

## **Annual report of the Medical Department / Colony of Seychelles.**

### **Contributors**

Seychelles. Medical Department.

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Colony of Seychelles.

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# ANNUAL REPORT

OF THE

MEDICAL DEPARTMENT

FOR THE

YEAR 1913.

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Published by Command of His Excellency the Governor.

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VICTORIA :

PRINTED AT THE GOVERNMENT PRINTING OFFICE,

SEYCHELLES.

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1914.

Colony of Seychelles

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# ANNUAL REPORT

OF THE

MEDICAL DEPARTMENT

FOR THE YEAR

1913.

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## CHAPTER I.

### VITAL STATISTICS.

*Estimated population.*— The estimated population of the Colony at the end of 1912 was 23,507; at the end of 1913 it was 23,777, an increase of 270.

Annexure I, shows the number of arrivals and departures from the Colony, and the number of births and deaths during the year.

*Birth rate.*— The total number of births registered during the year was 778 being 32.72 per thousand of the estimated population, 1.84 per thousand higher than 1912.

*Death rate.*— The total number of deaths was 363 giving a mortality of 15.26 per thousand. The death rate is also higher than 1912 when it was 14.76 per thousand.

There were 123 deaths of children under 5 years of age and of these 66 were under one year of age.

## CHAPTER II.

### METEOROLOGICAL STATISTICS.

*Mean temperature.*— The mean temperature for the year was 79.7, lower than last year when it was 80.2.

The hottest month was this year May, and the coolest August. March and December were the wettest months of the year.

*Rainfall.*— The total amount of rain that fell during the year was 67.31 inches, this is below the average. The rainfall for 1912 was 105 inches.

September this year was the driest month with a fall of only 0.24 inches.

*Winds.*— The moonsoon blew this year from May and lasted until late in November.

Annexure II shows the monthly temperature, rainfall and deaths.



## CHAPTER III.

## DISEASES PREVALENT DURING THE YEAR.

*Beri-beri*.—There were no epidemic diseases during the year.

It is highly satisfactory to note that this disease has practically ceased to exist, having been stamped out by the use of unpolished instead of polished rice, the few cases seen came from the more sparsely populated islands whose owners have not yet been persuaded to change the rice used, the price of the polished rice being lower than that of the unpolished variety.

*Dysentery*.—2. There was rather more dysentery than usual during the year, treatment by means of emetine was commenced and gave the most excellent results; cases of chronic dysentery which had been going from bad to worse for months in spite of all treatment were cured within a few days, and the result in acute cases was equally good. The available supply of the drug was limited so routine treatment by it was therefore impossible, but from the results obtained one feels justified in saying that dysentery, about the only tropical disease which gives trouble in the Colony, need no longer be feared.

*Chiggers*.—The Island of Assomption unfortunately has become badly infected with Chiggers, the infection apparently being introduced by labourers coming from the Madagascar Islands. All vessels coming from Assomption are subject to medical inspection and labourers are not allowed to proceed home until they have been thoroughly examined. In spite of these precautions a certain number of cases have escaped detection and have formed loci of infection, all persons infected are bound, under penalty of fine, to report themselves for treatment to the nearest medical officer and the police are instructed to keep a sharp look out for infected persons. It is not probably that Mahé will become badly infected, the sloping ground subject to thorough flushing during the heavy rains cannot form a suitable nidus for the parasites. The condition of things in the low lying sandy outlying islands is different and it is to be feared that considerable difficulty will be experienced in eradicating the pest.

## CHAPTER IV.

## STATE OF TOWN OF VICTORIA.

A new departure was made during the year by the appointment of a Quarantine Inspector whose duties were to assist the Sanitary Inspector in his work and with the aid of a labourer to make a campaign against rats; formerly so much per tail was given to persons bringing them to the Police station; the money spent in this way in the Central District was made to pay for the new officials.

The plan worked well. The chief places infected with rats were the store houses, customs shed, etc., on the Long Pier; by means of traps and poison these places have been practically cleared.

The traps were also placed about the premises of the merchants in town who stored articles appreciated by rats. In all 1859 rats were accounted for.

House to house visitations were made all through the year and householders were obliged to keep their premises clean, and free from mosquito breeding receptacles.

The general sanitary condition of the town was satisfactory, some useful work was done in paving the beds of some of the streams traversing the town, thus rendering them easier to keep clean and freer from mud.

## CHAPTER V.

## REPORTS OF THE ASSISTANT MEDICAL OFFICERS.

Both the Assistant Medical Officers notice the prevalence of Ankylostomiasis in their districts; this disease is far more common in the country districts than in town, and the cases seen in town all come from the country districts. This is due to the fact that in town latrines are in use whereas in the country the people deposit their excreta anywhere. It is doubtful what measures can be successfully taken to combat this; it is very difficult to persuade the natives to listen to any sort of reason in a question of this sort; and any sort of legislation compelling the people to use latrines would be impossible to control, further more such latrines would certainly be allowed to get into a filthy state and the staff of the sanitary department is not sufficiently large to allow of frequent visitation of every hut all over the country.

## CHAPTER VI.

## VACCINATION.

The vaccine lymph supplied by the Apothecaries Hall of London continued to give good results; 379 children were vaccinated and with the exception of two all were successful the first time, these two cases were successful at a second trial.

The lymph is received monthly and is kept on ice, the amount has been increased in order to always have a stock in hand in case of necessity.

## CHAPTER VII.

## QUARANTINE.

The quarantine station was frequently used during the year, Small pox having been prevalent in Mauritius and Mombasa.

Much needed repairs to the second station and provision of a third station are to be taken in hand during 1914.

The cargo of all vessels from infected ports are fumigated and the luggage of passengers sterilised by Reck's disinfectant on Hodoul Island before delivery.

