

Fungi collected in the Republic of Guinea

III. Collections from the Kindia area in 1963/64, and Host Index.

By Jürgen Kranz *)

Institut de Recherches Fruitières, Kindia, Rep. de Guinée

New species found at or around the Institut de Recherches Fruitières (IRF), Kindia, from January 1963 to May 1964, are listed here, as well as new hosts of species already recorded. In the latter case a I or II refers to the first or second list of this series (2, 3). A host index to all three lists (I, II, III) is included.

Taking into account studies by Chevaugéon and Merny (1), Roger (4) and Viennot-Bourgin (5), and some scattered records, the total number of fungi hitherto reported from Guinea has been increased to about 440 by 294 taxa in our lists. This figure includes a number of taxa given by their generic names only. Some of them may still await description as new species.

I acknowledge with pleasure the invaluable help I had from the Director and staff of the Commonwealth Mycological Institute, Kew, in the identification of fungi and host plants.

1. *Accidium justitiae* P. Henn. — On leaves of *Phayloopsis falsisepala* (*Acanthaceae*). IRF Kindia, 14. February 1962; common (IMI 102227); I 3 — On leaves of *Justicia* sp. (*Acanthaceae*). IRF Kindia, very common; I 3.

Acremoniula sarcinellae (Pat. & Har.) Arn. ex Deighton — On *Clypeolella? salaciae* (No. 52) as a hyperparasite (IMI 105010b).

3. *Alternaria brassicicola* (Schw.) Wiltshire — Causing leaf spots on *Brassica oleracea* var. *capitata* and other cultivated *Brassica* spp. (*Cruciferae*). IRF Kindia, 9 December 1963; severe on the various species grown from imported seeds (IMI 105013).

4. *Alternaria* sp. — On leaf spots of *Zea mays* (*Gramineae*). IRF Kindia, 17 July 1963; a species with only a very few dictyospores (IMI 102267a).

5. *Amerosporium* sp. — On dead leaves and inflorescences of *Hyparrhenia rufa* (*Gramineae*). IRF Kindia, 15 March 1964 (IMI 106560b).

6. *Aschochyta? ricinella* Sacc. & Scalia. — In leaf spots of *Ricinus communis* (*Euphorbiaceae*). IRF Kindia, January 1963; two isolated shrubs were severely affected (IMI 102235a).

*) Now: Tropeninstitut der Universität Gießen, Abt. Phytopathologie und Angew. Entomologie, Schottstr. 2-4, 63 Gießen

7. *A. socia* Pass. — On leaves of *Lycopersicum esculentum* (*Solanaceae*). IRF Kindia, 28 February 1964; associated with a severe and apparently common leaf spot (IMI 105027).

8. *Asteridiella cyclopoda* (Stev.) Hansf. — On leaves of *Aspilia helianthoides* (*Compositae*). IRF Kindia, 18 October 1963; common at one place (IMI 103942).

9. *A. hansfordii* (Stev.) Hansf. var. *densa* (Hansf. & Deighton) Hansf. — On leaves of *Alchornea cordifolia* (*Euphorbiaceae*). IRF Kindia, 30 October 1963; quite common but mostly slight (IMI 103952a).

10. *Asterina alchorneae* Syd. — On leaves of *Alchornea cordifolia* (*Euphorbiaceae*). IRF Kindia, 30 October 1963, found together with No. 9 (IMI 103952b).

11. *A. combreti* Syd. — Conidial on leaves of *Combretum ghase-lense* (*Combretaceae*). IRF Kindia, 1 January 1964; rare (IMI 105025).

12. *A. deviata* Syd. — On leaves of *Smaethmannia laevigata* (*Flacourtiaceae*). IRF Kindia, 15 March 1964; slight (IMI 106557a).

13. *Botryodiplodia theobromae* Pat. — On decaying pseudostems of *Musa* sp. (*Musaceae*). IRF Kindia, 22 July 1963; I 10, II 10 — On husks of cobs of *Zea mays* (*Gramineae*). IRF Kindia, 22 August 1963; on a few mature husks only (IMI 103910).

14. *Botryosphaeria ribis* (Gros.) Dugg. — Conidial on leaves of? *Caryota urens* (*Palmae*). IRF Kindia, 2 April 1964; associated with a leaf spot (IMI 106560a).

15. *Brencklea* sp. — On leaves of *Androgopon tectorum* (*Grami-neae*). IRF Kindia, 5 September 1963; seems to cause a severe leaf rot, found at one shady roadside only (IMI 103919).

16. *Cercospora abelmoschii* Ell. & Ev. — On leaves of *Hibiscus esculentus* (*Malvaceae*). IRF Kindia, 12 September 1963; slight, I 12.

17. *C. abromae* Hansf. — In leaf spots of *Abroma angusta* (*Stercu-lariaceae*). IRF Kindia, 25 September 1963; a few plants affected (IMI 103931).

18. *C. bradburyae* Young. — On leaves of *Centrosema? pubescens* (*Papilionaceae*). IRF Kindia, 22 September 1963; a common and sometimes severe leaf spot (IMI 103927).

19. *C. canescens* Ell. & Mart. — On decaying leaves of *Calopo-gonium mucunoides* (*Papilionaceae*). IRF Kindia, February 1963; this kind of decay of senescent leaves is very common (IMI 102236); I 16.

20. *C. caribaea* Ciferri. — On leaves of *Manihot utilissima* (*Euphorbiaceae*). IRF Kindia, 12 July 1963; the small gray leaf spot is common but always slight (IMI 102269b); I 17.

22. *C. citrullina* Cooke. — On leaves of *Cucumis melo* (*Cucurbi-IRF* Kindia, from November onwards; a severe leaf spot at this site (IMI 98557). — On leaves of *Ficus* sp. (*Moraceae*). Sérédou, February 1962 (IMI 93220 & 95672).

22. *C. citrullina* Cooke. — On leaves of *Cucumis melo* (*Cucurbitaceae*). IRF Kindia, 25 September 1963 (IMI 103930); II 16.

23. *C. cotizensis* Muller & Chupp. — On leaves of *Crotalaria striata* (*Papilionaceae*). IRF Kindia, 14 September 1963; indistinct brownish spots on the upper side, common (IMI 103922).

24. *C. digitariae* Kranz. — On leaves of *Digitaria longiflora* (*Gramineae*). IRF Kindia, Juli 1962; a common leaf spot (IMI 95634).

