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ACKNOWLEDGEMENT

Thanks are due to our colleagues at the Breeding Department, Taiwan Sugar Experiment Station, for their kind helpfulness throughout this work.

A REVISED LISTING OF SUGAR CANE DISEASES AND THEIR WORLD DISTRIBUTION

*The Standing Committee on Sugar Cane Diseases I.S.S.C.T. Tenth Congress-May 1959
Hawaii*

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Hawaii

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TABLE I

CANE-SUGAR PRODUCING COUNTRIES OF THE WORLD
WITH PAGE REFERENCE TO EACH COUNTRY IN PART II

Andaman Islands - 1121	Cameroons - 1119	Egypt - 1119
Angola - 1118	Ceylon - 1120	El Salvador - 1119
Antigua - 1123	Chile - 1120	Ethiopia - 1119
Argentina - 1120	China - 1120	
Australia - 1122	Colombia - 1120	Fiji - 1122
	Costa Rica - 1119	Formosa (Taiwan) - 1122
Barbados - 1123	Cuba - 1123	
Belgian Congo - 1118		Grenada - 1123
Borneo - 1122	Dominican Republic - 1123	Guadeloupe - 1123
Brazil - 1120	Dutch Guiana - 1120	Guam - 1122
British Guiana - 1120	(Surinam)	Guatemala - 1119
British Honduras - 1119		
Burma - 1120	Ecuador - 1120	Haiti - 1123

TABLE I (Continued)

CANE-SUGAR PRODUCING COUNTRIES OF THE WORLD
WITH PAGE REFERENCE TO EACH COUNTRY IN PART II

Hawaii - 1122	New Caledonia - 1122	Spain - 1121
Honduras - 1119	New Guinea - 1122	Somaliland - 1119
India - 1120	Nicaragua - 1119	St. Croix - 1123
Indochina (French) - 1121	Nyasaland - 1119	St. John - 1123
Italy - 1121	Okinawa - 1122	St. Kitts and Nevis - 1123
Jamaica - 1123	(Ryukyu)	St. Lucia - 1124
Japan - 1121	Pakistan - 1121	St. Thomas - 1124
Java - 1121	Panama - 1119	St. Vincent - 1124
Kenya - 1119	Paraguay - 1120	Sumatra - 1123
Madagascar - 1121	Peru - 1120	Tahiti - 1123
Madeira - 1121	Philippines - 1122	Taiwan (Formosa) - 1122
Malay States - 1121	Portugal - 1121	Tanganyika - 1119
Martinique - 1123	Puerto Rico - 1123	Trinidad and Tobago - 1124
Mauritius - 1121	Reunion - 1121	Turkey - 1121
Mexico - 1119	Samoa - 1123	Uganda - 1119
Montserrat - 1123	Siam (Thailand) - 1121	Union of South Africa - 1119
Mozambique - 1119	Sierra Leone - 1119	United States -
New Britain - 1122	Solomon Islands - 1123	Florida - 1119
	Southern Rhodesia - 1119	Louisiana - 1119
		Venezuela - 1120

PART I

A CHECK LIST OF THE SUGAR CANE DISEASES OF THE WORLD, THE CAUSE OF EACH,
AND THE COUNTRIES IN WHICH EACH DISEASE OCCURS

Disease	Cause	Country	Country	Country
Arrow rot (Pokkah boeng?)	<i>Fusarium</i> spp.	Australia	Mauritius	Union of South Africa
Bacterial mottle	<i>Erwinia</i> sp.	Australia		
Bacterial stem rot	<i>Erwinia sacchari</i> Roldan	Philippines		
Baker's leaf spot	<i>Bakerophoma sacchari</i> Died.	China	Philippines	
Banded chlorosis (cold, or sectional chlorosis)	Physiological (low or high temperatures)	Australia Brazil Cuba Ethiopia Hawaii	India Jamaica Japan Mexico Okinawa	Taiwan Union of South Africa United States
Banded sclerotial (leaf) disease	<i>Mycelia sterilia</i> (in Australia) <i>Hypochnus (Corticium)</i> <i>sasakii</i> Shirai (in India) <i>Rhizoctonia solani</i> Kuehn (in Siam)	Australia Fiji Java India Siam	Madagascar New Guinea Philippines United States	Okinawa Taiwan
Black leaf spot	<i>Phyllachora sacchari</i> P. Henn.	Argentina India	Java	Philippines

<i>Disease</i>	<i>Cause</i>	<i>Country</i>		
Black rot	<i>Ceratocystis adiposa</i> (Butler) C. Moreau	Australia (N.S.W.) Brazil	Dominican Republic India	Java Peru Taiwan United States
Black spot	<i>Cercospora acercsum</i> Dickhoff et Hein	Java	Philippines	
Black stripe	<i>Cercospora atrofiliiformis</i> Yen, Lo et Chi	Taiwan		
Brown spot	<i>Cercospora longipes</i> Butler	Argentina Brazil Colombia Cuba India Jamaica Java Madagascar	Mauritius Mexico Nicaragua Nyasaland Peru Philippines Puerto Rico Reunion	Southern Rhodesia Tanganyika Uganda Union of South Africa United States Venezuela
Brown stripe	<i>Cochliobolus stenopilus</i> (Drechs.) Matsumoto et Yamamoto <i>Helminthosporium</i> <i>stenopilum</i> Drechsler	Australia Brazil Cuba Dominican Republic Hawaii Fiji	India? Jamaica Japan Mozambique Panama Peru?	Puerto Rico Samoa Taiwan Union of South Africa United States
Bud proliferation (see malgrowths)				
Bunga (bulaklak)	<i>Aeginetia indica</i> L.	India Java	Philippines	Taiwan
Bunch top (see malgrowths)				
Cane-killing weed	<i>Striga</i> spp. <i>Thesium australe</i> R. Br.	Australia India Kenya Australia	Madagascar Mauritius Nyasaland	Reunion Union of South Africa
Chlorosis	Iron deficiency			
Limestone		Antigua Barbados Hawaii	Fiji Jamaica	Union of South Africa
Ratoon (Iron chlorosis)		Australia Fiji Hawaii	Jamaica Mauritius Peru	Union of South Africa
Chlorotic leaf blotch	Undetermined	Australia Guadeloupe	Guam Hawaii	Peru United States (Louisiana)
Chlorotic streak	Virus?	Australia Brazil British Guiana Colombia Cuba Dutch Guiana Fiji Grenada Guadeloupe	Hawaii Jamaica Java Madagascar Martinique Mauritius Puerto Rico Reunion St. Lucia	Samoa Taiwan Trinidad Turkey Union of South Africa United States (Louisiana)
Cluster stool (see malgrowths)				
Collar rot	<i>Hendersonia sacchari</i> Butler	Argentina India	Indochina Mauritius	Philippines
Culm & midrib rot	<i>Papularia vinosa</i> (Berk. et Curt.) Mason	Philippines		