## CHAPTER VIII.

## HOSPITAL AND DISPENSARIES.

*Inpatients.*—The total number of in-patients treated in the Victoria Hospital was 555, 18 less than in 1912.

*Outpatients.*—The total attendance of the outpatient department was 1241. Increased accommodation in the female side including provision of 2 private wards will be arranged for during 1914.

75 operations were performed during the year. The Maternity Home has continued to be extremely popular; 204 patients were admitted and 166 babies were born. The accommodation has been increased. The house which was purchased in 1913 was turned into quarters for the staff, the old quarters being used as six wards, two as first class and four as second class.

A new European Nurse Miss D. Leonard, of the Colonial Nursing Association, arrived on 11th February 1913 to assist the Matron and has been of great help.

During the year 2 certificates were issued to new midwives who passed their examinations after a period of training at the Home.



**Pharmacy.**— Provision was made for better stocking of the Government Pharmacy where drugs etc., are sold to the public, there being no chemist's store; the improvement was much appreciated by the inhabitants.

**Staff.**— The only change in the hospital staff was the retirement of Sister Katherine who for 23 years was attached to the Victoria Hospital, where she worked with devotion, and is much regretted; Sister Herbert was appointed to replace Sister Katherine.

J. B. ADDISON,

Chief Medical Officer.

Seychelles

17 February, 1914

## ANNEXURE I.

	Males	Females	Total	AGES AT WHICH DEATH HAS OCCURRED.							
				Under 1 year		1 to 5 years		6 to 70 years		70 to 100 years	
				M	F	M	F	M	F	M	F
Estimated Population on 31st December 1912	11,983	11,524	23,507								
Births during 1913	386	392	778								
Arrival during 1913	237	74	311								
Decrease by deaths	190	173	363								
Decrease by departures	377	79	456								
Estimated population on 31st Dec 1913	12,039	11,738	23,777	40	26	32	25	42	84	23	29
				66		57		76		52	
Net increase during 1913	56	214	270							2	
										137	116
											253

Birth rate during 1913 per thousand 32.72  
 Death rate " 1913 " 15.26



ANNEXURE II  
Meteorological returns for 1913.

1913	Months	TEMPERATURE							Rainfall		Winds		Deaths per month	Remarks
		Barometer	Solar Maximum	Minimum on grass	Shade Maximum	Shade Minimum	Range	Mean	Amount in Inches	Depth of Humi- dity	Direction of Wind	Average force		
	January	30.12	103.2	74.0	82.7	76.8	5.9	79.7	6.39	80	NW.	6.4	23	
	February	30.08	118.6	74.1	84.5	77.7	6.8	81.1	7.31	80	NW.	4.9	30	
	March	30.07	120.2	74.9	84.3	76.5	7.9	80.4	11.14	82	NW.	5.9	30	
	April	30.08	122.2	73.4	80.0	78.4	1.6	79.2	4.96	81	NE.	4.2	27	
	May	30.07	123.6	72.2	84.9	79.0	5.9	82.9	2.71	77	SE.	9.0	35	
	June	30.09	114.0	73.2	82.6	77.5	5.1	80.0	3.34	71	SE.	12.8	37	
	July	30.14	113.3	72.5	80.9	76.1	4.8	78.5	4.41	95	SE.	12.1	29	
	August	30.15	120.7	72.4	80.5	75.9	4.6	78.2	2.35	79	SF.	13.1	48	
	September	30.16	127.4	72.3	81.1	75.8	5.3	78.4	0.24	78	SE.	11.2	28	
	October	30.16	116.4	72.9	82.2	77.0	5.2	79.6	2.50	87	SE.	7.3	26	
	November	30.13	112.4	73.1	83.3	76.1	7.2	79.7	8.34	80	SE.	4.9	25	
	December	30.13	103.2	73.5	82.8	76.7	6.1	79.7	13.72	83	NW.	5.2	25	

# ANNEXURE III.

RETURN OF PATIENTS TREATED AT THE DISPENSARIES.										RESULT OF CASES TREATED AT THE VICTORIA HOSPITAL.									
Month.	Victoria Hospital		Anse Royale		Anse Boileau		Praslin		Total	Sexes	Remaining in Hospital at the end of 1912.	Admitted during 1913	Total treated	Cured	Relieved	Unrelieved	Died	Remaining at the end of 1913	Total
	M	F	M	F	M	F	M	F											
January	27	67	25	14	2	5	23	10	173	Males	21	391	412	340	21	11	18	22	412
February	24	89	11	28	...	1	28	7	183	Females	1	122	123	81	9	15	10	8	123
March	33	56	7	13	2	2	30	8	150										
April	27	100	10	16	...	7	25	18	198										
May	34	112	13	20	...	3	33	12	231										
June	26	99	13	13	...	1	33	19	206										
July	24	81	13	7	1	1	51	11	189										
August	29	72	15	15	...	1	52	11	195										
September	25	47	9	7	...	1	42	11	142										
October	29	77	7	8	1	1	28	4	155										
November	17	63	10	12	...	...	22	10	134										
December	29	54	10	14	1	...	34	17	159										
Total	324	917	143	167	7	23	401	138	2,120	Total	22	513	535	421	30	26	28	30	535

## QUESTION V.

Return of Diseases and Deaths in 1913 at the Victoria Hospital.

