Our 100 Years of Seminars
(Jan. 13, 1913 - 2013):
Honoring the Centennial and the Early Years

Neil Anderson,
Associate Professor
Floriculture

Photos of Seminar Book: Echo Martin
Glass Plate Development: Neil Anderson

Three School of Agriculture horticulture students working in the greenhouse in 1900. Left to right, Clara Wickstrom, Alma Elson and Elizabeth Biery.
(Photo courtesy School of Agriculture archives and Gerald McKay)
LeRoy Cady, Acting Chairman, 1910-1913
- He also taught floriculture, ornamental Horticulture classes
- He died in 1923 (age 44) of pneumonia while preparing a State Fair floral show

On January 13, 1913 the first meeting of the Horticultural Seminar was called by a temporary committee composed of A. Aamodt, R. M. Peterson, and W. D. Yalleau for the purpose of deciding upon the general policy to be followed by the Seminar.

The purpose of this Seminar is to bring together students and faculty members interested in horticulture for general discussions of the literature and the problems pertaining to this field of work.

The officers shall consist of a chairman, to hold office for one semester, a program committee consisting of the chairman and two other members, holding office for the same time; an auditor, treasurer to hold office for two semesters.

Elective to be held the first Monday in January and May.

Meeting will be held every Monday evening at 7:00 P.M., the first meeting occurring on the first Monday in October, the last on the first Monday in May.

The meeting shall consist of review of literature, assigned by the program committee, pertaining to the topic of the evening to be followed by a general informal discussion of the topic and any other subject of interest may be brought up for discussion.

In order to become acquainted with the varieties of fruit, Prof. Hall offered to furnish through the department some variety of fruit for each meeting. A discussion of the history, culture, and commercial value of the fruit will be given by one of the members, and the quality of the fruit tested by all members present.

Appointments Jan 13, 1913.

Chairman: W. D. Yalleau
Program Committee: Frank Daniels
Frank Primeier
Alfred G. Rubini.
1st Meeting Jan 13, 1913
Topic: Organization of the Seminar
Fruit: Kumquats

Depts Chair
-M.J. Dorsey, Assoc. Prof, Fruit breeding
-W.G. Brierley, Fruit Physiology
-Richard Wellington, Vegetable Breeding (included potatoes)
-R.S.. Mackintosh, Extension Horticulturist

Student Ass’lt.
-Hired in 1916 as an Instructor to teach general horticulture

Student Instructor, $722.50/yr)

Dept. Chair

Created by the
Dept of Horticultural Science
University of Minnesota
Cucumber breeding, 1913-1916
Richard Wellington
Prunus hybrids
M.J. Dorsey?
Minutes, Board of Regents, June 11, 1913

MEETING OF THE AGRICULTURAL COMMITTEE
July 9, 1913.

A meeting of the Agricultural Committee was held in the office of the President July 9th, 1913, at nine-thirty o'clock.

Present: Regent Rice, presiding; Regents Nelson, John G. Williams, M. M. Williams, Vincent and Dean Woods.

Voted to accept the following resignation:
Delilah Pearce as Instructor in Nursing, Department of Agriculture, effective July 31st, 1913.

Voted to approve the following appointments:
Alva Hartley Benton as Assistant Professor of Farm Management for one year beginning August 1st, 1913, at a salary of $1,800.
Dr. John T. E. Dinwoodie as Veterinary Assistant with the rank of Instructor for one year beginning August 1st, 1913, at a salary of $1,400.
Rollin M. Pease as Instructor in Music in the School of Agriculture for six months beginning October 1st, 1913, at a salary of $1,000.

C. O. Rost as Instructor in Soils for one year beginning August 1st, 1913, at a salary of $1,500.

J. J. Willman as Instructor in Chemistry for one year beginning August 1st, 1913, at a salary of $1,000.

William Dietrich as Animal Husbandman at Crookston beginning August 1st, 1913, at a salary of $1,800.

Alex Carlyle as Assistant in Plant Breeding with the rank of Instructor, for one year beginning August 1st, 1913, at a total salary of $1,200 a year, $500 to be paid by the University, $300 by the United States Department of Agriculture, and $400 by the Minnesota Crop Improvement Association.

