

**TRANSACTIONS OF THE WISCONSIN
STATE HORTICULTURAL SOCIETY.
PROCEEDINGS, ESSAYS,
AND REPORTS AT THE ANNUAL WINTER
MEETING, HELD AT MADISON,
FEBRYARY 2, 3, AND 4, 1875**

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WISCONSIN STATE HORTICULTURAL SOCIETY

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AT THE

ANNUAL WINTER MEETING,

HELD AT MADISON, FEBRUARY 2, 3, AND 4, 1875.



MADISON, WIS.:
E. B. BOLENS, STATE PRINTER.

1875.

LIST OF OFFICERS.

1875.

PRESIDENT.	
A. G. TUTTLE, - - - - -	BARABOO.
VICE-PRESIDENT.	
J. M. SMITH, - - - - -	GREEN BAY.
RECORDING SECRETARY.	
F. W. CASE, - - - - -	MADISON.
CORRESPONDING SECRETARY.	
E. H. BENTON, - - - - -	LE ROY.
TREASURER.	
G. A. MASON, - - - - -	MADISON.

STANDING COMMITTEES.

EXECUTIVE.	
J. M. SMITH, - - - - -	GREEN BAY.
HON. M. ANDERSON, - - - - -	CROSS PLAINS.
H. M. THOMPSON, - - - - -	ST. FRANCIS.
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1st District—H. M. THOMPSON, - - - - -	ST. FRANCIS.
2d District—J. C. PLUMB, - - - - -	MILTON.
3d District—E. H. BENTON, - - - - -	LE ROY.
4th District—S. B. LOOMIS, - - - - -	LONE ROCK.
5th District—E. W. DANIELS, - - - - -	AUBORAVILLE.
6th District—M. L. CLARK, - - - - -	NEW LISBON.
7th District—D. HUNTLEY, - - - - -	APPLETON.
8th District—B. F. FELCH, - - - - -	AMHERST.
9th District—E. WILCOX, - - - - -	TREMPEALEAU.
10th District— - - - - -	
11th District—SAMUEL ROUNSEVILLE, - - - - -	SHEBOYGAN FALLS.
12th District—J. M. SMITH, - - - - -	GREEN BAY.
NOMENCLATURE.	
J. C. PLUMB, - - - - -	MILTON.
B. B. OLDS, - - - - -	CLINTON.
W. FINLAYSON, - - - - -	MAZOMANIE.
JAMES BARR, - - - - -	JEFFERSON.

PREFACE.

9-20-39-763-111
The attendance at the annual meeting of the Society, with the record of which this volume is mainly occupied, was somewhat affected by severe storms. This, however, detracted little from the value of the proceedings. Many of the papers read will be found of great practical value to all horticulturists in the State. While keeping most prominent the Fruit-Growing interest, it will be noticed that more than the usual attention has been given to Flower and Plant culture.

This volume has not been issued as promptly as would have been desirable. For this delay the writer is to blame. Not only is no blame to be attached to the present Recording Secretary, but it is due him to say that he has voluntarily done all in his power to aid in preparing the work for the press, although, by custom, this duty belonged to the writer. The State Printer has also promptly done his work when furnished "copy." In thus assuming the responsibility and blame for an annoying delay, it is only hoped that it will be believed that this delay was not caused by willful neglect nor lack of interest in the Society and its work.

The Society is under obligation to Secretary Case for revising a number of valuable papers, in addition to those read at the meeting, for insertion in this volume. Free use has also been made in preparing the abstract of the discussion at the annual meeting of an excellent report made by him for the *State Journal*.

G. E. MORROW.

CHICAGO, ILL., September 16, 1875.

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LIST OF MEMBERS.

1875.

<p>Adams, B. F. Madison. Anderson, M. Pine Bluff.</p> <p>Bennett, P. S. Appleton. Benton, E. H. Le Roy.</p> <p>Case, F. W. Madison. Cate, G. W. Amherst.</p> <p>Daniels, E. W. Auroraville. Dwinell, J. B. Lodi.</p> <p>Emmons, J. W. Magnolia.</p> <p>Fenelon, C. M. Waupaca. Finlayson, Wm. Mazomanie. Fisher, O. W. Waunakee.</p> <p>Gibbs, Charles. Abbotsford Quebec Greenman, C. H. Milton. Graves, S. W. Rutland.</p> <p>Hambright, C. M. Beaver Dam. Hirschinger, Chas. Baraboo. Hawes, Jasper. Madison.</p> <p>Kellogg, G. J. Janesville. Knight, Ed. Sun Prairie.</p> <p>Laing, Alex. Milwaukee. Loomis, S. B. Lone Rock. Lund, N. F. Madison. Lindsay, Richard. Lodi.</p>	<p>Lawrence, F. S. Janesville.</p> <p>Mathews, B. A. Knoxville, Iowa. Morrow, G. E. Chicago, Ill.</p> <p>Olds, B. B. Clinton.</p> <p>Parks, J. W. Dodge's Corners. Plumb, J. C. Milton. Putnam, G. W. Ash Ridge. Peffer, G. P. Pewaukee. Palmer, N. N. Brodhead. Phillips, A. J. West Salem. Perry, Caleb. Beaver Dam.</p> <p>Reid, Wm. North Prairie. Rounseville, Sam. Sheboygan Falls.</p> <p>Smith, J. M. Green Bay. Smith, Edwin Strong's Prairie. Sumner, C. A. Baraboo. Stickney, J. S. Wauwatosa. Seymour, A. N. Mazomanie.</p> <p>Tuttle, A. G. Baraboo. Tuttle, A. C. Baraboo. Thompson, H. M. St. Francis.</p> <p>Vasey, F. T. Louisville.</p> <p>Witson, David. Madison. Wilcox, E. Trempeleau.</p>
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HONORARY.

