

**TRANSACTIONS OF THE WISCONSIN
STATE HORTICULTURAL SOCIETY.
PROCEEDINGS, ESSAYS
AND REPORTS AT THE ANNUAL WINTER
MEETING. HELT AT MADISON, FEBRUARY
3, 4 AND 5, 1874**

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Transactions of the Wisconsin State Horticultural Society. Proceedings, Essays and Reports at the Annual Winter Meeting. Held at Madison, February 3, 4 and 5, 1874 by G. E. Morrow

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G. E. MORROW

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AT THE
ANNUAL WINTER MEETING.

Held at Madison, February 3, 4 and 5, 1874.

COMPILED BY G. E. MORROW, SECRETARY.

MADISON, WIS. :
ATWOOD & CULVER, PRINTERS AND STEREOTYPERS.
1874.

LIST OF OFFICERS.

1874.

PRESIDENT.

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VICE PRESIDENT.

A. G. TUTTLE, - . - - - BARABOO.

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CORRESPONDING SECRETARY.

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TREASURER.

G. A. MASON, - - - - - MADISON.

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NOMENCLATURE.

J. C. PLUMB, - - - - - MILTON.

A. G. TUTTLE, - - - - - BARABOO.

W. FINLAYSON, - - - - - MAZOMANIE.

JOHN BARR, - - - - - JEFFERSON.

PREFACE.

THE Annual Meeting of the Wisconsin State Horticultural Society, at Madison, February 3-5, 1874, was the best attended and in many respects the most important meeting held by the Society since its organization. To the publication of the proceedings of this meeting—the addresses delivered, papers read, discussions held, fruit lists adopted—this volume is mainly devoted.

The society very properly gives its main attention to fruit growing, and to fruit growing by the masses of the people. The unparalleled injury to fruit trees and vines in the winter of 1872-73, and the consequent discouragement among the people, made the action of the society at its recent meeting, especially important. In carefully prepared papers and reports, and in earnest discussion, a larger number of facts of value to fruit growers in Wisconsin than have ever before been collected were presented. With these to aid them intending fruit growers can plant trees with greater assurance of success than ever before.

The society also gives attention to encouragement of the cultivation of flower and vegetable gardens, shade, ornamental and timber trees. Each of these topics received appropriate attention in the transactions.

For more convenient reference the Addresses, Papers and principal Reports have been separated from the various transactions and discussions. The opinions expressed are those of individuals not of the Society unless expressly endorsed. Differences of opinion will be found, because none have perfect knowledge. Apparent conflict of facts will be found because we cannot know all the circumstances.

The varieties of fruits recommended are not designed to be planted indiscriminately. With all the facts attainable they are believed to be the best that can be recommended for use in most localities. Modified by local experience they will be of much value to planters.

The value of such volumes depends greatly on the promptness with which they are issued. This is especially true of the present volume, and the Horticulturalists of the State are to be congratulated on the fact that the State Printers have been able to issue it in time to be circulated and read before the season for planting opens.

G. E. MORROW,
Rec. Sec'y.

MADISON, WIS.

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LIST OF MEMBERS.

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LIST OF MEMBERS.

1874.

Adams, B. F..... Madison.	Lamb, S. C..... Waupun.
Adams, Isaac..... Door Creek.	Lawrence, F. S..... Janesville.
Anderson, M..... Pine Bluff.	Lewis, Sam'l..... Lake Mills.
Andrews, Wm. W... Cascade.	Lund, Gen. N. F... Madison.
Aspinwall, J. C.... Oregon.	
	Mason, Geo. A..... Madison.
Bennett, Rev. P. S. Appleton.	Morrow, Geo. E.... Madison.
Benton, E. H..... Leroy.	Mygatt, Dr. E. G... Richmond, Ill.
Brainard, James... Oshkosh.	
	Palmer, N. N..... Brodhead
Crawford, A..... Clinton.	Parks, J. W..... Dodge's Corner.
Cole, W. H..... Brodhead.	Peffer, Geo. P..... Pewaukee.
	Perry, Caleb..... Beaver Dam.
Daniells, Prof. W.W. Madison.	Plumb, J. C..... Milton.
Davis, W. B..... Madison.	Plumb, M. J..... Milton.
	Ringrose, Geo. W.. Wauwatosa.
Finlayson, Wm.... Mazomanie.	Robbins, Geo..... Mazomanie.
Forster, W. J. C... Milwaukee.	
	Sabin, R. B..... Sparta.
Greenman, C. H.... Milton.	Scribner, Wm..... Rosendale.
Graves, S. W..... Rutland.	Seymore, A. N.... Mazomanie.
	Sherman, A..... Janesville.
Ham, O. K..... Leeds Center.	Smith, J. M..... Green Bay.
Hambright, C. M... Beaver Dam.	Smith, J. Y..... Madison.
Hayes, Rev. J. M... West Salem.	Stickney, J. S..... Wauwatosa.
Higgins, S. B..... Baxter, Iowa.	Stiemfort, H..... Lake Mills.
Hirschinger, Chas. Baraboo.	Sumner, C. A..... Baraboo.
Holle, I. J..... Oshkosh.	
Holt, M. A..... Madison.	Thompson, H. M... St. Francis.
Howie, John..... Waunakee.	Towers, W. P..... Madison.
Hoxie, B. S..... Cookville.	Tuttle, A. G..... Baraboo.
Hunt, Sam..... Evansville.	Tuttle, A. C..... Baraboo.
	Vasey, F. T..... Louisville.
Innis, W. T..... West Rosendale.	
Jennings, W. J.... Rosendale.	Walters, C..... Springfield.
Kellogg, G. J..... Janesville.	Wilcox, E..... Trempealeau.
Knight, E..... Sun Prairie	