M. S. Larson as Assistant in the Traction Engineering School for one month beginning May 10th, 1913, at a salary of $80.

G. P. Plaisance as Computer in Animal Nutrition from June 1st to September 1st, 1913, at a salary of $100 a month.

Dorsey Vallee as Student Assistant in Horticulture from June 1st to October 1st, 1913, at a salary of $100 a month.

J. Collar and T. S. Hansen as Student Assistants in Forestry at Cloquet from June 1st to September 15th, 1913, at $60 a month.

W. L. Cavert, S. B. Cleland, L. Robertson and S. H. Thompson in the farm management survey work in Rice County for two-thirds of a month (continuation of service) beginning July 1st, 1913, at salaries of $66.66, $40.00, $33.33, and $33.33 respectively.

Peterson J. Olson to take care of Mr. Bull's Summer School work for the month of July at a salary of $100.

Voted to authorize the following increases of salary:
Dr. C. C. Lipp, $200.
M. J. Dorsey, $300.
P. Raymond McKinley, $100.
DeForest Hungerford, $100.
Mrs. Mattie Tozer from $50 to $75 a month beginning August 1st, 1913.

Voted to grant to C. P. Bull leave of absence for one year without salary beginning August 1st, 1913, in order that he may assume the management of the National Corn Exposition.

Voted to authorize the following trips outside the state:

N. E. Chapman to represent the University at the meeting of the American Association of Instructors and Investigators in Poultry Husbandry at New Brunswick, N. J., August 18, 19 and 20, the expenses not to exceed $65, to be charged to Budget 263.

E. T. O'Leary to visit the greenhouses at Madison, Urbana, and possibly at Chicago, the expenses not to exceed $65, to be charged to Budget 263.

Le Roy Cady to visit the International Poultry Association, the expenses not to exceed $25, to be charged to Budget 263.

Voted to refer to Regents Rice and Nelson the plan submitted for the revision of the Waspeca Demonstration Farm and Experiment Station.

Voted to approve the plan of building a model farmhouse at the University Farm and the soliciting of contributions for this purpose.

Voted to recommend that in connection with securing the right-of-way for the trolley line, land adjacent to the University farm property be secured and paid for out of funds available for the purchase of additional land.

Voted to approve the purchase of additional land ad-
Hort Student Interns, 1912, Henry Bachman’s, Mpls.

School of Agriculture summer school students at Henry Bachman’s farm in 1912 where they grew vegetables. (Photo from glass negative, courtesy Richard Wenkel, University of Minnesota)
Greenhouse Vegetable Crops,
Henry Bachman’s, Mpls., ca.1916

Created by the Dept of Horticultural Science
University of Minnesota
Students’ House, Sch. of Agr., 1912, Hort.
(4,000 ft² greenhouse, nursery storage cellar)
Easter Lilies, Lakewood Greenhouses, 1912
Beginning seminar format

- Weekly meetings
- Every Monday evening, 7:00 o’clock p.m. in the Hort. Office
- 1st Monday in October – 1st Monday in May each year
- Fruit taste testing each week (Prof. Cady)!
- As late as 1999, the Monday evening seminar continued (for graduate seminars/discussions)
- At some point in time, the main departmental seminar shifted to Wednesday afternoons
3d meeting    Feb. 10, 1913

Topic: Influence of stock upon Citrus Fruit Delicious Apple.

People Present:

Fred A. Parker
R. Maynard Peterson
Alfred G. Perkins
D. R. Holder
R. R. Ross
W. H. Wilson
E. Royleady
The first assigned readings

Hort. Seminar

Influence of Stock upon Scion

Royal Hort. Soc. Vol. 27, p. CXLIV
27, p. 515
34, p. 131
34, p. 596
36, p. 796
26, p. 522

Gardeners Chronicle. 32, p. 409
33, p. 512

4th Meeting  Feb. 17, 1913

Topic: Orchard Cultivation

Fruit: Rome Beauty Apple

Alfred C. Perkins
Frank J. Gilmore
Ezra T. Loomis
George Daniel
Fred L. Parker
Nelson W. Ricks
O. Raymond Pitman
W. Deering Vail
A. H. Kohler
W. J. Symons

