SEVEN BIENNIAL REPORT OF THE STATE BOARD OF HORTICULTURE OF THE STATE OF CALIFORNIA, FOR 1899-1900

Published @ 2017 Trieste Publishing Pty Ltd

ISBN 9780649073887

Seven Biennial Report of the State Board of Horticulture of the State of California, for 1899-1900 by California State Commission of Horticulture

Except for use in any review, the reproduction or utilisation of this work in whole or in part in any form by any electronic, mechanical or other means, now known or hereafter invented, including xerography, photocopying and recording, or in any information storage or retrieval system, is forbidden without the permission of the publisher, Trieste Publishing Pty Ltd, PO Box 1576 Collingwood, Victoria 3066 Australia.

All rights reserved.

Edited by Trieste Publishing Pty Ltd. Cover @ 2017

This book is sold subject to the condition that it shall not, by way of trade or otherwise, be lent, re-sold, hired out, or otherwise circulated without the publisher's prior consent in any form or binding or cover other than that in which it is published and without a similar condition including this condition being imposed on the subsequent purchaser.

www.triestepublishing.com

CALIFORNIA STATE COMMISSION OF HORTICULTURE

SEVEN BIENNIAL REPORT OF THE STATE BOARD OF HORTICULTURE OF THE STATE OF CALIFORNIA, FOR 1899-1900



SEVENTH BIENNIAL REPORT

OF THE

STATE BOARD OF HORTICULTURE

OF THE

STATE OF CALIFORNIA,

FOR 1899-1900.



SACRAMENTO:

A. J. JOHNSTON, : : : : SUPERINTENDENT STATE PRINTING. 1901.

CALIFORNIA STATE BOARD OF HORTICULTURE.

ELLWOOD COOPERPresident
Commissioner for the Los Angeles District.
FRANK H. BUCKVice-President
Commissioner for the Napa District.
WILLIAM B. GESTER Newcastle
Commissioner for the El Dorado District.
RUSS D. STEPHENS Auditor Sacramento
Commissioner for the State at Large.
THOMAS A. RICE
Commissioner for the State at Large.
H. WEINSTOCK
Commissioner for the Sacramento District.
BEN M. MADDOXVisalia
Commissioner for the San Joaquin District.
A. BLOCK
Commissioner for the San Francisco District.
W. J. HOTCHKISS Healdsburg
Commissioner for the Sonoma District.
Secretaria.
B. M. LELONGSecretary and Chief Horticultural Officer
ALEXANDER CRAWQuarantine Officer and Entomologist

OFFICES:

State Capitol, Secramento.

Branch Office, Clay Street Dock, San Francisco.

S 39 A331 1898/1900

CONTENTS.