HONORARY MEMBERS.

Life.—Dr. Joseph Hobbins, F. G. S. correspondent member Royal Horticultural Society, England, Madison; O. S. Willey, Madison.
Annual.—Hon. W. C. Flagg, Moro, Ill., Secretary American Pomological Society; P. A. Jewell, Lake City, Minn.; J. S. Harris, La Crescent, Minn.; L. Woodard, Marengo, Ill.

NURSERYMEN, FLORISTS AND GARDNERS

OF WISCONSIN.

[An Incomplete List.]

- Atwood, Isaac, gen'l nursery, Lake Mills.
 Becker, John, florist, Milwaukee.
 Baumgarten, florist, Milwaukee.
 Bainerd, J., nursery, fruits and vegetables, Oshkosh.
 Backhaus, G., veg'ble garden, Milwaukee.
 Barney, J. B., apple trees, Mazomanie.
 Brotherhood, Wm., veg. garden, Milwaukee.
 Baker, J. A. & Co., apple trees, Durand.
 Bell, H. G., general nursery, Black Earth.
 Benton, E. H., Leroy.
 Bennett & Briggs, Appleton.
 Bush, Isador & Son, gen'l nur'y, Bushberry.
 Butler & Holmes, general nursery, Sparta.
 Barber, J., Miner plums, Lancaster.
 Conger & Son, gen'l nursery, Whitewater.
 Crawford Bros. & Co., general nursery, Wau-paca and Chilton.
 Clark, M. L., apple trees, New Lisbon.
 Chase, Edmund, apple trees, Oshkosh.
 Colwell, bedding plants, Janesville.
 Carter, G. W., general nursery, Waterloo.
 Dunlap, J. W. & Son, florist, Milwaukee.
 Daniels, S. W., apple trees, Auroraville.
 Daniels, Milwaukee.
 Doyle, L. H., apple trees, Doyleville.
 Edwards, Sam'l, Jr., forest evergreens, Green Bay.
 Ellwood & Bro., gen'l nursery, Dodgeville.
 Elmer, Ada, vegetable garden, Milwaukee.
 Feidkamp, B., vegetable garden, Milwaukee.
 Freytag, Jacob, florist, Milwaukee.
 Fields, H. C., apple trees, Oesso.
 Floyd, H., apple trees, Berlin.
 Flint, W. S., apple trees, Princeton.
 Flian, H., apple trees, Watertown.
 Freiburg & Hatch, apple trees, Ithaca.
 Finlayson, W., gen'l nursery, Mazomanie.
 Farr, A. W., forest evergreens, New London.
 Felch, B. F., apple trees, Stevens Point.
 Greenman, McGraw & Day, general nursery, Whitewater.
 Gould Nursery, gen'l nur'y, Beaver Dam.
 Greenman, C. H., grapes, Milton.
 Gagan, P. & Co., apple trees and evergreens, Janesville.
 Gewicke, Mrs., florist, Madison.
 Gray, John W., crab trees, Trempealeau.
 Gebhardt, Heinrich, florist and vegetable gardener, Milwaukee.
 Gott, Richard & Co., nursery and small fruits, Waupun.
 Hirschinger, C. H., apple trees, Baraboo.
 Hoppenrath, C., florist and vegetable garden-er, Milwaukee.
 Hortung, Michael, florist, Milwaukee.
 Hessler, Herman, florist, Milwaukee.
 Hielop, dealer, green house, Milwaukee.
 Hamilton, C. & Son, general nursery, Ripon.
 Harger, Salamina & Bro., general nursery, Bloomington.
 Hotte, I. J., dealer, Oshkosh.
 Hunt, S., apple trees, Evansville.
 Howie, J. & W., apple trees, Waunakee.
 Hake, D. A., apple trees, Jefferson.
 Holt, M. A., general nursery, Madison.
 Jewett, A. H., forest evergreens, Sparta.
 Jones, A. F., florist, Fond du Lac.
 Kestner, C., vegetable gardener, Milwaukee.
 Kitzrow, W., florist, Milwaukee.
 Kellagg, G. J., general nursery, Janesville.
 Loudon, F. W., general nursery, Janesville.
 Lefebvre, A., vegetable garden, Milwaukee.
 Mars, C. & Son, veg. gardener, Milwaukee.
 Mornbary, Frederick, florist, Milwaukee.
 Middlemas, A., florist, Milwaukee.
 Miles, Isaac, florist, Oshkosh.
 Neferman, John, veg. garden, Milwaukee.
