BULLETIN No. 19.

Department of Agriculture, Gold Coast.

Second Conference

of

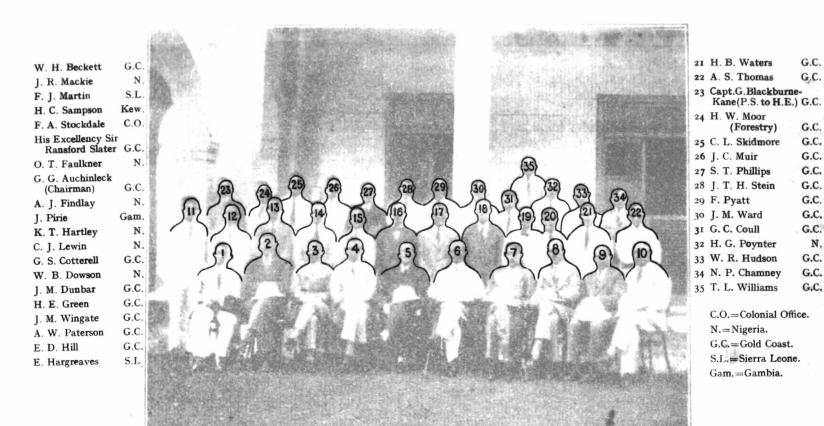
West African Agricultural Officers.

(Held in the Gold Coast, October, 1929.)

VOLUME I.

PROCEEDINGS.

1930.



N.

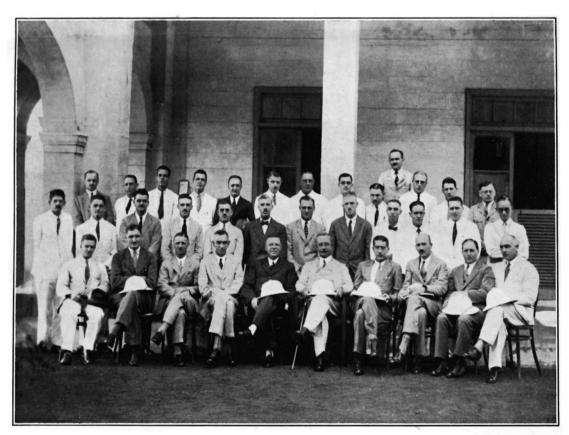
SECOND CONFERENCE OF WEST AFRICAN AGRICULTURAL OFFICERS. GOLD COAST, 1020

Ť			
	E. Hargreaves	$\mathbf{s}\mathbf{r}_{_{i}}$	
	E, D. Hill	G.C.	
1	A, W. Paterson	G.C.	
1	J. M. Wingate	G.C.	
į.	H. E. Green	G.C.	
1	J. M. Dunbar	G.C.	
:	W. B. Dowson	N.	
1	G. S. Cotterell	G.C.	
1	C. J. Lewin	N.	$\bigcap_{i \in \mathcal{A}} \{2\} \text{(3)} \text{(4)} \text{(5)} \text{(6)} \text{(7)}$
3	iζ. T. Hartley	N.	
1	J. Pirie	Gam.	115 (15), (3) (14) (12) Allel (13) 310, (13)
	A. J. Findlay	N.	
	(Chairman)	e.c.	(23) (24) (25) (26) (27) (28) (29) (30)
	G. G. Auchinleck		
	O, T. Faulkner	N.	(33)
100	His Excellency Si Ransford Slate:	r G.C.	
1	F. A. Stockdale	C.O.	
į	H. C. Sampson	Kew.	
	F. J. Martin	S.L.	
	J. R. Mackie	N.	
	W. H. Beckett	G.C.	

	G.C.=Gold Coast.	
	N.=Nigeria.	
	C.O.=Colonial Office	œ.
35	T. L. Williams	G.C.
34	N. P. Chamney	G.C.
33	W. R. Hudson	G.C.
3.2	H. G. Poynter	N
31	G. C. Coull	G.C.
30	J. M. Ward	$\mathbf{G}.\mathbf{C}$
29	F. Pyatt	G.C.
28	J. T. H. Stein	e c
27	S. T. Phillips	$\mathbf{e}.\mathbf{c}$
26	J. C. Muir	G.C.
2.5	C. L. Skidmore	ec
24	H. W. Moor (Forestry)	G.C.
23	Capt.G.Blackburne Kane(P.S. to H E.)	
2.2	A. S. Thomas	e c
3 t	H. B. Waters	e c

S.L.=Sierra Lcone. Gam.=Gambia.

SECOND CONFERENCE OF WEST AFRICAN AGRICULTURAL OFFICERS,
GOLD COAST 1020.



[Photo by Holm.]

FOREWORD.

THE Second Conference of West African Agricultural Officers afforded to all delegates a valuable and appreciated opportunity for personal discussion of problems of development which face the four Colonies. While, in many cases, these problems differ from Colony to Colony in their technical aspects, the four Departments of Agriculture are on common ground in matters of function and aim. Each of the Departments exists for the sole purpose of increasing and intensifying the agricultural output of the Colony which it serves, and in this wide and difficult task the purely technical aspects are perhaps of less importance at the moment than questions of policy and methods of administration. Agricultural administration is still in the nascent stage in most tropical countries, and every means of interchange of opinion is of definite value.

The Conference was specially fortunate in having present as delegates from the United Kingdom, Mr. F. A. Stockdale, C.B.E., Adviser in Tropical Agriculture to the Colonial Office, and Mr. H. C. Sampson, C.I.E., from the Royal Botanic Gardens, Kew, who brought with them ripe experience of agricultural administration in other tropical countries. In addition, the Gold Coast Department of Agriculture had the privilege of meeting teams of brother officers from the other three Colonies, led by Mr. O. T. Faulkner, C.M.G., Dr. F. J. Martin and Mr. J. Pirie.