SUMMARY OF WORK OF THE BOARD. SPNOPSIS OF MR. COMPERE'S LABORS IN AUSTRALIA AND OTHER PLACES SYNOPSIS OF MR. COMPERE'S LABORS IN AUSTRALIA AND OTHER PLACES OENTICAN ORANGE MAGGOT. COÖPERATIVE MARKETING REMOVAL OF THE GERMAN EMBARGO. ZEMMORIALS AND RESOLUTIONS AFFECTING THE FRUIT INDUSTRY. ZEMEVIEW OF THE GERMAN EMBARGO. COORDERS, 33; Lemons, 34; Prunes, 35; Raisins, 37; Canned Fruits, 40; Dried Fruits, 43; Olives, 44; Apples, 47; Cherries, 43; Peaches, 48; Apricots, 49; Pears, 49; Figs, 49; Walnuts, 50; Almonds, 51. ACREAGE OF FRUIT IN THE STATE CORRESTS OF ALEXANDER CRAW. CONTROL OF THE STATE FRUIT-GROWERS' CONVENTION. TOWNTY-FIFTH STATE FRUIT-GROWERS' ASSOCIATION. PROCEEDINGS OF FRUIT IN THE STATE TOWNTY-FIFTH STATE FRUIT-GROWERS STATES TOWNTY-FIFTH STATE FRUIT-GROWERS STATES TOWNTY-FIFTH STATES TO		GE.
SYNOPSIS OF MR. COMPERE'S LABORS IN AUSTRALIA AND OTHER PLACES 10-17	SUMMARY OF WORK OF THE BOARD	
PLACES	SUNOPSIS OF MR COMPERE'S LABORS IN AUSTRALIA AND OTHER	9
HORTICULTURAL QUARANTINE 17-20 MEXICAN ORANGE MAGGOT 21 COÖPERATIVE MARKETING 22 REMOVAL OF THE GERMAN EMBARGO 23 MEMORIALS AND RESOLUTIONS AFFECTING THE FRUIT INDUSTRY 22-26 MEWICATIONS OF THE BOARD 25-26 REVIEW OF THE FRUIT SEASON 27-55 Oranges, 33; Lemons, 34; Prunes, 35; Raisins, 37; Canned Fruits, 40; Dried Fruits, 43; Olives, 44; Apples, 47; Cherries, 48; Peaches, 48; Apricots, 49; Pears, 49; Figs, 49; Walnuts, 50; Almonds, 51. ACREAGE OF FRUIT IN THE STATE 56 ACREAGE OF FRUIT IN THE STATE 56 PROCEEDINGS OF FIRST DAY—Annual Address of President Cooper 77 Economics of Production. By Wm. H. Mills. 33 Resolutions by R. D. Stephens. 91 Letter from Mrs. Lelsand Stanford. 91 Letter from Mrs. Lelsand Stanford. 91 Report of California Fresh Fruit in the East. By Wm. B. Gester 96 Report of Committee on Transportation. 92 Marketing of California Fresh Fruit in the East. By Wm. B. Gester 96 Report of Committee on Transportation. 107 Standing Committees 114 PROCEEDINGS OF SECOND DAY—The Year's Operations of the Cured Fruit Association. By Judge H. G. Bond. 116 Advantages of Coöperation, Transportation, etc. By A. H. Naftzger 127 Report of Nicaragua Canal Committee. 135 Forest and Irrigation. By Wm. E. Smythe 137 Future Trade Possibilities in Canned and Dried Fruits. By Isidor Jacobs. 147 Future Trade Possibilities in Canned and Dried Fruits. By Isidor Jacobs. 147 Future Trade Possibilities in Canned and Dried Fruits. By Isidor Jacobs. 147 Future Trade Possibilities in Canned and Dried Fruits. By Isidor Jacobs. 147 Future Trade Possibilities on Circus Fruits Resolution—Reciprocity Tariff on Circus Fruits. By Alex. Gordon. 165 Coöperation Among Raisin-Growers. By T. C. White OThe Raisin-Growers' Association, and Its Benefits. By Alex. Gordon. 165		17
MEXICAN ORANGE MAGGOT	HODDIOTT DID AT OUAD AND IND	-11
COÖPERATIVE MARKETING 22 REMOVAL OF THE GERMAN EMBARGO. 23 MEMORIALS AND RESOLUTIONS AFFECTING THE FRUIT INDUSTRY. 23-26 REVIEW OF THE FRUIT SEASON. 27-65 Oranges, 33; Lemons, 34; Prunes, 35; Raisins, 37; Canned Fruits, 49; Dried Fruits, 43; Olives, 44; Apples, 47; Cberries, 48; Peaches, 48; Apricots, 49; Pears, 49; Figs, 49; Walnuts, 50; Almonds, 51. 66 ACREAGE OF FRUIT IN THE STATE 66 REPORTS OF ALEXANDER CRAW. 59-73 TWENTY-FIFTH STATE FRUIT-GROWERS' CONVENTION. 77-208 PROCEEDINGS OF FRUST DAY- Annual Address of President Cooper 77 Annual Address of President Cooper 77 Economics of Production. By Wm. H. Mills. 83 Resolutions by R. D. Stephens. 91 Letter from Mrs. Leland Stanford. 91 Report of California Fresh Fruit in the East. By Wm. B. Gester 96 Marketing of California Fresh Fruit in the East. By Wm. B. Gester 96 Report of Committee on Transportation. 102 Necessity for Expedited Service for Fresh Fruit Shipments. By Alden Andreson Discussion on, Transportation 104 Discussion on Transportation 107	MEXICAN OPANCE MACCOT	94