Diseases.	Remaining in Hospital at end of 1912.	Yearly Total.		Total Cases Treated	Remaining in Hospital at end of 1913.	Remarks.
		Admissions.	Deaths.			
<i>General.</i>						
Anæmia	...	12	...	12	2	
Beriberi	...	5	...	5	1	
Debility	...	10	...	10	2	
Dysentery	1	35	3	36	...	
Febricula	1	...	...	1	...	
Fever continued	...	1	...	1	...	
„ Malaria	...	1	...	1	...	
Gonorrhœa	...	2	...	2	...	
„ Rheumatism	1	4	...	5	...	
Influenza	1	7	...	8	...	
Old Age	...	11	2	11	1	
Tuberculosis	...	12	1	12	1	
Rheumatism	...	13	...	23	...	
Syphilis	1	11	...	12	2	
Tetanus	...	3	1	3	...	
Malingering	...	3	...	3	...	
<i>Diseases of Nervous System.</i>						
Cerebral Hæmorrhage	...	1	1	1	...	
Convulsions	...	1	1	1	...	
Hemiplegia	...	2	...	2	...	
Lumbago	...	1	...	1	...	
Paralysis	...	5	...	5	...	
Neuritis	...	5	...	5	1	
Syncope	...	1	...	1	...	
<i>Diseases of the Eye.</i>						
Blind	...	1	...	1	...	
Conjunctivitis	...	1	...	1	...	
Keratitis	...	1	...	1	...	
<i>Diseases of the Throat.</i>						
Parotitis	...	1	...	1	...	
Tonsilitis	...	1	...	1	...	
<i>Diseases of the Mouth</i>						
Cleft Palate	...	1	...	1	...	
Stomatitis	...	1	...	1	...	
<i>Diseases of the Circulatory System.</i>						
Aneurism	1	...	...	1	...	
Cardiac	...	10	2	10	3	
<i>Diseases of the Respiratory System.</i>						
Asthma	...	4	...	4	...	
Bronchitis	1	13	...	14	...	
Empyema	...	3	1	3	...	
Pleurisy	1	6	...	7	...	
Carried forward	8	199	12	207	13	



## QUESTION V.

## Return of Diseases and Deaths in 1913 at the Victoria Hospital.

Diseases.	Remaining in Hospital at end of 1912.	Yearly Total.		Total Cases Treated	Remaining in Hospital at end of 1913.	Remarks.
		Admissions.	Deaths.			
Brought forward	8	199	12	207	13	
<i>Diseases of the Digestive System.</i>						
Abdominal tumour	...	1	...	1	...	
Ascites	...	1	...	1	...	
Cancer of stomach	...	2	1	2	...	
Cancer of liver	...	2	...	2	1	
Dyspepsia	...	9	...	9	...	
Diarrhoea	...	9	...	9	2	
Enteritis	...	3	1	3	...	
Gastro-Enteritis	...	1	1	1	...	
Gastritis	1	3	...	4	...	
Hæmorrhoids	1	1	...	2	...	
Hernia	...	6	...	6	...	
„ strangulated	1	3	2	4	...	
Hepatitis	...	3	...	3	...	
Jaundice	...	2	1	2	...	
Liver abscess	1	5	1	6	...	
Peritonitis	...	2	2	2	...	
Intestinal obstruction	...	1	...	1	...	
Constipation	...	17	...	17	...	
<i>Diseases of the Urinary System.</i>						
Cystitis	1	6	...	7	...	
Retention of Urine	...	7	1	7	...	
Stricture	...	1	...	1	...	
Uremia	...	2	2	2	...	
Urinary fistula	1	...	...	1	...	
<i>Diseases of the Generative System.</i>						
(MALE ORGANS).						
Hydrocele	...	7	...	7	...	
Orchitis	...	2	...	2	...	
Gangrene of scrotum	...	1	...	1	...	
(FEMALE ORGANS).						
Cancer of cervix	...	1	1	1	...	
Fibroids	...	5	2	5	...	
Menorrhagia	...	1	...	1	...	
Ovaritis	...	1	...	1	...	
Prolapsus Uteri	...	2	...	2	...	
Salpingitis	...	2	...	2	...	
Puerperal sepsis	...	1	...	1	1	
<i>Diseases of Locomotion.</i>						
Septic foot	...	39	...	39	2	
„ toe	...	3	...	3	1	
„ hand	...	8	...	8	...	
Synovitis	...	2	...	2	...	
„ Teno	...	1	...	1	...	
Talipes	...	1	...	1	...	
Gangrene of leg	...	2	...	2	...	
Necrosis of femur	...	1	...	1	1	
Carried forward	14	366	27	380	21	

## Return of Diseases and Deaths in 1913 at the Victoria Hospital.

Diseases.	Remaining in Hospital at end of 1912.	Yearly Total.		Total Cases Treated.	Remaining in Hospital at end of 1913.	Remarks.
		Admissions	Deaths			
Brought forward	14	366	27	380	21	
<i>Diseases of the Connective System.</i>						
Abscesses	2	70	...	72	4	
Cyst	...	1	...	1	...	
Cellulitis	...	1	...	1	...	
Torticollis	...	1	...	1	...	
Ulcers	...	7	...	7	2	
<i>Diseases of the Skin.</i>						
Eczema	2	6	...	8	...	
Epidymitis	...	1	...	1	...	
Dermatitis	1	2	...	3	...	
Herpes Zoster	...	1	...	1	...	
<i>Injuries.</i>						
Bruise	1	15	...	16	...	
Burns	...	3	...	3	...	
Crushed hand	...	2	...	2	...	
Contusions	...	1	...	1	...	
Donkey bite	...	1	...	1	...	
Injured shoulder	...	1	...	1	...	
Shark bite	...	1	...	1	...	
Stab in abdomen	...	1	...	1	...	
Various wounds	...	16	...	16	1	
<i>Fractures.</i>						
Clavicle	1	1	...	2	...	
Femur	...	4	...	4	...	
" compound	...	1	...	1	...	
Humerus	...	1	...	1	...	
Tibia	...	1	...	1	...	
" compound	...	2	1	2	1	
Double Colles	...	1	...	1	...	
<i>Parasites.</i>						
Ankylostomiasis	1	4	...	5	1	
Chiggers	...	2	...	2	...	
Elephantiasis	...	1	...	1	...	
TOTAL	22	515	28	537	30	



ANNUAL REPORT  
OF THE  
ASSISTANT MEDICAL OFFICER,  
SOUTH MAHE  
FOR 1913.