25. *C. elaeidis* Stey. — On leaves of *Elaeis guineensis* (*Palmae*). IRF Kindia, April 1963; appears to be common (IMI 102253).

26. *C. elephantopodis* Ell. & Ev. — On leaves of *Elephantopus mollis* (*Compositae*). IRF Kindia, 6 April 1964; this leaf spot was common in 1964 (IMI 106564)

27. *C. erythrinae* Ell. & Ev. — On leaves of *Erythrina senegalensis* (*Papilionaceae*). IRF Kindia, 1 and 10 January 1964; a common leaf spot (IMI 105004 and 105019a).

28. *C. fusimaculans* Atk. — In leaf spots of *Pennisetum polystachyon* (*Gramineae*). IRF Kindia, 27 September 1963; severe at places (IMI 103936); II 17.

29. *C. gracilentia* Syd. — In leaf spots of *Dissotis elliotii* (*Melastomataceae*). IRF Kindia, 5 September 1962 (IMI 98539). — In leaf spots of *Dissotis erecta* (*Melastomataceae*). IRF Kindia, September 1962 (IMI 98551). — In leaf spots of *Dissotis paucistellata* (*Melastomataceae*). IRF Kindia, 4 August 1962 (IMI 95667).

30. *C. guineensis* Kranz. — On leaves of *Melochia melissifolia* var. *microphylla* (*Sterculiaceae*). IRF Kindia, 4 July 1962; a common leaf spot (IMI 98533).

31. *C. henningsii* Allesch. — On leaves of *Manihot utilissima* (*Euphorbiaceae*). IRF Kindia, 12 July 1963; a common leaf spot, severe at places, nearly all the year (IMI 102269a); I 21.

32. *C. ipomoeae* Wint. — On leaves of *Ipomoea kentrocarpa* (*Convolvulaceae*). IRF Kindia, December 1962; common circular brown leaf spot (IMI 102229).

33. *C. justiciicola* Tai. — On leaves of *Justicia flava* (*Acanthaceae*). Foulaya nr. Kindia, 11 November 1963; a circular leaf spot, severe at this place (IMI 104995); II 18.

34. *C. pinnulicola* Atk. — On leaves of *Cassia torra* (*Caesalpinaceae*). IRF Kindia, 16 July 1963; common (IMI 103915a).

35. *C. pulviniformis* Kranz. — On leaves of *Erythrina senegalensis* (*Papilionaceae*). IRF Kindia, 10 January 1964; slight, together with *C. erythrinae*, but not causing leaf spots (IMI 105019c).

36. *C. rottboelliae* Kranz. — On leaves of *Rottboellia exaltata* (*Gramineae*). IRF Kindia, August 1963; at places severe on young leaves (IMI 102274).

37. *C. sesami* Zimm. — In leaf spots of *Sesamum radiatum* (*Pedaliaceae*). Foulaya near Kindia, 10 July 1963; severe on a single plant (IMI 102261); II 21.

38. *C. zinniae* Ell. & Mart. — In leaf spots of *Zinnia* sp. (*Compositae*). Koliagbé nr. Kindia, 20 October 1963; severe (IMI 103941).

39. *Cercospora* sp. — On leaves of *Parkia biglobosa* (*Mimosaceae*). IRF Kindia, 22 December 1963; slight (IMI 106553). — On leaves of *Scoparia dulcis* (*Scrophulariaceae*). IRF Kindia, 3 March 1964; severe at one place, not seen elsewhere; the fungus is morphologically similar to *C. apii* (IMI 105026). — On leaves of *Sporobolus pyramidalis* (*Gramineae*). IRF Kindia, 19 July 1963; the minute gray and circular leaf spots are common and often destructive (IMI 102272).

40. *Cercoseptoria balsaminae* Syd. — On leaves of *Impatiens irvingii* (*Balsaminaceae*). IRF Kindia, 22 May 1964; a common circular leaf spot (IMI 106576).

41. *Cicinnobella* sp. — On *Clypeolella ricini* (No. 51), as a hyperparasite (IMI 106551b).

42. *Cicinnobolus cesatii* de Bary. — On *Oidium* sp. of *Cucumis melo* (*Cucurbitaceae*). IRF Kindia, 25 September 1963 (IMI 103929a).

43. *Chaetomium erectum* Skolko & Gr. — On dead leaves of *Bauhinia* sp. (*Caesalpinaceae*). IRF Kindia, 10 January 1964; common (IMI 106554).

44. *Chevalieropsis ctenotricha* (Pat. & Har.) Arn. — On leaves of *Daniellia oliveri* (*Caesalpinaceae*). IRF Kindia, 10 January 1964; common (IMI 105016a).

45. *Choanephora infundibulifera* (Currey) Sacc. — On flowers of *Hibiscus rosa-sinensis* (*Malvaceae*). — IRF Kindia, 15 November 1963; common in the rainy season (IMI 106549).

46. *Cladosporium cladosporioides* (Fresen.) De Fries. — On dead leaves of *Zea mays* (*Gramineae*). IRF Kindia, 12 July 1963 (IMI 102267c).

47. *C. musae* Mason. — On leaves of cult. *Musa* spp. (*Musaceae*). IRF Kindia, 15 March 1964; on leaf streaks similar to „Fausse mosaïque“ (IMI 106562).

48. *C. sphaerospermum* Penzig. — On flowers of *Anacardium occidentale* (*Anacardiaceae*). IRF Kindia, 15 March 1964; a very

common sooty mold on this crop (IMI 106555). — On leaves of *Ananas comosa* (*Bromeliaceae*). IRF Kindia, 25 April 1964; a very common sooty mold in the Kindia area associated with a wide-spread tip rot of lower leaves (IMI 106573). See also *Phytopath. Z.* LII, 202—203, 1965. — On necrotic parts of leaves of *Musa* sp. (*Musaceae*). IRF Kindia, January 1963; saprophytic on leaf tissue killed by oil sprays (IMI 102233).

49. *Cladosporium* sp. — In gray circular leaf spots of *Indigofera* sp. (*Papilionaceae*). IRF Kindia, 24 April 1963 (IMI 102249). — On leaves of *Leptoderris* sp. (*Papilionaceae*). IRF Kindia, 25 February 1964 (IMI 105028d). — On the spikes of *Oryza sativa* (*Gramineae*). IRF Kindia, 15 March 1964 (IMI 106561c).

