Commissioner for Native Revenue	REVENUE
Director of Railways B. K. R.	DIRECTOR
Chief Construction Accountant B. K. R.	ACCOUNTANT
Traffic Superintendent B. K. R.	TRAFFIC
Chief Storekeeper B. K. R.	STORES
Local Auditor, Assistant Local Auditor	AUDIT

290 DAILY RISE AND FALL OF THE RIVER NIGER, TAKEN AT LOKOJA, FOR MONTH OF MAY 1911.

DATE.	RISE.		FALL.		TOTAL.		REMARKS.
	ins.	ft.	ins.	ft.	ins.	ft.	
1	—	—	—	—	—	—	
2	—	—	—	—	—	—	
3	—	—	—	—	—	—	
4	—	—	—	—	—	—	
5	—	—	—	—	—	—	
6	—	—	—	—	—	—	
7	—	—	—	—	—	—	
8	—	—	—	—	—	—	
9	—	—	—	—	—	—	
10	—	—	—	—	—	—	
11	—	—	—	—	—	—	
12	—	—	—	—	—	—	
13	—	—	—	—	—	—	
14	—	—	—	—	—	—	
15	—	—	—	—	—	—	
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27	—	—	—	—	—	—	
28	—	—	—	—	—	—	
29	—	—	—	—	—	—	
30	—	—	—	—	—	—	
31	—	—	—	—	—	—	
41 ins.		8½ ins.		Total Rise 2 ft. 8½ ins.			

291 RISE AND FALL OF THE RIVER BENUE FOR THE MONTH OF MAY 1911.

Date.	RIVER.		BENUE.	
	ins.	ft.	ins.	ft.
Week ending 7th	—	—	—	—
" " 14th	—	—	—	—
" " 21st	—	—	—	—
" " 28th	—	—	—	—
29th to 31st	—	—	—	—
Net Rise 8 ft. 6½ ins.		3 ft. 3 ins.		

292 RISE AND FALL OF THE RIVER KATSENA FOR THE MONTHS OF MAY AND JUNE 1911.

Date.	RIVER KATSENA.			
	MAY.		JUNE.	
	Rise	Fall.	Rise	Fall.
Week ending 7th	23	15	43	29
" " 14th	34	8	38	27
" " 21st	35	12	27	47
" " 28th	36	32	36	14
29th to 31st	8	6	32	9
Net Rise 5 ft. 3 ins.		4 ft. 2 ins.		

293 DAILY RISE AND FALL OF THE RIVER NIGER, TAKEN AT LOKOJA FOR MONTH OF JUNE 30th, 1911.

DATE.	RISE.		FALL.		TOTAL.		REMARKS.
	ins.	ft.	ins.	ft.	ins.	ft.	
1	—	—	—	—	—	—	
2	—	—	—	—	—	—	
3	—	—	—	—	—	—	
4	—	—	—	—	—	—	
5	—	—	—	—	—	—	
6	—	—	—	—	—	—	
7	—	—	—	—	—	—	
8	—	—	—	—	—	—	
9	—	—	—	—	—	—	
10	—	—	—	—	—	—	
11	—	—	—	—	—	—	
12	—	—	—	—	—	—	
13	—	—	—	—	—	—	
14	—	—	—	—	—	—	
15	—	—	—	—	—	—	
16	—	—	—	—	—	—	
17	—	—	—	—	—	—	
18	—	—	—	—	—	—	
19	—	—	—	—	—	—	
20	—	—	—	—	—	—	
21	—	—	—	—	—	—	
22	—	—	—	—	—	—	
23	—	—	—	—	—	—	
24	—	—	—	—	—	—	
25	—	—	—	—	—	—	
26	—	—	—	—	—	—	
27	—	—	—	—	—	—	
28	—	—	—	—	—	—	
29	—	—	—	—	—	—	
30	—	—	—	—	—	—	
35 ins.		7 ins.		Total Rise 2 ft. 4 ins.			