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*Eleventh Annual Report.*— I have the honour to forward my eleventh Annual Report on the South Mahé District, First and Second Divisions.

*Health of the District in 1913.*— The health was good, there were no contagious or infectious diseases noted during the year. In the latter half of 1913 there was an introduction of Chiggers (*Pulex Penetrans*) by labourers coming back from the Outlying Islands. This is the second time within the past twelve years that the disease has entered this District. The last time was 1908 and by strict sanitary precautions the disease was stamped out. This time the disease seems to have got a firmer hold and are after several months, sporadic cases are always occurring. However it is hoped that by strict attention to sanitation, a certain amount of segregation, and the burning of all refuse and debris in the neighbourhood of affected dwelling houses, that the disease will finally be stamped out.

*General disease of the District.*—Ankylostomiasis is always prevalent, diseases of the digestive system are common, and children suffer a good deal from worms and Gastro enteritis due to improper feeding.

*Vital Statistics.*— As in past years I have attached tables showing a comparison of births, deaths, still-births, and marriages, for a period of five years 1909—1913. None of these tables call for special comment.

*Birth, death and marriage rate per 1000.*— With an estimated population of 4600 the Birth rate is 39.34 per 1000. The death rate is 12.17 per 1000, and the marriage rate is 5.65 per 1000.

*Principal diseases causing death in 1913.*— The principal diseases causing death in 1913 are Anaemia, 3 (probably due to Ankylostomiasis), Dysentery 5, Endocarditis 3, Gastro Enteritis 5, Infantile Marasmus 2, Pleuresy 2, Meningitis 2, Senile Decay 9, Tubercular Peritonitis 2, Tetanus 3.



## PART II.

## DISPENSARIES.

List of patients treated at the Anse Royale Dispensary during the year 1913.

Months.	Old.		New.		Total
	Males.	Females.	Males.	Females.	
January ...	19	15	8	4	46
February ..	9	25	2	4	40
March ...	7	9	3	4	23
April ...	6	13	4	5	28
May ..	9	17	4	10	40
June ...	8	14	5	2	29
July ...	10	7	4	1	22
August ..	5	5	10	11	31
September ...	4	7	5	1	17
October ...	5	7	3	2	17
November ..	4	4	6	8	22
December ...	5	8	6	6	25
					340

## VACCINATION.

The vaccine supplied during 1913 was active and the results for a tropical climate are really good, all successful first time.

Successful 1st time	148
" 2nd time	...
" 3rd time	...
Total	148

JOHN THOS : BRADLEY,  
Assistant Medical Officer, South Mahé.

7th February, 1914.



TABLE OF DISEASES CAUSING DEATH IN SOUTH MAHÉ  
1st & 2nd DIVISIONS DURING 1913.

CAUSES OF DEATH.	Under 1 year	Under 5 year	Under 20 years	Under 30 years	Under 40 years	Under 50 years	Under 60 years	Under 80 years	Under 90 years	Over 90 years	Total.	Remarks.
Apoplexy	...	...	...	...	...	1	...	...	...	...	1	
Ascitis	...	1	...	...	...	...	...	...	...	...	1	
Albuminurea	1	...	...	...	...	...	...	...	...	...	1	
Abdominal new growth	...	...	...	1	...	...	...	...	...	...	1	
Anæmia	...	...	1	...	...	...	...	2	...	...	3	
Chronic Bright Disease	...	...	...	...	...	...	...	1	...	...	1	
Colitis	...	...	...	...	...	...	...	1	...	...	1	
Cardiac Failure	...	...	...	...	...	...	...	1	...	...	1	
Congenital Endocarditis	...	...	1	...	...	...	...	...	...	...	1	
Cerebral abscess	...	...	1	...	...	...	...	...	...	...	1	
Cancer of liver	...	...	...	...	1	...	...	...	...	...	1	
Dysentery	...	4	...	...	...	...	...	1	...	...	5	
Drowning (accidental)	...	...	...	1	...	...	...	...	...	...	1	
Exhaustion	...	...	...	...	...	...	...	...	1	...	1	
Endocarditis	...	...	...	...	...	1	...	2	...	...	3	
Epilepsy	...	...	1	...	...	...	...	...	...	...	1	
Fever and cough	...	1	...	...	...	...	...	...	...	...	1	
Gastro Enteritis	1	2	...	1	...	...	...	1	...	...	5	
Hemiplegia	...	...	...	1	...	...	...	1	...	...	2	
Hæmatemesis	1	...	...	...	...	...	...	...	...	...	1	
Infantile marasmus	2	...	...	...	...	...	...	...	...	...	2	
Pulmonary Tuberculosis	...	...	...	...	1	...	...	...	...	...	1	
Pneumonia	...	...	...	...	...	1	...	...	...	...	1	
Pleurisy	...	...	...	...	1	1	...	...	...	...	2	
Peritonitis	1	...	...	...	...	...	...	...	...	...	1	
Palpitation	...	...	...	...	...	...	1	...	...	...	1	
Shock	...	...	...	...	...	...	...	1	...	...	1	P. M. held in the case
Meningitis	...	1	...	1	...	...	...	...	...	...	2	
Senile Decay	...	...	...	...	...	...	...	6	3	...	9	
Stupor and Exhaustion	...	...	...	...	1	...	...	...	...	...	1	
Tubercular peritonitis	...	1	1	...	...	...	...	...	...	...	2	
Tetanus	2	...	1	...	...	...	...	...	...	...	3	
Tuberculosis	...	...	...	...	...	1	...	...	...	...	1	
	8	10	6	5	4	5	1	17	4	...	60	

COMPARATIVE TABLES OF THE AGES AT WHICH DEATH OCCURRED  
DURING THE YEARS 1909 TO 1913.