50. *Clypeolella anisophyllae* Syd. — On leaves of *Anisophylla laurina* (*Rhizophoraceae*). IRF Kindia, 18 November 1963; very rare (IMI 105001).

51. *C. ricini* Rac. — On leaves of *Ricinus communis* (*Euphorbiaceae*). IRF Kindia, 9 December 1963; on a single shrub (IMI 106551a).

52. *C. ?salaciae* Hansf. — On leaves of ?*Salacia* sp. (*Hippocrateaceae*). IRF Kindia, 3 Dezember 1963; common and severe (IMI 105010a).

53. *Cochliobolus heterostrophus* (Drechs.) Drechsler. — Conidial on leaves of *Cynodon dactylon* (*Gramineae*). IRF Kindia, May 1963; common on this grass (IMI 102246c); II 31.

54. *Colletotrichum capsici* (Syd.) Butl. & Bisby. — On dead stems of *Solanum melongena* (*Solanaceae*). IRF Kindia, May 1963; (IMI 102243); II 33.

55. *C. graminicola* (Ces.) Wils. — On living and dead leaves and stems of *Andropogon hirtus* (*Gramineae*). Foulaya nr. Kindia, 11 November 1963; very common (IMI 106542). — On leaves of ?*Axonopus africanus* (*Gramineae*). Damakanya nr. Kindia, 12 September 1963 (IMI 106535a). — On leaves, leaf sheaths and stems of *Digitaria* sp. (*Gramineae*). Kindia, 25 August 1963 (IMI 103916). — On dead leaves and inflorescences of *Hyparrhenia rufa* (*Gramineae*). IRF Kindia, 15 March 1964; Common at this time of the year (IMI 106560a). — On dead stems of *Oplismenus compositus* (*Gramineae*). IRF Kindia, 3 November 1963 (IMI 10638b); II 34. — On leaves of *Sorghum vulgare* (*Gramineae*). IRF Kindia, 5 November 1963; this disease is widespread and often severe (IMI 103948).

56. *C. pancrati* Hasija. — On leaves of *Pancratium trianthum* (*Amaryllidaceae*). IRF Kindia, 1 October 1963; causes a leaf rot (IMI 103935).

57. *Colletotrichum* sp. — On dead leaves of *Azelia africana* (*Caesalpiniaceae*). IRF Kindia, 10 January 1964 (IMI 105020a).

58. *Coniothyrium* sp. On living and dead leaves of *Hyparrhenia rufa* (*Gramineae*). IRF Kindia, from October onwards; associated with leaf spots (IMI 106546 and 106560c); II 36.

59. *Corticium solani* (Prill. & Delacr.) B. & C. — On leaves of *Calopogonium mucunoides* (*Papilionaceae*). IRF Kindia, 8 August 1963; causes light brown, irregular leaf spots (IMI 102282); II 37.

60. *Corynesporium cassicola* (Berk. & Curt.) Wei. — On leaves of *Carica papaya* (*Caricaceae*). IRF Kindia, 23 September 1963; whitish-grey leaf spots, rare (IMI 106536); I 28, II 38.

61. *Curvularia eragrostidis* (P. Henn.) Meyer. — Causing leaf spots on *Ananas comosa* (*Bromeliaceae*). IRF Kindia and at other places nearby; common from January onwards (IMI 105037). See also *Phytopath. Z.* VII, 202—203, 1965. On inflorescences of *Zea mays* (*Gramineae*). IRF Kindia, 22 August 1963 (IMI 103911a).

52. *C. geniculata* (Tracy & Earle) Boedijn. — On leaves of *Zea mays* (*Gramineae*). IRF Kindia, 7 August 1963 (IMI 102280b); II 39.

63. *C. lunata* (Wakker) Boedijn. — On leaves of *Pennisetum subangustum* (*Gramineae*). IRF Kindia, 12 September 1963, obviously causing a circular leaf spot (IMI 103920); II 40.

64. *Deightonella torulosa* (Syd.) M. B. Ellis. — Isolated from fruit speckles of *Musa* sp. (*Musaceae*). IRF Kindia, March 1963; common on several varieties, nearly all the year (IMI 102237).

65. *Didymosphaeria* sp. — On leaves of *Aspilia helianthoides* (*Compositae*). IRF Kindia, 6 November 1963 (IMI 104991).

66. *Dimeriella* sp. — On leaves of *Andropogon hirtus* (*Gramineae*). Foulaya nr. Kindia, 11 November 1963; common (IMI 106541)

67. *Diplodia macrospora* Earle. — On leaves of *Zea mays* (*Gramineae*). IRF Kindia, 22 August 1963; causes leaf spots on varieties of Chinese origin, similar to those due to *Helminthosporium* spp.; rare (IMI 103914).

68. *Domingoella deightonii* Hansf. — On leaves of *Solanum melongena* (*Solanaceae*). IRF Kindia, 20 December 1963; overgrowing No. 137 (IMI 105015b).

69. *Endothenella deightonii* Syd. — On leaves of *Albizia sassa* (*Mimioaceae*). IRF Kindia, December 1962; apparently common (IMI 102228); I 29.

70. *Epicoccum nigrum* Link = *E. pururescens* Ehrenb. ex Schlecht. On spikes of *Oryza sativa* (*Gramineae*). IRF Kindia, 15 March 1964 (IMI 106561b).

71. *Eriomyopsis schiffnerulae* Hansf. — On leaves of *Solanum melongena* (*Solanaceae*). IRF Kindia, 20 December 1963; overgrowing No. 137 (IMI 105015c).

72. *Fusarium semitectum* Berk. & Rav. — On leaves of *Zea mays* (*Gramineae*). IRF Kindia, 7 August 1963 (IMI 102280a).

73. *Geastruma* sp. — On leaves of an unidentified *Caesalpinia-ceae* (?*Dallium* sp.). On the banks of the river Konkouré, near the bridge connecting Kindia and Telimelé, 20 April 1964; common at this site (IMI 106570).

