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MEDICINAL AND USEFUL PLANTS COLLECTED IN THE MANIANGA DISTRICT OF THE REPUBLIC OF ZAIRE

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INTRODUCTION.

The following medicinal and useful plants were collected in the Luozi Zone (Manianga) of the Bas-Zaire during the rainy season and the beginning of the dry season from February through July 1969, in conjunction with a research project on therapy systems in Kongo society **(1)**.

Botanical listings are given according to the initial identification of Professor Evrard of the botany department, Lovanium University, Kinshasa **(2)**.

The vernacular Kikongo names that follow represent an "on the spot" identification, these vary from place to place according to local dialect and usage. The numbers in the list correspond to numbers on specimens with jewellers'tags and to numbers in field notes with the original descriptions. Professor Evrard has a duplicate collection of these plants under the same numbers in the Herbarium of the same Lovanium University. All plants were found between altitudes of 400 to 600 meters. The manianga area is mainly savanna which is burned annually in the dry season, with some light forest in the valleys.

In the listings the format is this : (1) vernacular kikongo name given plant by local usage; (2) proper botanical identification from Professor Evrard; (3) village and sector in which collected (within Luozi "Zone"); (4) date of collection; (5) altitude and habitat; (6) description of plant in natural surroundings where important; (7) local medicinal use and beliefs regarding samples collected.

(1) Financed by a grant from the Social Sciences Research Council (U.S.A.) to John M. Janzen, anthropological investigator.

(2) Now "Campus Universitaire de Kinshasa".

Plant Listing.

1. Kufa-Kufa. BIOPHYTUM SENSITIVUM (L.) De. (Oxalidaceae)

Dianga, Balari, 8.2.69.

Alt. 600 m., growing in manioc field close to the village in full sunlight.

Small ground plant with circular leaf arrangement, small orange flowers.

Use: Several plants rubbed together into small incisions which are made over painful joints.

2. Lukasa, CAJANUS CAJAN (L) MILL SP. (Papilionaceae)

Dianga, Balari, 8.2.69.

Alt. 600 m., growing beside village. Small bush 2 - 3 m. growing in full sunlight; quite frequent.

Use: Leaves are used to make funnel and juice of leaves poured into eyes as treatment.

3. Mitoko-toko, NYMPHAEA LOTUS L. (Nymphaeaceae)

Kimbamba, Balari, 8.2.69.

Alt. 600 m. in small stream. Leaves float on water and are red on undersurface; large white flowers; frequent.

Use: Leaves used to treat "*mumpompila*", a condition caused by spirits said to affect young children causing headache fever and division of the head.

4. Mudidi TETRORCHIDIUM DIDYMOSTEMON (BAILL) PAX et K. HOFFM (Euphorbiaceae)

Kimbamba, Balari 8.2.69

Found in small forest, alt. 600 m. Small tree growing near water, 2-5 meters high with round red fruit.

Use: with no. 3 Nymphaea lotus to treat *mumpompila* disease affecting young children said caused by spirits.

5. Munzeke-Munzeke ABRUS PRECATORIUS L. (Papilionaceae)

Kimbamba, Balari, 8.2.69

Cultivated by the women in fields near the village. Very frequent,

Alt. 600 m. Grows as a vine with small red fruits, leaves.

Use: used widely to increase breast milk in lactating mothers.

6. Lubala-Mukanga MANOTES PRUINOSA GILG (Connaraceae)

Kimbamba, Balari, 8.2.69.

Found in the forest and along the road, shade or sunlight. Alt. 600 m. Vine.

Use: Leaves or sap used to make drink to increase breast milk used along with *Abrus precatorius*.

7. Kangaya (Bakala) (mâle) SETARIA MEGAPHYLLA (STEUD.) TH; DUR. et SCHINZ (Gramineae)

Kimbamba, Balari, 8.2.69.

Found in partial shade in forest. Alt. 600 m. Grows to height 1 - 1 1/2 m. Quite common.

Use : Said to be male partner in pair of plants. The leaves of female partner *Setaria megaphylla* used to make funnel to administer drink of *Abrus precatorius* (5) and *Manotes griffoniana* (6).

8. Kangaya II (Nkento) (female) SETARIA MEGAPHYLLA (STEUD.) TH. DUR. et SCHINZ (Gramineae)

Kimbamba, Balari, 8.2.69.

Found in partial shade in forest. Alt. 600 m. Grows to 1 - 1 1/2 inches height.

Said to be female partner of similar plant. The leaves used to make funnel to administer medicine to increase lactation.

9. Tumvumvu SIDA ACUTA BURM. f. (Malvaceae)

Kimbamba, Balari, 8.2.69.

Found in sunlight in villages or along roadsides, very frequent.

Alt. 600 m. Orange flowers.

Leaves are used to make a liquid used to treat diarrhea.

10. Kienga NAUCLEA LATIFOLIA SM. (Rubiaceae)

Kumbi, Kivunda, 11.2.69.

Very frequent in full sunlight in savanna or manioc fields. Small bush 2 - 4 m with white fruits which turn black in maturity.

Use: the roots are commonly used for abdominal pains and diarrhea.

11. Nlulu ANNONA SENEGALENSIS PERS. ssp. OULOTRICHALE THOMAS (Annonaceae)

Kumbi, Kivunda 11.2.69.

Small bush very common in savanna 1 - 2m. high in full sunlight. Alt. 600m.

Flowers reported to be white.

Used for abdominal pain. Treat superficial skin wounds such as scabies.

12. Kinsangula MAPROUNEA AFRICANA MULL. ARG. (Euphorbiaceae)

Kumbi, Kivunda 11. 6. 69.