 Osborn, J. H., green house, Oshkosh.
 Oertel, Louis, vegetable gardener, Milwan-kee.
 Pollard, Joseph, florist, Milwaukee.
 Petty, J., gardener, La Crosse.
 Plumb, J. C., general nursery, Milton.
 Pluney & Co., evergreens, Sturgeon Bay.
 Palmer, H., Fond du Lac.
 Peffer, G. P., general nursery, Pewaukee.
 Putnam & Hutton, apple trees, Ash Ridge.
 Palmer, N. N., general nursery, Brodhead.
 Perkins, Josiah, apple trees, Prairie du Sac.
 Reed, W., apple trees, North Prairie.
 Roe, J. P., vegetables and grapes, Oshkosh.
 Roberts, H. G., florist, Janesville.
 Richardson, Mrs. J. B., general nursery, She-boyan Falls.
 Rote, Lewis, general nursery, Monroe.
 Stelufort, general nursery, Lake Mills.
 Smith, J. M., vegetable garden, Green Bay.
 Stickney & Baumbach, general nursery, Wauwatosa.
 Smith, Gustave, veg. garden, Milwaukee.
 Saese, Ferdinand, florist, Milwaukee.
 Scherr, Geo., florist, Milwaukee.
 Schmidt, Herman, florist, Milwaukee.
 Scherrnacher, C. W., florist, Milwaukee.
 Sabin, R. B. & Co., gen'l nur'y, Sparta.
 Sparks, H. S., Trempealeau.
 Smith, G. N., cranberry plants and seeds, Berlin.
 Smith, G. E., grapes and vegetables, Berlin.
 Swain, S. G., apple trees, Baraboo.
 Strever, W., green house, Oshkosh.
 Seymour, A. N., apple trees, Mazomanie.
 Thompson, H. M., gen. nursery, St. Francis.
 Twiat, L. & Son, apple trees, Loganville.
 Tuttle, A. G., general nursery, Baraboo.
 Telfr, A., Elroy.
 Thomann, Casper, florist, Milwaukee.
 Thiedmann, Wm., veg. garden, Milwaukee.
 Tinker, John, apple trees, Clarkon.
 Treat, R. C., cranberries, Princeton.
 Tubbs, J. L., Elkhorn.
 Uecke, Jno., forest evergreens, Green Bay.
 Vocke, J., Green Bay.
 Vasey, F. T., general nursery, Lonsville.
 Warner, apple trees, Baraboo.
 Westing, John, veg. gard'n'r, Milwaukee.
 Wilms, John C., veg. gard'n'r, Milwaukee.
 Whitnail & Ellis, florists, Milwaukee.
 Wiesner, Frederick, florist, Milwaukee.
 Wiliam, J. C., florist, Milwaukee.
 Williams, J., florist, Milwaukee.
 White, Albert, apple trees, Maunton.
 Wilcox, E. & Son, apple trees, Trempealeau.
 Waite, M. C., dealer, Baraboo.
 Waters, Charles, apple trees, Springville.
 Williams, J. E., florist, Madison.
 Wilcox, J. & Son, Omro.

FRUIT LISTS.

(Adopted by Society February, 1874.)

APPLES.

Five Varieties Hardness 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.

(See Discussion—Pages 171-175.)

GRAPES.

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

For Trial.—Israella.

RASPBERRIES.

For General Cultivation.—Philadelphia, Davison's, Thornless, Doolittle, Miami.

Pastollf and Brinkle's Orange, *if protected in winter.*

STRAWBERRIES.

For General Cultivation.—Wilson's Albany, Green Prolific.

For Trial.—Peak's Emperor, Charles Downing, Reed's Late Pine, Victory, Burn's New Pine, Boyden's No. 30, Arena.

(Adopted in 1873.)

Lack of time prevented revision of following lists. They are inserted as the action of the society at meeting in February, 1873.

PEARS.

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

PLUMS.

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

EVERGREENS.

For General Cultivation.—Norway Spruce, White Pine, Arbor Vitæ, Scotch Pine, Balsam.

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

For Timber.—European Larch.