74. *Glomerella cingulata* (Stonem.) Spauld. & Schrenk. — Conidial in leaf spots of *Allamanda cathartica* (*Apocynaceae*). IRF Kindia, 20 September 1963; rare gray leaf spots (IMI 103938). — Conidial in leaf spots of *Citrus grandis* (*Rutaceae*). Kindia, 7 July 1963; brownish leaf spots, severe (IMI 102256). — Isolated from fruits of *Musa* sp. (*Musaceae*). IRF Kindia, July 1963; the symptom, "latent" anthracnosis or "bananes tigres", is very common, particularly towards the end of the rainy season, and usually ascribed to *Gloeosporium musarum* (IMI 102240). — Conidial in gray leaf spots of *Newbouldia laevis* (*Bignoniaceae*). Foulaya near Kindia, 10 July 1963; rare (IMI 102262); I 32, II 55.

75. *Gyrothrix circinata* (Berk. & Curt.) Hughes. — On leaves of *Daniellia oliveri* (*Caesalpinia-ceae*). IRF Kindia, 10 January 1964 (IMI 105016b).

76. *Helmithosporium mediocre* Putterill. — On leaves of *Pennisetum typhoides* (*Gramineae*). IRF Kindia, 5 December 1963 (IMI 106550).

77. *H. panici* van Overeem. — On leaves of *Isachne kiyalaensis* (*Gramineae*). Foulaya nr. Kindia, 10 May 1963; causing severe leaf spot (IMI 102248). This the same host as in II, 59.

78. *Lembosia lophirae* Syd. — On dead leaves of *Lophira alata* (*Ochnaceae*). IRF Kindia, February 1963 (IMI 102242a).

79. *Leptosphaeria michotii* (West.) Sacc. — On leaves and stems of dead ?*Axonopus africanus* (*Gramineae*). Damakanya nr. Kindia, 12 September 1963; rare (IMI 106535b).

80. *Leveillula taurica* (Lév.) Arn. — Conidial on leaves of *Solanum melongena* (*Solanaceae*). IRF Kindia, 8 August 1963, common (IMI 102281); I 40, II 67.

81. *Marasmiellus* sp. — On leaves of *Zea mays* (*Gramineae*). IRF Kindia, 7 August 1963; on whitish leaf spots; rare (IMI 102279).

82. *Marasmius cymatelloides* Dennis & Reid. — On leaves of *Leptoderris* sp. (*Papilionaceae*). IRF Kindia, 25 February 1964; rare (IMI 105028a). — On another, unidentified host (IMI 105032).

83. *Meliola aethiops* Sacc. — On leaves of *Cassia sieberiana* (*Caesalpinia-ceae*). IRF Kindia, 3 November 1963; seen at one place only (IMI 103945).

84. *M. albizziae* Hansf. & Deighton. — On leaves of *Albizzia zygia* (*Mimosaceae*). IRF Kindia, 18 November 1963; common at this site (IMI 104999).

85. *M. bicornis* Wint. — On leaves of *Erythrina senegalesnis* (*Papilionaceae*). IRF Kindia, 10 January 1964; slight (IMI 105019b). — On leaves of *Gliricidia sepium* (*Papilionaceae*). IRF Kindia, 10 January 1964; slight (IMI 104018a). — On leaves of *Indigofera elliptica* (*Papilionaceae*). IRF Kindia, 20 February 1964 (IMI 105033a); II 70

86. *M. cookeana* Speg. — On leaves of *Vitex* sp. (*Verbenaceae*). IRF Kindia, 25 February 1964; very rare (IMI 105029).

87. *M. danielliae* Hansf. & Deighton. — On leaves of *Daniellia oliveri* (*Caesalpiniaceae*). IRF Kindia, 10 January 1964; common (IMI 105017a).

88. *M. erythrophloeii* Hansf. & Deighton. — On leaves of *Erythrophleum guineense* (*Caesalpiniaceae*). IRF Kindia, 11 November 1963; common throughout the region and often severe (IMI 104992).

89. *M. hymenocardiae* Hansf. & Deighton. — On leaves of *Hymenocardia acuta* (*Caesalpiniaceae*). IRF Kindia, 3 November 1963 (IMI 104988).

90. *M. newbouldiae* Hansf. & Deighton. — On leaves of *Newbouldiana laevis* (*Bignoniaceae*). Damakanya nr. Kindia, 11 November 1963; a single tree severely infested (IMI 104993).

91. *M. pterocarpicola* Hansf. & Deighton. — On leaves of *Pterocarpus santalinoides* (*Papilionaceae*). IRF Kindia, 28 November 1963; severe on one tree (IMI 105012a).

92. *M. simillima* Ell. & Ev. — On leaves of *Holarrhena africana* (*Asclepiadaceae*). IRF Kindia, 25 December 1963 (IMI 105024).

93. *Meliola* sp. — On leaves of *Kotschyia ochreatea* var. *ochreatea* = *Smithia ochreatea* (*Papilionaceae*). IRF Kindia, 20 September 1963; a single shrub affected (IMI 103937).

94. *Microthyriella rufula* (B. & C.) Theiss. & Syd. — On leaves of *Smaethmannia laevigata* (*Flacourtiaceae*). IRF Kindia, 15 March 1964 (IMI 106557b).

95. *Mycosphaerella berkeleyi* W. A. Jenkins. — Conidial on leaves of *Arachis hypogaea* (*Papilionaceae*). Foulaya nr. Kindia, 10 July 1963; widespread and severe (IMI 102263).

96. *Mycosphaerella* sp. — On leaves of *Cassia alata* (*Caesalpiniaceae*). IRF Kindia, 15 March 1964; a severe leaf spot (IMI 106556). — On fruit spots of *Citrus aurantium* (*Rutaceae*). IRF Kindia, January 1962 (IMI 93211). — On leaves of *Panicum* sp. (*Gramineae*). IRF Kindia, 19 September 1964; associated with a rare zonate leaf spot (IMI 106533). — On leaves of *Ricinus communis* (*Euphorbiaceae*). IRF Kindia, January 1963; in the same leaf spots as No. 6 (IMI 102235b). — On leaves of *Vitex cinkowskii* (*Verbenaceae*). IRF Kindia, 18 August 1963; severe on a single shrub (IMI 103918).

97. *Nigrospora sphaerica* (Sacc.) Mason. — Isolated from fruits of *Musa* sp. (*Musaceae*). IRF Kindia, July 1963; symptom somewhat similar to that of No. 64, but rather prominent brown spots (IMI 102239); II 82.