Small bush 1 - 2m. In savanna very common. Fruits small and red in February.

Flowers reported to be green.

Roots used to treat abdominal pain and as a treatment for intestinal worms.

13. Mumpala-Mbaki CROSSOPTERIX FEBRIFUGA (AFZ. ex. G. DON.) (Rubiaceae)

Kumbi, Kivunda 11.2.69.

Common in savana. Small bush 2-5m.

Used to treat (1) diarrhea in children (2) fever (3) hernia (4) swelling of the legs.

14. Nzangania HYMENOCARDIA ULMOIDES OLIV.

(Euphorbiaceae)

Kurnbi, Kivunda 11.2.69.

Found in forest close to water. Small bush 2 meters high. Common.

Leaves used to prepare medicine for a cough.

15. Nkunga-Mbwa PTERIDIUM AQUILINUM (L) KOHN

(Pteridophyta)

Kumbi, Kivunda, 11.2.69.

Found commonly in full sunlight in savanna, or in the forest. Bush grows 10 cm. to 1 m. in height.

Used to treat *Lubanzi* which is a chest pain of specific nature. Also used to treat hemorrhoids.

16. Mvuka MILLETTIA sp. (Papilionaceae)

Kumbi, Kivunda, 11.2.69.

Frequently found in forest. Common in savanna. Heavy vine which grows along ground or climbs on other trees.

17. Nzingu - Nkabi TETRACERA ALNIFOLIA WILLD

(Dilleniaceae)

Kumbi, Kivunda, 11.2.69.

Found in forest often close to villages. Vine with very large leaves.

Used (1) to purify a woman's breast milk, (2) to treat abdominal pain.

18. Nsurnbi-Nsurnbi COMBRETUM RACEMOSUM P. BEAUV.

(Combretaceae)

Grows only in shade. Large vine in forest growing close to ground with large spines.

Used to treat bloody diarrhea and swelling of the legs.

19. Mansiu-Nsiu OCIMUM GRATISSIMUM L. (Labiatae)

Kumbi, Kivunda, 11.2.69.

Found in sunlight beside village huts. Very common.

Small bush 1 m. high.

Used to treat the eyes.

20. Yuka - Yuka BRYOPHYLLUM PINNATUM (LAMIT.) OKEN

(Crassulaceae)

Kumbi, Kivunda, 11.2.69.

Found in full sunlight amongst trees close to village. Grows to height of 1-1 1/2m.

21. Fula CASSIA OCCIDENTALIS L. (Caesalpiaceae)
Kintwala, Kivunda, 5.3.69.
Plant found in full sunlight in villages growing 50 cm. to 1 m. high
600m.
Yellow flowers.
Used to treat abdominal pain and intestinal worms.
22. Lemba - Ntoko SOLENOSTEMON MONOSTACHYUS (P.
BEAUV.) BRIQ. (Labiatae)
Kintwala, Kivunda, 5.3.69.
Found in village in partial shade growing around base of a palm tree.
Flowers small, white and purple.
Use: Child's fever.
23. Nkamba CHLOROPHORA EXCELSA (WELW.) BENTH.
(Moraceae)
Kintwala, Kivunda, 5.3.69.
Large tree found in forest or commonly in villages.
Use: Used with tetracera potatoria (17) to treat a woman who has
bad breast milk.
24. Muduluka CAREPHA CURCAS L. (Euphorbiaceae)
Kintwala, Kivunda, 5.3.69.
Small bush 1 - 3 m. in height, cultivated in villages growing in full
sunlight.
Use: Leaves are mixed with water to treat a cough.
25. Fumu-dia-nseke ERIGERON FLORIBUNDUS (H.B. et K.)
SCH. BIP. (Compositae)
Kintwala, Kivunda, 5.3.69.
Found rarely in old villages alongside of building in shade at altitude
of 600m.
Use: Leaves mixed in water to prepare drink to treat headache.
26. Kideka TRICHOPTERYX FRUTICULOSA CHIOV.
(Gramineae)
Commonly found in full sunlight in savanna and along roads.
Use: Leaves are burned and mixed with salt rubbed into small
incisions to treat *Lubanzi*, a chest pain.
27. Mundanda - Njila SCHWENCKIA AMERICANA L. (Solanaceae)
Kintwala, Kivunda, 5.3.69.
Found commonly in full sunlight at side of roads growing height 20-
30cm.
Use: Leaves prepared in hot water as medicine to treat difficulty
with breathing.
28. Luhete HYMENOCARDIA ACIDA TUL. (Euphorbiaceae)
Kintwala, Kivunda, 6.3.69.
Small bush in burned-over savanna growing to height of 1- 3 m.
Use: Sap from bark used to put into eyes of someone with epilepsy.

29. Nsingu - Nkabi TETRACERA ALNIFOLIA WILLD
(Dilleniaceae)

Kintwala, Kivunda, 6.3.69.

Common vine found in forest close to water. Alt. of 400 m.

Use : Sap of the vine used to purify mother's breast milk.

30. Tumvumvu SIDA ACUTA BUM.f (Malvaceae)

Kintwala, Kivunda, 6.3.69.

Found commonly in forest and along roadside in partial sunlight.

Grows to height of 50 cm. with yellow flowers in February or March.

Use: Leaves are crushed to make a drink to treat diarrhea.

31. Mundumbu EMILIA COCCINEA (SIMS) G. DON (Compositae)

Kintwala, Kivunda, 6.3.69.

Frequent - found in savanna or forest close to water - grows in full sunlight.