C. E. Dorin
W. W. Wilson
E. Roylady
Student assigned papers for discussion

Topic - Rest Period and Bud Formation

References for Hort. Seminar, Feb. 24, 1915:


5th Meeting  Feb. 24, 1913

Topic  Bud formation
       Rest Period in Plants

Fruit  Baldwin Apple

Joseph Peterson
Frank J. Piemeisel
Ernest D. Olm
Francis A. Daniels
R. Maynard Peterson
Alfred C. Perkins
Nelson P. Nichols
Harry Hjort

R. Roy ealy
Mailing List Hort. Sem. Spring 1913

Ammotd
Cady, Prof:
Daniels, Franc
Dash, Victor
Dorsey, Ernest
Dorsey, M. J.
Farnquist, Will
Gerten, Frank
Haralson, Fred
Kohler, A. R.
Parker, Fred
Perkins, Alfred G.
Peterson, R. Maynard
Peterson, Ralph
Pfeiffer, Frank
Ricks, Nelson
Rose, R. C.
Valleau, W. Dorney
Weiss, Freeman
The Haralson apple was introduced by the Minnesota Horticulture Research Center in 1922. It is named after Charles Haralson, superintendent of the University of Minnesota Fruit Breeding Farm.
### Additional spring 1913 seminar topics

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Fruit tasted</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mar. 3 (6th)</td>
<td>Improvement of potatoes</td>
<td>McIntosh Red Apple</td>
</tr>
<tr>
<td>Mar. 10</td>
<td>Cranberries</td>
<td>Gano Apple</td>
</tr>
<tr>
<td>Mar. 31</td>
<td>Bud selection</td>
<td>Grape fruit, <em>Citrus pomelanus</em>&lt;sup&gt;*&lt;/sup&gt;, Round Fruited or Pomelos</td>
</tr>
<tr>
<td>Apr. 7</td>
<td>Orchard heating – Frost injury</td>
<td>(Ralph Peterson) Spitzenburg ?)</td>
</tr>
<tr>
<td>Apr. 14</td>
<td>Crown Gall</td>
<td>Figs</td>
</tr>
<tr>
<td>Apr. 21</td>
<td>Injury caused by Spraying</td>
<td>[not legible]</td>
</tr>
<tr>
<td>Apr. 28</td>
<td>Chemistry of Lime sulphur</td>
<td>Oranges</td>
</tr>
<tr>
<td>May 5</td>
<td>Sterility in Grapes (Mr. M.J. Dorsey)</td>
<td>Pineapple</td>
</tr>
<tr>
<td>May 12 (14th)</td>
<td>Marketing</td>
<td>Bananas &amp; cream &amp; [not legible]</td>
</tr>
</tbody>
</table>

*now *C. x paradisi*
Spring 1913: Diversity check!

- Attendees: 100% Caucasian males
- although there were female students! e.g., Miss Anna M. Strud, won the Gideon Memorial Contest Prize for her essay: “The Farm Beautiful”*
- 50% of the seminar topics: fruit
- ~45% of the fruit taste tested: apples

*see: (1913) Transactions of the Minnesota State Horticultural Society, XLI:413-420.
Fall quarter, 1913

15th Meeting Oct 6, 1913

Topic: Fruit Conditions in the West
by N. A. Brieley

Fruit - Peerless Apple
Freeman Weiss - 60
C. R. Keene - 92
J. N. Dallanul - 333
R. J. Ryder
F. A. Ryan
L. W. W. W. - 176
J. W. C. W. - 168
C. W. - 129
W. T. F. - 6
C. L. T. - 436
W. D. V. -

Ass't Prof.*
Station Res. Ass't**

*1913 salary ($1800), 1914 ($2000)
**June 1, 1914, $100/mo. salary
The first elected seminar committee, Oct. 6, 1913

100 Year Later (2013): Dr. Neil Anderson (Chair), Dr. Vince Fritz, Dr. Gary Gardner, Dr. Jeff Gillman, Mr. Soon Li Teh

15th Meeting (cont.)
A short business meeting was held for the purpose of electing officers, which resulted as follows:

Chairman: Mr. F. Daniels

Program Committee
Chairman: Mr. F. Weiss

1st member: Mr. W. Valleau.

