

# ANALYTICAL TABLE OF CONTENTS

## 1

### A Minimum System of National Accounts for Use by African Countries and Some Related Problems

by *G. C. BILLINGTON*

	<i>Page</i>
I Introduction	1
II The Basic Problem	2
III Concepts and Definitions	4
National, domestic and geographical concepts	4
Residence	6
Provision for consumption of fixed capital	8
Non-monetary or subsistence transactions	9
Factor incomes and transfer incomes	14
Consumer debt interest	16
Classification of transfers	18
Pension funds	20
Export duties	20
IV Other Related Problems	21
Government accounts	21
Capital formation	24
Balance of payments	25
National accounts at constant prices	27
V Criteria for a System of Accounts	28
VI A Minimum System of National Accounts for Use by African Countries	36
Appendix I – A system of national accounts for use by African countries	40
II – Reference documents	50

## 2

### Uses of National Accounts in Africa

by *P. ADY*

I Difficulties of Construction and Interpretation of Nation Accounts in African Territories	52
II A Minimum Set of Accounts for Africa	62
III Short Period Analysis and Forecasting	64

## 3

The Statistical Macro-Economic Framework Needed in  
Development Planning in Africa

by *RICHARD M. BARKAY*

	<i>Page</i>
I Special Problems of National Accounting in African Conditions	66
II Aggregate Accounts or Sector Accounts?	71
III The Construction of Sector Accounts	73
The public sector	73
The export sector	76
The capital sector	79
The subsistence sector	80
Financial accounts	82
IV The Definition of Domestic Product	84
V Concluding Remarks	85
Appendix - The public sector	87

## 4

The Use of Public Sector Accounts in Planning the Level of  
Public Expenditure

by *JO SAXE*

(Center for International Affairs, Harvard University)

I Characteristics of the Public Sector	89
II Economic Consequences of Increased Public Expenditure	93
III The Public Sector in the National Accounts	94
IV Improving the Accounts: the Example of Education	96
V Public Services in General	100
VI Some General Problems	104
Appendix A - Sources and bibliography	107
Appendix B - Tables	112

## 5

Les Problèmes de l'Information Statistique en Afrique vus  
Sous l'Angle de la Compatibilité Nationale*par PH. BERTHET et J. ROYER*

	<i>Page</i>
I De l'Utilité des Comptes Nationaux pour les Pays Sous-Développés	115
II Des Priorités dans les Travaux de Comptabilité Nationale dans les Pays Sous-Développés	122
Section 1 - Utilisation d'un premier calcul de comptes nationaux pour l'étude des structures économiques	123
Section 2 - Utilisation des séries chronologiques de comptes nationaux pour l'étude de l'évolution des structures	125
Section 3 - Utilisation de la comptabilité pour l'établissement des plans de développement	135
Section 4 - Utilisation de la comptabilité nationale pour les prévisions à court terme (Préparation des budgets économiques)	140

## 6

Les Modèles de Développement Économique Utilisés en  
Algérie*par R. OLIVIER*

I Bilan et Perspectives Démographiques	143
II Inventaires Économiques	145
Les comptes économiques passés (1952-57)	146
Les résultats: la situation économique de l'Algérie	147
Les budgets économiques prévisionnels (1953-54)	147
III Prévisions Financières	148
L'évolution des dépenses publiques ordinaires (1954)	148
Le 'Rapport MASPETIOL' (Juin 1955)	150
IV Perspectives Économiques	154
Le 'Schéma semi-global' (Mars 1956)	155
Les 'Perspectives décennales de développement' (Mars 1958)	159
V Conclusion	160

The Uses and Limitation of National Economic Accounting,  
with Special Reference to South Africa

by *L. H. SAMUELS*

	<i>Page</i>
I The Evolution of National Income and National Accounts in South Africa	163
II National Economic Accounting as a Tool of Analysis	166
III National Accounts as a Guide to Policy	171
The use of national income and expenditure statistics in interpretation of past trends	171
Recent developments in national accounts and their influence on policy	172
Economic forecasting	174
IV National Accounting and Economic Planning	176
V Concluding Comments	180

Problems Raised by the Calculation of Real National Income  
in South Africa

by *J. J. D. WILLERS and B. P. GROENEWALD*

I Introduction	182
II The Compilation of the Real National Income of South Africa	183
(1) Gross domestic product	184
Agriculture, forestry and fishing	185
Mining	186
Private manufacturing	187
Trade and commerce	189
Transport	191
Catering	193
Professions	193
Finance	194
Miscellaneous business	195
Home ownership	197
Public authorities	198
Private households	199
Non-profit societies, clubs, etc. (aggregates of persons)	199
Indirect taxes and subsidies	200
Net factor income	201
Trading gain	202
(2) Gross domestic expenditure	203
(3) External account	204
Conclusion	205