Use: The leaves are rubbed into small incisions to treat swelling.

32. Ba-Da-Nseke CURCULIGO PILOSA (SCHUM.) ENGL.

(Hypoxidaceae)

Kintwala, Kivunda, 7.3.69.

Very common, found in full sunlight in savanna and along roadsides.

Grows to height 10 - 30 cm.

Use: To treat hernia.

33. Munsanga - Vulu COSTUS LUCANUSIANUS J. BR. et K.

SCHUM. (Zingiberaceae)

Kumbi, Kivunda, 7.3.69.

Commonly found in forest near water in shade.

Small tree 1 - 6 m. in height with white and purple flowers.

Use : Roots are used to treat ear infections and for abdominal pain.

34. Mfilu VITEX MADIENSIS OLIV. (Verbenaceae)

Kumbi, Kivunda, 15.3.69.

Commonly found in peanut fields or savanna near villages in sunlight or partial shade. Grows to height 20 cm. - 1 m. with white flowers with blue center.

Use: Juice from leaves and roots used for diarrhea, also used to treat back pain.

35. Lubota MILLETTIA VERSICOLOR WELW. ex BAK.

(Papilionaceae)

Kumbi, Kivunda, 15.3.69.

Common in forest or alongside of peanut fields in partial shade.

Small bush height 2 m.

Use: (1) Treat headache (2) Diarrhea and intestinal worms.

36. Kinkuba - Mbu ASPARAGUS ABYSSINICUS HOCHST ex A.

RICH. (Liliaceae)

Kumbi, Kivunda, 15.3.69.

Fairly common in peanut fields in full sunlight. Found altitude 600 m.

Grows height 20 cm

Use: Treat hernia.

37. Mbunzi-Kibunzi *ALCORNEA CORDIFOLIA* (SCHUM) MULL. ARG. (Euphorbiaceae)
Kumbi, Kivunda, 15.3.69.
Found in forest near the village. Altitude 400 m. - 600 m. Small bush with many branches growing from common rot. Grows height 2 - 3 m.
Use : Treat cough and disuria. De Wilderman reports plant used for dental caries.
Common in old village site growing along the ground. Flowers white.
Use: Women put in food of someone who is acting anti-social.
38. Mufuma *CEIBA PENTANDRA* (L.) GAERTN (Bombacaceae)
Muyemi, Kivunda, 15.3.69.
Common in village or forest. Small tree 6 - 8 m. Altitude 625 m.
Use : To treat cough.
39. Munkula - Mvumbi *STEGANOTAENIA ARALIACEA* HOCHST (Ombelliferae)
Muyerni, Kivunda, 15.3.69.
Found in village near forest in partial shade. Small tree of 4 meters.
Use : Leaves used to make medicine for *Lubanzi*, a pain in the thorax.
Laman reports used to treat someone who dreams.
40. Kilemba-Nzau *GARDENIA JOVIS-TONANTIS* HIERN (Rubiaceae)
Muyerni, Kivunda, 15.3.69.
Common in village or savanna. Green fruits size of an egg.
Use: To treat toothache and ulcers in the mouth.
41. Patakani Cfr. *LACTUCA* sp. (Compositae)
Muyemi, Kivunda, 15.3.69.
Common in savanna or along roadsides in full sunlight.
Use: Leaves used in water as medicine for diarrhea.
42. Muzeke-zeke *DISSOTIS* sp. = 162 -163 (Melastomataceae)
Muyemi, Kivunda, 15.3.69.
Common in old fields in full sunlight. Grows height 50. cm. with purple flowers with yellow centre in February or March.
Use: To treat heart pain and palpitations; also used to rub into small skin incisions.
43. Mufilu *VITEX MADIENSIS* OLIV. (Verbenaceae)
Muyemi, Kivunda, 15.3.69.
Common in savanna in full sunlight. Black fruits at maturity.
Use: Bark is used for diarrhea and leaves used to treat cough.
44. Lubata - Bata *COSTUS SPECTABILIS* (FENZ L.) K. SCHUM. (Zingiberaceae)
Muyemi, Kivunda, 15.3.69.
Common in shade in fields.
Use : Used with *Dissotis* sp. (2) and *Schwenckia americana* (27) to treat heart pain and palpitations.

45. Saka - Dia - Mukanka cfr. PAURIDIANTHA sp. (Rubiaceae)
Muyemi, Kivunda, 15.3.69.
Tree in forest close to water. Green flowers.
Use: Bark is boiled in water to make red liquid to treat anemia.
46. Mununga Musitu RAUWOLFIA MANNII STAPF
(Apocynaceae)
Muyemi, Kivunda 15.3.69.
Common in forest in shade. Red fruit.
Use: Roots are boiled in water to make medicine for abdominal pain.
47. Yombo (Mupesi) QUASSIA AFRICANA BAILL
(Simarubaceae)
Muyeni, Kivunda, 15.3.69.
Common in forest near water in shade.
Roots are long 50 c.m. -1 m.
Use : Leaves and roots used to treat hernia.
48. Mpamba Munti CULCASIA SAXATILIS A.; CHEV. (Araceae)
Muyeni, Kivunda, 15.3.69.
Vine growing in trees in forest near water - common white flowers in July with red fruits.
Use: To treat hysterical loss of voice.
49. Munsele - Bende CRINUM sp. (Amaryllidaceae)
Muyeni, Kivunda, 15.3.60.
Rare specimen in shade in forest near NGUDI River at 500 m.
Some plants cultivated in village. Bulb.
Use : Bulb used to treat leg weakness after a long illness.
50. Lunama DESMODIUM VELUTINUM (WILLD.) DC.
(Papilionaceae)
Muyeni, Kivunda, 15.3.69.
Common in savanna in old village in full sunlight. Small bush.
Use : To treat diarrhea or threatened abortion.
51. Mulondo SCHWENCKIA AMERICANA L. (Solanaceae)
Muyeni, Kivunda, 15.3.69.
Common in savanna in full sunlight. Grows to height 50 c.m. -1 m.
Use : Used to treat heart pain and palpitation with *Tristemma* sp. (42) and *Costus spectabilis* (44).
52. Lemba - Lemba BRILLANTaisia PATULA T. ANDERS.
(Acanthaceae)
Muyeni, Kivunda, 15.3.69.
Found in forest and cultivated in villages. Grows in shade. Fairly rare.
Use : Many symbolic uses. Used to protect the entrance to a village.
Leaves used to treat fevers and leaves used as symbolic start of a cure.
53. Mwakasa CASSIA cfr. MANNII OLIV. (Caesalpiniaceae)
Muyeni, Kivunda, 15.3.69.
Large tree in forest in a valley. Altitude of 500 m. Small brown fruits found in black ped.
Use: Bark used to treat someone who was poisoned.