Years.	Under 1 year	Under 5 years	Under 20 years	Under 30 years	Under 40 years	Under 50 years	Under 60 years	Under 80 years	Under 90 years	Over 90 years	Total and Remarks.
1909	13	7	4	7	7	3	3	9	1	...	54 deaths during 1909
1910	11	13	12	1	12	4	3	11	1	...	48 " " 1910
1911	11	8	5	2	3	10	3	12	3	...	59 " " 1911
1912	9	2	5	7	7	3	2	15	8	...	58 " " 1912
1913	8	10	6	6	4	5	1	17	4	...	60 " " 1913

COMPARATIVE TABLES OF BIRTHS, DEATHS AND STILL-BIRTHS  
DURING THE YEARS 1909 TO 1913.

Years.	Births	Deaths	Still-Births	Remarks.
1909	160	54	5	
1910	138	48	10	
1911	170	59	7	
1912	144	58	8	
1913	181	60	9	

BIRTHS, DEATHS, STILL-BIRTHS AND MARRIAGES FROM 1909 TO 1913.

Years.	Births per 1000.	Deaths per 1000.	Still-births per 1000.	Marriages per 1000.	Remarks.
1909	33.33	11.25	1.04	6.87	33 marriages in 1909
1910	28.22	9.81	2.04	5.11	25 " " 1910
1911	38.42	13.33	1.58	7.25	32 " " 1911
1912	32.00	12.88	1.77	5.55	25 " " 1912
1913	39.34	12.17	1.95	5.65	26 " " 1913



# ANNUAL REPORT

OF THE

## Medical Superintendent, Lunatic Asylum

for the year 1913.

*Seventh Annual Report.*— I have the honour to forward my seventh Annual Report on the Anse Royale Lunatic Asylum.

*Health of the inmates.*— During the year the inmates enjoyed good health, there were no contagious or infectious diseases, one male died during the year. The question of providing more sleeping accommodation in the female side has arisen. At present there are 15 inmates in this department, and it will seem that in future there will be an increase in the number of female patients up to the number of twenty or thereabouts. This is due to the fact that with proper food and hygienic surroundings lunatics when they get into the chronic state live for many years. At present in the female side there are several old and feeble lunatics, and as time goes on there is no doubt that this number will increase. Extension of sleeping accommodation has been provided for in the original building, and the new extension can be speedily and cheaply erected.

*Upkeep of Asylum.*— The average number of patients for the year was 20 the daily cost for maintenance per head was 54 cents or Rs 13.98 per month. We had during the year four paying patients who have contributed for the year the sum of Rs 931.69 towards their cost of maintenance. Attached to this report in Appendix D. is a table showing the number of patients for each month, their costs, and the amount contributed by paying patients.

Amount voted maintenance of lunatic Asylum	Rs 4,300 ..
Special Warrant in December 1913.....	150 ..
	<hr/>
Total	4,450 ..
Expenditure maintenance of lunatic, Expenditure	
for 1913	4,449 97
	<hr/>
Balance in favour	0 03
	<hr/>
Upkeep of Asylum and Asylum grounds voted 1913	200 ..
Expenditure to 31st December 1913.....	186 10
	<hr/>
Balance in favour	13 90
	<hr/>
Travelling expenses voted 1913.....	20 ..
Expenditure 1913.....	12 ..
	<hr/>
Balance in favour	8 ..
	<hr/>
Uniform Attendants voted 1913.....	120 ..
Expenditure 1913.....	120 ..
	<hr/>
Balance :	nil

*Total Expenditure for 1913.*

Maintenance.....	Rs 4,449 97
Upkeep of Asylum.....	186 10
Travelling Expenses.....	12 ..
Uniform of Attendants.....	120 ..
Expenditure for 1913..	4,768 07
Less amount paid by paying patients.....	931 69
	<hr/> 3,836 38
Salaries of Medical Supt. and Attendants for 1913	2,371 51
Total cost of Asylum for 1913.....	<hr/> 6,207 89

*Dieting.*—The contractor gave satisfaction during the year, the food was of good quality, and was well up to the standard of rations contracted for.

*Admission and Discharges.*—Seven new patients were admitted, 2 males and 5 females, this includes two females transferred from the Lunatic Asylum of Mauritius and who arrived here on the 11th December 1913. There were discharged two males and one female recovered, there was no case of second admission during the year, and on the 31st December there were 22 patients in the Asylum; 8 males and 14 females.

Since the Asylum was opened in 1906 there were admitted 59 patients up to 31st December 1913, during that period 19 patients were discharged as cured, 2 as relieved, 1 not improved. 15 died, the recovery rate is 32.20 per cent.

In Appendix B. attached is a table showing the admissions discharges, and deaths for each year from the opening of the Asylum, and in Appendix A. the admissions, discharges, and deaths for the year.

*Conduct of Attendants during the year.*—One male attendant was discharged due to ill-health and one male resigned, two female attendants were dismissed, and one female attendant transferred to the Maternity Home at Victoria to be trained as a midwife. Two male and three female attendants were appointed during the year.

*Appointment of Attendants.*—During the year new regulations came into force with regard to the pay and appointments of attendants in the Asylum service. The present rate of pay with promotion by examination is satisfactory and should help to get a better class of attendants into the service.