MEMORIALS AND RESOLUTIONS AFFECTING THE FRUIT INDUSTRY 23-24 PUBLICATIONS OF THE BOARD 25-26 REVIEW OF THE FRUIT SEASON 27-65 Oranges, 33; Lemons, 34; Prunes, 35; Raisins, 37; Canned Fruits, 40; Dried Fruits, 43; Olives, 44; Apples, 47; Cberries, 48; Peaches, 48; Apricots, 49; Pears, 49; Figs, 49; Walnuts, 50; Almonds, 51. ACREAGE OF FRUIT IN THE STATE 66 REPORTS OF ALEXANDER CRAW 59-73 TWENTY-FIFTH STATE FRUIT-GROWERS' CONVENTION 77-208 PROCKEDINGS OF FREST DAY—Annual Address of President Cooper 77 Annual Address of President Cooper 87 Economics of Production. By Wm. H. Mills. 83 Resolutions by R. D. Stephens 91 Letter from Mrs. Leland Stanford. 91 Report of California Fruit Growers and Shippers' Association 92 Marketing of California Fresh Fruit in the East. By Wm. B. Gester 96 Report of Committee on Transportation. 102 Necessity for Expedited Service for Fresh Fruit Shipments. By Alden Anderson 104 Discussion on, Transportation 107 Standing Committees 114 PROCKEDINGS OF SECOND DAY— The Year'S Operations of the Cured Fruit Association. By Judge H. G. Bond. 116 Advantages of Cooperation, Transportation, etc. By A. H. Naftzger 124 Needs of Cooperation, Transportation, etc. By A. H. Naftzger 124 Needs of Cooperation, Transportation, etc. 124 Address by President Benjamin Ide Wheeler 135 Piscussion on Distribution, Transportation, etc. 134 Address by President Benjamin Ide Wheeler 135 Forest and Irrigation. By Wm. E. Smythe 137 The Canning Industry. By J. W. Nelson 143 Ladies' Auxiliary Horticultural Association. 147 Discussion on Transportation 147 Discussion on Transportation 147 Discussion on Transportation 147 Discussion on Transportation 148 Report of Committee on Exhibits. 158 Report of Committee on Foreign Consular Advices 158 Resolution—Reciprocity Tariff on Citrus Fruits 159 Cooperation Among Raisin-Growers. By T. C. White 150 Cooperation Among Ra	COÖDED ATIVE MARKETING	21
MEMORIALS AND RESOLUTIONS AFFECTING THE FRUIT INDUSTRY 23-24 PUBLICATIONS OF THE BOARD	DOMOUAT OF THE OPPMAN PROPAGO	22
PUBLICATIONS OF THE BOARD REVIEW OF THE FRUIT SEASON Oranges, 33; Lemons, 34; Prunes, 35; Raisins, 37; Canned Fruits, 40; Dried Fruits, 43; Olives, 44; Apples, 47; Cberries, 48; Peaches, 48; Apricots, 49; Fears, 49; Figs, 49; Walnuts, 50; Almonds, 51. ACREAGE OF FRUIT IN THE STATE 66 REPORTS OF ALEXANDER CRAW 59-73 TWENTY-FIFTH STATE FRUIT-GROWERS' CONVENTION 77-206 PROCKEDINGS OF FIRST DAY— Annual Address of President Cooper 77 Economics of Fresident Cooper Annual Address of President Cooper 83 Resolutions by R. D. Stephens 94 Letter from Mrs. Leland Stanford 95 Marketing of California Freit Growers and Shippers' Association 96 Report of Committee on Transportation 102 Necessity for Expedited Service for Fresh Fruit Shipments. By Alden Anderson 104 Discussion on Transportation 105 Standing Committees 114 PROCZEDINGS OF SLOOND DAY— The Year's Operations of the Cured Fruit Association. By Judge H. G. Bond. 116 Advantages of Coöperation, Transportation, etc. 115 Needs of Coöperation, Transportation, etc. 116 Advantages of Nicaragus Canal Committee. 117 Report of Nicaragus Canal Committee. 118 Discussion on Distribution, Transportation, etc. 119 Ladies' Auxiliary Horticultural Association. 120 Proczedings of Third Day— Appointment of Committee on Exhibits. 121 Report of Committee on Foreign Consular Advices 122 Report of Committee on Foreign Consular Advices 123 Resolution—Reciprocity Tariff on Citrus Fruits Resolution—Reciprocity Tariff on Citrus Fruits 124 Resolution—Reciprocity Tariff on Citrus Fruits 125 Resolution—Reciprocity Tariff on Citrus Fruits 126 Coöperation Among Raisin-Growers. By T. C. White 127 Report of Committee on Foreign Consular Advices 128 Resolution—Reciprocity Tariff on Citrus Fruits 129 Coöperation Among Raisin-Growers. By T. C. White The Raisin-Growers' Association, and Its Benefits. By Alex Gordon 185	MEMOTAL OF THE GERMAN EMBAROW.	20