98. *Oidium* sp. — The conidial stage of *Erysiphaceae* has been found on the following hosts: *Borreria verticillata* (*Rubiaceae*), 4 March 1964; *Crotolaria retusa* (*Papilionaceae*), 24 April 1963; *Cucumis melo* (*Cucurbitaceae*), 25 September 1963 (IMI 103929); *Persea gratissima* (*Lauraceae*), common and sometimes severe, throughout the year; *Phayloopsis imbricata* (*Acanthaceae*), 4 January 1963 (IMI 102230); *Spilanthes acmella* (*Compositae*), January 1963 (IMI 102234), also on 26 September 1963; this mildew is common on the latter host. II 83.

99. *Parodiopsis lophirae* Deighton. — On leaves of *Lophira alata* (*Ochnaceae*). IRF Kindia, 20 November 1963; severe on a single tree (IMI 106548a).

100. *Periconia lateralis* Ell. & Ev. — On leaves of *Dactyloctenyon* (*Gramineae*). IRF Kindia, May 1963 (IMI 102246a).

101. *Periconiella* sp. — On leaves of *Smeathmannia laevigata* (*Flacourtiaceae*). IRF Kindia, 15 March 1964 (IMI 106557c).

102. *Plasmopara oplismeni* Viennot-Bourgin. — On leaves of *Oplismenus compositus* (*Gramineae*). IRF Kindia, 3 November 1963; yellow streaks turning into a rapid leaf rot (IMI 103944).

103. *Pestalotiopsis cruenta* (Syd.) Stey. — On dead leaves of *Azelia africana* (*Caesalpinaceae*). IRF Kindia, 10 January 1964 (IMI 105020b).

104. *Phaeoseptoria* sp. — On leaves of *Zea mays* (*Gramineae*). IRF Kindia, 7 August 1963 (IMI 102280e).

105. *Phoma* sp. — On leaves of *Hibiscus rosa-sinensis* (*Malvaceae*). IRF Kindia, February 1962; severe on the youngest leaves of a single shrub (IMI 93229). — On glumes of *Oryza sativa* (*Gramineae*). IRF Kindia, August 1962 (IMI 98550b). — On leaves of *Tectona grandis* (*Labiatae*). Koliagbé near Kindia, 20 October 1963; in leaf spots (IMI 103943). — On leaves of *Zea mays* (*Gramineae*). IRF Kindia, August 1963 (IMI 102267b & 102280d).

106. *Phomopsis* sp. — On leaves of *Albizia sassa* (*Mimosaceae*). IRF Kindia, 18 November 1963; in light brown, well defined leaf spots, rare (IMI 104998). — Associated with a fruit rot of *Anacardium occidentale* (*Anacardiaceae*). IRF Kindia, 15 March 1962; rare, inoculations failed (IMI 93225). — On leaves of *Andropogon tectorum* (*Gramineae*). IRF Kindia, 27 July 1963; light zonate leaf spots (IMI 103908). — On leaves of *Anisophyllea laurina* (*Rhizophoraceae*). Foulaya nr. Kindia, 11 November 1963; associated with brown irregular leaf spots, rare (IMI 104996). — On dead stems of *Dichrostachys glomerata* (*Mimosaceae*). IRF Kindia, 3 September 1963

(IMI 103924). — On leaves of young *Elaeis guineensis* (*Palmae*). IRF Kindia, 10 March 1962 (IMI 93219c). — On leaves of *Leptoderris* sp. (*Papilionaceae*). IRF Kindia, 25 February 1964 (IMI 105038d). — On leaves of unidentified shrub. Damakanya, 10 July 1963; severe on one shrub (IMI 102270).

107. *Phyllachora carpodini* Hughes. — On leaves of *Carpodinus dulcis* (*Apocynaceae*). IRF Kindia, 3 September; common (IMI 103925).

108. *P. cyperina* P. Henn. — On leaves of *Cyperus* sp. (*Cyperaceae*). IRF Kindia, 15 July 1963; severe at places (IMI 102259).

109. *Ph. fallax* Sacc. — On leaves of *Andropogon tectorum* (*Gramineae*). IRF Kindia, 20 November 1963 (IMI 105005).

110. *P. leonensis* Syd. — On leaves of *Parkia biglobosa* (*Mimosaceae*). IRF Kindia, 6 June 1963; (IMI 102245).

111. *P. penniseti* Syd. — On leaves of *Pennisetum purpureum* (*Gramineae*). IRF Kindia, 24 April 1963; a severe attack (IMI 102254); I 59.

112. *P. pterocarpi* Syd. — On leaves of *Pterocarpus erinaceus* (*Papilionaceae*). IRF Kindia, 30 April 1964; a moderate attack (IMI 106574b).

113. *P. schizachyrii* Doidge. — On leaves of *Schizachyrium platyfolium* (*Gramineae*). IRF Kindia, 29 September 1963; severe along an irrigation canal (IMI 103939).

114. *Phyllachora* sp. — On leaves of *Paspalum conjugatum* (*Gramineae*). IRF Kindia, 5 June 1963; rare (IMI 102244).

115. *Phyllosticta batatas* (Thüm.) Cooke. — On leaves of *Ipomoea batatas* (*Convolvulaceae*). Damakanya nr. Kindia, 11 November 1963; a common leaf spot throughout the region (IMI 106540); I 62

116. *Phyllostictina banosensis* Petr. — On leaves of ?*Caryota urens* (*Palmae*). IRF Kindia, 2 April 1964; associated with a leaf spot (IMI 106560b).

117. *Phyllostictina* sp. — On leaves of *Indigofera* sp. (*Papilionaceae*). IRF Kindia, 25 April 1964; associated with a circular leaf spot, severe on a single shrub (IMI 106571).

118. *Pithomyces chartarum* (Berk. & Curt.) M. B. Ellis. — On dead inflorescences of *Zea mays* (*Gramineae*). IRF Kindia, 22 August 1963 (IMI 103911b); II 91.

119. *P. maydicus* (Sacc.) M. B. Ellis. — On leaves of *Oryza sativa* (*Gramineae*). IRF Kindia, 5 October 1963 (IMI 103940b).

120. *Plasmopara calaminthae* Ou. — On leaves of an unidentified host. IRF Kindia, 18 November 1963; a single plant affected (IMI 106563).