All attendants are now divided into probationers for three months with salary of Rs 12 per month, uniform and rations when on duty. If approved of after three months they are appointed as 3rd class attendants at a salary of Rs 15 per month, with emoluments of uniform and rations. After twelve months service as 3rd class attendant and provided that they pass an examination in:

—Catechism compiled by Medical Superintendent, the standing orders of the Asylum, a practical knowledge of the clinical thermometer, restraint appliances, and the discipline and hygiene of the Asylum, they are promoted to 2nd class attendants at a salary of Rs 20 per month. After twelve months service as 2nd class attendants and provided that they pass an examination in:



*Amusements.*—As in past years various means are taken to keep the patients amused and to make them comfortable and happy, there is a weekly dance, and weather permitting walks along the neighbouring hills. In the wards games, such as cards, dominoes, draughts, etc., are provided and there is a small supply of illustrated journals given by friends of the Asylum.

Medical Superintendent.

Lunatic Asylum.

9th, February, 1914.





## APPENDIX A.

STATISTICAL TABLES SHOWING THE ADMISSIONS, READMISSIONS,  
DISCHARGES AND DEATHS DURING THE YEAR ENDING  
31ST DECEMBER 1913.

	Males	Females	Total	Males	Females	Total
In Asylum 1st January 1913, including those out on trial ...	...	...	...	9	10	19
<i>Cases admitted during 1913.</i>						
First admission ...	2	5	7	...	...	...
Not first admission ...	...	...	...	...	...	...
Total cases under care during the year.	2	5	7	9	10	19
<i>Cases discharged during 1913.</i>						
Recovered ...	2	1	3	...	...	...
Relieved ...	...	...	...	...	...	...
Not improved...	...	...	...	...	...	...
Died ...	1	...	1	...	...	...
Total cases discharged and died during the year ...	3	1	4	...	...	...
<i>Remaining in the Asylum.</i>						
31st December 1913, including those out on trial ...	...	...	...	8	14	22

## APPENDIX B.

TABLE SHOWING THE ADMISSIONS, DISCHARGES, DEATHS FOR EACH YEAR  
FROM THE OPENING OF THE ASYLUM 13TH MARCH 1906.

Years	Admitted			Discharged									Died			Remaining in Asylum including those out on trial 31st Dec. in each year.			Remarks
				Recovered			Relieved			Not improved									
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	
1906	2	2	4	...	...	...	...	...	...	...	...	...	1	...	1	1	2	3	
1907	3	3	6	...	...	...	...	...	...	...	...	...	...	...	...	4	5	9	
1908	7	1	8	2	...	2	1	...	1	...	...	...	3	1	4	5	5	10	
1909	12	2	14	4	...	4	...	...	...	...	...	...	...	...	...	13	7	20	
1910	3	3	6	2	1	3	...	...	...	...	...	...	1	...	1	13	9	22	
1911	4	3	7	2	1	3	...	...	...	...	...	...	4	...	4	11	11	22	
1912	5	2	7	3	1	4	1	...	1	1	...	1	2	2	4	9	10	19	
1913	2	5	7	2	1	3	...	...	...	...	...	...	1	...	1	8	14	22	

## APPENDIX C.

TABLE SHOWING CONDITION AS TO MARRIAGE PROBABLE CAUSE OF INSANITY, MENTAL DISEASE AND OCCUPATION OF PATIENTS FOR THE YEAR 1913.

Condition in reference to Marriage	Males	Females	Total	Probable causes of Insanity.	Males	Females	Total	Form of Mental Disease.	Males	Females	Total	Occupation.	Males	Females	Total.
Married	1	8	9	<i>Moral.</i>	1	...	1	<i>Congenital or Infantile Mental.</i>	...	...	...	Clerk	1	...	1
Single	6	3	9	Domestic trouble	...	...	...	(a) with Epilepsy	...	...	...	Labourer	7	...	7
Widow	...	1	1	Adverse circumstances	...	1	1	(b) without Epilepsy	...	...	...	Planter	...	...	...
Widower	1	...	1	Mental anxiety and worry	1	1	1	Epilepsy acquired	...	...	...	Sailor	...	...	...
Unknown	...	2	2	Religious excitement	...	...	...	General paralysis of the Insane	...	...	...	Carpenter	...	...	...
	...	...	...	Love affairs	...	...	...	<i>Mania</i>	2	1	3	Tailor	...	...	...
	...	...	...	Fright and nervous shock	...	...	...	Acute	4	4	8	Proprietor	...	1	1
	...	...	...	<i>Physical.</i>	...	...	...	Chronic	1	...	1	Merchant	...	...	...
	...	...	...	Intemperance in drink	...	3	3	Recurrent	...	...	...	Washerwoman	...	7	7
	...	...	...	sexual	...	...	...	A. Totu	...	...	...	Seamstress	...	2	2
	...	...	...	Veneral disease	...	...	...	Puerpural	...	2	2	Nurse	...	1	1
	...	...	...	Self abuse sexual	...	...	...	Senile	...	1	1	No profession	...	3	3
	...	...	...	Over exertion	...	...	...	<i>Melancholia</i>	...	...	...		...	...	...
	...	...	...	Sunstroke	...	...	...	Acute	...	2	2		...	...	...
	...	...	...	Accident or injury	...	2	2	Chronic	...	...	...		...	...	...
	...	...	...	Pregnancy	...	...	...	Recurrent	1	...	1		...	...	...
	...	...	...	Parturition and the puerpural state	...	...	...	Puerpural	...	...	...		...	...	...
	...	...	...	Lactation	...	...	...	Senile	...	...	...		...	...	...
	...	...	...	Uterine and ovarian disorders	...	...	...	<i>Dementia</i>	...	...	...		...	...	...
	...	...	...	Puberty	...	...	...	Primary	...	...	...		...	...	...
	...	...	...	Change of life	...	...	...	Secondary	...	2	2		...	...	...
	...	...	...	Fevers	...	...	...	Senile	...	1	1		...	...	...
	...	...	...	Privation and starvation	...	...	...	Organic (Coarse Brain, Disease etc.)	...	...	...		...	...	...
	...	...	...	Old age	...	...	...	<i>Not Insane</i>	...	...	...		...	...	...
	...	...	...	Other bodily disease & disorders	...	1	1		...	...	...		...	...	...
	...	...	...	Previous attack	...	...	...		...	...	...		...	...	...
	...	...	...	Hereditary influences	...	2	2		...	...	...		...	...	...
	...	...	...	Congenital defect	...	1	1		...	...	...		...	...	...
	...	...	...	Other ascertained causes	...	...	...		...	...	...		...	...	...
	...	...	...	Unknown	...	3	3		...	...	...		...	...	...
Total	8	14	22	Total	8	14	22		8	14	22	Total	8	14	22



## APPENDIX D.

Table showing the number of patients for each month in the Asylum their cost and the amount contributed by paying patients towards maintenance for 1913.