<i>Disease</i>	<i>Cause</i>	<i>Country</i>	
Diplodia rot	<i>Diplodia</i> sp.	Puerto Rico	Union of South Africa
Downy mildew	<i>Sclerospora sacchari</i> Miy.	Australia Fiji India	Japan New Guinea Philippines?
Leaf splitting disease	<i>S. northii</i> Weston	Fiji	
	<i>S. miscanthi</i>	Philippines	Taiwan
Droopy top	Copper deficiency	Australia	United States (Florida)
Dry rot	<i>Physalospora rhodina</i> (Berk. et Curt.) Cke.	Barbados Brazil British Guiana Camerfoons Cuba Dominican Republic	India Indochina Jamaica Java Malay States Mexico Philippines
Dry top rot	<i>Plasmodiophora vascularum</i> Matz	Puerto Rico	Venezuela
Dwarf disease	Virus?	Australia	
Ergot	<i>Claviceps</i> sp.	Philippines?	
Eye spot	<i>Helminthosporium sacchari</i> (v. Breda de Haan) Butler	Andaman Islands Antigua Argentina Australia Barbados Belgian Congo Brazil British Guiana British Honduras Cameroons China Colombia Costa Rica Cuba Dominican Republic Dutch Guiana Egypt Fiji	Grenada Guadeloupe Haiti Hawaii Honduras India Indochina Italy Jamaica Japan Java Kenya Madagascar Madeira Malay States Martinique Mauritius Mexico Mozambique New Guinea Okinawa
Fiji disease	Virus	Australia	New Britain
		Fiji	New Caledonia
Fusarium sett or stem rot (wilt)	<i>Cephalosporium sacchari</i> Butler	Madagascar (East coast)	New Guinea
		Argentina Brazil Colombia Dominican Republic Guadeloupe	India Madagascar Mexico Peru Philippines Reunion
Gangrene	<i>Aspergillus, Penicillium</i> spp.	Union of South Africa	Southern Rhodesia Uganda Union of South Africa United States

* Not observed in recent years.

<i>Disease</i>	<i>Cause</i>	<i>Country</i>		
Gumming disease	<i>Xanthomonas vasculorum</i> (Cobb) Dows.	Antigua* Australia* Barbados* Brazil British Honduras* Colombia Dominican Republic	Fiji* Guadeloupe* Madagascar Madeira Martinique* Mauritius New Guinea?	Puerto Rico* Reunion St. Kitts and Nevis* St. Lucia* St. Vincent* Union of South Africa (Natal)
Iliau	<i>Gnomonia iliäu</i> Lyon	Australia Brazil*	Cuba* Hawaii*	Philippines?* United States
Inflorescence binding fungus	<i>Ephelis pallida</i> Pat.	Union of South Africa		
Internal stalk necrosis	Undetermined	Australia Hawaii	Mauritius Taiwan	United States (Louisiana)
Kalimati	Physiological (K deficiency)	Java		
Knife cut (see malgrowths)				
Leaf and sheath rot	<i>Marasmius plicatus</i> Wakker	Philippines		
Leaf blast	<i>Didymosphaeria taiwanensis</i> Yen et Chi	Taiwan		
Leaf blight	<i>Leptosphaeria taiwanensis</i> Yen et Chi	Okinawa	Taiwan	
Leaf buckle	Mechanical	Australia Brazil Fiji	Hawaii Mauritius Taiwan	Union of South Africa United States
Leaf burn	Physiological	Australia Ethiopia Fiji Guam	Hawaii Mauritius Philippines	Taiwan United States (Florida)
Leaf fleck	Undetermined	Australia Fiji Hawaii	Mauritius Taiwan	Union of South Africa
Leaf freckle	Undetermined	Australia Fiji Guam	Hawaii Nyasaland	Union of South Africa United States
Leaf scald	<i>Xanthomonas albilineans</i> (Ashby) Dowson	Australia Brazil British Guiana Dutch Guiana Fiji	Hawaii Indochina Java Madagascar Martinique	Mauritius Philippines Reunion St. Lucia Taiwan
Leaf sheath adhesion	Unknown	Mauritius		
Leaf scorch	<i>Stagonospora sacchari</i> Lo et Ling	Philippines	Taiwan	
Leaf splitting disease (Also see downy mildew)	<i>Mycosphaerella striatiformans</i> Cobb	Fiji	Hawaii	Java
Leaf stipple	Undetermined	Guam Hawaii Java	Union of South Africa	United States

* Not observed in recent years.

<i>Disease</i>	<i>Cause</i>	<i>Country</i>		
Leafy tuft (see malgrowths)				
Lightning injury	Elemental	Australia British Guiana Fiji	Hawaii Mauritius Puerto Rico	Union of South Africa United States
Limestone chlorosis (see chlorosis)				
Malgrowths	Undetermined			
Bud proliferation		Mauritius		
Bunch top (Witches' broom)		Hawaii	Mauritius	Union of South Africa
Cluster stool		Australia Cuba	Fiji Peru	United States (Florida & Louisiana)
Knife cut		Australia Guam	Hawaii Mauritius	Union of South Africa
Leafy tuft (Grassy shoots?)		India		
Multiple buds		Cuba Fiji	Hawaii Mauritius	Union of South Africa United States
Stem Galls		Australia Barbados Cuba Fiji Guam	Hawaii Java Mauritius Philippines	Puerto Rico Taiwan Union of South Africa
Tangle top (twisted top)	Mechanical	Australia Brazil Cuba Fiji Guam Hawaii India	Japan Madagascar Mauritius Nyasaland Okinawa Peru Philippines	Puerto Rico Southern Rhodesia Taiwan Union of South Africa United States
Witches' broom (same as bunch top?)	Undetermined	Australia	Mauritius	
Manganese deficiency (see Pahala blight)				
<i>Marasmius</i> sheath and shoot rot	<i>Marasmius stenophyllus</i> Mont.	United States*		
Midrib blotch	Undetermined	Hawaii	Union of South Africa	
Mosaic	Virus	Andaman Islands Angola Argentina Australia Barbados* Belgian Congo Brazil British Honduras Cameroons China Colombia Costa Rica Cuba	Dominican Republic Dutch Guiana Egypt El Salvador Ethiopia Fiji* Guadeloupe Haiti Hawaii Honduras India Indochina Italy Jamaica	Japan Java Kenya Madagascar Madeira Malay States Martinique Mexico New Guinea Nicaragua Nyasaland Okinawa? Paraguay Peru Philippines

* Not observed in recent years.

<i>Disease</i>	<i>Cause</i>	<i>Country</i>		
Mosaic (continued)	Virus	Puerto Rico Reunion St. Kitts and Nevis St. Thomas Siam	Sierra Leone Taiwan Tanganyika Trinidad and Tobago Turkey	Uganda Union of South Africa United States Venezuela
Mottled stripe	<i>Xanthomonas rubrisubalbicans</i> (Christopher et Edgerton) Savulescu	Australia Barbados Colombia Fiji Guadeloupe	Jamaica Martinique Nicaragua Peru	Puerto Rico Union of South Africa United States
Multiple buds (see malgrowths)				
<i>Myriogenospora</i> (leaf binding)	<i>Myriogenospora</i> sp.	Argentina	Brazil	United States (Louisiana)
Pahala blight	Manganese deficiency	Fiji Hawaii Jamaica	Mauritius Samoa Taiwan	United States (Florida)
<i>Pestalozzia</i> leaf spot	<i>Pestalozzia fuscescens</i> Sor. var. <i>sacchari</i> Wakker	Australia (Q)* Cuba	India Java	Mauritius Philippines
<i>Phyllosticta</i> spot (leaf)	<i>Phyllosticta hawaiiensis</i> Caum (<i>Phyllosticta sorghina</i> Sacc.) (<i>Phyllosticta sacchari</i> Speg.) <i>Phyllosticta</i> spp.	Hawaii United States (Florida) Union of South Africa	Philippines	Puerto Rico
<i>Phytophthora</i> rot of cuttings	<i>Phytophthora</i> spp.	United States (Louisiana)		
Pineapple disease	<i>Ceratocystis paradoxa</i> (de Seynes) C. Moreau	Antigua Argentina Australia Barbados Brazil British Guiana British Honduras Colombia Costa Rica Cuba Dominican Republic Egypt Fiji	Guadeloupe Hawaii India Indochina Jamaica Japan Java Madagascar Madeira? Mauritius Mexico New Guinea Nicaragua Okinawa Paraguay	Philippines Puerto Rico Reunion St. Kitts and Nevis St. Lucia Tahiti Taiwan Trinidad and Tobago Union of South Africa United States Venezuela
Pokkah boeng	<i>Gibberella moniliformis</i> (Sheldon) Wineland (<i>Fusarium moniliforme</i> Sheldon)	Andaman Islands Angola Antigua Argentina Guam Australia Barbados	Fiji Grenada Guadeloupe Peru Philippines Belgian Congo Brazil	Nicaragua Okinawa Paraguay Taiwan British Guiana British Honduras

* Not observed in recent years.