294 RISE AND FALL OF THE RIVER BENUE FOR THE MONTH OF JUNE 1911.

Date.	RIVER BENUE.			
	INS.		ABISSI.	
	Rise	Fall.	Rise	Fall.
1st to 4th	13	—	9½	—
Week ending 11th	25	2	18	—
" " 18th	23	2	20	—
" " 25th	13	2	21½	—
26th to 30th	12	2	14	—
Net Rise 6 ft. 6 ins.		6 ft. 11 ins.		

295 Errata.

The date of re-absorption of Lieut. G. B. Scott 1st Bn., N. N. Regt., is 24th May 1911, instead of as stated in the Gazette No. 10 of 31st October 1910.

The date of re-absorption of Lieut. N. C. Orr, 1st Bn., N. N. Regt., is 7th June 1911, instead of as stated in No. 178 of Gazette No. 4 of 29th April 1911.

Monthly Meteorological Return published in June Gazette numbered 271, should be 272.

296 Allowance of Proclamation.

THE Right Honourable the Secretary of State for the Colonies has informed the Governor that his Majesty will not be advised to exercise his power of disallowance with respect to the under-mentioned Proclamation of Northern Nigeria.

No. 4 of 1911 entitled "A Proclamation to make further provision with regard to the conveyance of postal matter."

297 Obituary.

His Excellency the Acting Governor announces with deep regret the death of Mr. K. K. S. Timity, Inspector of Police, Police Department, which occurred at Ilorin on the 6th July 1911.

By His Excellency's Command,
G. R. MATTHEWS,
Acting Chief Secretary.

The Chief Secretary's Office,
Zungeru, Northern Nigeria,
31st July, 1911.

298 In the matter of the Estate of the late Mr. G. W. Tago, Clerk, Niger Company, (Deceased.)

NOTICE is hereby given that all Creditors and other persons having any claim or demands upon or against the estate of the late Mr. G. W. Tago, Clerk, Niger Company, deceased, who died at Leaba in the month of May, 1910, intestate, are hereby requested to send in particulars of their claims or demands to the Assistant Resident, Jebba on or before the 30th September, 1911.

And all persons indebted to the said estate are hereby requested to make immediate payment forthwith.

Dated at Zungeru this 30th day of June, 1911.

E. J. CAMPBELL,
Acting Registrar, Supreme Court.
Ex-officio Administrator.



299 The following have been granted under the Minerals Proclamation No. 9 of 1910 Schedule Chapter LXIV during the months of May, June and July 1911.

PROSPECTING RIGHTS

No.	To whom granted.	Period.	Date.		Remarks.
			From	To	
56	C. T. Millett ...	One year	1st May 1911	30th April 1912	Cancelled <i>vide</i> Prospecting Right No. 63.
57	S. J. Merifield ...	"	"	"	
58	W. S. Duncan ...	"	12th May 1911	11th May 1912	
59	H. E. Nicholls ...	"	29th May 1911	28th May 1912	
60	H. M. Saunders ...	"	"	"	
61	T. Williams ...	"	19th June 1911	18th June 1912	
62	H. B. Bateman ...	"	3rd May 1911	2nd May 1912	
63	J. L. Jeffery ...	"	1st July 1911	30th June 1912	
64	I. H. Storey ...	"	"	"	
65	Sir R. Pole Carew ...	"	"	"	
66	T. Lees Fields ...	"	"	"	
67	John Gilbert ...	"	7th July 1911	6th July 1912	
68	L. H. Bennett ...	"	13th July 1911	12th July 1912	
69	M. Perceval ...	"	24th July 1911	23rd July 1912	
70	W. B. Hawkes ...	"	28th July 1911	27th July 1912	
71	M. K. Jonah ...	"	"	"	

EXCLUSIVE PROSPECTING LICENCES.