Month	No. of patients			Cost						Cost of Washing per month for a patient		No. of paying patient			Total amount contributed by paying patients		Classes of paying patients		Remarks
	Males	Females	Total	Total daily		Per Head		Patient per month		Rupees	cents	Males	Females	Total	Rupees	cents	1st Class	2nd Class	
				Rs	c.	Rs	c.	Rs	c.										
January	8	10	18	11	97	...	54	16	87	...	82	1	2	3	66	50	1	2	
February	8	10	18	11	8	...	52	14	48	...	78	1	2	3	62	00	1	2	
March	9	11	20	11	76	...	49	15	19	...	74	1	3	4	75	69	1	3	
April	9	11	20	12	02	...	50	15	02	...	98	1	3	4	80	00	1	3	
May	9	11	20	12	03	...	50	15	53	...	81	1	3	4	81	50	1	3	
June	9	11	20	12	19	...	51	15	24	...	83	1	3	4	80	00	1	3	
July	8	11	19	10	48	...	45	14	31	1	...	1	3	4	81	50	1	3	
August	7	12	19	9	75	...	42	13	14	...	82	1	3	4	81	50	1	3	
September	7	12	19	9	28	...	40	12	10	...	96	1	3	4	80	00	1	3	
October	7	12	19	9	41	...	41	12	68	...	79	1	3	4	81	50	1	3	
November	7	12	19	9	44	...	41	12	32	...	79	1	3	4	80	00	1	3	
December	8	14	22	9	13	...	35	10	89	...	63	1	3	4	81	50	1	3	



# Appendix E.

## STAFF OF ANSE ROYALE LUNATIC ASYLUM YEAR ENDING 31st DECEMBER 1913.

Name.	Rank.	Date of appointment.	Salary per annum.	Emoluments.	Remarks.
John T. Bradley, M. D.	Med. Supt.	1.3.1906	Rs 500	...	Is also A. M. O. & J. P. South Mahé.
E. St Ange	Hd. male attendt.	1.3.1906	" 600	Uniform & rations while on duty.	Acts also as Officer of Civ. Status & Dispenser & Clerk to A. M. O.
F. Morel	3rd cl. male atttdt.	1.1.1913	" 155	do	Promoted to 2nd class Atttdt. 1.1.14. Salary Rs 240 per annum.
F. Hoarau	do	19.8.1913	" 144	do	do do do
Miss Inesse d'Offay	Fem. Hd. attendt.	21.5.1913	" 240	do	Confirmed in rank of Fle. Hd. Attendant to date from 1.1.14. Salary Rs 360 p. a.
Mrs W. Gernain	3rd cl. fem. atttdt.	9.6.1913	" 144	do	Sal. as 3rd cl. Atttdt. from 1.1.14 Rs 180 p. a.
Mrs John Tripp	do	11.6.1913	" 144	do	do do do
Charles St Ange	Cook	1.7.1910	" 240	(No uniform)	...
Marc Duperrel	Gate porter	1.3.1912	" 144	do	...

# ANNUAL REPORT

OF THE

## ASSISTANT MEDICAL OFFICER.

### PRASLIN DISTRICT

#### FOR THE YEAR

1913.

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#### CHAPTER I.

I have the honour to forward you my Fourth Annual Report of this District.

*Praslin.— General Health.*— As in former years, this island was very healthy and there were no epidemics during the year, venereal disease, ankylostomiasis, and rheumatism constituting almost one half of the cases treated. Round worms in children were very prevalent. These could, in many cases, be actually felt through the abdominal wall.

*Dispensaries, Baie St Anne.*— The Baie St Anne dispensary was much more frequented than in previous years, the number treated being 311 as against 78 in 1912, 255 of the patients being males and 26 females. A large number of dressings, resultant on minor accidents to the cantonniers, etc, are included in those figures, as also some chronic skin cases.

*Grand'Anse.*— This dispensary was also much more popular than in 1912, 153 patients being treated as against 115 in 1912. Of the 153, 59 were males and 94 females. The cases were, as usual, of a chronic nature.

*Vaccinations.*— The vaccine supplied during 1913 was very good indeed the few failures being due to stale vaccine. Vaccine becomes useless very soon after receipt in Praslin on account of the lack of ice, 77 children were vaccinated. Of these 71 were successful the first time, while 6 were successfully re-vaccinated.

*Vital Statistics.*— During 1913 there were 88 births in Praslin, of which 7 were still-births. Taking the population of Praslin on 31st December 1913 as 2131, this gives a birth rate of 41.29. There were 36 deaths, giving a death rate of 10.90.

Round Island was responsible for 7 deaths, so that, excluding the Pauper and Leper Asylums on that Island, the death rate for Praslin was 13.60.