Sec. & Treasurer for whole year.

A. Aamodt.
<table>
<thead>
<tr>
<th>Seminar date</th>
<th>Topic</th>
<th>Fruit taste tested</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oct. 13 (16th)</td>
<td>Gross morphology of the apple</td>
<td>Wealthy apple</td>
</tr>
<tr>
<td>Oct. 20</td>
<td>The pollination of pear flowers</td>
<td>Kieffer Pear</td>
</tr>
<tr>
<td>Oct. 27</td>
<td>Pollination of the apple</td>
<td>Winesap apple</td>
</tr>
<tr>
<td>Nov. 3</td>
<td>Pollination &amp; sterility in Grapes</td>
<td>Tokay Grapes</td>
</tr>
<tr>
<td>Nov. 10</td>
<td>Parthenocarpy in Fruits</td>
<td>Oranges</td>
</tr>
<tr>
<td>Nov. 17</td>
<td>Spray injuries [from arsenic, Bordeaux, lime-sulphur, Cu]</td>
<td>Beurre Bosc – Pear</td>
</tr>
<tr>
<td>Nov. 24</td>
<td>Spray Injuries</td>
<td>Yellow Bellflower Apple</td>
</tr>
<tr>
<td>Dec. 8</td>
<td>A discussion and review of the Minnesota Horticultural Society Meeting</td>
<td>Japanese Persimmon. <em>Diospyros kaki</em></td>
</tr>
<tr>
<td>Dec. 15</td>
<td>Fruit Rot and Scalds in Storage</td>
<td>Delaware Red Apple, Delaware Red Winter, Lauver Idaho</td>
</tr>
</tbody>
</table>
Minnesota State Horticultural Society
• Housed in the Hort. Building
• Moved with the department into the new building (1970) and remained in Alderman Hall until the late 1980s
• Held numerous events on campus…

Interior Gym (St. Paul campus), MN Hort Society Show, June 3, 1916 (chrysanthemums)
Ramsey Co. School Picnic,
June 3, 1916
Unknown Building & Personnel
1916 (Mpls. Park Board?)

Created by the Dept of Horticultural Science
University of Minnesota
Horticultural Seminar

Hort. Office, Monday, Nov. 24, 1913, at 7:00 P. M.

Topic - Spray Injuries

Reviewed by -

I. Mr. W.W. Wilcox - Spraying Fruits in Its Relation to Public Health.

II. Mr. F. Daniels - Spraying Injuries to Fruit -
    Canadian Exp. Farms -
    * 1897, p. 108.

III. Mr. Geo. Peake - Spraying vs. Bees -
    Ohio Bul. 68, 1895, p. 48.
    Spraying Fruit Trees for Bloom -
    N.Y. Bul. 196, 1901.

IV. Mr. K. Dorsey - Action of Copper on Leaves -
    Tenn. Exp. Station, Vol. 15, No. 2.
Election of Officers, 1913-1914

27th Meeting—Cont.
Officers for the 2nd term of the 1913-14 year.
Mr. R. M. Peterson—Chairman.
Program Committee:
Mr. F. Weiss—Chairman
Mr. Bushnell—1st Member.

In each case the chairman was instructed to cast an unanimous ballot for the elect.
The second year, Spring 1914

