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**EDITORIAL**

**TO THE NEW INDUSTRIAL TEACHERS.**

The *Visitor* extends a hearty welcome to teachers who are taking up work in Minnesota for the first time this year. The foundation for the wonderful progress made in industrial work in Minnesota was laid in state aid and inspection in 1878.

Those of you who have received your preparation in the industrial collegiate institutions of this state are familiar with the conditions under which your work is to be done so far as such conditions are not purely local. Those who have been educated in other states will find themselves at a distinct disadvantage from lack of familiarity with the Minnesota system. A knowledge of the state's system is much more vital in the industrial subjects than in the academic and much more important in agriculture than in manual training or home economics. Those from outside the state who attended summer school in Minnesota are not at so great a disadvantage as are the others.

It will take some time to overcome this handicap. To do so will require an appreciation of deficiency and a genuine desire to overcome it. The *Visitor*, the College of Agriculture, and the State Department of Education will be very glad to do all they can to help. As a "starter," the *Visitor* proposes a few questions, largely to prompt thought and action. If you know what to do, these will be reminders; if you do not, you will be prompted to inquire.

Write the *Visitor* any time when you think its staff can aid you.

Have you procured from Hon. C. G. Schulz, State Superintendent of Education, St. Paul, your special industrial certificate? Has it been duly recorded by your superintendent?

Have you had in a sufficient supply of laboratory materials, such as weeds, seeds, grains, grasses, stalks, roots, flowers, fruits, etc., to supply your classes until next season?

Have you a good supply of government and state bulletins properly classified and filed in cases ready for class use?

Have you a good supply of reference books in your departmental library?

Are these located at the point of greatest convenience for pupils?

Is your departmental library supplied with the current agricultural papers?

Have you a good plan for using these to supplement your class work?

Are you prepared to chart quickly such salient facts as you wish to bring to the attention of your class or your audience in extension work?

Are you familiar with the rules of the High School Board under which you are working?

Are you familiar with the course of study in your subject, which is standard in Minnesota, and are you planning to put it into operation?

Are you familiar with the texts in your subject which are best and most suitable for a Minnesota high school, and do you know the strong and weak points of each?

Have you a system of judging a text?

If your school has a school plot have you records of the work thereon and are you harvesting the crops and completing the records?

Have you begun promoting the short course for this winter?

Have you made the acquaintance of your county agent (if there be one) and the other industrial teachers in your vicinity and are you planning with them for cooperation this year?

Are you familiar with the work of the Minnesota College of Agriculture, especially the divisions of Extension and of Agricultural Education and are you preparing to obtain assistance from them in your work?

Do you know enough about the state pure seed law to teach your pupils and advise your farmers and dealers with regard to them?

Have you become acquainted with the patrons who are especially interested in your kind of work?

Are you endeavoring to connect your work vitally to the neighborhood life through these patrons and your pupils?

W. J. Rupert, who has been in charge of the Agricultural department at Wheaton for the last two years, takes charge of the Fergus County High School at Lewiston, Montana, this year.

Peter Olson, superintendent at Cloquet, spent several weeks this summer on the Pacific coast attending the meeting of the National Educational Association and other meetings, and visiting the exposition. Mrs. Olson accompanied him.

**INSTRUCTORS PLAN FOR CO-OPERATION**

At the conference of the high school agricultural instructors, at University Farm in July, a campaign for more and better live stock was decided upon as the basis of extension work for the year. It is believed that a united effort of this kind will bring larger results than individual work. This will follow because of the possible cooperation of several instructors having identical interests. It will be easier for example to secure importations of purebred foundation stock if several communities unite in the buying. It will be easier also to bring about exchanges of sires and to secure markets for such purebred stock as may be produced for sale.

There would be mutual aid in the exchange of equipment such as charts and lantern slides to be used at evening meetings. Through the contribution of good negatives by various men, as suitable material is found, several sets of good slides could be built up and mailed from man to man as they were needed. The Division of Agricultural Education at the College of Agriculture will be glad to cooperate in the work of assembling sets of slides and serving as a center for exchange.

The conference also voted that each instructor keep a record of work done as the basis for a general report to be made at the spring conference of instructors.

**AGRICULTURAL WORK FOR NORMAL CLASS**

At the conference of the high school teachers of Agriculture, held at University Farm the last week of the summer school, July 19-23, 1915, a committee was appointed to confer with a like committee from the normal training teachers enrolled in the summer school, with regard to the agricultural work that should be given to the normal training class in the high school.