## 9

The Preparation of National Accounting Estimates for South West Africa and a Presentation of Consolidated Series for South Africa, South West Africa and the Three British Protectorates (1920-59)

by *D. C. KROGH and J. J. D. WILLERS* *Page*

I	Introduction	206
II	South West Africa's Economic Structure and Data	207
III	Production Boundary and Industrial Classification	209
IV	Unrealized Sales and Some Imputations	211
V	Interterritorial Organizations and the Share of Foreign Factors	214
VI	Capital Expenditure and Saving	215
VII	The Consolidated Series	217
VIII	Future Research Requirements	222
	Appendix - The basic national accounting series of South West Africa: methods and sources	223

## 10

The Geographical Income of the Bantu Areas in South Africa

by *H. J. J. REYNDERS*

I	Introduction	233
II	Conceptual Problems and Methods of Estimation	235
	Concepts of income	235
	Problems of coverage	238
	Types and volume of goods and services produced	238
	Problems of valuation	241
	Concluding remarks	242
III	Short Discussion of Results	242
	Geographical income of the Bantu Areas	242
	The composition of the income	245
	The contribution of the various racial groups to the geographical income of South Africa	245
	Present position	246
	Personal income and expenditure	247
	Personal income	247
	Personal expenditure	249
IV	Concluding Remarks	251
	Appendix - Tables and a note on estimating methods used in deriving the personal income and expenditure of Bantu in the Bantu Areas, 1950-1	255

## 11

## The National Income of Bechuanaland Protectorate: 1955

*by D. P. ERASMUS*

	<i>Page</i>
I Introduction	265
II The Economic Structure of the Country	266
The country and its population	266
III The Composition of the Geographical and the Total National Income of the Territory	268
Problems in connection with the calculation of the national income of the territory	268
The structure of the national output	274
IV The Geographical and National Income of the Territory	283
Conclusion	283

## 12

## Nigerian National Accounts, 1950-7

*by PIUS OKIGBO*

(Economic Adviser to the Government of Eastern Nigeria)

I An Historical Note	285
II Organization of the Survey	286
III The Structure of the Accounts	286
Interdependence of the output and expenditure estimates	286
Regional estimates in a federal territory	287
Summary tables for the Federation of Nigeria, 1950-7	288
IV Special Problems: Methodology	294
The definition of product	294
Valuation of agricultural production	294
Transfer payments	296
Capital formation	297
V Special Problems: Statistical	298
Estimation of output of agriculture	298
Investment in building and construction	300
Census of private buildings in Eastern Nigeria, 1957	301
Value added by trade	302
Inventories	303
Peasant investment in agriculture	303
Calculation of real national income	303
VI Conclusions	305

## 13

## Consumer Demand in Nigeria

*by IAN G. STEWART**Page*

I	Some General Observations	307
II	Pattern of Consumer Expenditure	309
III	Some Preliminary Conclusions	315

## 14

## Comptabilité Économique des Administrations et Calcul du Revenu National

*by Prof. VASCO FORTUNA*

(l'Institut Supérieur des Études d'Outre-mer Lisbonne)

I	Considérations Générales	319
	But de cette communication	319
	Delimitation de son cadre	319
	Choix du thème	321
II	Réalizations	322
	Antécédents	322
	Études préalables	322
	Travaux en cours	323
III	Techniques Adoptées	324
	Rassemblement des données	324
IV	Système de comptabilité	327
V	Codifications	330

## 15

## The Development and Diversity of National Income Series in East Africa since 1947

*by C. J. MARTIN*

(Statistical Adviser to East Africa and Economist to the Kenya Government)

I	Introduction	333
II	Basic Statistical Series	334
III	The Position in 1959	338
	Kenya	338
	Tanganyika	339
	Uganda	340
IV	Problems	342
V	Future Developments	343
	Appendix - Recommendations of the Departmental Study Group on the National Incomes of Kenya, Tanganyika and Uganda	346

On the Calculation and Interpretation of National Accounting  
Material in East Africa

by *T. A. KENNEDY, H. W. ORD and DAVID WALKER*

(*University College of East Africa*)

	<i>Page</i>
Introduction: Main characteristics of the East African economy and the organization of the East African Statistical Department	350
I National Accounting Data	
Tanganyika	357
Kenya	360
Uganda	361
East Africa	362
II Special Problems	
(1) The East Africa High Commission:	367
(a) General	367
(b) The non-self-contained services	370
(c) The self-contained services	373
(2) The balance of payments	379
(3) Private enterprises	381
(4) The availability and quality of basic statistics; special reference is made to:	383
(a) The subsistence sector	383
(b) African enterprises in Uganda	386
(c) Road transport in Tanganyika	387
(d) Distribution in Kenya	387
III The Uses and Interpretation of East African National Accounting Material in relation to:	391
(1) Economic growth	391
(2) Stabilization	395
(3) Regional and racial inequalities	398
(4) Balance of payments	401
(5) Capital formation	405
(6) Development planning	408
(7) Non-Government users	410
Bibliography	411
Appendix I – Notes on the tables	414
Appendix II – Tables and notes on the accounts of the East African High Commission's self-contained services	418