54. Kuluba OCHNA cfr. AFZELII R. BR. ex. OLIV. (Ochnaceae)
Muyeni, Kivunda, 15.3.69.
Tree in the forest.
Use: Used to treat diarrhea but said not to be effective.
55. Mansunsu Ma Bakala OCIMUM cfr. BASILICUM L. (Labiatae)
Muyeni, Kivunda, 15.3.69.
Found in village in full sunlight. Common. Grows height 50 cm. Said to be male partner of *Ocimum gratissimum* (56).
Use : With *Ocimum gratissimum* (56) and *Brillantaisia patula*(52) to begin a cure.
56. Mansunsu Ma Nkento OCIMUM GRATISSIMUM L. (Labiatae)
Muyeni, Kivunda, 15.3.69.
Common in village or savanna in full sunlight. Grows height 50 cm.
Said to be female partner of *Ocimum cfr. basilicum* (55).
Use : Used with *Ocimum cfr. basilicum* (59) and *Brillantaisia patula* (52) to make drink to start a cure.
57. Mulala- Wasangi cfr. CANTHIUM sp. (Rubiaceae)
Muyeni, Kivunda, 15.3.69.
Tree in forest in shade. Moderately rare. White flowers in October.
Use : Bark used to make drink for epilepsy or dizziness.
58. Mpuku • Mwifi • Ya- Nkento (female rat thief) PALISOTA sp.
cfr. AMBIGUA (P. BEAUV.) C.B. CLARKE (Commelinaceae)
Muyeni, Kivunda, 15.3.69.
Moderately rare in forest in shade. Grows height 1 . 2 m. Fruits arranged in raceme; fruits are berries, red, white, and black
Use : Plant burned to make powder to rub into skin incisions for back pain and rheumatism
59. Muntense - Mankelele MAESOPSIS EMINII ENGL.
(Rhamnaceae)
Muyeni, Kivunda, 15.3.69.
Fairly common in the forest in the valleys.
Bark is mixed with palm wine to make medicine to treat intestinal worms.
60. Mpuku - Mwifi - Ya - Bakala (Male rat thief) PALISOTA sp.
(Comelinaceae)
Muyeni, Kivunda, 15.3.69.
Moderately rare in forest in shade. Grows 1- 2 m. with berries in red, black, white raceme. Said to be male partner of similar plant. The gender distinction is largely made on colours of berries.
Use : To make powder to rub skin incisions to treat skeletal pain.
61. Fuma dia nseke ERIGERON FLORIBUNDUS (H.B. et K.) SCH.
BIP. (Compositae)
Kumbi, Kivunda, 16.3.69.
Common in shade in manioc field. Grows to 10 - 50 cm. high.
Use: To treat headache and heart pain.

62. Mbangantela CALONCOBA WELWITSCHII (OLIV.) GILG.
(Flacourtiaceae)

Kumbi, Kivunda, 17.3.69.

Common in valley near water in shade. Small bush 4 - 5 m. high,
bushy

Use: To treat pain in urination.

63. Bubu FICUS sp. (Moraceae)

Kumbi, Kivunda, 17.3.69.

Found in valley in marsh or water in partial shade. Grows height 8-
10m.

Latex producer.

Use : Latex is applied to boil to extract the pus.

64. Mumvuka PHYLLANTHUS sp. (Euphorbiaceae)

Muyeni, Kivunda, 17.3.69.

Found in villages and savanna. Common. Grows height 50 cm.

Use: Leaves are eaten to prevent threatened abortion.

65. Manguansi OCIMUM cfr. BASILICUM L. (Labiatae)

Kimbedi, Kivunda.

Cultivated in villages, alt. 600 m. growing in full sunlight to height 50 cm.

Use : Used as seasoning to give flavour and smell to food.

66. Mansiusiu wa nkento (female) OCIMUM cfr. BASILICUM L.

(Labiatae)

Kimbedi, Kivunda, 17.3.69.

Common in villages in full sunlight. Grows height of 30 cm. Said to
be female partner of *Ocimum gratissimum* (67).

67. Mansiunsu wa bakala (male) OCIMUM GRATISSIMUM L.

(Labiatae)

Kimbedi, Kivunda, 17.3.69.

Common in villages growing in full sunlight. Height 30 - 50 cm. Said
to be male partner to *Ocimum cfr. basilicum* (66).