<table>
<thead>
<tr>
<th>Date</th>
<th>No. People</th>
<th>Topic</th>
<th>Fruit Taste Tested</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan 12</td>
<td>17</td>
<td><strong>The Factors Influencing Keeping Quality of Fruits in Storage</strong></td>
<td>Tangerine (Mandarin oranges, Kid-glove oranges) <em>(Citrus nobilis)</em></td>
</tr>
<tr>
<td>Jan 19</td>
<td>11</td>
<td><strong>The Baldwin Spot (M. Derney Valleau), The Pre-Cooling of Fruit</strong></td>
<td>Jonathan (Missouri)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Mr. F.P. Daniels), Observations on Western Fruit Growing (Mr.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>William Farmquist)</td>
<td></td>
</tr>
<tr>
<td>Feb 9</td>
<td>11</td>
<td><strong>Making an Aquatic Garden</strong></td>
<td>Aesopus spitzenburg (Hood River)</td>
</tr>
<tr>
<td>Feb 16</td>
<td>7</td>
<td><strong>Marketing, discussions</strong></td>
<td>Oranges</td>
</tr>
<tr>
<td>Feb 23</td>
<td>15</td>
<td><strong>Commercial nuts in United States</strong></td>
<td>Nuts. Hickory, Hazel, Butternuts, Black walnut, horse Chestnut, Pecan, Walnut (English), Almond, Filberts, Buckeye</td>
</tr>
<tr>
<td>Mar 2</td>
<td>24**</td>
<td><strong>Market Problems, by Levi Longfellow</strong></td>
<td>Winesap apple</td>
</tr>
<tr>
<td>Mar 9</td>
<td>11</td>
<td><strong>Culture of Ericaceous Fruits, Part I (Blueberry, Cranberry)</strong></td>
<td>Winesap apple</td>
</tr>
<tr>
<td>Mar 16</td>
<td>12</td>
<td>Cranberry Culture</td>
<td>Winter Banana Apple</td>
</tr>
<tr>
<td>Mar 23</td>
<td>8</td>
<td>Little known fruit crops of the U.S.</td>
<td>Spitzenburg Apple</td>
</tr>
<tr>
<td>Mar 30</td>
<td>14</td>
<td><strong>The Certification of Seed Potatoes</strong></td>
<td>Barry Pear (Cal. Grown)</td>
</tr>
<tr>
<td>Apr 6</td>
<td>4</td>
<td>Culture &amp; Breeding of tomatoes</td>
<td>Naval Oranges</td>
</tr>
<tr>
<td>May 4</td>
<td>3</td>
<td>Principles and practice of cider making</td>
<td>Winesap apple</td>
</tr>
</tbody>
</table>

**Two women present**

Election of officers, Fall 1914

Clyde H. Bailey: promoted from Instructor to Ass’t Professor
<table>
<thead>
<tr>
<th>Date</th>
<th>No. People</th>
<th>Topic</th>
<th>Fruit Tasted</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oct 5</td>
<td>7</td>
<td>A general discussion and review of horticultural topics...of interest</td>
<td>Grape – Malagat</td>
</tr>
<tr>
<td>Oct 14</td>
<td>7</td>
<td>The origin &amp; development of horticultural plants: The beginnings of horticulture</td>
<td>Jonathan apples</td>
</tr>
<tr>
<td>Oct 28</td>
<td>3</td>
<td>The horticultural literature of the Romans</td>
<td>Kieffer pears &amp; Tokas grapes</td>
</tr>
<tr>
<td>Nov 11</td>
<td>6</td>
<td>The horticultural literature of the French and early English</td>
<td>Baldwin apple</td>
</tr>
<tr>
<td>Dec 9</td>
<td></td>
<td>[no records]</td>
<td></td>
</tr>
<tr>
<td>Dec 16</td>
<td>6</td>
<td>The early history &amp; development of the Strawberry</td>
<td>Spitzenburg</td>
</tr>
</tbody>
</table>
1915

• 44th – 57th meetings were held: Jan. 13 – Dec. 16, 1915

• Topic of Teaching:
  --Systems of horticultural instruction (Feb 24)
  --Curriculum (Apr 14, Apr 28, May 2 or 3)
6:00 luncheon at Cafeteria with
a business meeting following.

The proposed curriculum
for horticultural students, as
outlined by the seminar com-
mitee, was presented by
Freeman Weiss, chairman.

A discussion of the proposed
curriculum by members of the
faculty & student body followed.

It was moved, seconded & passed
that the committee should include
in their report the following
amendments: It is recommended
that the program committee
consider the setting aside of a
definite time for all Seminar
as meetings.