Disease	Cause	Country				
Pokkah boeng (Continued)		Cameroons	Jamaica	St. Kitts and Nevis		
		China	Japan	St. Lucia		
		Colombia	Java	St. Thomas		
		Cuba	Kenya	Samoa		
		Dominican Republic	Madagascar	Siam		
		Dutch Guiana	Madeira ?	Sierra Leone		
		Egypt	Malay States	Tanganyika		
		Ethiopia	Martinique	Trinidad and Tobago		
		Haiti	Mauritius	Uganda		
		Hawaii	Mexico	Union of South Africa		
		Honduras	New Guinea	United States		
		India	Panama	Venezuela		
		Indochina	Puerto Rico			
		Italy	Reunion			
		Italy				
		Powdery mildew	<i>Erysiphe graminis</i> D.C.			
		Ratoon chlorosis (see chlorosis)				
Ratoon stunting disease (Q. 28 disease, stunting disease)	Virus ?	Antigua	Java	Taiwan		
		Australia	Madagascar	Tanganyika		
		Barbados	Mexico	Trinidad		
		Brazil	Mauritius	Union of South Africa		
		Colombia	Nicaragua	United States (Florida and Louisiana)		
		Cuba	Philippines			
		Ethiopia	Puerto Rico			
		Fiji	Reunion			
		Hawaii	St. Kitts and Nevis			
		India	Taiwan	Trinidad		
		Cuba	Tanganyika			
		Jamaica				
		Red leaf spot (purple spot)	<i>Eriosphaeria sacchari</i> (v. Breda de Haan) Went			
Red line disease (stem red stripe)	<i>Fusarium</i> sp.	Taiwan				
Red rot	<i>Physalospora tucumanensis</i> (Went) Speg. (<i>Glomerella tucumanensis</i>) (<i>Colletotrichum falcatum</i> Went)	Angola	Guadeloupe	Okinawa		
		Antigua	Guam	Panama		
		Argentina	Haiti	Peru		
		Australia	Hawaii	Philippines		
		Barbados	India	Puerto Rico		
		Brazil	Indochina	Reunion		
		British Guiana	Jamaica	St. Kitts		
		British Honduras	Japan	Nevis		
		China	Java	St. Lucia		
		Colombia	Madagascar	Samoa		
		Cuba	Madeira	Siam		
		Dominican Republic	Malay States	Taiwan		
		Egypt	Mauritius	Trinidad & Tobago		
		El Salvador	Mexico	Union of South Africa		
		Fiji	Mozambique	United States		
			New Guinea			
			Nicaragua			
		Red rot of leaf sheath	<i>Sclerotium rolfsii</i> Sacc.	Australia	Mauritius	Puerto Rico
				Brazil	Mexico	Taiwan
				Cuba	New Guinea	Trinidad
		Fiji	Okinawa	Union of South Africa		
		India	Peru	United States		
		Java	Philippines			
		Madagascar				

Disease	Cause	Country	Country	Country
Red spot of leaf sheath	<i>Cercospora vaginiae</i> Kruger	Argentina	Hawaii	Peru
		Barbados	Honduras	Philippines
		Brazil	India	Puerto Rico
		British Guiana	Indochina	Reunion
		Guiana	Jamaica	Siam
		China	Japan	Taiwan
		Colombia	Java	Trinidad* and
		Cuba	Madagascar	Tobago
		Dominican Republic	Mauritius	Union of South Africa
		Haiti	Mexico	United States
		Haiti	Okinawa	
		Haiti	Okinawa	
		Red stripe	<i>Xanthomonas rubrilineans</i> (Lee et al) Starb et Burkh.	Argentina
Australia	India			Okinawa
Barbados	Indochina?			Philippines
British Guiana	Jamaica			Puerto Rico
Brazil	Japan			Taiwan
Colombia	Java			Trinidad
Cuba	Kenya			Uganda
Dutch Guiana	Madagascar			Union of South Africa
Ethiopia	Martinique			
Guadeloupe	Mauritius			United States
Guam	Mexico			
United States				
United States				
Rhizoctonia sheath and shoot rot	<i>Rhizoctonia solani</i> Kuehn			
Rind disease	<i>Pleocyta sacchari</i> (Mass) Petr. et Syd. (<i>Melanconium sacchari</i> Mass.)			
Andaman Islands	Fiji	Peru		
Guadeloupe	Guadeloupe	Philippines		
Angola	Haiti	Puerto Rico		
Antigua	Hawaii	Reunion		
Australia	India	St. Kitts and Nevis		
Barbados	Indochina	St. Lucia		
Brazil	Jamaica	Tahiti		
British Guiana	Japan	Taiwan		
British Guiana	Java	Tanganyika		
Honduras	Madagascar	Trinidad and Tobago		
China	Malay States	Uganda		
Colombia	Mauritius	Union of South Africa		
Cuba	Mexico	United States		
Dominican Republic	New Guinea	United States		
Republic	Okinawa	United States		
Egypt	Paraguay	United States		
Hawaii	Java	United States		
Ring mosaic	Virus?			
Ring spot	<i>Leptosphaeria sacchari</i> v. Breda de Haan (<i>Phyllosticta saccharicola</i> Henn)			
Andaman Islands	Colombia	Indochina		
Angola	Gosta Rica	Jamaica		
Antigua	Cuba	Japan		
Argentina	Dominican Republic	Java		
Australia	Dutch Guiana	Kenya		
Barbados	Egypt	Madagascar		
Belgian Congo	El Salvador	Martinique		
Brazil	Fiji	Mauritius		
British Guiana	Guadeloupe	Mexico		
British Guiana	Hawaii	Nyasaland		
Honduras	Honduras	Okinawa		
China	India	Philippines		
		Panama		

* Not observed in recent years.