The committee brought in only a tentative report with the understanding that further consideration should be given the subject at the joint meeting to be held during the meeting of the Minnesota Educational Association in October.

The report of the committee follows and the suggestion is made that superintendents and teachers of agriculture think it over for discussion October 28. Meanwhile, those who have ideas should write to the *Visitor*. The ideas may be of use in the October issue.

Time allotted, 36 hours  
Division of time—18 successive lessons in fall  
18 successive lessons in spring

3 lessons per week for six weeks in fall  
3 lessons per week for six weeks in spring

Report 1:

24 lessons on special work

1. Types of farming
2. Field crops—rotation
3. Live stock
  - a. Breed types
  - b. Feeding and care
  - c. Testing
4. Farm Buildings and Management

12 lessons on general subjects

- a. Poultry
- b. Beef
- c. Gardens

Report 2:

24 lessons on special work

1. Field crops of community, bringing in silage, rotation, farm buildings, etc
2. Lessons on poultry and general farming

Report 3:

18 lessons in fall on weeds, corn, potatoes, and such things as best can be studied in fall

18 lessons in spring on grain and dairying, emphasizing throughout the course the interest of the community and those things which should be of interest to the community

All experiments should be practical

The committee agreed on report three, the time to be suited to the community

It is also recommended that there be one-half year general agriculture in the sophomore or junior year for prospective normal students

**NEW BULLETINS**

Issued by the Minnesota Agricultural Experiment Station:

Corn. Bulletin 149. The relation of cultivation to the yield and character of the crops. The relation of the number of stalks per hill to yield.

Barley Investigations. Bulletin 148. An account of investigations and efforts to improve barley, with an analysis of barley production in Minnesota.

Tobacco-Growing in Minnesota. Bulletin 150. An account of tobacco production in Minnesota, with a discussion of methods of culture and care of the crop.

**INTERESTING THINGS ON M. E. A. PROGRAM**

The 1915 program of the new Department of Industrial, Domestic, and Fine Arts of the Minnesota Educational Association is given herewith. The places of meeting have not yet been fixed, but the probabilities are that most of the meetings will be held in the East High School in Minneapolis, on Fourth Street and First Avenue, S. E., one block from Central Avenue. The Como Harriet and Como Hopkins cars from both St. Paul and Minneapolis, and the Oak and Harriet car from Minneapolis pass the door.

Definite announcements as to places of meetings may be made next month. The program contains much of interest, and there should be a large attendance at all meetings of the department and the various divisions.

**M. E. A. PROGRAM**  
DEPARTMENT OF INDUSTRIAL, DOMESTIC, AND FINE ARTS

Officers: President, A. V. Storm, University of Minnesota; vice-president, (none elected); secretary, (none elected).

Thursday, October 28, at 2:30 p. m., the Department of Industrial, Domestic, and Fine Arts, consisting of the Divisions of Agriculture, Manual Training, Household Arts, Music, Drawing and Design, and Commercial Education, will meet to elect departmental officers.

The several divisions will meet then as shown below:

2:45 p. m. Address: "The Function of Art in our Social and Industrial Life." Frank Alva Parsons, President of the School of Fine and Applied Arts, New York.

3:30 p. m. Joint meeting of divisions of Agriculture, Manual Training, Household Arts and Drawing and Design, and of the Division of High School Training, Teachers of the Department of Professional Education of Teachers.

Discussions:  
"The Normal Training Course in Agriculture." Leaders: Edna B. Mahnke, Hinckley, Minn.; W. L. French Austin, Minn.

"The Normal Training Course in Home Economics." Leaders: Elsie K. Rowe, Park Rapids, Minn.; Mathilda Smith, Spring Valley, Minn.; Miss Josephine T. Berry, University of Minnesota.

"The Normal Training Course in Manual Training." Leaders: Mrs. May H. Dills, Minneapolis, Minn.; W. C. Dennis, Madison, Minn.

"The Normal Training Course in Drawing and Design." Leaders: Bessie Campbell, Elk River, Minn.; M. Emma Roberts, Minneapolis, Minn.

Summary: E. M. Phillips, State High School Inspector; Mabel Carney, State Department of Education, St. Paul, Minn.

**Division of Agriculture**

Officers: President, J. S. Jones, Madison, Minn.; vice president, Franz Krause, Renville, Minn.; secretary, P. S. Jordan, Hastings, Minn.

Friday, October 29, 9:00 a. m.  
"The Problems of Practical Stock Judging in the High School Course." W. V. Longley, Hallock, Minn.

