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| 7. | (a) Pyxidium globose | nobilis. |
| | (b) Pyxidium elongated | excelsa. |
| | (diameter of the fruit according to the size of the fruit) | |
| 8. | Cortex of the fruit rough, thick and much lenticellated | nobilis. |
| 9. | Opercular opening small, widening considerably inwards; or with nearly straight walls narrowing slightly at the inner end .. | Mixed excelsa and nobilis. |
| 10. | (a) Operculum conical with a sharp point: | |
| | (b) Operculum cylindrical flattened at the top | Mixed excelsa and nobilis. |
| 11. | Calyx tridentate | excelsa. |
| 12. | Cortex of the fruit cracks but does not peel off if the fruit is handled | Mixed excelsa and nobilis. |
| 13. | Operculum falls into the cavity of the fruit | nobilis. |
| 14. | Cavity of the fruit unicellular on withering of the septa | nobilis. |

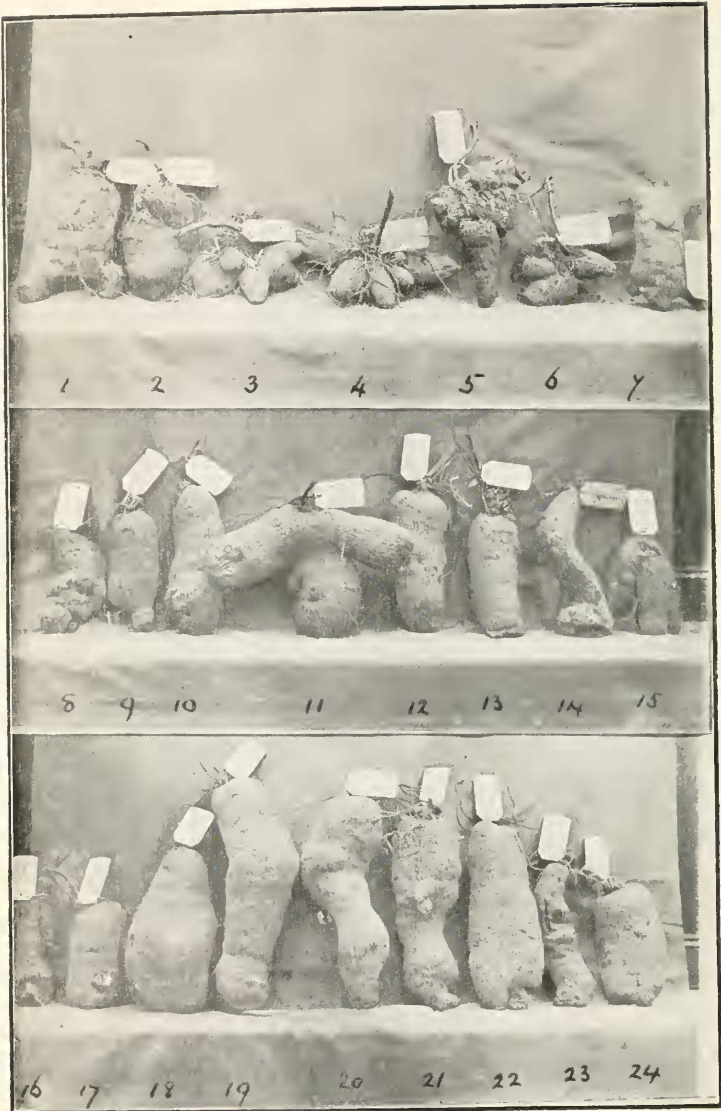
G. B. DESHMUKH.

THE CORRECT BOTANIC NAMES FOR THE WHITE AND THE YELLOW GUINEA YAMS.

In the Gardens' Bulletin (this volume No. 3, 1918, pp. 87-91) short notes were given upon the above named two West African Dioscoreas, being important foods of many millions of Negroes. In it the identity of the second with *Dioscorea cayenensis* was stated; but no latin name was used for the first; and the purpose of returning to the subject here is to suggest that it is *D. rotundata*, Poiret (Encyclopédie méthodique, supplement, vol. III, 1813, p. 139). *D. rotundata* was described upon a specimen from the New World; but that Poiret could arrive at describing an African plant as West Indian is very easily understood.

The White Guinea Yam is grown in West Africa from Sierra Leone to Angola in great quantities. It is in the ground for eight months of the year, at the end of which period the dug tubers are stored in racks in the villages for consumption as long as they can be got to rest.

Having a wide area and great importance, it is raised in a considerable number of races, nineteen of which, grown in Nigeria, are figured here from photographs taken by Mr. J. Hutchinson of the Royal Botanic Gardens, Kew. Some of these races are earlier than others, and used for prolonging the season; some are more palatable; some heavier yielders, etc.; but of their qualities at present indications only are available.



NIGERIAN YAMS.

Plate XXVI.—Nigerian Yams.

1	2	3	4	5	6	7
LOLUTUN IYAGBA (White Guinea Yam)	EFIAN (Yellow Guinea Yam)	EBA EDI (Dioscorea dumetorum)	OBUBIT IWA (Dioscorea dumetorum)	AKPANA (Dioscorea dumetorum)	NDISIME IWA (Yellow Guinea Yam)	SAJA (White Guinea Yam)

UPPER Row.

8	9	10	11	12	13	14	15
AGOGO	AFIA OKO	OKPO UMAN	IHOBA	OLOFERE	ALAOKO	OTUK OKPO	AGA

MIDDLE Row, all the White Guinea Yam.

16	17	18	19	20	21	22	23	24
OKO	OKPURU	KANGE OJINLAJA	LAYINBO	AGAKE	IGUN	DODORO	NDIAHI	OLONKO

LOWER Row, all the White Guinea Yam.