121. *Pseudoperonospora cubensis* (Berk. & Curt.) Rostowzew. — On leaves of *Cucumis sativus* (*Cucurbitaceae*). IRF Kindia, 21 August 1963; severe.

122. *Puccinia agrophila* Syd. — On leaves of *Andropogon tectorum* (*Gramineae*). IRF Kindia, 28 December 1963; rare (IMI 105022).

123. *P. andropogonicola* Har. & Pat. — On leaves of *Andropogon hirtus* (*Gramineae*). Foulaya and IRF Kindia from September onwards, common (IMI 98549 & 98566).

124. *P. cynodontis* Desm. — On leaves of *Cynodon dactylon* (*Gramineae*). IRF Kindia, May 1963; common (IMI 102246 b).

125. *P. cyperi-tagetiformis* (P. Henn.) Kern. — On leaves of *Cyperus* sp. (*Cyperaceae*). IRF Kindia, March 1963; common and severe IMI 102255); II 103.

126. *P. kraussiana* Cooke. — On leaves of *Smilax* sp. (*Smilacaceae*). IRF Kindia, 15 September; rare (IMI 103926).

127. *P. lateritia* Berk. & Curt. — On leaves of ?*Oldenlandia* sp. (*Rubiaceae*). IRF Kindia, 16 September; seen only once on this host, severe (IMI 103928); II 106.

128. *P. penicillariae* Speg. — On leaves of *Pennisetum pedicellatum* (*Gramineae*). IRF Kindia, 15 July 1963; severe (IMI 102260). — On leaves of *Pennisetum polystachyon* (*Gramineae*). IRF Kindia, 19 September 1963; common and severe (IMI 103932a). — On leaves of *Solanum melongena* (*Solanaceae*). IRF Kindia, 10 June 1963; aecidial stage (IMI 102252).

129. *P. rothboelliae* Syd. — On leaves of *Rottboellia exaltata* (*Gramineae*). IRF Kindia, 25 October 1963; severe (IMI 103949).

130. *P. versicolor* Diet. & Holw. — On leaves of *Andropogon gayanus* var. *squamulatus* (*Gramineae*). IRF Kindia, 14 March 1964; rare (IMI 105035); II 110.

131. *Pucciniosira dissotidis* Wakef. — On leaves of *Dissotis* sp. (*Melastomataceae*). IRF Kindia, 20 November 1963; very rare and slight (IMI 106544).

132. *P. mitragynes* (Diet.) Diet. & Syd. — On leaves of *Anthocheista nobilis* (*Loganiaceae*). Pastoria nr. Kindia, January 1963 (IMI 102232).

133. *Piricularia grisea* (Cooke) Sacc. — On leaves of *Digitaria adscendens* (*Gramineae*). IRF Kindia, 25 July 1963; in gray elliptic leaf spots which are common at this place (IMI 102277); II 111.

134. *P. oryzae* Cav. — On leaves of *Oryza sativa* (*Gramineae*). IRF Kindia, 18 July 1963; light brown leaf spots, common at this period and sometimes severe (IMI 102271).

135. *Ravenelia zygiae* Syd. — On leaves of *Albizzia zygia* (*Mimosaceae*). IRF Kindia, 25 October 1963; rare (IMI 103950)

136. *Sarcinella malinensis* (Sacc.) Kranz. — On pods of *Cassia torra* (*Caesalpinia*ceae). IRF Kindia, 5 November 1963; severe (IMI 103947).

137. *Schiffnerula solani* Hansf. — On leaves of *Solanum melongena* (*Solanaceae*). IRF Kindia, 20 December 1963; severe (IMI 105015a).

138. *Septoria? emiliae* Sawada. — On leaves of *Emilia guineensis* (*Compositae*). IRF Kindia, 15 July 1963; a single plant severely affected (IMI 102258).

139. *Septonema loranthi* (Hansf.) Hughes. — On *Lembosia lophirae* (No. 78) as a hyperparasite (IMI 102242b)

140. *Sorosporium ischaemoides* (P. Henn.) Zundel. — In inflorescences of *Elymandra subulata* (*Gramineae*). IRF Kindia, 30 October 1963 (IMI 103953).

141. *Spadicoides* sp. On dead leaves of *Azelia africana* (*Caesalpinia*ceae). IRF Kindia, 10 January 1964 (IMI 105020d).

142. *Sphacelotheca ophiuri* (P. Henn.) Ling. — In inflorescences of *Chasmopodium caudatum* (*Gramineae*). IRF Kindia, 11 March 1964; rare (IMI 105036).

143. *Stagonospora simplicior* Sacc. & Berl. — On leaves of *Imperata cylindrica* (*Gramineae*). IRF Kindia, 4 September 1963; associated with a common and sometimes severe irregular brown leaf spot (IMI 10634).

144. *Stenella* sp. — On leaves of *Dregea crinata* (*Asclepiadaceae*). IRF Kindia, 18 November 1963 (IMI 106547). — On leaves of *Pterocarpus santalinoideus* (*Caesalpinia*ceae). IRF Kindia, 7 December 1963; in zonate leaf spots (IMI 105007). — On leaves of unidentified hosts (IMI 104994 and 106575).

145. *Stigmia* sp. — On leaves of *Azelia africana* (*Caesalpinia*ceae). IRF Kindia, 10 January 1964; slight, morphologically similar to the following taxon (IMI 105020c). — On leaves of *Combretum ghaselense* (*Combretaceae*). IRF Kindia, 1 January 1964; a common and severe leaf spot, conducive to leaf fall (IMI 105023).

146. *Strasseria* sp. — On leaves of an unidentified *Caesalpinia*ceae (?*Dallium* sp.). On the banks of the river Konkouré, near the bridge connecting Kindia and Telimélé, 20 April 1964; associated with common leaf spots (IMI 106569 and 106569).

147. *Titaea ugandae* Hansf. — On *Clypeolella ?salciae* (No. 52) as a hyperparasite (IMI 105010c).

148. *Trichometaspaeria turcica* Luttrell. — Conidial in leaf spots of *Zea mays* (*Gramineae*). IRF Kindia, 22 August 1963; common and sometimes severe (IMI 103912).

149. *Trichothyrium asterophorum* (Berk. & Br.) Mohn. — On *Meliola danielliae* (No. 87) as a hyperparasite (IMI 105017b)

150. *Tryblidiella rufula* (Spreng.) Sacc. — On dead stems of *Dichrostachys glomerata* (Mimosaceae). IRF Kindia, 3 September 1963; (IMI 103923); I 83.