REVIEW OF THE FRUIT SEASON 27-65 Oranges, 33; Lemons, 34; Prunes, 35; Raisins, 37; Canned Fruits, 40; Dried Fruits, 43; Olives, 44; Apples, 47; Cherries, 48; Peaches, 48; Apricots, 49; Pears, 49; Figs, 49; Walnuts, 50; Almonds, 51. ACREAGE OF FRUIT IN THE STATE 56 REPORTS OF ALEXANDER CRAW 59-73 TWENTY-FIFTH STATE FRUIT-GROWERS' CONVENTION 77-208 PROCREDINGS OF FIRST DAY—Annual Address of President Cooper 77 Economics of Production. By Wm. H. Mills 83 Resolutions by R. D. Stephens 91 Letter from Mrs. Leland Stanford 91 Report of California Froit Growers and Shippers' Association 92 Marketing of California Fresh Fruit in the East. By Wm. B. Gester 92 Marketing of California Fresh Fruit in the East. By Wm. B. Gester 92 Macketing of California Fresh Fruit in the East. By Wm. B. Gester 92 Macketing of California Fresh Fruit Shipments. By Alden Anderson 104 Discussion on Transportation 107 Standing Committees 114 PROCREDINGS OF SECOND DAY— The Year's Operations of the Cured Fruit Association. By Judge H. G. Bond. 116 Advantages of Coöperation, Transportation, etc. By A. H. Naftzger 127 Report of Nicaragua Canal Committee. 133 Discussion on Distribution, Transportation, etc. By A. H. Naftzger 127 Report of Nicaragua Canal Committee. 133 Discussion on Distribution, Transportation, etc. 134 Address by President Benjamin Ide Wheeler 135 Forest and Irrigation. By Wm. E. Smythe 137 The Canning Industry. By J. W. Nelson 143 Ladies' Auxiliary Horticultural Association 147 Discussion on Transportation 147 Future Trade Possibilities in Canned and Dried Fruits. By Isidor Jacobs 147 Discussion on Transportation 156 Procreenings of Committee on Exhibite. 158 Report of Committee on Foreign Consular Advices 158 Report of Committee on Foreign Consular Advices 158 Resolution—Reciprocity Tariff on Citrus Fruits 159 Coöperation Among Raisin-Growers. By T. C. White 160 The Raisin-Growers' Association, and Its Benefits. By Alex. Gordon 165	DITEL TOATIONS OF THE DOADD.	-24
Oranges, 33; Lemons, 34; Prunes, 35; Raisins, 37; Canned Fruits, 40; Dried Fruits, 43; Olives, 44; Apples, 47; Oberries, 48; Peaches, 48; Apricots, 49; Pears, 49; Figs, 49; Walnuts, 50; Almonds, 51. ACREAGE OF FRUIT IN THE STATE	DESTRUCTIONS OF THE BOARD	7-20
Fruits, 43; Olives, 44; Apples, 47; Cberries, 48; Peaches, 49; Figs, 49; Walnuts, 50; Almonds, 52. ACREAGE OF FRUIT IN THE STATE	Opening 22: Lamona 24: Dennas 25: Dairing 27: Cannad Funite 40: Dairing	r-00
REPORTS OF ALEXANDER CRAW	Fruits, 43; Olives, 44; Apples, 47; Cherries, 48; Peaches, 48; Apricots, 49; Pears, 49; Figs. 49; Walnuts, 50; Almonds, 51.	
TWENTY-FIFTH STATE FRUIT-GROWERS' CONVENTION	ACREAGE OF FRUIT IN THE STATE	56
PROCEEDINGS OF FIRST DAY— Annual Address of President Cooper Economics of Production. By Wm. H. Mills	REPORTS OF ALEXANDER CRAW) -73
Economics of Production. By Wm. H. Mills	PROCEEDINGS OF FIRST DAY-	
Economics of Production. By Wm. H. Mills	Annual Address of President Cooper	77
Letter from Mrs. Leland Stanford. 91 Report of California Froit Growers and Shippers' Association 92 Marketing of California Fresh Fruit in the East. By Wm. B. Gester 96 Report of Committee on Transportation 102 Necessity for Expedited Service for Fresh Fruit Shipments. By Alden Anderson 104 Discussion on, Transportation 107 Standing Committees 107 Standing Committees 114 PROCEEDINGS OF SECOND DAY— The Year's Operations of the Cured Fruit Association. By Judge H. G. Bond. 116 Advantages of Cooperation from a Packer's Standpoint. By Philo Hersey 124 Needs of Cooperation, Transportation, etc. By A. H. Naftzger 127 Report of Nicaragua Canal Committee. 133 Discussion on Distribution, Transportation, etc. 134 Address by President Benjamin Ide Wheeler 135 Forest and Irrigation. By Wm. E. Smythe 137 The Canning Industry. By J. W. Nelson 143 Ladies' Auxiliary Horticultural Association 147 Future Trade Possibilities in Canned and Dried Fruits. By Isidor Jacobs 147 Discussion on Transportation 155 PROCEEDINGS OF TRIED DAY— Appointment of Committee on Exhibits. 158 Report of Committee on Foreign Consular Advices 158 Resolution—Reciprocity Tariff on Citrus Fruits 159 Cooperation Among Raisin-Growers. By T. C. White 160 The Raisin-Growers' Association, and Its Benefits. By Alex. Gordon 165	Economics of Production. By Wm. H. Mills	83