Disease	Cause	Country	Country	Country
Ring spot (Continued)		Paraguay	Siam	Uganda
		Peru	Sierra Leone	Union of South Africa
		Puerto Rico	Taiwan	United States
		Reunion	Tanganyika	Venezuela
		St. Kitts and Nevis	Trinidad and Tobago	
		Samoa		
Root rots	<i>Armillaria</i> sp.	Reunion		
	<i>Corticium</i> sp.	Philippines		
	<i>Dictyophora</i> sp.	Australia*	Madagascar	
	<i>Marasmius plicatus</i>			
	Wakker	Java	Peru	Philippines
		Mauritius		
	<i>Marasmius sacchari</i>	Antigua	Hawaii	Puerto Rico
	Wakker	Australia	India	St. Kitts and Nevis
		Barbados	Indochina	St. Lucia
		British Guiana	Jamaica	St. Vincent
		Colombia	Java	Taiwan
		Cuba	Martinique	Trinidad and Tobago
		Dominican Republic	Mauritius?	Union of South Africa
		Fiji	Mexico	United States
		Grenada	Okinawa	
		Guadeloupe	Paraguay	
		Haiti	Peru	
			Philippines	
	<i>Olpidium</i> sp.	Puerto Rico		
	<i>Pythium</i> spp.	Australia	Java	Taiwan
		El Salvador	Mauritius	Union of South Africa
		Hawaii	Mexico?	United States
		India	Philippines	
	<i>Rhizoctonia</i> spp.			
		Barbados	Mauritius	Union of South Africa
		Java	Puerto Rico	United States
Rust	<i>Puccinia kuehni</i> (Krueger) Butler	Australia	Japan	Taiwan
		China	Java	Union of South Africa
		Fiji	Mozambique	
		India	New Guinea	
		Indochina	Philippines	
	<i>Puccinia erianthi</i>	India		
	<i>Puccinia sacchari</i>	India		
	<i>Puccinia purpurea</i>	Bermuda	Philippines	
Schizophyllum rot	<i>Schizophyllum commune</i> Fr.	Argentina	India	New Guinea
		Australia (Q.)	Indochina	Philippines
		Brazil	Japan	Puerto Rico
		Cuba	Java	Taiwan
		Dominican Republic	Madagascar	Union of South Africa
		Haiti	Martinique	United States
		Hawaii	Mauritius	
			Mexico	
Sclerophthora disease	<i>Sclerospora</i> sp.	Australia	Union of South Africa	
	<i>Sclerophthora macrospora</i> (Sacc.) Thir. et alia.	Mauritius	United States (Louisiana)	
		Peru		

* Not observed in recent years.

Disease	Cause	Country		
Sclerotial disease (Synonymous with <i>Sclerotium</i> disease and red rot of sheath?)	<i>Sclerotium</i> sp.	Australia	Guam	Taiwan
Sclerotic disease	Physiological	Taiwan		
<i>Sclerotium</i> disease (djamoeer oepas)	<i>Sclerotium</i> sp.	Java		
Sembur	Undetermined	Java		
Sereh	Undetermined	Formosa*	Java*	
Sheath rot (Cytospora sheath rot, stem canker)	<i>Cytospora sacchari</i> Butler	Argentina Australia Brazil British Guiana Cuba Fiji Hawaii	India Japan Java Mexico Okinawa Peru	Philippines Puerto Rico Taiwan Union of South Africa United States
Smuts				
1. Floral smuts,	<i>Sphacelotheca cruenta</i> (Kuehn) Potter	India		
	<i>Sphacelotheca erianthi</i> (Syd.) Mundkur	India		
	<i>Sphacelotheca sacchari</i> (Robenh) Cif.	Taiwan		
Covered smut	<i>Sphacelotheca</i> <i>macrospora</i> Yen et Wang	Taiwan		
Flower smut	<i>Sphacelotheca</i> <i>saccharicola</i> sp. nov. Miy.	Taiwan		
False floral smut	Sphacelial stage of - <i>Claviceps (purpurea?)</i> accompanied by - <i>Cerebella andropogonis</i> Ces.	Australia Colombia		
2. Culmicolous smuts	<i>Ustilago scitaminea</i> Syd.	Argentina Belgian Congo Brazil Ceylon China Egypt Ethiopia India	Indochina Java* Madagascar Mauritius Mozambique Okinawa Paraguay Philippines	Reunion Siam Somaliland Southern Rhodesia Taiwan* Union of South Africa
Sooty mold	<i>Fumago (?) sacchari</i> Speg. <i>Capnodium</i> spp.	Argentina Australia British Guiana Cuba Hawaii India Indochina	Jamaica Madagascar Mauritius Okinawa Paraguay Peru Philippines	Puerto Rico Taiwan Trinidad Uganda Union of South Africa United States
Sour rot (see rind disease)				
Spike	Undetermined	Australia	India	

* Not observed in recent years.

Disease	Cause	Country		
Stellate-crystal fungus	<i>Himantia stellifera</i> Johnston	Argentina Barbados Brazil British Guiana Cuba	Dominican Republic Hawaii Jamaica Java Madagascar	Puerto Rico St. Croix Trinidad & Tobago Union of South Africa
Stem bleeding	Undetermined	Mauritius		
Stem Galls (see malgrowths)				
Stinking rot	<i>Pseudomonas desaiiana</i> (Burk.) Savulescu (<i>Bacterium pyocyaneum saccharum</i> Desai)	India		
Streak	Virus	Brazil? Egypt India	Madeira Mozambique Nyasaland	Southern Rhodesia Union of South Africa
Target blotch	<i>Helminthosporium</i> sp. Priode	Cuba	Union of South Africa	
Variation, leaf and stalk	Genetical	Australia Brazil British Guiana Colombia Fiji	Hawaii Madagascar Mauritius Panama	Peru Taiwan Union of South Africa
Veneer blotch	<i>Deightonella papuana</i> Shaw	New Britain	New Guinea	Solomon Islands
White stripe	Undetermined	Peru	United States	
Wilt (see <i>Fusarium</i> sett or stem rot)				
Witches' broom (see malgrowths)				
Yellowing disease Yellows or Cane Yellowing)	Potassium deficiency	Fiji		
Yellow spot (leaf)	<i>Cercospora Koepkei</i> Kruger	Argentina Australia Brazil China Colombia Cuba	Fiji India Indochina Java New Guinea	Okinawa Philippines Reunion Taiwan Union of South Africa
Zonate leaf spot	<i>Gloeocercospora sorghi</i> Bain et Edgerton	United States		

PART II

THE CANE-SUGAR PRODUCING COUNTRIES OF THE WORLD
AND THE CANE DISEASES RECORDED IN EACH COUNTRY

AFRICA

Angola:

Mosaic, pokkah boeng, red rot, rind disease, ring spot.

Belgian Congo:

Eye spot, mosaic, pokkah boeng, ring spot, smut.

AFRICA (Continued)

Cameroons:

Dry rot, eye spot, mosaic, pokkah boeng.

Egypt:

Eye spot, mosaic, pineapple disease, pokkah boeng, red rot, rind disease, ring spot, smut, streak.

Ethiopia:

Mosaic, pokkah boeng, banded chlorosis, ratoon stunting, red stripe, smut, leaf burn.

Kenya:

Cane-killing weed, eye spot, mosaic, pokkah boeng, red stripe, ring spot.

Mozambique:

Brown stripe, eye spot, red rot, rust, smut, streak.

Nyasaland:

Brown spot, cane-killing weed, leaf freckle, mosaic, ring spot, streak, tangle top.

Sierra Leone:

Eye spot, mosaic, pokkah boeng, ring spot.

Somaliland:

Smut.

Southern Rhodesia:

Brown spot, smut, streak, tangle top, wilt.

Tanganyika:

Brown spot, eye spot, mosaic, pokkah boeng, ratoon stunting, red leaf spot, rind disease, ring spot.

Uganda:

Brown spot, eye spot, mosaic, pokkah boeng, red stripe, rind disease, ring spot, sooty mold, wilt.