Life—Dr. Joseph Hobbins, Ex-President, F. G. S., Corresponding Member Royal Horticultural Society, England, Madison; O. S. Willey, Ex-Recording Secretary; Benton Harbor, Michigan.

Annual—H. D. Emory, Chicago; — Whiting, Franklin Grove, Ill.; L. Woodard, Marengo, Ill.; Mrs. I. H. Williams, Madison; Mrs. H. M. Lewis, Madison; Mrs. J. M. Smith, Green Bay.

FRUIT-LISTS.

APPLES.

Five Varieties, Hardiness Only Test.—Tetofski, Duchess of Oldenburg, Haas, Plumb's Cider, Fameuse.

List For General Cultivation.—Tetofski, Duchess of Oldenburg, Haas, Plumb's Cider, Fameuse, Walbridge, Red Astrachan, Utter, Westfield Seek-no-Further, Ben Davis, Talman Sweet, St. Lawrence, Willow Twig, Pewaukee.

GRAPES.

General List.—Delaware, Concord, Lindley, Wilder, Salem, Agawam, Janesville, Worden, Eumelan.

For Trial.—Israella, Rogers' No. 3, Massasoit.

RASPBERRIES.

For General Cultivation.—Philadelphia, Davison's Thornless, Doolittle, Miami, Fastolf and Brinkle's Orange, if protected in winter.

STRAWBERRIES.

For General Cultivation.—Wilson's Albany.

For Trial.—Charles Downing, Burr's New Pine, Boyden's No. 30, Arena, Green Prolific, Kentucky.

PEARS.

For Trial.—Flemish Beauty, Ananas d'Ete, Early Bergamot, Bartlett, Swan's Orange, Seckel, Winter Nellis, Clapp's Favorite.

PLUMS.

For Trial.—Lombard, Imperial, Egg, Magnum Bonum, Hinkley, (or Miner,) Yellow Egg, Eldridge, Duane's Purple.

EVERGREENS.

For General Cultivation.—Norway Spruce, White Pine, Arbor Vitae, Scottish Pine, Balsam.

For Ornamental Planting.—Austrian Pine, Hemlock, Siberian Arbor Vitae, Red Cedar.

For Timber.—European Larch.

CONSTITUTION AND BY-LAWS.

Adopted at the Annual Meeting in February, 1898.

CONSTITUTION.

ARTICLE I.—This Society shall be known as the Wisconsin State Horticultural Society.

ARTICLE II.—Its object shall be the advancement of the science of Pomology and the art of Horticulture.

ARTICLE III.—Its members shall consist of *Annual* members paying an annual fee of one dollar; of *Life* members paying a fee of ten dollars at one time, and of *Honorary* members, who shall only be members of distinguished merit in horticultural or kindred sciences, or who shall confer any particular benefit upon the society, who may by vote be invited to participate in the proceedings of the Society.

ARTICLE IV.—Its officers shall consist of a President, Vice-President, Recording Secretary, Corresponding Secretary, Treasurer and an Executive Board, consisting of the foregoing officers and the ex-President, and *three* members to be elected annually; five of whom shall constitute a quorum at any of its meetings.

In addition to the foregoing officers, the president and secretaries of all local societies shall be deemed *ex-officio* members of the Executive Board.

All officers shall be elected by *ballot*, and shall hold their office for *one* year thereafter, and until their successors are elected.

ARTICLE V.—The society shall hold annual meetings, commencing on the first *Tuesday* of February, for the election of officers, for discussions, and for the exhibition of *fruits*; also, one meeting during the fall, for the exhibition of fruits, and for discussions, at such time and place as the Executive Board shall designate.

ARTICLE VI.—This Constitution may be amended at any regular meeting by a two-thirds vote of the members present.

BY-LAWS.

I. The President shall preside at meetings, and with the advice of the secretary, call all meetings of the society, and have a general superintendence of the affairs of the society, and shall deliver an annual address, upon some subject connected with horticulture.

II. The Vice-President shall act in the absence or disability of the President, and perform the duties of the chief officer.

III. The secretaries of local societies shall, by correspondence and personal intercourse with the horticulturists of their respective districts, obtain accurate information of the condition and progress of horticulture, and report to this society.