*Details of deaths.*—The details of the deaths are as follows:—

Age	Number.
Under one year	6
Between one and five years	9
" five ,, fifteen ,,	0
" fifteen ,, twenty ,,	1
" twenty ,, fifty ,,	4
" fifty ,, sixty ,,	4
" sixty ,, eighty ,,	6
" eighty ,, ninety ,,	4
over ninety years	2
Total	36

<i>Causes of death.</i> — Cause:—	Number
Senile decay	8
Enteritis	8
Leprosy	3
Fever	2
Died just after birth	1
Debility	3
Inanition	1
Sarcoma	1
Infantile paralysis	1
Exophthalmic Goitre	1
Tetanus	1
Cancer of Gall bladder	1
Chronic Nephritis	1
Worms	1
Rheumatism	1
Paralysis	1
Heart Failure	1
Total	36

*Population.*—The population, worked out by adding the preponderance of birth over deaths during the year to the population worked out in a similar way for 1912 was 2131 on the 31st December 1913.

*Comparisons.*—The following short table shows the figures of the Birth, Death, and Still-Birth rates for the last three years, so that they may be readily compared:

	1911	1912	1913
Birth rate	43.50	45.06	41.20
Death rate	17.00	15.01	16.80
Still Births	6.	8.	7.

#### ROUND ISLAND

*Road to Leper Camp.*—During the year the new road to the Leper Camp has made much progress, although the dismissal of the two fishermen has made a considerable difference to the labour available for this work, and also for that of the hut making. Formerly, during many days in the South East Monsoon, when it was too rough to fish, these men worked in the island and gave material assistance in these tasks. The supply of fish by contract has however, been much more satisfactory and there have been far fewer complaints on that subject.



*Huts.*— Many new huts were erected during the year.

*Deaths.*— As usual, there were some deaths in the Pauper Camp (males and females) and there were three deaths in the Leper Camp. There are now no female lepers.

*Staff.*— The Overseer, Mr L. Gendron, was absent on leave, during the three months August, September and October, and was replaced by Mr Tirant, who was a very able and capable substitute. All the staff have done good work during the year, and I would like to specially mention the sterling work of the dresser, A. Gaffoor.

*Leper Camp.*— The conduct in the Leper Camp during the year (more especially the later months of it) has left much to be desired despite the infliction of minor penalties.

*Coconuts.*— The Coconut palms on the island bore splendidly this year and the quality of the nuts was much improved, 14,994 nuts were sold at the rate of Rs 30 per thousand thus bringing in a revenue of Rs 449.82 for the year. This number of coconuts is over and above the amount used for consumption of the island and for germination for the Crown Islands. Should this out-put continue to increase as it has done during the last few years, the revenue of the island will soon entirely cover its expenses.

#### LA DIGUE

*La Digue, General Health.*— The health of this island is never so good as that of Praslin since practically the whole population live, crowded together in the one village at La Passe. The diseases most prevalent during the year were as usual, ankylostomiasis and venereal affections.

*Dispensary.*— The Dispensary, like those in Praslin, was much more popular than in previous year, there being 84 patients treated during 1913 as against 9 in 1912. Of those 74, 57 were males and 17 females.

*Vital Statistics.*— During the year there were 53 births, of which 2 were Still-Births. This gives a birth rate of 37.31. There were also 23 deaths, giving a death rate 16.15. The following table shows the comparison these number bear with those of the two previous years :—

#### Comparison of rates :—

	1911	1912	1913
Birth rate ...	37.63	32.23	37.21
Death-rate ...	22.78	16.47	16.15
Still-births ...	5.0	3.00	2.0

#### Details of Deaths.—

Ages	Number.
Under one year ...	8
Between one and two years	3
" two „ ten „	6
" ten „ twenty „	1
" twenty „ thirty „	0
" thirty „ forty „	2
" forty „ fifty „	1
" fifty „ sixty „	1
" sixty „ seventy „	1
Total	23

*Causes of deaths.*— The causes of deaths assigned were as follows :—

Causes.	Number
Inanition	1
Apoplexy	1
Enteritis	9
Pneumonia	1
Dysentery	1
Senile decay	1
Fever	2
Debility	1
Died just after birth	1
Bronchitis	3
Tuberculosis	1
Asthma	1
Drowning	1
Total	23

*Population.*— Worked out in the same way as that of Praslin the population on 31st December 1913 was 1424.

*Vaccinations.*— 40 children were vaccinated during the year. Of these 35 cases were successful the first time, and four (4) were successfully re-vaccinated, and one is not yet re-vaccinated.

#### OUTLYING ISLANDS

Nothing of special note took place on these Islands (Curieuse, Marianne, Félicité, the Sisters, The Cousins, and Aride) during the year except that a child was drowned in a well on the larger of the Sisters Islands in December.

*Police Work in its medical aspect.*— Police Work during 1913 :—

There were no serious police cases during the year and no post-mortem examination were made. There was one fatal accident, a child having been drowned at Sisters Island.

#### GENERAL REMARKS

*Vital Statistics.*— Taking the district as a whole, the birth rate has very slightly decreased and the death rate very slightly increased.

In calculating the vital statistics for the whole District I have, for the sake of greater accuracy, included the population of the Outlying Islands on 31st December 1913, (a total of 250 persons) in the total population. This has not been done in previous years, hence the figures obtained cannot be compared with those given in the published report for 1912, but will serve as a more accurate standard for future use. The birth rate for the whole district for 1913 obtained thus, was 39.05 and the death rate 15.70.

For purposes of comparison with last year's figures, however, I have also made the calculations according to the old method (i. e. on the total population of Praslin and La Digue, exclusive of the other islands). The Birth rate for 1913 worked out thus, was 39.66 and the death rate, similarly calculated 16.59 as compared with a birth rate of 39.71 and a death rate of 16.14 for 1912. These fluctuations, however, are so slight as to call for no special comment. The deaths among children under one year were again less numerous, 14 in 1913 as opposed to 16 in 1912.

N. P. JEWELL,

B. A. M. D., B. C. H. (T. C. D.).

A. M. O., Praslin District

February, 1914



1944