151. *Uredo cajani* Syd. — On leaves of *Cajanus indicus* (Papilionaceae). IRF Kindia, 15 July 1963; common (IMI 102257).

152. *U. tesoensis* Wakef. — On leaves and stems of *Kyllingia* sp. (Cyperaceae). IRF Kindia, 20 July 1963; severe at one place (IMI 102275).

153. *Uromyces clignyi* Pat. & Har. — On leaves of *Andropogon hirtus* (Gramineae). IRF Kindia, 11 November 1963; a common leaf spot (IMI 106543).

154. *U. leptodermus* Syd. — On leaves of *Brachiaria stigmati-sata* (Gramineae). IRF Kindia, 12 September 1963 (IMI 103921a); II 120.

155. *U. tenuicutis* McAlp. — On leaves of *Sporobolus pyrami-dalis* (Gramineae). Plantation Bepmale nr. Kindia, 14 March 1964; severe on some single plants (IMI 105038).

156. *Zygosporium masonii* Hughes. — On leaves of *Daniellia oliveri* (Caesalpinaceae). IRF Kindia 10 January 1964 (IMI 105016c).

Host Index

- | | |
|--|---|
| Abroma angusta: III 17 | Axonopus africanus: II 84, 98, III 55, 79 |
| Acroceras zizaroides: II 96 | |
| Adenia lobata: I 1, 14, 50 | |
| Afzelia africana: II 35, 51, 93, III 57, 103, 141, 145 | Bambusa vulgaris: I 7, II 122 |
| ?Afzelia sp.: I 51 | Bauhinia sp.: III 43 |
| Ageratum conyzoides: II 7 | Bidens pilosa: II 13 |
| Agave sp.: II 62 | Bidens sp.: I 15 |
| Albizzia sassa: I 8, 29, 67, III 69, 106 | Borreria verticillata: II 106, III 98 |
| — zygia: III 84, 135 | Borreria sp.: I 71, II 106 |
| Alchornea cordifolia: III 9, 10 | Brachiaria distichophylla: II 120 |
| Allamanda carthatica: III 74 | — stigmati-sata: III 154 |
| Alternanthera sessilis: II 57 | |
| Anacardium occidentale: III 48, 106 | Brassica spp.: III 3 |
| Ananas comosa: II 41, 118, III 48, 61 | Cajanus indicus: III 151 |
| Anchomanes difformis: I 18 | Calopogonium mucunoides: II 12, III 19, 59 |
| Andropogon gayanus var. squamula-tus: III 130 | Capsicum annuum: I 40, II 67 |
| — hirtus: III 55, 66, 123, 153 | Carica papaya: III 60 |
| — tectorum: II 110, III 15, 106, 109, 122 | Carpodinus dulcis: III 107 |
| Anisophyllea laurina: III 50, 106 | ?Caryota urens: III 14, 116 |
| Anthocleista nobilis: III 132 | Cassia alata: III 96 |
| Apium graveolens: I 6, 54 | — ?hirsuta: I 32 |
| Arachis hypogaea: I 45, III 95 | — sieberiana: III 83 |
| Aspilia helianthoides: III 8, 65 | — torra: III 34, 136 |
| Asystasia ? gangetica: II 18 | Centrosema ? pubescens: III 18 |
| | Chasmopodium caudatum: II 17, 48, 76, 78, III 142 |

- Cinchona* sp.: I 27
Citrullus vulgaris: II 16
Citrus aurantium var. *amara*: I 64, II 10, 38, 45, 55, 85
 — *grandis*: III 74
 — *nobilis*: I 76
 — *sinensis*: II 10, 87
 ?*Clausena* sp.: II 100
Clerodendron scandens: I 24, II 26, 61
Clerodendron sp.: I 36
Clypeolella ricini: III 41
 — ?*salaciae*: III 2, 147
Coffea arabica: I 19, 35
 — *canephora*: I 9, 19, 27, 30, 35, 37, 41, 83
Colocasia sp.: II 33, 35, 79,
Combretum ghaselense: III 11, 145
Combretum sp.: I 55
Commelina sp.: II 111
 — *benghalensis*: II 64
 — *nodiflora*: I 80
Conopharyngia ?longiflora: II 38, 54, 55, 77
 ?*Craiba* sp.: I 47
Crinum sanderianum: II 1, 39
Crotolaria retusa: II 6, 82, 100, 119, III 98
 — *striata*: III 23
Cucumis melo: III 22, 98
 — *sativus*: III 121
Cynodon daetylon: II 58, III 53, 100, 124
Cyperus rotundus: II 103
Cyperus spp.: III 108, 125
Cyphomandra betaecia: I 40

 ?*Dallium* sp.: III 73, 146
Daniellia oliveri: II 114, III 44, 75, 87, 156
Daucus carota: I 5, II 4
Dichrostachys glomerata: III 106, 150
 ?*Dieffenbachia* sp.: II 55
Digitaria adscendens: III 133
 — *longiflora*: II 107, III 24
 — *horizontalis*: II 36, 42, 47, 94
 — sp.: I 60, III 55
Dioscorea sp.: I 20, 63, II 14
 — *dumetorium*: II 99
 — *hirtiflora*: II 15
 — *praehensilis*: I 61
Dissotis sp.: III 131
 — *elliotii*: II 71, III 29
 — *erecta*: III 29
 — *paucistellata*: II 11, 71, III 29
Dregea crinata: III 144

Elaeis guineensis: I 38, II 31, III 25, 106
Elephantopus mollis: III 26
 — *scaber*: I 74
Eleusine indica: II 60
Elymandra subulata: III 140
Emilia sp.: I 2
 — *guineensis*: III 138
 — *sagittata*: II 2
Endodothella deightonii: I 49, III 69
Erigeron floribundus: II 27, 28
Eriosema glomeratum: II 75
Erythrina senegalensis: III 27, 85
Erythrophleum guineense: III 88
Euphorbia ?heterophylla: II 27, 55, 88
 — *hirta*: II 83, 86