68. Kilembe - lembe kia nseke (kia nlonde) VIRECTARIA

MULTIFLORA (SM) BREMEK. (Rubiaceae)

Kimbedi, Kivunda, 17.3.69.

Small ground plant rarely found growing in grass in savanna in shade
of grass. White flowers.

Use: Important use with *Brillantaisia patula* (52) *Piper umbellatum*
(69) and *Erigeron fioribundus* (61) to treat foods.

69. Lemba - Ntoko PIPER UMBELLATUM L. (Piperaceae)

Kisiasia, Kivunda, 17.3.69.

Relatively rare in forest near water or moisture in partial shade.

Ait. 600 m. Small bush 1 - 2 m.

Use : Used with other plants to treat foods.

70. Kilonga - Longa NYMPHAEA LOTUS L. (Nymphaeaceae)
Kumbi, Kivunda, 17.3.69.
Found in small stream or river along banks. Under-surface of leaves red.
White flowers.
Use : To treat weakness in legs.

71. Lunsongi LEONOTIS NEPETIFOLIA (L) AIT. (Labiatae)
Kumbi, Kivunda, 17.3.69.
Common in villages in full sunlight. Small bush 1 - 2 m. with orange
flowers.
Use: To treat vomiting.

72. Diamba - Koko CHENOPODIUM AMBROSIOIDES L.
(Chenopodiaceae)
Kumbi, Kivunda, 17.3.69.
Common in villages in full sunlight. Grows height 20 - 40 cm.
Use: for Medicine to treat an abscess.

73. Kimbanzia ELEUSINE INDICA L. (Gramineae)
Kumbi, Kivunda, 17.3.69.
Very frequent in all villages. Grass cultivated in all villages.
Use: Symbolic use in many fetishes and ceremonies.

74. Kidoka - doka CENTELLA ASIATICA (L.) URB.
(Ombelliferae)
Kumbi, Kivunda, 17.3.69.
Common vine in savanna growing along ground in full sunlight.
Use: To treat weakness of legs.

75. Mwindu BRIDELIA FERRUGINEA BENTH. (Euphorbiaceae)
Kibunzi, Mbanza Mwembe 10.4.69.
Small bush 3 - 4 m. in savanna in full sunlight. Alt. 400 m. near Zaire
river. Small green fruits.
Use: Sap of bark is mixed with a lemon and
put into eyes of someone with epilepsy.

76. Munzeke - Nzeke ABRUS PRECATORIUS L. (Papilionaceae)
Tadi, Mbanza Mwembe, 12.4.69.
Common vine cultivated in all villages growing in partial shade or full
sunlight. Alt. 400 m. near Zaire river. Purple flowers and small red
fruits in pod.
Use: To purify and increase supply of a women's breast milk.

77. Mfilu VITEX MADIENSIS OLIV. (Verbenaceae)
Tadi, Mbanza Mwembe 12.4.69.
Grows in full sunlight in savanna. Height 40 com. with white flowers.
Slight odor.
Use : to treat urinary infections.

78. Tumvumvu SIDA CORDIFOLIA L. (Malvaceae)
Tadi, Mbanza Mwernbe 12.4.69.
Grows in full sunlight in savanna. Height 40 cm. with white flowers.
Slight odor.
Use: to treat urinary infections.
79. Nkila - Mbwa PENNISETUM POLYSTACHYON (L.) SCHULT. (Gramineae)
Tadi, Mbanza Mwembe, 12.4.69.
Savanna in full sunlight. Very common. Red flowers.
Use : Leaves used to rub on side of patient with pain called *Lubanzi*.
80. Yeye PIPTADENIASTRUM AFRICANUM (HOK. F.) BRENAN (Mimosaceae)
Tadi, Mbanza Mwembe, 12.4.69.
Common small tree 3 - 4 m. in savanna in full sunlight.
Use : Roots used to prepare enema used to treat bloody diarrhea.
81. Munkula - Ndozi STEGANOTAENIA ARALIACEA HOCHST. (Umbelliferae)
Tadi, Mbanza Mwembe, 12.4.69.
Small bush in savanna in full sunlight.
Use: Leaves are used to prepare powder which is inhaled to treat intestinal worms.
82. Kinsangani GARDIOSPERMUM GRANDIFLORUM SWARTS (Sapindaceae)
Tadi, Mbanza Mwembe, 12.4.69.
Vine in forest close to water.
Use : Leaves used for headache.
83. Lunama - nama DESMODIUM VELUTINUM (WILLD) DC. (Papilionaceae)
Tadi, Mbanza Mwembe, 12.4.69.
Common in villages or savanna. Height 50 cm. with white flowers in April.
Use: Pain in urination.
84. Nsanda FICUS sp. (Moraceae)
Tadi, Mbanza Mwembe, 12.4.69.
Common tree in forest. Latex producer.
Use: Treat swelling of body and leg edema.
85. Dinsongi LEONOTIS NEPETIFOLIA (L.) AIT. (Labiatae)
Tadi, Mbanza Mwembe, 12.4.69.
Found in village in partial shade, Grows 20 cm. to 1 m. No odour.
Use: Fruits used to prepare medicine for abdominal pain.
86. Mpuluka JATROPHA CURCAS L. (Euphorbiaceae)
Tadi, Mbanza Mwembe, 12.4.69.
Tree commonly cultivated in villages. Yellow flowers in September.
Use : Bark used to treat vertigo.

87. Kuzuwa ANACARDIUM OCCIDENTALE L. (Anacardiaceae)

Tadi, Mbanza Mwembe, 12.4.69.

Tree cultivated in villages. White and red flowers.