Union of South Africa (Natal):

Arrow rot, banded chlorosis, brown spot, brown stripe, bunch top, cane-killing weed, chlorotic streak, *Diplodia* rot, eye spot, *Fusarium* sett or stem rot, gangrene, gumming disease, inflorescence binding fungus, knife cut, leaf buckle, leaf fleck, leaf freckle, leaf stipple, lightning injury, limestone chlorosis, midrib blotch, mosaic, mottled stripe, multiple buds, *Phyllosticta* spot, pineapple disease, pokkah boeng, ratoon chlorosis, ratoon stunting disease, red rot, red rot of leaf sheath, red spot of leaf sheath, red stripe, rind disease, ring spot, root rot (*Marasmius* sp., *Pythium* spp., *Rhizoctonia* sp.), rust, *Schizophyllum* rot, *Sclerospora* disease, sheath rot, smut, sooty mold, stellate-crystal fungus, stem canker (see sheath rot), stem galls, streak, tangle top, target blotch, variegation (leaf and stalk), wilt, yellow spot.

AMERICA, NORTH AND CENTRAL

British Honduras:

Eye spot, gumming, mosaic, pineapple disease, pokkah boeng, red rot, rind disease, ring spot.

Costa Rica:

Eye spot, mosaic, pineapple disease, ring spot.

El Salvador:

Mosaic, red rot, ring spot, root rot (*Pythium* sp.).

Guatemala:

Honduras:

Eye spot, mosaic, pokkah boeng, red spot of leaf sheath, ring spot.

Mexico:

Banded chlorosis, brown spot, dry rot, eye spot, mosaic, pineapple disease, pokkah boeng, ratoon stunting disease, red rot, red rot of leaf sheath, red spot of leaf sheath, red stripe, rind disease, ring spot, root rot (*Marasmius* sp., *Pythium* sp.?), *Schizophyllum* rot, sheath rot (*Cytospora*), wilt.

Nicaragua:

Brown spot, mosaic, mottled stripe, pineapple disease, pokkah boeng, ratoon stunting disease, red rot, red stripe.

Panama:

Brown stripe, leaf variegation, pokkah boeng, red rot, ring spot.

United States (Florida and Louisiana):

Banded chlorosis, banded sclerotial disease, black rot, brown spot, brown stripe, *Cephalosporium* seed rot, chlorotic leaf blotch (La.), chlorotic streak (La.), cluster stool (La. and

AMERICA, NORTH AND CENTRAL (continued)

Fla.), droopy top, eye spot (Fla.), *Fusarium* sett or stem rot, iliau, internal stalk necrosis (La.), leaf buckle, leaf burn (Fla.), leaf freckle, leaf stipple, lightning injury, *Marasmius* sheath and shoot rot, mosaic, mottled stripe, multiple buds, *Myriogenospora* leaf binding (La.), pahala blight (Fla.), *Phyllosticta* spot, *Phytophthora* rot of cuttings, pineapple disease, pokkah boeng, ratoon stunting, red rot, red rot of leaf sheath, red spot of leaf sheath, red stripe, *Rhizoctonia* sheath and shoot rot, rind disease, ring mosaic, ring spot, root rot (*Marasmius* sp., *Pythium* sp., *Rhizoctonia* spp.), *Schizophyllum* rot, *Sclerospora* disease (La.), sheath rot (*Cytospora*), sooty mold, tangle top, white stripe (leaf), wilt, zonate leaf spot.

AMERICA, SOUTH

Argentina:

Black leaf spot, brown spot, collar rot, eye spot, mosaic, *Myriogenospora* leaf binding, pineapple disease, pokkah boeng, red rot, red spot of leaf sheath, red stripe, ring spot, *Schizophyllum* rot, sheath rot (*Cytospora*), smut, sooty mold, stellate-crystal fungus, wilt, yellow leaf spot.

Brazil:

Banded chlorosis, black rot, brown spot, brown stripe, dry rot, chlorotic streak, eye spot, gumming, iliau, leaf buckle, leaf scald, mosaic, *Myriogenospora* leaf binding, pineapple disease, pokkah boeng, ratoon stunting, red rot, red rot of leaf sheath, red spot of leaf sheath, red stripe, rind disease, ring spot, *Schizophyllum* rot, sheath rot, smut, stellate-crystal fungus, twisted top, variegation (leaf), wilt, yellow spot.

British Guiana:

Chlorotic streak, dry rot, eye spot, leaf scald, leaf variegation, lightning injury, pineapple disease, pokkah boeng, red rot, red spot of leaf sheath, red stripe, rind disease, ring spot, root rot (*Marasmius* sp.), sheath rot, sooty mold, stellate-crystal fungus.

Chile:

Colombia:

Brown spot, chlorotic streak, eye spot, gumming, mosaic, mottled stripe, pineapple disease, pokkah boeng, ratoon stunting, red rot, red spot of leaf sheath, red stripe, rind disease, ring spot, root rot (*Marasmius* sp.), variegation (leaf), wilt, yellow leaf spot.

Dutch Guiana (Surinam):

Chlorotic streak, eye spot, leaf scald, mosaic, pokkah boeng, red stripe, ring spot.

Ecuador:

Paraguay:

Mosaic, pineapple disease, pokkah boeng, rind disease, ring spot, root rot (*Marasmius* sp.), smut, sooty mold.

Peru:

Black rot, brown spot, brown stripe?, chlorotic leaf blotch, cluster stool, eye spot, mosaic, mottled stripe, pokkah boeng, ratoon chlorosis, red rot, red rot of leaf sheath, red spot of leaf sheath, rind disease, ring spot, root rot (*Marasmius* spp.), *Sclerospora* disease, sheath rot, sooty mold, tangle top, variegation (leaf), wilt, white stripe.

Venezuela:

Brown spot, dry top rot, eye spot, mosaic, pineapple disease, pokkah boeng, ring spot.

ASIA

Burma:

Ceylon:

Smut.

China:

Baker's leaf spot, eye spot, mosaic, pokkah boeng, red rot, red spot of leaf sheath, rind disease, ring spot, rust, smut, yellow leaf spot.

India:

Banded chlorosis, banded sclerotial disease, black leaf spot, black rot, brown spot, brown stripe?, bulaklak (bunga), collar rot, downy mildew, dry rot, eye spot, leafy tuft, (grassy shoots?), mosaic, *Pestalozzia* leaf spot, pineapple disease, pokkah boeng, ratoon stunting disease, red rot, red rot of leaf sheath, red spot of leaf sheath, red stripe, rind disease, ring spot, root rot (*Marasmius* sp., *Pythium* sp.), rust, *Schizophyllum* rot, sheath rot (*Cytospora* sheath rot, stem canker), smut, sooty mold, stinking rot, streak, striga (cane-killing weed), tangle top, wilt, yellow spot.

ASIA (continued)

Indochina (French):

Collar rot, dry rot, eye spot, leaf scald, mosaic, pineapple disease, pokkah boeng, red rot, red spot of leaf sheath, red stripe?, rind disease, ring spot, root rot (*Marasmius* sp.), rust, *Schizophyllum* rot, smut, sooty mold, yellow leaf spot.

Japan:

Banded chlorosis, brown stripe, downy mildew, eye spot, mosaic, pineapple disease, pokkah boeng, red rot, red spot of leaf sheath, red stripe, rind disease, ring spot, rust, *Schizophyllum* rot, sheath rot (*Cytospora*), tangle top.

Malay States:

Dry rot, eye spot, mosaic, pokkah boeng, red rot, rind disease.