No.	To whom granted.	Area.	Locality.	Period.	Date.		Remarks.
					From.	To	
243	Lucky Chance Mines Ltd. ...	4½ Sq. miles	Bilidi River, Bauchi Prov.	One year	1st Jan. 1911	31st Dec. 1911	
244	do. ...	1.32 "	" " " "	"	4th May 1911	3rd May 1912	
245	Tia Areas of Nigeria Ltd. ...	3 "	Dinga " " "	"	"	"	
246	Badiko Syndicate Ltd. ...	3 "	Bekinfu " " "	"	"	"	
247	Anglo Continental Mines Co. Ltd. ...	2 "	Waterfall Creek " " "	"	"	"	
248	Alluvial Tin Syndicate (Nigeria) Ltd. ...	1 "	Shikobo River " " "	"	"	"	
249	do. ...	3 "	Limoro " " "	"	"	"	
250	do. ...	3 "	" " " "	"	"	"	
251	do. ...	2 "	" " " "	"	1st April 1911	31st Mar. 1912	
252	Walter Wethered ...	3 "	Bakura " " "	"	4th May 1911	3rd May 1912	
253	Nigerian Tin Corporation Ltd. ...	2 "	Salerna " " "	"	"	"	
254	Cornwall Nigeria Tin Syndicate Ltd. ...	5 "	Bukuru " " "	"	"	"	
255	do. ...	2 "	Rukuba District " " "	"	"	"	
256	do. ...	2 "	Kiss River " " "	"	1st Jan. 1911	31st Dec. 1911	
257	Niger Company Ltd. ...	2.93 "	Forum No. 2 " " "	"	7th Mar. 1911	6th Mar. 1912	
258	do. ...	2½ "	Fefan " 1 " "	"	"	"	

EXCLUSIVE PROSPECTING LICENCES.—(Continued).

No.	To whom granted.	Area.	Locality.	Period.	Date.		Remarks.
					From	To	
259	Niger Company Ltd. ...	3 sq. miles	Fefan No. 2 Bauchi Prov.	1 year	7th Mar. 1911	6th Mar. 1912	
260	do. ...	5 "	Forum " 1 " "	"	1st Jan. 1911	31st Dec. 1911	
261	Fabrak (Nigeria) Tin Ltd. ...	2 "	Scillan River " " "	"	9th May 1911	8th May 1912	
262	do. ...	2 "	West of Ningi " " "	"	"	"	
263	Northern Nigeria (Bauchi) Tin Mines Ltd. ...	1½ "	Goll River " " "	"	"	"	
264	Lake View Consols Ltd. ...	12 "	Woninya River " " "	"	1st June 1911	31st May 1912	
265	Niger Company " ...	1 "	Lode Area " " "	"	7th Mar. 1911	6th Mar. 1912	
266	Gongola Syndicate " ...	21 "	Rein River " " "	"	1st June 1911	31st May 1912	
267	Darymasu (W.C.) Development Co. Ltd. ...	2½ "	Lafon " " "	"	"	"	
268	Naraguta (Nigeria) Tin Mines Ltd. ...	2 "	Naraguta " " "	"	"	"	
269	do. ...	1½ "	" " " "	"	"	"	
270	do. ...	1 "	" " " "	"	"	"	
271	do. ...	1 "	" " " "	"	"	"	
272	do. ...	2 "	" " " "	"	"	"	
273	do. ...	1 "	" " " "	"	"	"	
274	do. ...	1 "	" " " "	"	1st Jan. 1911	31st Dec. 1911	
275	W. Mertens & Co. ...	16 "	Jarawa River " " "	"	"	"	
276	do. ...	6 "	" " " "	"	"	"	
277	Northern Nigeria Mining and Exploration Co. Ltd. ...	5½ "	Delimi " " "	"	1st June 1911	31st May 1912	
278	Niger Company Ltd. ...	6.605 "	Buri " " "	"	"	"	
279	Rayfield Syndicate Ltd. ...	2 "	Lafon " " "	"	"	"	
280	Northern Nigeria Development Co Ltd. ...	1 "	Vom Stream " " "	"	"	"	
281	Eastern Contractor Syndicate Ltd. ...	3 "	Jarawa River " " "	"	"	"	
282	Niger Company Ltd. ...	1 "	UD Creek Forum " " "	"	"	"	
283	Rayfield Syndicate Ltd. ...	3 "	Kokindigin River " " "	"	"	"	
284	do. ...	1 "	Delimi " " "	"	1st June 1911	31st May 1912	
285	do. ...	1½ "	" " " "	"	17th June 1911	16th June 1912	
286	Faith Syndicate Ltd. ...	1 "	Masaba " " "	"	"	"	
287	do. ...	1 "	Saluma " " "	"	1st June 1911	31st May 1912	
288	Niger Company Ltd. ...	12 "	Sum " " "	"	1st July 1911	30th June 1912	
289	R. Neil Smith ...	1 "	Kudum " " "	"	"	"	
290	Niger Company Ltd. ...	1 "	Forum Area No. 3 " " "	"	"	"	
291	do. ...	3 "	" " " 4 " " "	"	"	"	
292	do. ...	2 "	Bukuru " " "	"	"	"	
293	Geru Tin Syndicate Ltd. ...	12 "	Geri River " " "	"	"	"	
294	Tin Areas of Nigeria " ...	1.2 "	Jos " " "	"	"	"	
295	Sybu Syndicate " ...	5.29 "	Jarawa River " " "	"	"	"	
296	do. ...	5.81 "	Goblin " " "	"	"	"	
297	Tin Areas of Nigeria " ...	1.7 "	Fefan " " "	"	14th July 1911	13th July 1912	
298	Nigerian Plateau " ...	1 "	Kogin Buree " " "	"	"	"	
299	do. ...	1 "	Kuskie Area " " "	"	"	"	
300	do. ...	1 "	" " " "	"	"	"	