Bark is used to make soothing solution for hemorrhoids.

88. Nlulu-Kulu VERNONIA COLORATA (WILLD.) DRAKE.

(Compositae)

Mbanza Mwembe village (Mbanza Mwembe secteur) 19.4.69.

Small tree 4 - 5 m. high found in -forest alto 450 m. and cultivated in village. White flowers.

Use : Used with other plants to treat heart pain.

89. Nsanda FICUS sp. (Moraceae)

Mbanza Mwembe 19.4.69.

Common tree in villages. Latex producer.

Use : To treat cough.

90. Turnvumvu SIDA ACUTA BURM. f. (Malvaceae)

Mbanza Mwembe 19.4.69.

Common in villages in full sunlight. Orange flowers.

Use: To treat diarrhea.

91. Nlungu CAPSICUM: FRUTESCENS L. (Solanaceae)

Mbanza Mwembe 19.4.69.

Cultivated in villages. Grows small shrub 50 cm. -1 m. with red fruits - very strong pepper.

Use : Leaves used to put in eyes of patient with heart pain.

Commonly used as seasoning.

92. Kuzuwa ANACARDIUM OCCIDENTALE L. (Anacardiaceae)

Mbanza Mwembe 19.4.69.

Cultivated tree common in villages. Yellow edible fruits in April.

Use : To make medicine to treat hemorrhoids.

93. Fuluta PSIDIUM: GUAJAVA L. (Myrtaceae)

Mbanza Mwembe 19.4.69.

Small bush cultivated in villages. Round orange fruits in April.

Use: Leaves used to treat abdominal pain and bloody diarrhea.

94. Mpese-Mpese NEWBOULDIA LAEVIS (P. BEAUV.) SEEM.

(Bignoniaceae)

Mbanza Mwembe 19.4.69.

Cultivated tree in villages. Grows very straight. White flowers in dry season with long narrow fruit 20 - 30 cm.

Use : Abdominal pain.

Planted to outline property of a village chief.

95. Mfundu *BOERHAVIA DIFFUSA* L. (Nyctaginaceae)
Mbanza Mwembe 20.4.69.
Cultivated in villages for medicinal use. Grows along ground.
Use : Male sexual stimulant.
96. Luyuki *BRYOPHYLLUM PINNATUM* (LAM.) OKEN
(Crassulaceae)
Mbanza Mwembe, 20.4.69.
Cultivated in villages. Grows in shade to height 50 cm.
97. Tula *LAGGERA ALATA* (D.DON.) SCH. BIP. ex OLIV.
(Compositae)
Mbanza Mwembe 20.4.69.
Cultivated in villages. Grows in shade to height 1 m. White flowers in dry season.
98. Nsadi *GOSSYPIUM BARBADENSE* L. (Malvaceae)
Mbanza Mwembe 20.4.69.
Cultivated in villages. Grows in shade. Small shrub 2 - 3 m. high with yellow flowers in dry season which produce cotton.
Use : Cotton used to clean wounds.
99. Nkama - Nsongo *HYPTIS SUAVEOLENS* POIT. (Labiatae)
Mbanza Mwembe 20.4.69.
Small shrub in savanna or cultivated in villages.
Brows height 50 cm. With blue flowers and mint odor.
Use: Leaves used to treat cough along with *Euphorbia hirta* (108) and an onion.
100. Kimvumina *EUPHORBIA HIRTAL.* (Euphorbiaceae)
Mbanza Mwembe 20.4.69.
Found in villages and savanna in shade. Small plant in shade near ground with coloured flowers.
Use: Leaves used with *Hyptis suaveolens* (99) to treat cough.
101. Mianzi mia masisia-bisia *AFRAMOMUM* sp. (Zingiberaceae)
Mbanza Mwembe 22.4.69.
Grows in forest in shade. Height 2 m. with very straight stem.
Use: Roots used to prepare enema to treat abdominal pain.
102. Makangaya *SETARIA MEGAPHYLLA* (STEUD.) TH. DUR. et SCHINZ (Gramineae)
Mbanza Mwembe 24.4.69.
Common plant in shade in forest. Growing height 50 cm. -1 m.
103. Mumbala-mbala *CISSUS RUBIGINOSA* (WELW.) ex BENTH. PLANCH. (Vitaceae)
Mbanza Mwembe 22.4.69.
Common vine in forest or savanna.
Use: Roots used for dysuria and blood in urine.

104. Dinkondo dia kimbiti ANCHOMANES DIFFORMIS (BL.)
ENGL. (Araceae)
Mbanza Mwembe 22.4.69.
Small tree 2m growing in moisture with large tuber which produces new tree each September. Stam very hard.
Use: Tuber used to heal foals.

105. Dinkondo dia kimbita ANCHOMANES DIFFORMIS (BL.)
ENGL. (Araceae)
Mbanza Mwembe 22.4.69.
Grows in moisture from large tuber. Young plant.
Use: Tuber used to cure foals.

106. Munkunsia COSTUS sp. (Zingiberaceae)
Mbanza Mwembe 22.4.69.
Vine in moisture in forest. White flowers.

107. Mumpala mbaki CROSSOPTERYX FEBRIFUGA (AFZ. ex. G. DON.) BENTH. (Rubiaceae)
Mbanza Mwembe 23.4.69.
Cultivated in villages. Grows height 1 m.
Use: For abdominal pain.

108. Mungyenge SPONDIAS MOMBIN L. (Anacardiaceae)
Mbanza Mwembe 23.4.69.
Small tree cultivated in villages also found in forest. Grows height 2 - 3 m, with edible yellow fruits.
Use : Leaves used to treat excessive sweating.