Pakistan:

Siam (Thailand):

Banded sclerotial leaf disease, downy mildew, eye spot, mosaic, pokkah boeng, red rot, red spot of leaf sheath, ring spot, smut.

EUROPE

Italy:

Eye spot, mosaic, pokkah boeng, powdery mildew.

Madeira:

Eye spot, gumming, mosaic?, pineapple disease?, pokkah boeng?, red rot, streak.

Portugal:

Spain:

Turkey:

Chlorotic streak, mosaic.

INDIAN OCEAN AREA

Andaman Islands:

Eye spot, mosaic, pokkah boeng, rind disease, ring spot.

Java:

Banded sclerotial leaf disease*, black leaf spot*, black rot*, black spot, brown spot*, bulaklak, chlorotic streak, dry rot*, eye spot, kalimati, leaf scald, leaf-splitting*, leaf stipple*, mosaic, *Pestalozzia* leaf spot, pineapple disease, pokkah boeng, red leaf spot, red rot, red rot of leaf sheath, red spot of leaf sheath, red stripe, rind disease, ring mosaic*, ring spot, root rot (*Marasmius* spp., *Pythium* sp., *Rhizoctonia* sp.), rust, *Schizophyllum* rot, *Sclerotium* disease (djamoer oepas), sembur, seroh*, sheath rot (*Cytospora*), smut, stellate-crystal fungus, stem galls, yellow leaf spot.

Madagascar:

Banded sclerotial disease, brown spot, chlorotic streak, eye spot, Fiji disease (East coast), gumming leaf scald, leaf variegation, mosaic, pineapple disease, pokkah boeng, ratoon stunting, red rot, red rot of leaf sheath, red spot of leaf sheath, red stripe, rind disease, ring spot, root rot (*Dictyophora* sp.), *Schizophyllum* rot, smut, sooty mold, stellate-crystal fungus, striga (cane-killing weed), tangle top, wilt.

Mauritius:

Arrow rot, brown spot, bud proliferation or abnormal buds, bunch top, cane-killing weed, chlorotic streak, collar rot, eye spot, gumming, internal stalk necrosis, iron chlorosis, knife cut, leaf buckle, leaf burn, leaf fleck, leaf scald, leaf sheath adhesion, lightning injury, multiple buds, Pahala blight, *Pestalozzia* leaf spot, pineapple disease, pokkah boeng, ratoon stunting, red rot, red rot of leaf sheath, red spot of leaf sheath, red stripe, rind disease, ring spot, root rot (*Marasmius plicatus*, *Marasmius sacchari*?, *Pythium* sp., *Rhizoctonia* spp.), *Schizophyllum* rot, *Sclerospora* disease, smut, sooty mold, stem bleeding, stem galls, tangle top, variegation (leaf and stalk), witches' broom.

Reunion:

Brown spot, cane-killing weed (*Striga*), chlorotic streak, eye spot, gumming, leaf scald, mosaic, pineapple disease, pokkah boeng, ratoon stunting, red rot, red spot of leaf sheath, rind disease, ring spot, root rot (*Armillaria* sp.), smut, streak, wilt, yellow leaf spot.

* Not observed in recent years.

PACIFIC OCEAN AREAS

Australia:

Arrow rot, banded chlorosis (cold chlorosis), banded sclerotial disease, bacterial mottle, black rot, brown stripe, cane-killing weeds (two), chlorotic leaf blotch, chlorotic streak, cluster stool, downy mildew, droopy top, dwarf disease, eye spot, Fiji disease, gumming, iliau, knife cut, leaf buckle, leaf burn, leaf fleck, leaf freckle, leaf scald, lightning injury, mosaic, mottled stripe, *Pestalozzia* leaf spot, pineapple disease, pokkah boeng, ratoon chlorosis, ratoon stunting, red rot, red rot of leaf sheath, red stripe, rind disease, ring spot, root rot (*Marasmius* sp., *Pythium* sp., *Dictyophora* sp.), rust, *Schizophyllum* rot, *Sclerospora* disease, sclerotial disease, sheath rot, sooty mold, spike, stem galls, tangle top, variegation (leaf and stalk), witches' broom, yellow spot.

Borneo:

Fiji:

Banded sclerotial disease, brown stripe, chlorotic streak, cluster stool, downy mildew, eye spot, Fiji disease, gumming, leaf buckle, leaf burn, leaf fleck, leaf freckle, leaf scald, leaf-splitting disease, lightning injury, limestone chlorosis, mosaic, mottled stripe, multiple buds, Pahala blight, pineapple disease, pokkah boeng, ratoon chlorosis (iron), ratoon stunting, red rot, red rot of leaf sheath, rind disease, ring spot, root rot (*Marasmius* sp.), rust, sheath rot, stem galls, tangle top, variegation (leaf and stalk), yellow spot, yellowing disease.

Taiwan (Formosa):

Banded chlorosis (cold or sectional chlorosis), banded sclerotial leaf disease, black rot, black stripe, brown stripe, bunga, chlorotic streak, downy mildew, eye spot, flower smut, internal stalk necrosis, leaf blast, leaf blight, leaf buckle, leaf burn, leaf fleck, leaf scald, leaf scorch, leaf-splitting disease, mosaic, Pahala blight, pineapple disease, pokkah boeng, purple spot (red leaf spot), ratoon stunting disease, red line disease, red rot, red rot of leaf sheath, red spot of leaf sheath, red stripe, rind disease, ring spot, root rot (*Marasmius* sp., *Pythium* sp.), rust, *Schizophyllum* rot, sclerotial disease, sclerotic disease, sereh, sheath rot (*Cytospora*), smut, sooty mold, stem galls, tangle top (twisted top), variegation (leaf and stalk), yellow leaf spot.

Guam:

Chlorotic leaf blotch, knife cut, leaf burn, leaf freckle, leaf stipple, pokkah boeng, red rot, red stripe, sclerotial disease, stem galls, tangle top.

Hawaii:

Banded chlorosis, brown stripe, bunch top, chlorotic leaf blotch, chlorotic streak, eye spot, iliau, internal stalk necrosis, knife cut, leaf buckle, leaf burn, leaf fleck, leaf freckle, leaf scald, leaf-splitting disease, leaf stipple, lightning injury, limestone chlorosis, midrib blotch, mosaic, multiple buds, Pahala blight (Mn deficiency), *Phyllosticta* spot, pineapple disease, pokkah boeng, ratoon chlorosis, ratoon stunting, red rot, red spot of leaf sheath?, red stripe, rind disease, ring mosaic, ring spot, root rot (*Marasmius* sp., *Pythium* sp.), *Schizophyllum* rot, sheath rot, sooty mold, stellate-crystal fungus, stem galls, tangle top, variegation (leaf and stalk).

New Britain:

Fiji disease, veneer blotch.

New Caledonia:

Fiji disease.

New Guinea:

Banded sclerotial disease, downy mildew, eye spot, Fiji disease, gumming?, mosaic, pineapple disease, pokkah boeng, red rot, red rot of leaf sheath, rind disease, rust, *Schizophyllum* rot, veneer blotch, yellow spot.

Okinawa (Ryukyu):

Banded chlorosis (sectional), banded sclerotial disease, eye spot, leaf blight, mosaic, pineapple disease, pokkah boeng, red rot, red rot of leaf sheath, red spot of leaf sheath, red stripe, rind disease, ring spot, root rot (*Marasmius* sp.), sheath rot (*Cytospora*), smut, sooty mold, tangle top, yellow spot.