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EXCLUSIVE PROSPECTING LICENCES.—(Continued.)

No.	To whom granted.	Area.	Locality.	Period.	Date.		Remarks.
					From	To.	
301	Nigerian Plateau Ltd. ...	3½ sq. miles	Kogin Malanzangi (Bauchi Prov.)	1 year	14th July 1911	13th July 1912	
302	do. ...	1 "	Kuskie "	"	7th Mar. 1911	6th Mar. 1912	
303	Niger Company Ltd. ...	1.15 "	Ribon Valley "	"	10th July 1911	9th July 1912	
304	Jauro Syndicate Ltd. ...	15.9 "	Rop Area No. 1 "	"	"	"	
305	do. ...	15.7 "	" " 2 "	"	"	"	
306	do. ...	15.9 "	" " 3 "	"	"	"	
307	do. ...	14.1 "	" " 4 "	"	11th July 1911	10th July 1912	
308	Benue (N.N.) Tin Mines Ltd	1.32 "	Rafin Tipitheco "	"	"	"	
309	do. ...	3 "	" " "	"	"	"	
310	W. Mertens & Co. ...	3 "	Jarawa River "	"	16th July 1911	15th July 1912	
311	Geri Tin Syndicate Ltd. ...	4½ "	Timber Creek "	"	14th July 1911	13th July 1912	
312	Fabrak (Nigeria) Tin Ltd. ...	3 "	Seillan River "	"	"	"	

MINING LEASES (ALLUVIAL.)