Officers for the following
year were elected as follows:---

Oscar Aamundson -- Sec. & Tre.
Freeman Weiss -- Chair. Comm.
John Bushnell -- 1st Mark. C.
Cactus ‘Live for ever’, 1895
Iris and Barberry, (Cady) ~1916
Other plants for ID, n.d.
Improved Field Daisy, Luther Burbank
Spirea oblongifolia
Night blooming Cereus, 1896
Cross sections of the “Pit” hot bed

FIGURE 2. Cross-section of Manure Hotbed.
Successive Steps in Preparing a Flat for Seeding.
On Nov. 11, 1915 (55th Meeting)

• The proceedings suddenly were recorded as “HORTICULTURAL CLUB MEETING”, held in the Horticultural Library
55th Meeting, Nov. 11, 1915

HORTICULTURAL CLUB MEETING

Thursday, Nov. 11, 4:30 P.M.
Horticultural Library.

Topic: Citrus Fruits. Mr. Badger.
Everyone is cordially invited. This paper is the first of a series. Don't miss it.

W.H. Mitchell
J.A. Bailey
W.G. Gilmore
W.C. Edgerton
A.G. Newhall
James Daniels
A.M. Armstrong
W.G. Brierley
Mr. Badger

Thanks for your kindness,
Owen C. Morton
O. L. S. Ecker
Irvin P. Perry
1916 -

- Most records missing
- By 1938, extensive seminar listing for the entire quarter was posted with many famous speakers (Alderman, Hutchins, Krantz)
- Mar. 2, 1938: attendance swelled to 25 people!
Oct. 6. Russian Horticulture

Oct. 15. Topics - W.R. Leach
  Subject: (a) Status of the Fruit Industry in America.
  (b) Development of Date Industry in America.

Oct. 22. Topics - Paul J. Jeffery
  Subject: Pruning of vine crops

Oct. 29. Topics - Vincent J. Bailey
  Subject: Winter protection

Nov. 5. Topics - R.H. Wilcox
  Subject: Use of Paper Mulch

Nov. 12. Armistice

Nov. 19. Topics - A.E. Hutchins
  Subject: Propagation of Evergreens by seeding, grafting and cuttings.

Nov. 26. Topics - A.E. Hutchins
  Subject: Relation of weather to date of planting potatoes. Ohio Bul. 399.

Dec. 3. Topics - T.M. Curren
  Subject: Ripening Fruit and Vegetables with ethylene gas.

Dec. 10. Topics - F.A. Krantz
  Subject: Use of aluminum sulphate and other substances in modifying soils for acid loving plants.

  Subject: Vegetative propagation in relation...
The Horticulture Club of the University of Minnesota was organized spring quarter, 1948. The organization committee consisted of the following persons:

Kenneth Warren
Lorden Svansson
Eugene Pearson
Tom Codgen
Emerson Sopp

The elected officers for the year 1948-49 were as follows:

President: Ralph W. Lindholm
Vice President: Emerson Sopp
Secretary: Kenneth Warren
Treasurer: Mary Ellen Matila

The club's name was changed to the Horticulture Club of the University of Minnesota.
Fall Quarter, 1948

The Horticulture Club of the University of Minnesota met on October 19 to re-organize for the year 1948-49. The resignation of Dorothy Peterson, secretary, was accepted and Louise Anderson was elected to fill the vacancy. The resignation of Ernest Rapp was also accepted, and Arthur Peterson was unanimously elected to his position. The club sold chrysanthemums at the Minnesota Homecoming game. Our speaker for the quarter was as follows:

Dr. Neant, Past President of Hort. Clubs.
Mr. Kent, Minn. Hort. Society.

Respectfully submitted,
Mary Ellen Mellite
Pilgrim.
Chrysanthemum breeding

Created by the Dept of Horticultural Science
University of Minnesota
How many seminars, 1913-2013?

- 1913 – 1915: 57 [mean of 19/yr; quarters]
- 1916 – Spring 1999: 1,596 [quarters]
- Sept. 1999 – Spring 2013: 420 [30/yr; semesters]
- 2,073 (est.) TOTAL WEEKLY SEMINARS IN 100 YEARS!

A CENTURY OF HORTICULTURAL WISDOM SHARED

- At some point in time: two seminars/wk: Mondays evenings, Wednesday afternoons (n.d. – 1999 only); weekly seminars (Wed. only) resumed 1999 - 2013