Report of California Fruit Growers and Shippers' Association 92		
Marketing of California Fresh Fruit in the East. By Wm. B. Gester 96 Report of Committee on Transportation 102 Necessity for Expedited Service for Fresh Fruit Shipments. By Alden Anderson 104 Discussion on Transportation 107 Standing Committees 114 PROCEDINGS OF SECOND DAY— The Year's Operations of the Cured Fruit Association. By Judge H. G. Bond. 116 Advantages of Coöperation from a Packer's Standpoint. By Philo Hersey 124 Needs of Coöperation, Transportation, etc. By A. H. Naftzger 127 Report of Nicaragua Canal Committee. 133 Discussion on Distribution, Transportation, etc. 134 Address by President Benjamin Ide Wheeler 135 Forest and Irrigation. By Wm. E. Smythe 137 The Canning Industry. By J. W. Nelson 143 Ladies' Auxiliary Horticultural Association 147 Future Trade Possibilities in Canned and Dried Fruits. By Isidor Jacobs 147 Discussion on Transportation 156 PROCEEDINGS OF THIRD DAY— Appointment of Committee on Exhibits. 158 Report of Committee on Foreign Consular Advices 158 Resolution—Reciprocity Tariff on Citrus Fruits 159 Coöperation Among Raisin-Growers. By T. C. White 160 The Raisin-Growers' Association, and Its Benefits. By Alex. Gordon 166	Letter from Mrs. Leland Stanford	91
Report of Committee on Transportation	Report of California Fruit Growers and Shippers' Association	92
Necessity for Expedited Service for Fresh Fruit Shipments. By Alden Anderson		
Anderson		102
Discussion on Transportation 107 Standing Committees 114 PROCEDINGS OF SECOND DAY— The Year's Operations of the Cured Fruit Association. By Judge H. G. Bond. 116 Advantages of Coöperation from a Packer's Standpoint. By Philo Hersey. 124 Needs of Coöperation, Transportation, etc. By A. H. Naftzger. 127 Report of Nicaragua Canal Committee. 133 Discussion on Distribution, Transportation, etc. 134 Address by President Benjamin Ide Wheeler. 135 Forest and Irrigation. By Wm. E. Smythe. 137 The Canning Industry. By J. W. Nelson 143 Ladies' Auxiliary Horticultural Association. 147 Future Trade Possibilities in Canned and Dried Fruits. By Isidor Jacobs 147 Discussion on Transportation. 165 PROCEEDINGS OF THIRD DAY— Appointment of Committee on Exhibits. 158 Report of Committee on Foreign Consular Advices 158 Resolution—Reciprocity Tariff on Citrus Fruits 159 Coöperation Among Raisin-Growers. By T. C. White 160 The Raisin-Growers' Association, and Its Benefits. By Alex. Gordon 165		104
Standing Committees		
PROCEEDINGS OF SECOND DAY— The Year's Operations of the Cured Fruit Association. By Judge H. G. Bond. 116 Advantages of Coöperation from a Packer's Standpoint. By Philo Hersey 124 Needs of Coöperation, Transportation, etc. By A. H. Naftzger 127 Report of Nicaragua Canal Committee		
The Year's Operations of the Cured Fruit Association. By Judge H. G. Bond. 116 Advantages of Coöperation from a Packer's Standpoint. By Philo Hersey 124 Needs of Coöperation, Transportation, etc By A. H. Naftzger 127 Report of Nicaragua Canal Committee		-
Advantages of Coöperation from a Packer's Standpoint. By Philo Hersey 124 Needs of Coöperation, Transportation, etc. By A. H. Naftzger 127 Report of Nicaragua Canal Committee 133 Discussion on Distribution, Transportation, etc. 134 Address by President Benjamin Ide Wheeler 135 Forest and Irrigation. By Wm. E. Smythe 137 The Canning Industry. By J. W. Nelson 143 Ladies' Auxiliary Horticultural Association 147 Future Trade Possibilities in Canned and Dried Fruits. By Isidor Jacobs 147 Discussion on Transportation 165 PROCEEDINGS OF TRIED DAY— 168 Appointment of Committee on Exhibits 158 Resolution—Reciprocity Tariff on Citrus Fruits 158 Coöperation Among Raisin-Growers. By T. C. White 160 The Raisin-Growers' Association, and Its Benefits. By Alex. Gordon 165		116