No.	To whom granted.	Area.	Locality.	Period.	Date.	Remarks.
301	U Niger Company Ltd. ...	560 acres.	Biaichi River Bauchi Prov.	21 years	1st May 1911	
	V do. ...	735 "	" " " "	"	"	
	W do. ...	641 "	" " " "	"	6th May 1911	
	X Nigerian Tin Corporation Ltd.	230 "	Kadera " " "	"	23rd Jan. 1911	
	Y Benue (N. N.) Tin Mines Ltd.	120 "	Mawan " " "	"	19th April 1911	
	Z Naraguta (Nigeria) Tin Mines Ltd.	297 "	Delimi " " "	"	"	
	AA do. ...	510 "	Rafin Oro & Pi " " "	"	26th April 1911	
	AB Niger Company Ltd. ...	800 "	Ningi No. 1 " " "	"	"	
	AC do. ...	800 "	" " 2 " " "	"	"	
	AD do. ...	800 "	" " 3 " " "	"	"	
	AE do. ...	800 "	" " 4 " " "	"	"	
	AF do. ...	800 "	" " 5 " " "	"	"	
	AG do. ...	800 "	" " 6 " " "	"	"	
	AH do. ...	800 "	" " 7 " " "	"	17th Mar. 1911	
	AI Anglo Continental Mines Co. Ltd.	320 "	Gurum River " " "	"	"	
	AJ do. ...	651 "	" " " " "	"	19th April 1911	
	AK Niger Company Ltd. ...	351-51 "	Ngell Stream No. 3 " " "	"	26th April 1911	
	AL Rayfield Syndicate Ltd. ...	695 "	Lafon River Bauchi Prov.	"	19th April 1911	
	AM Nigerian Tin Corporation Ltd.	320 "	Dandori " " "	"	4th May 1911	
	AN Champion Gold Reefs of West Africa Ltd.	123-970 "	Juga " " "	"	"	
	AO do. ...	136-260 "	" " " " "	"	"	
	AP do. ...	107-045 "	" " " " "	"	"	
	AQ do. ...	145-925 "	" " " " "	"	25th May 1911	
	AR Walter Wethered ...	251.7 "	Shen " " "	"	23rd Mar. 1911	
	AS Geri Tin Syndicate Ltd. ...	582 "	Buji " " "	"	"	
	AT do. ...	800 "	Teria " " "	"	27th June 1911	
	AU Lucky Chance Mines Ltd. ...	84 "	Polchi " " "	"	"	

Commission.

The following Commissions have been issued:—

Name.	Appointment.	Nature of Commission.	Province.	Period.	Date of Commission.
Mr. D. Hollis ...	Assistant Resident ...	To exercise full Judicial powers of a Resident	Kano ...	Whilst in charge of Katagum Division, Kano Province	6th July 1911.
Capt. H. N. Kempthorne	Chief Surveyor ...	To exercise the powers of a Justice of the Peace	Bauchi ...	When absent from Naraguta only in charge of the field party	11th July 1911.
Capt J. F. J. Fitzpatrick ...	Assistant Resident ...	To exercise full Judicial powers of a Resident	Zaria ...	Whilst stationed in Zaria Province	15th July 1911.

Powers of Commanding Officer.

Under the provisions of Proclamation No. 9 of 1910 Schedule, Chapter XVIII, section 40, the Commandant, Northern Nigeria Regiment, West African Frontier Force, has, with the concurrence of the Governor, conferred the Powers of Commanding Officer on the following officer:—

Rank and Name.	Unit.	Whilst commanding Detachment at	Date of Warrant.	Remarks.
Lieut. P. F. Keene ...	1st Bn., N. N. Regt. ...	Zuru ...	6th July 1911.	
Lieut. T. R. Bowlby ...	do. ...	Birnin-Kebbi ...	do.	
Capt. L. C. Brodie ...	Mounted Infantry, N. N. R. ...	Geidam ...	12th July 1911.	
Lieut. C. P. James ...	2nd Bn., N. N. Regt. ...	Nafada ...	21st July 1911.	
Lieut. G. R. K. Evatt ...	1st Bn., N. N. Regt. ...	Jemaa-n-Daroro ...	26th July 1911.	



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Termination of Appointments.