109. Luvete HYMENOCARDIA ACIDA TUL. (Euphorbiaceae)
Mbanza Mwembe 22.4.69.
Cultivated in villages. Small shrub 3 m. high with large stem 20 - 30 cm in diameter. Yellow flowers and green fruits.
Use : To treat pain in eyes.

110. Votolo PSOROSPERMUM FEBRIFUGUM SPACH.
(Guttiferae)
Mbanza Mwembe 23.4.69.
Cultivated in village. Small bush with white flowers.
Use : Bark used to treat leprosy.

111. Lolo nturnbi NAUCLEA cfr. "" GILLETTII (DE WILD.)
MERR. (Rubiaceae)
Mbanza Mwembe 27.4.69.
Small bush in villages and savanna. Red fruits.
Use: For abdominal pain.

112. Ma mwa nsongi LEONITIS NEPETIFOLIA (L.) AIT.
(Labiataa)
Mbanza Mwembe 23.4.69.
Cultivated in village in sunlight. Grows height 40 cm. -1 m.
Use : Used for disorders in female reproduction locally called hernias of women.

113. Nkadi-Nkadi CAMOENSIA MAXIMA WELW. ex. BENTH.
(Papilionaceae)

Mbanza Mwembe 23.4.69.

Vine in savanna growing along ground. White flowers.

Use : Pain in eyes.

114. Kilemba SOLANUM sp. (Solanaceae)

Mbanza Mwembe 23.4.69.

Villages and forest. Small bush 1 m. high with white flowers and red fruit like a tomato.

Use: Leaves used as a laxative.

115. Dia ba Mvudi EUPATORIUM AFRICANUM OLIV. et HIERN.
(Compositae)

Mbanza Mwembe 23.4.69.

Found on slopas in savanna. White flowers in dry season.

Use: Leaves used to treat diarrhea.

116. Diza dia nlernbo EUPHORBIA TIRUCALLI L.

(Euphorbiaceae)

Mbanza Mwembe 23.4.69.

Cultivated in village. Cactus 2 - 3 m. high with latex.

Use: To poison fish in streams and has symbolic uses in rites.

117. Sa Kongo (Nti a menga) (blood tree) (A). HIBISCUS

ACETOSELLA WELW. ex HIERN (Malvaceae)

Mbanza Mwembe 24.4.69.

Cultivated in villages as flowers and for medicinal use. Grows in full sunlight. Small bush 1 m. high with red leaves and flowers.

Use : Red leaves used to treat anemia.

118. Sa Kongo (Nti a menga) (blood tree) (B) HIBISCUS

ACETOSELLA WELW. ex HISRN (Malvaceae)

Mbanza Mwembe.

Cultivated in villages as flowers and medicinal uses. Small bush with red leaves and flowers.

Use: Red leaves used to treat suspect anemia.

119. Mfilu VITEX MADIENSIS OLIV. (Verbenaceae)

Mbanza Mwembe, 24.4.69.

Grows in savanna in full sunlight; common. Small bush 1 - 2m. with strong scent and black fruits.

Use: Fruits used to treat headache plus plant has a ritual use.

120. Nlolo ANNONA SENEGALENSIS PERS. ssp.

OULOTRICHA LE THOMAS (Annonaceae) .

Mbanza Mwembe 24.4.69.

Common bush is burned-over savanna. Red flowers and clear fruits.

Use: In local rituals.

121. Diza dia kinene EUPHORBIA HERMANTIANA LEM.

(Euphorbiaceae)

Mbanza Mwernbe, 24.4.69.

Very commonly cultivated in village. Grows in partial shade and full sunlight. Cactus with main stem forming a cross with side branches three sided. Small pink flowers in April.

Use : Symbolic protection of village against thunder, also used to poison fish.

122. Luvuka MILLETIA sp. (Papilionaceae)

Mbanza Mwembe, 24.4.69.

Common vine growing in savanna along roadsides and on other plants in full sunlight.

Use: Widely used to purify a woman's breast milk.

123. Nkuki (Bangu) SYMPHONIA GLOBULIFERA L. f.

(Guttiferae)

Mbanza Mwembe, 24.4.69.

Large tree in forest growing in moisture or near water.

Use : Bark used to treat abdominal swelling.

124. Nsolo nsonso ROTTBOLLIA EXALTATA L. (Gramineae)

Mbanza Mwembe, 24.4.69.

Plant in forest and savanna growing in full sunlight. Common.

Use: Used with fruits of vitex sp. to treat pain in the side.

125. Mpunga TRIUMFETTA CORDIFOLIA A. RICH. (Tiliaceae)

Mbanza Mwembe, 24.4.69.

Small bush 1 - 2 m. high in shade in forest.

Use : Sap of bark put into eyes as cure for diarrhea.

126. Bumi bia nkento (female) CASSIA ALATA L.

(Caesalpiniaceae)

Mbanza Mwembe, 24.4.69.

Commonly cultivated in villages. Grows in full sunlight. Grows height 1 m. and has yellow flowers in dry season.

Use : Roots used to treat stomach disorders. Said to be female partner of *Tephrosia Vogelii* Hook. f. = Papilionaceae. (127).

127. Bumi dia bakala (male) TEPHROSIA VOGELII HOOK. f.

(Papilionaceae)

Mbanza Mwembe, 24.4.69.

Cultivated in villages in full sunlight. Grows height 40 cm.

Use : Leaves said to be poisonous and are used to kill fish. Plant said to be male partner of *Cassia alata* (126).