Needs of Cooperation, Transportation, etc. By A. H. Naftzger 127	Advantages of Cooperation from a Packer's Standpoint. By Philo Hersey	124
Report of Nicaragua Canal Committee.	Needs of Cotheration, Transportation, etc. By A. H. Naftzger	127
Discussion on Distribution, Transportation, etc. 134 Address by President Benjamin Ide Wheeler 135 Forest and Irrigation. By Wm. E. Smythe 137 The Canning Industry. By J. W. Nelson 143 Ladies' Auxiliary Horticultural Association 147 Future Trade Possibilities in Canned and Dried Fruits. By Isidor Jacobs 147 Discussion on Transportation 156 Proceedings of Third Day 158 Appointment of Committee on Exhibits 158 Report of Committee on Foreign Consular Advices 158 Resolution—Reciprocity Tariff on Citrus Fruits 159 Cooperation Among Raisin-Growers By T. C. White 160 The Raisin-Growers' Association, and Its Benefits By Alex. Gordon 165		
Address by President Benjamin Ide Wheeler 135 Forest and Irrigation By Wm. E. Smythe 137 The Canning Industry By J. W. Nelson 143 Ladies' Auxiliary Horticultural Association 147 Future Trade Possibilities in Canaed and Dried Fruits By Isidor Jacobs 147 Discussion on Transportation 156 Proceedings of Third Day Appointment of Committee on Exhibita 158 Report of Committee on Foreign Consular Advices 158 Resolution—Reciprocity Tariff on Citrus Fruits 150 Codperation Among Raisin-Growers By T. C. White 160 The Raisin-Growers' Association, and Its Benefits By Alex. Gordon 185		
Forest and Irrigation. By Wm. E. Smythe		
The Canning Industry. By J. W. Nelson 143 Ladies' Auxiliary Horticultural Association 147 Future Trade Possibilities in Canned and Dried Fruits. By Isidor Jacobs 147 Discussion on Transportation 166 PROCEEDINGS OF TRIED DAY 168 Appointment of Committee on Exhibits 158 Report of Committee on Foreign Consular Advices 158 Resolution—Reciprocity Tariff on Citrus Fruits 159 Coöperation Among Raisin-Growers By T. C. White 160 The Raisin-Growers' Association, and Its Benefits By Alex. Gordon 165	Forest and Irrigation. By Wm. E. Smythe	137
Ladies' Auxiliary Horticultural Association 147 Future Trade Possibilities in Canned and Dried Fruits. By Isidor Jacobs 147 Discussion on Transportation 156 PROCEEDINGS OF TRIED DAY— 158 Appointment of Committee on Exhibita. 158 Report of Committee on Foreign Consular Advices 158 Resolution—Reciprocity Tariff on Citrus Fruits 159 Coöperation Among Raisin-Growers. By T. C. White 160 The Raisin-Growers' Association, and Its Benefits. By Alex. Gordon 165	The Canning Industry. By J. W. Nelson	143
Future Trade Possibilities in Canned and Dried Fruits. By Isidor Jacobs	Ladies' Auxiliary Horticultural Association	147
Discussion on Transportation	Future Trade Possibilities in Canned and Dried Fruits. By Isidor Jacobs	147
Proceedings of Third Day— 158 Appointment of Committee on Exhibits		
Appointment of Committee on Exhibits. 158 Report of Committee on Foreign Consular Advices 158 Resolution—Reciprocity Tariff on Citrus Fruits 159 Coöperation Among Raisin-Growers. By T. C. White 160 The Raisin-Growers' Association, and Its Benefits. By Alex. Gordon 165		
Report of Committee on Foreign Consular Advices 158 Resolution—Reciprocity Tariff on Citrus Fruits 159 Cooperation Among Raisin-Growers. By T. C. White 160 The Raisin-Growers' Association, and Its Benefits. By Alex. Gordon 165	Appointment of Committee on Exhibits	158
Resolution—Reciprocity Tariff on Citrus Fruits		
Cooperation Among Raisin-Growers. By T. C. White		
The Raisin-Growers' Association, and Its Benefits. By Alex. Gordon 165	Cooperation Among Raisin-Growers. By T. C. White	160
	The Raisin-Growers' Association, and Its Benefits. By Alex. Gordon	165