"Corn and its Correlations in the Class Room." W. H. Bender, University Farm.

"Kind and Amount of Work for the Grades." W. L. French, Austin, Minn.

"How to Make a Strong Winter Short Course." J. I. Swedberg, Cokato, Minn.

"What Extension Work Needs Emphasis." A. D. Wilson, University Farm.

General discussion.  
Business.

**Division of Manual Training**

Officers: President, L. H. Harnsberger, Central High School, St. Paul; vice president, M. L. Robbins, Albert Lea, Minn.; secretary, C. E. Sanders, 544 Simpson St., St. Paul, Minn.

Friday, October 29th, 9:00 a. m.  
"The Industrial Needs of the Rural Schools." Miss Anna E. Shelland, Superintendent Schools, Koochiching County.

Round Table conducted by Warren E. Hicks, Assistant Superintendent of Industrial Education of Wisconsin.

Business session.  
"Mechanical Drawing in the High School." Edward P. Geiger, Duluth, Minn.

"Demonstration in Wood Finishing" Geo. M. Brace, St. Paul, Minn.

**Division of Household Arts**

Officers: President, Georgia Belle Elwell, 907 Seventh Street S. E. Minneapolis, Minn.; vice president, Ella May Snell, Detroit, Minn.; secretary, Mrs. Jean Muir Dorsey, 2132 Carter Avenue, St. Paul.

Friday, October 29, 9:00 a. m.  
"Presentation of a Suggestive High School Course of Study in Home Economics." Miss Josephine T. Berry, College of Agriculture, University of Minnesota.

Discussions: "How May we Make the Study of Textiles More Interesting

and Profitable to High School Girls?" Leader: Miss Elizabeth Vermilye, Bemidji, Minn.

"Clothing Budgets and Garment Construction." Leader: Miss Esther Nelson, Alexandria, Minn.

"The Correlation of Art with Textiles and Clothing." Leader: Miss Harriet Goldstein, College of Agriculture, University of Minnesota.

Business:  
The Minnesota Home Economics Association has invited the Household Arts Division of the Minnesota Educational Association to meet with it at a luncheon served at 12:15. Place of meeting and price per plate will be announced later.

All former students and graduates of the Home Economics Department of the University of Minnesota are invited to join the Home Economics Self-Government Association at supper at six o'clock in Shelvin Hall. Plates 30 cents. Notify Miss Florence Pickering, 1416 Clinton Avenue, Minneapolis, by October 27.

An exhibit of suggestive problems in sewing, for grade and high school classes, will be of practical help to domestic art teachers.

A library of reference and text books on home economics subjects will invite inspection by both science and art teachers.

**HIGH SCHOOLS AT THE STATE FAIR**

When the industrial departments were established in the high schools of Minnesota under the provisions of the Putnam act, it became the custom for such departments to exhibit their work at the state fair. This was followed by the inclusion of exhibits by other classes of schools. As a result school exhibit have become an established department and one of the interesting and attractive features of the big fair.

The number of schools exhibiting at the fair of 1915 was not so large as in previous years, but this was owing to a combination of circumstances rather than to any decrease in interest in the exhibits. Some of the schools changed superintendents, which is always fatal to the making of an exhibit. West Concord planned to exhibit, but was quarantined by the federal government on account of the presence of foot and mouth disease in the county. The school work of Milaca, already prepared, was destroyed.

The exhibit from Lac Qui Parle county was unique and attracted much attention. The work of the rural schools was installed in a central booth flanked on either side by the high school exhibits of Dawson and Madison. Over all was extended an immense sign bearing the words—"Lac Qui Parle County." The exhibit as a whole showed the progressive spirit of the educators of the county and gave ample evidence of the good work being done in all classes of schools in the county.

Already plans are being made for next year, and the premium list will be issued as soon as possible. Several new schools have signified their intention to exhibit and all indications point to a greater display than ever. The opinion of the superintendents of the schools exhibiting from year to year is, that, leaving out all other considerations, it pays the individual school to exhibit at the state fair because of the benefit to the school itself in the better work done in the various departments, and in the better school spirit on the part of students and faculty. It keeps the school abreast of the times in all that pertains to the best in every department.