Philippines:

Bacterial stem rot, Baker's leaf spot, banded sclerotial leaf disease, black leaf spot, black spot, brown spot, bunga, collar rot, culm and midrib rot, downy mildew?, dry rot, ergot?, eye spot, Fiji disease, iliau?, leaf and sheath rot, leaf burn, leaf scald, leaf scorch, leaf-splitting disease, mosaic, *Pestalozzia* leaf spot, *Phyllosticta* spot, pineapple disease, pokkah boeng, ratoon stunting, red rot, red rot of leaf sheath, red spot of leaf sheath, red stripe, rind disease, ring spot, root rot (*Corticium* sp., *Marasmius* spp., *Pythium* sp.), rust, *Schizophyllum* rot, sheath rot (*Cytospora*), smut, sooty mold, stem galls, tangle top, wilt, yellow spot.

PACIFIC OCEAN AREAS (*continued*)

Samoa:

Brown stripe, chlorotic streak, Fiji disease, Pahala blight (*Mn* deficiency), pokkah boeng, red rot, ring spot.

Solomon Islands:

Fiji disease, veneer blotch.

Sumatra:

Tahiti:

Pineapple disease, rind disease.

WEST INDIES

Antigua:

Eye spot, gumming, limestone chlorosis, pineapple disease, pokkah boeng, ratoon stunting disease, red rot, rind disease, ring spot, root rot (*Marasmius* sp.).

Barbados:

Dry rot, eye spot, gumming, limestone chlorosis, mottled stripe, mosaic, pineapple disease, pokkah boeng, ratoon stunting disease, red rot, red spot of leaf sheath, red stripe, rind disease, ring spot, root rot (*Marasmius* sp. and *Rhizoctonia* spp.), stellate-crystal fungus, stem galls.

Cuba:

Banded chlorosis (cold chlorosis), brown spot, brown stripe, chlorotic streak, cluster stool, dry rot, eye spot, iliau, mosaic, multiple buds, *Pestalozzia* leaf spot, pineapple disease, pokkah boeng, ratoon stunting disease, red leaf spot, red rot, red rot of leaf sheath, red spot of leaf sheath, red stripe, rind disease, ring spot, root rot (*Marasmius* sp.), *Schizophyllum* rot, sheath rot (*Cytospora*), sooty mold, stellate-crystal fungus, stem galls, tangle top, target blotch, yellow leaf spot.

Dominican Republic:

Black rot, brown stripe, dry rot, eye spot, gumming, mosaic, pineapple disease, pokkah boeng, red rot, red spot of leaf sheath, rind disease, ring spot, root rot (*Marasmius* sp.), *Schizophyllum* rot, stellate-crystal fungus, wilt.

Grenada:

Chlorotic streak, eye spot, pokkah boeng, root rot (*Marasmius* sp.).

Guadeloupe:

Chlorotic leaf blotch, chlorotic streak, eye spot, gumming, mosaic, mottled stripe, pineapple disease, pokkah boeng, red rot, red stripe, rind disease, ring spot, root rot (*Marasmius* sp.), wilt.

Haiti:

Eye spot, mosaic, pokkah boeng, red rot, red spot of leaf sheath, rind disease, root rot (*Marasmius* sp.), *Schizophyllum* rot.

Jamaica:

Banded chlorosis, brown spot, brown stripe, chlorotic streak, dry rot, eye spot, limestone chlorosis, mosaic, mottled stripe, Pahala blight, pineapple disease, pokkah boeng, ratoon chlorosis, ratoon stunting, red rot, red spot of leaf sheath, red stripe, rind disease, ring spot, root rot (*Marasmius* sp.), sooty mold, stellate-crystal fungus.

Martinique:

Chlorotic streak, eye spot, gumming, leaf scald, mosaic, mottled stripe, pokkah boeng, red stripe, ring spot, root rot (*Marasmius* sp.), *Schizophyllum* rot.

Montserrat:

Puerto Rico:

Brown spot, brown stripe, chlorotic streak, *Diplodia* rot, dry rot, dry top rot, eye spot, gumming, lightning injury, mosaic, mottled stripe, *Phyllosticta* leaf spot, pineapple disease, pokkah boeng, ratoon stunting, red rot, red rot of leaf sheath, red spot of leaf sheath, red stripe, rind disease, ring spot, root rot (*Marasmius* sp., *Olpidium* sp., *Rhizoctonia* spp.), *Schizophyllum* rot, sheath rot (*Cytospora*), sooty mold, stellate-crystal fungus, stem galls, tangle top.

St. Croix:

Stellate-crystal fungus.

St. John:

St. Kitts and Nevis:

Eye spot, gumming, mosaic, pineapple disease, pokkah boeng, ratoon stunting, red rot, rind disease, ring spot, root rot (*Marasmius* sp.).

WEST INDIES (continued)

St. Lucia:

Chlorotic streak, eye spot, gumming, leaf scald, pineapple disease, pokkah boeng, red rot, rind disease, root rot (*Marasmius* sp.).

St. Thomas:

Dry rot, eye spot, mosaic, pokkah boeng.

St. Vincent:

Gumming, root rot (*Marasmius* sp.).

Trinidad and Tobago:

Chlorotic streak (Trinidad), dry rot, eye spot, mosaic, pineapple disease, pokkah boeng, ratoon stunting, red leaf spot, red rot, red rot of leaf sheath (Trinidad), red spot of leaf sheath, red stripe (Trinidad), rind disease, ring spot, root rot (*Marasmius* sp.), sooty mold (Trinidad), stellate-crystal fungus.

PART III.

THE SUGAR CANE DISEASES OF THE WORLD
ARRANGED ACCORDING TO THE CAUSAL AGENTS

The diseases are arranged alphabetically under the following headings:

- | | | |
|--------------|---------------------|-----------------|
| 1. Bacterial | 4. Parasitic Plants | 6. Undetermined |
| 2. Fungal | 5. Environmental | 7. Mechanical |
| 3. Virus | | |

I. BACTERIAL DISEASES

Xanthomonas albilineans (Ashby) Dows.
Erwinia sp.
Pseudomonas desaiiana (Burkh.) Savulescu
Xanthomonas rubrilineans (Lee et al)
Starr et Burkholder
Xanthomonas rubrisubalbicans
(Christopher et Edgerton) Savulescu
Xanthomonas vasculorum (Cobb) Dows.