I am under obligations to members of the four Departments for help given in sessions of the Conference and at meetings of the various Committees in which much preliminary spade-work was done. To Mr. H. B. Waters I owe an additional debt for his help in editing the two Volumes of Proceedings and Papers in which the activities of the Conference are recorded.

G. AUCHINLECK,
Director of Agriculture, Gold Coast.

Chairman.

April, 1930.

VOLUME I.

CONFERENCE PROCEEDINGS.

CONTENTS.

PART A.—GENERAL SESSIONS.

Ат А	CCRA.					PAGE
Address of His Excellen	cy the	Gover	nor			I
Animal Health and	l the	Imper	iaľ Ag	lture a ricultu	nd ral	
				• •	• •	2
	rk, Ke	ew	••	• •	• •	4
4			• •	• •	••	4
•	_		••	••	• •	6
Imperial Agricultural R	esearcl	ı Confe	erence,	1932	• •	8
AT KUMASI.						
Economics of Cacao Far	ming					9
Forecasting the Cacao o	rop					13
West African Oil Palm	Indust	try			• •	15
The Oil Palm at Calaba	ır					16
Palm Oil Factories						17
Co-operative Societies						18
At Se	KONDI.					
Inspection and Certifica	tion of	Produ	ice			20
Report and findings of A	dmini	strative	Comn	nittee		25
Reports and findings of	Comm	ittees		• •		25
Invitation to Sierra Leo	one for	1931				26
Adjournment	••		••	• •		26
PART B.—CON	NFERI	ENCE I	INDI	NGS.		
General					• •	27
Economic Botany						30
Agricultural Chemistry						34
Agricultural Economics		• •				35
	Address of His Excellent The Colonial Advisory Animal Health and Bureaux Economic Botanical Wo Field Experiments Forestry in relation to A Imperial Agricultural R AT K Economics of Cacao Far Forecasting the Cacao of West African Oil Palm The Oil Palm at Calaba Palm Oil Factories Co-operative Societies AT SE Inspection and Certifica Report and findings of A Reports and findings of Invitation to Sierra Leo Adjournment PART B.—COM General Economic Botany Agricultural Chemistry	Address of His Excellency the The Colonial Advisory Counc Animal Health and the Bureaux	Address of His Excellency the Gover The Colonial Advisory Council of Animal Health and the Imper Bureaux	Address of His Excellency the Governor The Colonial Advisory Council of Agricul Animal Health and the Imperial Ag Bureaux Economic Botanical Work, Kew Field Experiments Forestry in relation to Agriculture Imperial Agricultural Research Conference, AT KUMASI. Economics of Cacao Farming Forecasting the Cacao crop West African Oil Palm Industry The Oil Palm at Calabar Palm Oil Factories Co-operative Societies AT SEKONDI. Inspection and Certification of Produce Report and findings of Administrative Comm Reports and findings of Committees Invitation to Sierra Leone for 1931 Adjournment PART B.—CONFERENCE FINDING General Economic Botany. Agricultural Chemistry Agricultural Economic	Address of His Excellency the Governor The Colonial Advisory Council of Agriculture a Animal Health and the Imperial Agriculture Bureaux Economic Botanical Work, Kew Field Experiments Forestry in relation to Agriculture Imperial Agricultural Research Conference, 1932 AT KUMASI. Economics of Cacao Farming Forecasting the Cacao crop West African Oil Palm Industry The Oil Palm at Calabar Palm Oil Factories Co-operative Societies AT SEKONDI. Inspection and Certification of Produce Report and findings of Administrative Committee Reports and findings of Committees Invitation to Sierra Leone for 1931 Adjournment PART B.—CONFERENCE FINDINGS. General Economic Botany. Agricultural Chemistry Agricultural Factories	Address of His Excellency the Governor The Colonial Advisory Council of Agriculture and Animal Health and the Imperial Agricultural Bureaux Economic Botanical Work, Kew Field Experiments Forestry in relation to Agriculture Imperial Agricultural Research Conference, 1932 At Kumasi. Economics of Cacao Farming Forecasting the Cacao crop West African Oil Palm Industry The Oil Palm at Calabar Palm Oil Factories Co-operative Societies At Sekondi. Inspection and Certification of Produce Report and findings of Administrative Committee Reports and findings of Committees Invitation to Sierra Leone for 1931 Adjournment PART B.—CONFERENCE FINDINGS. General Economic Botany. Agricultural Chemistry Agricultural Chemistry Agricultural Foregains

I

CONTENTS-continued.

	PART B—CONFERENCE FINDINGS-	-contin	ıued.		
XXII.	•				PAGE
		• •	• •	• •	36
XXIII.			• •	••	41
XXIV.	Produce Inspection and Certification	n			42
XXV.	Statistics	• •	• •	••	43
	PART C.—REPORTS OF COM	MITTE	ES.		
XXVI.	Administrative Committee				45
XXVII.	Economic Botany	• • •			54
XXVIII.	Agricultural Chemistry				60
XXIX.	Agricultural Economics	• •			63
XXX.	Agricultural Entomology				64
XXXI.	Meteorology		• •		68
XXXII.	Produce Inspection and Certification	ı	• •		75
XXXIII.	Statistics	••	••	• •	89
	PART D.—APPENDICE	ES.			
A.	List of Overseas Delegates				98
В.	List of Representatives from the G	old Co	ast		98
C.	List of Papers presented				100
D.	Time Table and Itinerary				IOI