**MOTION PICTURE COURSE APPROVED**

In the issue of the Motion Picture World of July 31 appears a brief article under the following headline:

UNIVERSITY OF MINNESOTA SETS THE PACE

Moving Picture and Lantern Projection Included in the Summer Course of Instruction

Under this headline information was given to the effect that principals of consolidated and graded schools throughout Minnesota were having an opportunity at the summer training session held at the college of agriculture, to learn how to manipulate and care for projection machines. The plan of work was outlined as follows:

"Students dismantle machines, learn to care for the parts and study the effects of condensers, lenses, and adjustments. Lectures are being delivered by Professor B. L. Newkirk to the principals who are in attendance. Laboratory work is a part of the course.

"In view of the fact that the principals of these schools are leaders in rural social-center work, and in many instances are providing regular weekly moving-picture entertainments for their respective centers, and in view of the fact that the example of Minnesota and its university may be followed by other states, universities, and academic

institutions, the event throws an optimistic light on the future of the educational film."

**NEWS**

P. P. Banker leaves the agricultural work at Hinckley to take a position in connection with the extension service of the Montana State College of Agriculture.

Hon. C. G. Schulz, State Superintendent of Education, attended important meetings of the National Educational Association in Oakland, California, in August.

Cokato won first prize in the high school exhibit of industrial work at the state fair. Hastings was second, with Detroit a very close third, Madison fourth and Dawson fifth.

Verne Steward, from the Agricultural College, of Michigan, attended the summer session of the Minnesota College of Agriculture to familiarize himself with the agriculture and education of this state in order that he might be better prepared to teach agriculture at Royalton.

The American Association for the Advancement of Agricultural Education holds its annual meeting in Berkeley, Cal., August 10. Professor A. V. Storm of the College of Agriculture of the University of Minnesota was re-elected president. The next meeting will probably be in Washington, D. C.

Earl Springer, who taught agriculture at Gaylord last year, attended the summer session of the Minnesota College of Agriculture as a preparation for his work at Wells this year. Wells owns twenty acres of land and rents twenty more, so that the agriculturalist there has plot problems of greater dimensions than many others have.

The following high schools have this year been added to the list of those which are to receive state aid for agricultural teaching: Aitkin, Brainerd, Cannon Falls, Duluth, Excelsior, Fairfax, Lambertson, Luverne, Minneapolis (Central), Montevideo, Osakis, Perham, Stillwater, Tyler, Virginia, Wayzata, Zumbrota. Graded schools added to the list are as follows: Burnum, Earth Lake, Invergrade, Lutsford, Maple Forest Lake, Glyndon, Hayfield, Hill City, Laporte, St. Francis, Warroad.

The Mississippi High School's agricultural department, under the direction of George E. Bushnell, is promoting a farm exhibit to take place on October 16. There will be a colt show, a calf show, a poultry show, and a corn show for the boys in the acre-yield corn contest. Over forty boys are entered in the acre-yield corn contest. The high school has organized a cow-testing association the members of which own 133 cows. The testing is done by the agricultural director. The farmers are conducting a cooperative elevator, a state bank and a live stock shipping association.

The State Department of Education has increased its staff of public school inspectors. H. E. Flynn will assist E. M. Phillips in the high school work and C. H. Barnes will aid R. B. McLean in the graded school work. Mr. Flynn comes to the work from the superintendency of the schools of Two Harbors and Mr. Barnes from the superintendency of the schools of St. Cloud. Both have been long and favorably known in connection with the public school work of Minnesota. The *Visitor* heartily welcomes Mr. Flynn and Mr. Barnes to this new relationship and feels sure that the entire educational fraternity of the state will endorse the action.

The school and home garden work of the year in the South St. Paul schools came to a climax in an exhibition of garden products on September 21. The exhibition was held in the gymnasium of the new high school building, and was open to public inspection during the afternoon and evening. A first prize of fifty cents was awarded for each variety of vegetables and of fruit shown. Smaller prizes were also awarded in each class, the rank being fixed by the number and excellency of the entries. Similar prizes were offered for the best mixed bouquet and for the best solid bouquets of each kind of flower from the ward schools. A banner was awarded to the ward school scoring the highest number of points in proportion to the number of exhibitors. A fund for prizes was secured from the sale of seeds and plants from the greenhouse in the spring and from contributions by business men. The garden work and the exhibition were under the direction of Frank L. Gerten, who became agricultural instructor in the South St. Paul schools last April. Mr. Gerten plans to provide funds for prizes in next year's garden exhibit through the sale of garden seeds and plants to residents of the school district. High-quality seeds are purchased in bulk and sold in packages at a profit. There is a large demand for tomato, cabbage, and other plants for transplanting from the school greenhouse.