Leaf scald
Bacterial mottle
Stinking rot
Red stripe and top rot
Mottled stripe
Gumming

2. FUNGAL DISEASES

Bakerophoma sacchari Died
Capnodium spp.
Cephalosporium sacchari Butler
Cephalosporium sacchari Butler
Ceratocystis paradoxa (de Seynes) Moreau
Ceratocystis adiposa (Butler) Moreau
Cercospora acerosum Dickhoff et Hein
Cercospora atrofiliformis Yen, Lo et Chi
Cercospora hoepkei Kruger
Cercospora longipes Butler
Cercospora vaginae Kruger
Cerebella andropogonis Ces.
Claviceps sp.
Cochliobolus stenospilus (Drechs.)
Matsumoto et Yamamoto
Colletotrichum falcatum Went.
[*Physalospora tucumanensis* (Went) Speg.]
(*Glomerella tucumanensis*)
Corticium (Hypochmus) sasakii (Shirai) Mat.
Corticium sp.
Corticium rolfsii (Sacc.) Curzi
Cytospora sacchari Butler
Deightonella papuana Shaw

Baker's leaf spot
Sooty mold
Cephalosporium seed rot
Wilt
Pineapple disease
Black rot
Black spot
Black stripe
Yellow spot
Brown spot
Red spot of leaf sheath
False floral smut
Ergot
Brown stripe
Red rot
Banded sclerotial disease
Root rot
Red rot of leaf sheath
Sheath rot, *Cytospora* sheath rot
stem canker
Veneer blotch

<i>Dictyophora</i> sp.	Root rot
<i>Didymosphaeria taiwanensis</i> Yen et Chi	Leaf blast
<i>Diplodia</i> sp.	<i>Diplodia</i> rot
<i>Ephelis pallida</i> Pat.	Inflorescence binding fungus
<i>Eriosphaeria sacchari</i> (Breda de Haan) Went	Red leaf spot, purple spot
<i>Erysiphe graminis</i> DC	Powdery mildew
<i>Fumago</i> (?) sp.	Sooty mold
<i>Fusarium moniliforme</i> (Shield.) Snyder et Hans. (<i>Gibberella fujikuroi</i> (Saw.) Wr.)	<i>Fusarium</i> sett or stem rot, pokkah boeng, knife cut
<i>Fusarium</i> sp.	Arrow rot
<i>Fusarium</i> sp.	Red line
<i>Gibberella fujikuroi</i> (Saw.) Wr.	<i>Fusarium</i> sett or stem rot, pokkah boeng, knife cut
<i>Gloeocercospora sorghi</i> Bain et Edgerton	Zonate leaf spot
<i>Gnomonia iliau</i> Lyon	Iliau
<i>Helminthosporium sacchari</i> (Breda de Haan) Butler	Eye spot
<i>Helminthosporium stenospilum</i> Drechs. (<i>Cochliobolus stenospilus</i> (Drechs.) Matsumoto et Yamamoto)	Brown stripe
<i>Helminthosporium</i> sp.	Target blotch
<i>Hendersonina sacchari</i> Butler	Collar rot
<i>Himantia stellifera</i> Johnston	Stellate crystal fungus
<i>Hypochnus</i> (<i>Corticium</i>) <i>sasakii</i> Shirai	Banded sclerotial disease
<i>Leptosphaeria sacchari</i> Breda de Haan	Ring spot
<i>Leptosphaeria taiwanensis</i> Yen et Chi	Leaf blight
<i>Ligniera</i> (<i>Plasmodiophora</i>) <i>vascularum</i> (Matz) Cook	Dry top rot
<i>Marasmius plicatus</i> Wakker	Leaf and sheath rot
<i>Marasmius sacchari</i> Wakker	Root rot
<i>Marasmius stenosphyllus</i> Mont.	<i>Marasmius</i> sheath and shoot rot
<i>Melanconium iliau</i> Lyon (<i>Gnomonia iliau</i> Lyon)	Iliau
<i>Melanconium sacchari</i> (Mass.) Petr. et Syd. (<i>Pleocyta sacchari</i> Mass.)	Rind disease
<i>Mycelia sterilia</i>	Banded sclerotial disease
<i>Mycosphaerella striatiformans</i> Cobb	Leaf-splitting disease
<i>Myriogenospora</i> sp.	<i>Myriogenospora</i> leaf binding
<i>Olpidium</i> sp.	Root disease
<i>Papularia vinosa</i> (Berk et Curt.) Mason	Culm and midrib rot
<i>Pestalozzia fuscescens</i> Sor. var. <i>sacchari</i> Wakker	<i>Pestalozzia</i> leaf spot
<i>Phyllachora sacchari</i> P. Henn.	Black leaf spot
<i>Phyllosticta hawaiiensis</i> Caum	<i>Phyllosticta</i> leaf spot
<i>Phyllosticta saccharicola</i> Henn. (<i>Leptosphaeria sacchari</i> , Breda de Haan)	Ring spot
<i>Phyllosticta</i> sp.	<i>Phyllosticta</i> leaf spot
<i>Physalospora rhodina</i> (Berk. et Curt.) Cke.	Dry rot
<i>Physalospora tucumanensis</i> (Went.) Speg. (<i>Glomerella tucumanensis</i>)	Red rot
<i>Phytophthora</i> spp.	<i>Phytophthora</i> rot of cuttings
<i>Plasmodiophora vascularum</i> Matz	Dry top rot
<i>Pleocyta sacchari</i> (Mass.) Petr. et Syd.	Rind disease
<i>Puccinia kuehnii</i> (Krueg.) Butler	Rust
<i>Pythium</i> spp.	Root rot
<i>Rhizoctonia solani</i> Kuehn	Banded sclerotial disease, <i>Rhizoctonia</i> sheath and shoot rot
<i>Rhizoctonia</i> spp.	Root rot
<i>Stagonospora sacchari</i> Lo et Ling	Leaf scorch
<i>Sclerophthora macrospora</i> (Sacc.) Thir. et alia	<i>Sclerophthora</i>
<i>Sclerospora northii</i> Weston	Leaf-splitting disease?
<i>Sclerospora sacchari</i> Miy.	Downy mildew

S. graminicola (Sacc.) Schroet
S. miscanthi Miy.

S. philippinensis Weston
S. spontanea Weston

Sclerotium rolfsii Sacc.

Schizophyllum commune Fr.

Sphacelotheca cruenta Potter

Sphacelotheca erianthi (Syd.) Mundkur

Sphacelotheca sacchari (Robeuh) Cif.

Sphacelotheca macrospora Yen et Wang

Sphacelotheca saccharicola sp. nov. Miy.

Ustilago scitaminea Syd.

Red rot of leaf sheath
Schizophyllum rot
 Smut

Smut

3. VIRUS DISEASES

Fiji

Mosaic

Streak

4. PARASITIC PLANTS

Aeginetia indica L.

Striga spp.

Thesium australe R. Br.

Bunga

Cane-killing weed

Cane-killing weed

5. ENVIRONMENTAL

Banded chlorosis

Copper deficiency

Excessive transpiration

Iron deficiency

(a) on limestone

(b) ratoons

Lightning injury

Manganese deficiency

Temperature effects on leaves

Potassium deficiency

Low or high temperatures or inundation

Droopy top

Leaf burn

Limestone chlorosis

Ratoon chlorosis

Pahala blight

Banded chlorosis

Yellowing or Yellows

6. UNDETERMINED

Bud proliferation

Bunch top

Chlorotic leaf blotch

Chlorotic streak (probably virus)

Cluster stool

Dwarf (probably virus)

Grassy shoot

Internal stalk necrosis

Leaf fleck

Leaf freckle

Leaf sheath adhesion

Leaf stipple

Midrib blotch

Multiple buds

Ratoon stunting (probably virus)

Ring mosaic (probably virus)

Sclerotic disease

Sembur

Stem galls

White stripe

Witches' broom

7. MECHANICAL

Leaf buckle

Tangle top

DISCUSSIONS

J. P. MARTIN (Hawaii): I suggest we enlarge our present Standing Committee in order to make our listing more complete and I wish you would submit names of pathologists for this purpose. I would welcome additions or deletions to the present listing so that it can be kept up-to-date. I would like to thank all the members serving on this Committee for their cooperation. You will recall that Dr. WISMER was appointed Co-Chairman of our Committee at the business meeting of the Pathology Section.

P. O. WIEHE (Mauritius): I wish to thank Mr. MARTIN and his Committee for preparing the present listing of sugar cane diseases which will be of value to all sugar cane growing countries.