Name.	Appointment.	Department.	With effect from.	Remarks.
Mr. C. E. Stephens	Stores-yard Foreman	Baro-Kano Railway	6th Dec. 1910.	
Mr. R. N. Tompson	Locomotive Fitter	do.	22nd May 1911.	Reabsorbed under India Office.
Mr. H. B. Grimley	Transport Officer	Transport	31st May 1911	
NATIVE STAFF. Mr. M. J. A. Johnson	4th Grade Clerk	Chief Secretary's	23rd May 1911	Over stayed leave.

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Transfers.

Name.	Appointment.	Transferred to.	New Appointment.	With effect from.
Dr. A. Ingram	Medical Officer, B.K.R.	Gold Coast	Medical Officer	19th April 1911.
NATIVE STAFF. Mr. E. M. Jones	4th Grade Clerk, Transport	Baro-Kano Railway	Unclassified Clerk	1st April 1911.
Mr. Lewis Nicol	4th Grade Clerk, Provincial Administration	Treasury	4th Grade Clerk	27th June 1911.
Mr. J. M. Dickens	do.	Customs	do.	11th July 1911.

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Permanent Staff.

The undermentioned Native Officials, having completed three years service are, with the approval of His Excellency the Acting Governor, placed on the Permanent Staff of the Protectorate from the date stated against their names:—

Name.	Appointment.	Department.	With effect from.	Remarks.
Mr. J. S. Williams	2nd Class Compositor	Chief Secretary's, (Printing Branch)	11th February 1908.	
Mr. Y. E. Aacht	3rd Grade Clerk	Treasury	11th April 1908.	
Mr. M. C. Johnson	Machine Printer	Chief Secretary's, (Printing Branch)	21st April 1908.	
Mr. W. C. Daniels	3rd Grade Clerk	Chief Secretary's	3rd July 1908.	

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Resignations.

Name.	Appointment.	Department.	With effect from	Remarks.
Captain J. J. Brocklebank, D.S.O.	Assistant Resident	Provincial Administration	17th April 1911.	
NATIVE STAFF. Mr. J. R. Allotey	Senior Warder	Prisons	28th June 1911.	
Mr. F. J. Hooke	2nd Grade Clerk	Marine	30th June 1911.	
Mr. C. E. Rose	Senior Warder	Prisons	31st July 1911.	

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Dismissal.

Name.	Appointment.	Department.	With effect from	Remarks.
NATIVE STAFF. Yesufu	Dresser	Medical	1st June 1911.	
Mr. W. A. Williams	4th Grade Clerk	Marine	5th June 1911.	

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QUARTERLY SUMMARY OF CANTONMENT ACCOUNTS, ZUNGERU.

FROM 1ST JANUARY TO 31ST MARCH, 1911

		Receipts.						Expenditure.					
		£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
January 1	To balance cash on hand ...				22	5	11	By Pay of Staff ...			101	5	0
	" Cantonment Rates ...				2	16	3	" Cantonment Labour & Conservancy ...			107	1	3
	" Conservancy Fees ...				32	17	0	" Miscellaneous Payment ...			1	10	0
	" Miscellaneous, Poundage &c....				36	14	6	" Payment of Audit of Cantonment Fund			6	0	0
	" Grant from Treasury ...				156	8	7	" Sundries ...			0	12	6
	" Refund of Zana mats accts. &c.				12	0	10	" Refund of Conservancy Fees ...			0	12	0
	" Advances from Treasury ...				14	18	6	" Purchase of Zana mats ...			57	11	5
								" Balance Cash on hand ...			3	9	5
					278	1	7				278	1	7

Zungeru,
31st March, 1911.

Examined and found correct.
J. D. M. BOURNE,
Acting Local Auditor.

H. C. HALL,
Cantonment Magistrate.

209 OFFICIAL
THE NORTHERN NIGERIA GAZETTE.
JULY 31, 1911.

QUARTERLY SUMMARY OF CANTONMENT ACCOUNTS, ZUNGERU.

1ST APRIL TO 30TH JUNE, 1911.