CONTENTS.

	GE.
Resolution on the Labor Question	168
Appointment of Committee on Organization	169
Resolution Demanding Improved Transportation	169
Report of Committee on President's Address	170
Resolution Asking for a Weather Bureau Employé at San José	170
Meeting of the American Pomological Society	
Report of Committee on Legislation	172
Phylloxera-Resistant Vines for California. By F. T. Bioletti	172
California Wines in France. By A. Sharboro	181
The Best Method of Reëstablishing our Vineyards. By John Markley, George Schoenwald, and J. G. Grundel	
The Need of a National Horticultural Quarantine Law. By Alexander	
Craw Protection to our Fruit Interests. By M. J. Daniels	185 187
Proceedings of Fourth Day— Action on Resolutions	
Our Export Fruit Trade and Export Packages. By B. N. Rowley	
Selecting and Handling Fruit for Eastern Shipment. By F. H. Buck	
Resolution—Preservation of Bird Life	
Resolution—Pan-American Exhibition	
Resolution—California Bureau in Washington	
Resolution—Protection for the Meadow-Lark	
Resolution—Reciprocity Treaties	197
Hybridization and Selection. By David Starr Jordan	
Resolution—Nicaragua Canal	
Standing Committees	
The California Smyrna Fig. By G. C. Roeding	
Resolutions of Respect to President Cooper	
Report of Committee on Organization of Deciduous-Fruit Growers	
REPORTS OF COUNTY BOARDS OF HORTICULTURAL COMMISSIONERS.211-	254
Alameda County, 211, 213; Contra Costa County, 214; Fresno County, 214;	
Humboldt County, 218; Kings County, 219; Lassen County, 219; Los Angeles	
County, 220, 222; Madera County, 224; Orange County, 225, 226; Placer County, 227; Riverside County, 228, 231; Sacramento County, 232, 233; San Bernardino	
County, 234, 236; Santa Barbara County, 237, 239; Santa Clara County, 241;	
Santa Cruz County, 242; San Diego County, 243, 244; Stanislaus County, 246;	
Tehama County, 247; Tulars County, 248, 249; Ventura County, 251; Yolo	
County, 253; Yuba County, 254.	

