

**TENTH ANNUAL REPORT  
OF THE STATE BOARD  
OF FORESTRY, 1910**

Published @ 2017 Trieste Publishing Pty Ltd

ISBN 9780649480814

Tenth Annual Report of the State Board of Forestry, 1910 by Chas. C. Deam

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](http://www.triestepublishing.com)

**CHAS. C. DEAM**

**TENTH ANNUAL REPORT  
OF THE STATE BOARD  
OF FORESTRY, 1910**



STATE OF INDIANA

---

TENTH ANNUAL REPORT

OF THE

State Board of Forestry

1910

CHAS. C. DEAM, Secretary

---

To the Governor

---

INDIANAPOLIS:  
WM. H. BURFORD, CONTRACTOR FOR STATE PRINTING AND BINDING  
1911

THE STATE OF INDIANA,  
EXECUTIVE DEPARTMENT,  
DECEMBER 1, 1910.

Received by the Governor, examined and referred to the Auditor of State for verification of the financial statement.

---

OFFICE OF AUDITOR OF STATE,  
INDIANAPOLIS, December 2, 1910.

The within report, so far as the same relates to moneys drawn from the State Treasury, has been examined and found correct.

W. H. O'BRIEN,  
*Auditor of State.*

---

DECEMBER 2, 1910.

Returned by the Auditor of State, with above certificate, and transmitted to Secretary of State for publication, upon the order of the Board of Commissioners of Public Printing and Binding.

MARK THISTLETHWAITE,  
*Secretary to the Governor.*

---

Filed in the office of the Secretary of State of the State of Indiana, December 2, 1910.

L. G. ELLINGHAM,  
*Secretary of State.*

---

Received the within report and delivered to the printer December 6, 1910.

A. E. BUTLER,  
*Clerk Printing Board.*

## Letter of Transmittal.

---

INDIANA STATE BOARD OF FORESTRY.

INDIANAPOLIS, INDIANA,

December 1, 1910.

*Hon. Thomas R. Marshall:*

Sir—As required by Section 4 of the Act establishing a State Board of Forestry, approved March 1, 1901, we submit herewith the Tenth Annual Report of the Board of Forestry, beginning with October 1, 1909, and ending with September 30, 1910.

Very respectfully,

SAMUEL BURKHOLDER, President.

CHAS. C. DEAM, Secretary.

## Indiana State Board of Forestry.

---

### OFFICIAL MEMBERS, 1910.

SAMUEL BURKHOLDER, President.....	Crawfordsville.
STANLEY COULTER.....	Lafayette.
ARTHUR S. NOWELS.....	Columbia City.
WILLIAM W. WALTMAN.....	Morgantown.
CHAS. C. DEAM, Secretary.....	Bluffton.
NORA M. SLATTERY, Stenographer.....	Crawfordsville.

### OFFICE OF SECRETARY.

Room 121, State House, Indianapolis.



## Contents.

INTRODUCTION.	
RESERVATION.	<i>Page.</i>
(1) Introduction.....	12
(2) Experimental tracts.....	14
(3) Woodland area of the reservation.....	40
(4) Field planting in 1910.....	46
(5) Field cultivation.....	46
(6) Pruning.....	47
(7) Growth.....	48
(8) Forest cleaning.....	49
(9) Insects.....	49
(10) Forest fires.....	51
(11) Hunting.....	51
(12) General improvements.....	51
(13) Visitors.....	52
(14) Receipts from sales.....	53
OFFICE WORK.....	54
(1) Introduction.....	54
(2) Correspondence.....	54
(3) Requests for Annual reports.....	54
(4) Mailing lists.....	55
(5) Library.....	55
(6) Press bulletins.....	55
(7) Field work.....	71
SHADE TREES, by Chas. C. Deam.....	89
WOODLOT CONDITIONS AND POSSIBILITIES II, by Stanley Coulter.....	126
PHENOLOGICAL RECORDS FOR INDIANA.....	136
BIBLIOGRAPHY OF INDIANA FORESTRY.....	140
FIRE LAWS OF INDIANA.....	148

## List of Illustrations.

PLATE—	<i>Page.</i>
1. White Ash in tract 1B at reservation.....	17
2. Black Walnut in tract 4 at reservation.....	21
3. White Ash in tract 36 at reservation.....	37
4. Shows how wounds heal on the White Ash.....	47
5. Terminal of young Hickory cut off by twig girdler.....	50
6. Successful contestants in prize essay offer.....	60
7. Shows the result of not pruning Catalpa.....	78
8. Shows that Catalpa will not readily self prune.....	80
9. A thirty-five year old Walnut planting.....	81
10. Shows excessive pruning of Catalpa.....	83
11. Shows the number of bag worm cocoons on some of the Black Locust twigs in a planting near Vernon.....	86
12. Shows how the old cocoons of the bag worm constricted the twigs of the Black Locust in a planting near Vernon.....	87
13. Barren and treeless condition of many school yards.....	90
14. Koelreuteria as a shade tree along a street in New Harmony.....	102
15. Shows the work of the tree surgeon in Indianapolis.....	106
16. Shows the decay on the trunk of a large tree.....	107
17. Shows the same tree after the tree surgeon had completed his work.....	108
18. Shows characteristic pruning of large maples, and the results.....	109
<b>DRAWING—</b>	
1. Shows good and bad pruning.....	112
2. Shows the effect of removing the limbs from a shade tree that was permitted to head too low.....	114
3. Shows methods used for supporting the fork of a tree and for fastening guy wires to a tree.....	116