1911	Receipts.						1911	Payments.					
		£	s.	d.			By amount expended as under:—	£	s.	d.	£	s.	d.
April 1,	To Balance Cash on hand ...				3	9	5	" Pay to Sarikin Dilali for collecting Market dues }			1	10	0
	" Conservancy Fees ...				32	16	0	" Sundries ... }			0	18	1
	" Cantonment Rates ...				13	7	0	" Conservancy Labour ...			65	9	1
	" Refund Zana mats accounts ...				4	9	2	" Cantonment " ...			27	17	0
	" Grant from Treasury ...				148	16	0	" Pay of Staff ...			79	5	0
	" Butchers Tax ...				26	19	3	" Cash paid to Mr. Thomas D.R.			2	10	0
	" Market dues ...				10	6	3	" Auditor's pay Feb. and Mar. ...			6	0	0
	" Miscellaneous ...				0	1	3	" Sanitation ...			36	2	9
								" Pay to Sarikin pawa for collecting butcher's tax }			6	0	0
								" Balance cash on hand ...			14	12	5
					240	4	4				240	4	4

Zungeru,
30th June, 1911.

Audited and found correct.
J. D. M. BOURNE,
Acting Local Auditor.
11th July 1911.

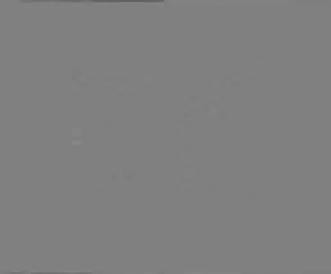
H. C. HALL,
Cantonment Magistrate.

JULY 31, 1911.
THE NORTHERN NIGERIA GAZETTE.
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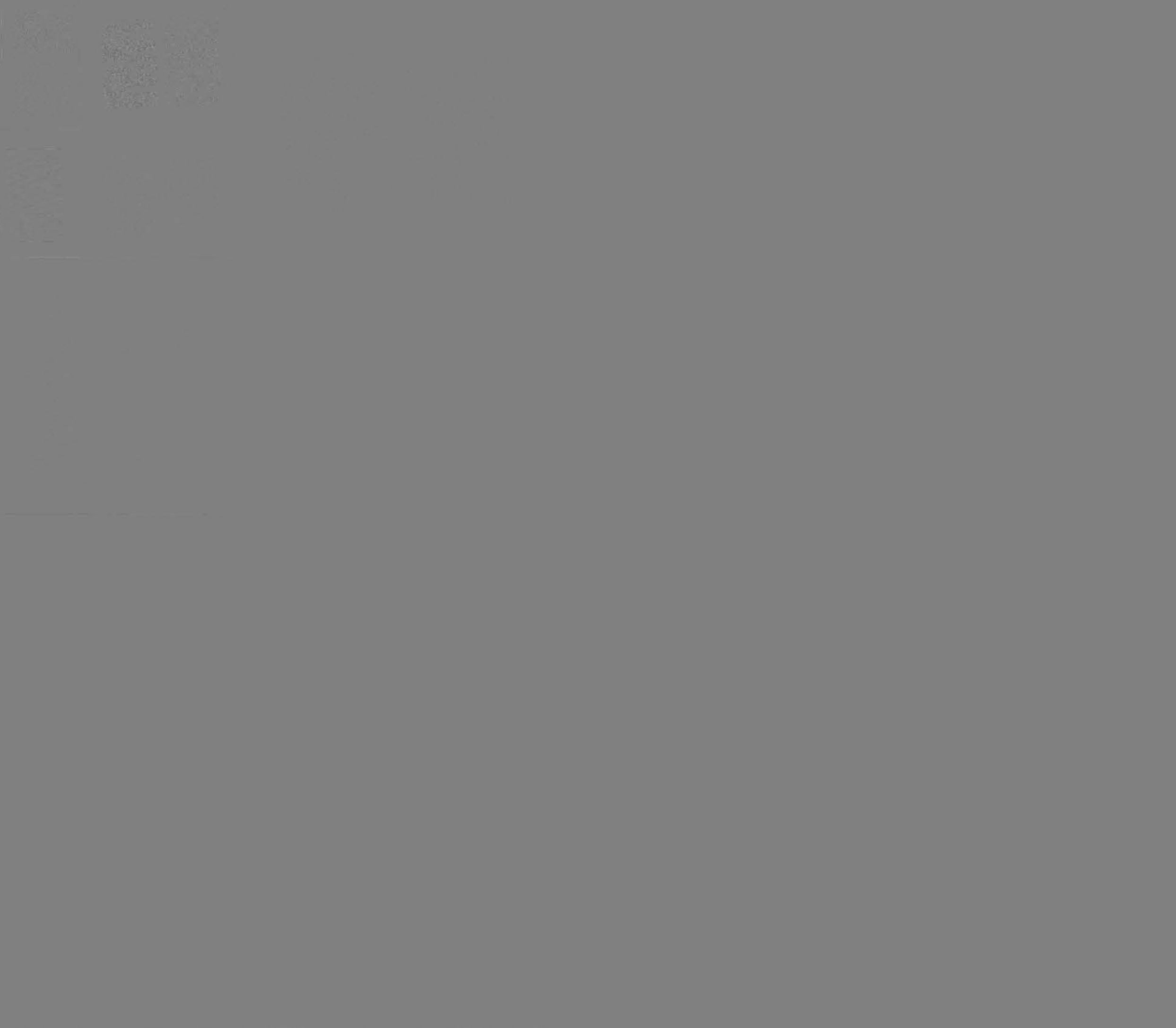