PHERRIVED SPECIMENS OF INJURIOUS INSECT PROTES, AND PLANT DEBLARES, TAKEN THOM STEAMERS AND SAILING VESSELS.

PROPAGATING BENEFICIAL INSECTS FOR GENERAL DISTRIBUTION.

REPORT.

Office of State Board of Horticulture, State Capitol, Sacramento, Cal., December 31, 1900.

To His Excellency HENRY T. GAGE, Governor, and the Honorable the Senate and Assembly of California:

We have the honor to submit herewith this, our biennial report, showing the operations of the State Board of Horticulture for the years 1899-1900.

Respectfully submitted.

ELLWOOD COOPER,
F. H. BUCK,
WM. B. GESTER,
THOS. A. RICE,
H. WEINSTOCK,
BEN M. MADDOX,
A. BLOCK,
W. J. HOTCHKISS,
R. D. STEPHENS,

Commissioners.

Attest:

B. M. LELONG, Secretary.

SUMMARY OF WORK OF THE STATE BOARD OF HORTICULTURE.

The work of the State Board of Horticulture may be divided under the heads "Entomological," "Horticultural Quarantine," "Experimental," "Publications," "Information," "Marketing," "The Introduction of Beneficial Insects," and "Remedies for Plant Pests and Diseases."

In each of these departments active and beneficial work has been done by the Board.

ENTOMOLOGICAL. being received for determination. Many of them are new species, but generally they are common ones with which the senders are unacquainted. These are all classified, their names and habits given, and, if destructive, the proper methods of checking their increase or reducing their numbers are given; if beneficial, the best methods of protecting and propagating them are furnished. By this means, farmers and fruit-growers are taught to discriminate between friend and foe, to preserve the one and to destroy the other.

This is one of the most important departments of HORTICULTURAL the Board. The greater part of our injurious insects are introduced species. In every section QUARANTINE. to which an insect is indigenous are found other insects that are parasitic upon it. This is Nature's method of preventing the overwhelming and destructive increase of any species. If. however, these destructive insects are introduced into a section where their natural enemies do not exist, their increase, being unchecked, is alarming and their destructiveness unlimited. Instances of this are seen in the work of the Gypsy Moth in Massachusetts, the spread of Aspidiotus perniciosus over a large portion of the Eastern States, and the destructive work of Icerya purchasi and other pests introduced into California before the establishment of our Horticultural Quarantine System. Under this system all plants, trees, shrubs, fruits, etc., coming into the State are carefully inspected by competent entomologists, and if found infested with pests not found in the State, they are returned to the point of shipment or destroyed; and if found infested with insects already here, are fumigated. Every foreign vessel arriving in any of