128. Luyanga . yangu CYMBOPOGON DENSIFLORUS (STELD.)

STAPF (Gramineae)

Mbanza Mwembe 24.4.69.

Plant growing in full sunlight cultivated in village. Rare. Grows height 1 m.

Use : To treat patient who has difficulty breathing.

129. Luyangu - yangu CYMBOPOGON DENSIFLORUS (STEUD.)

STAPF (Gramineae)

Mbanza Mwembe, 24.4.69.

Rare plant cultivated in villages.

Use : To treat patient with breathing difficulty.

130. Luvanga *DICHROSTACHYS CINEREA* (L.) WRIGHT et ARN. (Mimosaceae)
Mbanza Mwembe, 24.4.69.
Common on slopes in savanna in full sunlight. Small bush 3 m high.
Use: Roots boiled in water to treat abdominal pains and vomiting.
131. Dingwanzia *OCIMUM* cfr. *BASILICUM* L. (Labiatae)
Mbanza Mwembe, 24.4.69.
Common plant cultivated in villages growing in full sunlight, also in forests. Grows height 40 cm. with spicy scent.
Use : Medicinally used to treat cough, also used as a spice in cooking.
132. Lemba ntoko *PIPER UMBELLATUM* L. (Piperaceae)
Mbanza Mwembe, 24.6.69.
Grows in forest in shade often in soil with high moisture content. Relatively rare. This specimen is a young plant 15 cm. high but plant grows to small bush 1 - 2 m. high.
Use: Leaves used to treat anxiety and heart pain.
133. Kanga - ngoyo *CISSAMPELOS OWARIENSIS* P. BEAUV. ex DC. (Menispermaceae)
Mbanza Mwembe, 24.4.69.
Long vine in shade in forest. Strong scent.
Use: Roots used to treat threatened abortion.
134. Mbubu *MYRIANTHUS ARBOREUS* P. BEAUV. (Moraceae)
Mbanza Mwembe, 24.4.69.
Large tree in forest. Green fruits size of an egg.
Use: Bark used to treat infertility in woman.
135. Makinda-ngolo *CLERODENDRUM SPLENDENS* D. DON (Verbenaceae)
Mbanza Mwembe, 24.4.69.
Vine in forest with very large leaves.
Use : To treat weakness of the body.
136. Mansiusiu ma bakala (male) *OCIMUM GRATISSIMUM* L. (Labiatae)
Mbanza Mwembe, 24.4.69.
Commonly cultivated in villages. Grows height 40 cm.
Use : Used with *Ocimum canum* (137) to treat epilepsy. Said to be male partner to *ocimum canum*.
137. Mansiusiu ma nkento (female) *OCIMUM CANUM* L. (Labiatae)
Mbanza Mwembe, 24.4.69.
Common plant in villages growing in full sunlight. Grows height 40 cm with strong scent.
Use : With *Ocimum gratissimum* (137) to treat epilepsy. Said to be female partner to *Ocimum gratissimum*.

138. Zangi bia nzi *VIGNA UNGUICULATA* (L.) WALP.
(Papilionaceae)

Mbanza Mwembe, 24.4.69.

Vine found in villages and savanna. Growing along ground. White flowers which change colour to red.

Use : To treat cough.

139. Nsolokoto *BIDENS PILOSA* L. (Compositae)

Mbanza Mwembe, 24.4.69.

Found in villages in full sunlight. Bushy shrub 1 m. high with white flowers with yellow centers in April.

Use: To treat pain in side known as Lubanzi.

140. Nsaka - nsaka *LUFFA CYLINDRICA* (L.) M.J. ROEM.

(Cucurbitaceae)

Mbanza Mwembe, 24.4.69.

Vine growing in grass in forest and savanna. Found in full sunlight.

Use: To treat sores on skin.

141. Mumpala - Mbaki *CROSSOPTERYX FEBRIFUGA* (AFZ. ex G. DON) BENTH. (Rubiaceae)

Mbemba, Mbanza Mwembe, 30.5.69.

Common tree in savanna. Grows to 6 m. with brown flowers.

Use: Bark used to treat asthma and roots used to treat edema.

142. Nkizu *SYZYGIVM GUINEENSE* (WILLD.) DC. (Myrtaceae)

Semba, Mbanza Mwembe, 10.5.69.

Common bush in savanna. Grows height 2 - 6 m. with green flowers in May.

Use: Roots used with other plants to treat edema.

143. Votila (votolo) *PSOROSPERMUM FEBRIFUGUM* SPACH.
(Guttiferae)

Bemba, Mbanza Mwembe, 10.5.69.

Common shrub in savanna. Grows height 2 - 3 m. with red flowers and red fruits in May.

Use : Roots used to treat edema in mixture with other plants.

144. Luvete *HYMENOCARDIA ACIDA* TUL. (Euphorbiaceae)

Bemba, Mbanza Mwembe, 10.5.69.

Common shrub in savanna. Grows height 3 - 6 m. with yellow flowers and green fruits in May.

Use : Roots used to treat edema in mixture with other plants.

145. Bole *ALBIZIA* sp. (Mimosaceae)

Kibunzi, Mbanza Mwembe, 10.5.69.

Common tree in forest. Grows height 10 m.

Use: Bark is used as enema to treat intestinal worms. Wood used in construction.

146. Nkanga - ngoya *CISSAMPELOS OWARIENSIS* P. BEAUV.
ex DC. (Menispermaceae)

Kibunzi, Mbanza Mwembe, 10.5.69.

Common vine growing along ground in the forest. White flowers and red fruits in May.

Use : Roots eaten as treatment for hernia.