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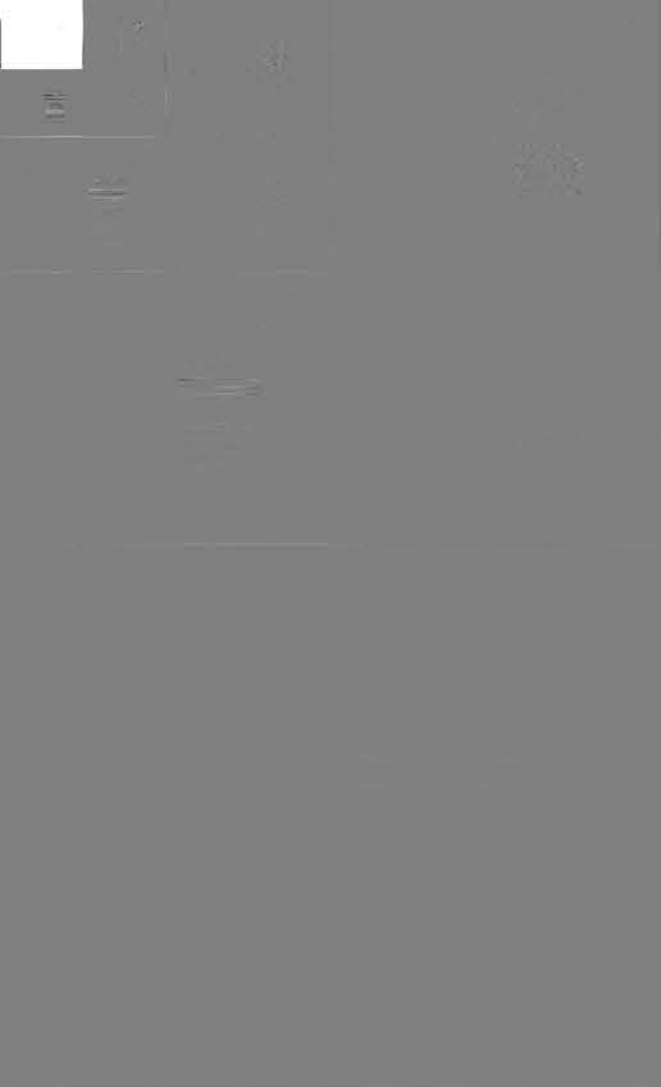












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