Fagara sp.: II 72
Ficus sp.: III 21
 — *indica*: III 21

Gliricidia sepium: III 85

Hemileia vastatrix: I 11
Hevea brasiliensis: I 34
Hibiscus esculentus: I 12, III 16
 — *rosa-sinensis*: II 37, 55, III 45, 105
 — *sabdariffa*: II 3
Hippeastrum equestre: II 55
Holarrenhia africana: III 92
 ?*Hymenocardia acita*: III 89
Hyparrhenia rufa: III 5, 55, 58

Impatiens irvingii: III 40
Imperata cylindrica: II 92, 101, 104, III 143
Indigofera sp.: III 49, 117
 — *elliotii*: III 85
Ipomoea batatas: I 62, III 115
 — *involutata*: II 24
 — *kentrokarpa*: III 32
Isachne kiyalaensis: II 59, III 77

Jasminum grandiflorum: II 73
Jussiae sp.: II 112
Justicia sp.: I 3, 73, III 1
 — *flava*: III 33

Kotschyia ochreatea: III 93
Kyllingia sp.: III 152

Lembosia lophirae: III 139
 ?*Lepistemon* sp.: I 70
Leptoderris spp.: III 49, 82, 106
Lophira alata: III 78, 99
Lycopersicum esculentum: I 77, II 52, III 7

- Macrobolium* sp.: I 28
Mangifera indica: II 44, 53, 55, 68, 74, 89, 115, 117
Manihot utilisima: I 17, 21, III 20, 31
Mariscus umbellatus: II 29, 109
Marontochloa cuspidata: I 56
Meliola bicornis: II 8
 | *danielliae*: III 149
 — *dissotidis*: II 46
 — *voacangae* var. *conopharyngiae*: II 46
Melochia melissifolia var. *microphylla*: III 30
Milletia spp.: I 57, II 65, 70, 95
 — *porphyrocalix*: I 58
Mucuna pruriens: I 81, II 23, 121
Musa spp.: I 25, 31, 46, 75, II 69, 80, III 13, 47, 48, 64, 74, 97
 — *sinensis*: I 42, 65

Newbouldia laevis: III 74, 90
Nicotiana tabacum: I 22

Ocimum sp.: II 49
 — *basilicum*: II 27
Oidium sp.: III 42
 ? *Oldenlandia* sp.: III 127
Olyra latifolia: I 13
On soil: II 30
Oplismenus compositus: III 55, 102
Oryza sativa: I 82, II 32, 36, 81, 91, 116, III 49, 70, 105
Osbeckia tubulosa: I 33, II 56
Ostryoderris sp.: I 58

Pancaratium trianthum: III 56
Panicum sp.: III 96
Parkia biglobosa: III 39, 110
Paspalum conjugatum: II 22, III 114
Pennisetum sp.: II 34, 97
 — *pedicellatum*: III 128
 — *polystachyon*: III 28, 128
 — *purpureum*: I 59, III 111
 — *subangustum*: II 17, 97, 102, III 63
 — *typhoides*: III 76
Persea gratissima: II 20, 63, 113, II 98
Phaseolus vulgaris: I 16, 79
Phayloopsis falsisepala: III 1
 — *imbricata*: III 98
Phyllanthus discoideus: I 4
Physalis angulata: II 19
Piper nigrum: I 32
Plumeria alba: II 12, 43, 55
Psidium guajava: II 90

Pterocarpus erinaceus: III 112
 — *santalinoides*: III 91, 144
Puccinia spp.: II 50

Randia sp.: I 53
Rauwolfia vomitoria: I 26
Ricinus communis: III 6, 51, 96
Rottboellia exaltata: III 36, 129

Saccharum officinarum: I 39
 ? *Salacia* sp.: III 52
Sansevieria guineensis: II 62
Scoparia dulcis: III 39
Schyzachyrium ? *platyfolium*: III 113
Sesamum orientale: II 21
 — *radiatum*: III 37
Setaria sp.: I 43
 — *barbata*: II 9, 17
Sida carpinifolia: II 5, 105
 — *veronicifolia*: I 69
Smeathmannia laevigata: III 12, 94, 101
Smilax sp.: III 126
Solanum incana: I 40
 — *melongena*: I 9, 40, III 54, 68, 71, 80, 128, 137
Sorghum vulgare: III 55
Spigelia anthelmia: II 83
Spilanthus acmella: III 98
Sporobolus pyramidalis: II 40, 66, III 39, 155

Tagetes patula: II 7
Tectona grandis: III 105
Tephrosia vogelii: I 52
Terminalia ivoriensis: I 47
Theobromae cacao: I 10, 48
Tithonia diversifolia: I 23
Trichilia lanata: I 44, 66
Tridax procumbens: II 25

 Unidentified hosts: III 106, 120, 144

Vigna sp.: I 16
Vitex sp.: III 86
 — *cinkowskii*: III 96

 ? *Wissadula* sp.: I 68

Zea mays: I 72, 78, II 108, III 4, 13, 46, 61, 62, 67, 72, 81, 104, 105, 118, 148
Zinnia sp.: III 38

Literature cited.

1. Chevaugéon, J. and G. Merny, 1956: Maladies de arbres à quinquina en Guinée française. *J. Agric. Trop. et Bot. appl.* **3**, 605—626.
2. Kranz, J., 1964: Fungi collected in the Republic of Guinea. I. Collections from the rain forest. *Sydowia* **17**, 132—138
3. — 1964: Fungi collected in the Republic of Guinea. II. Collections from the Kindia area in 1962. *Sydowia* **17**, 174—185.
4. Roger, L., 1951—1954: *Phytopathologie des pays chauds*. Vol. I—III, Paris.
5. Viennot-Bourgin, G., 1959: Étude de micromycètes parasites recoltés en Guinée. *Annales de l'Inst. Nat. Agron.* **45**, pp. 91.

Errata in List II .

No. 11. *Hainesia* sp. and not *Catinula* sp.

Nos. 17, 48, 76 and 78: The host is *Chasmopodium caudatum* and not *Rottboellia exaltata*.

Nos. 17, 97 and 102: *Pennisetum subangustum* and not *P. subangustatum*.

ZOBODAT - www.zobodat.at

Zoologisch-Botanische Datenbank/Zoological-Botanical Database

Digitale Literatur/Digital Literature

Zeitschrift/Journal: [Sydowia](#)

Jahr/Year: 1965/1966

Band/Volume: [19](#)

Autor(en)/Author(s): Kranz Jürgen

Artikel/Article: [Fungi collected in the Republic of Guinea. 92-107](#)