

The M. A. C. Record.

VOL. 5.

LANSING, MICHIGAN, TUESDAY, JUNE 12, 1900.

No. 38

Experiment Station.

As director of the Experiment Station I most cordially invite the Alumni and visitors to the college during commencement week to visit the station grounds and note the interesting experiments that are going forward. I assume that you will stroll down the lane and go east on the drive immediately south of the grain barn. Note the varieties of beets to your left, and the luxuriant growth of clover to your right. You will remember, from your student days, that the soil upon which the clover is growing is about as poor as could be found anywhere within the state or outside of it. This clover was sown two years ago, alone and without nurse crop. Beyond the clover you will see the stubble of the sand lucern. This plot has borne three heavy cuttings last year and one already in 1900. Remember that the soil is a blowing sand. Across the drive to the left note this same sand lucern being pastured. Note that the pen is mightier than the mower.

I find that space will not permit me to even mention the host of experiments that you should note. Go on to the east through Professor Taft's orchard, turn to the right, cross two roads and return westward between plots of wheat. Note the influence of commercial fertilizers.

Note the many interesting plants growing on the curiosity strip. cross the bridge, turning to field six and note the significance of the crops growing there, as indicated by the labels on the different plots. Returning from six, go still farther down the lane, climb the stile in thirteen and note the experiments on muck. The labels will indicate the object of each test.

You are also cordially urged to visit the station laboratories and offices.

C. D. SMITH.

Commencement Program.

Wednesday morning, class day; Wednesday afternoon, dress parade; Wednesday evening, society reunion; Thursday, Alumni day; Thursday evening, president's reception; Friday morning, commencement with addresses by three members of the graduating class and Booker T. Washington.

Fragments of Meteorology.

Dr. Kedzie was just finishing his lecture on meteorology, speaking of of the cold waves and the blizzards of the North West, when he spoke of visiting a little cottage on the Northern Pacific where he found a quiet little lady from Jackson, Mich., whose husband was an engineer on the railroad, his wife holding the homestead by personal residence, hoping to secure a farm and home on the wide prairie. Noticing a rope stretched from the kitchen door to the stable, she was asked "clothes line?" "Oh, no; blizzard line, so that when the blizzard comes we may safely feel our way to the stable, and be sure to find our way to the house without danger of being lost

in the blizzard!" Yet the two buildings were not fifty feet apart.

This called up the story of the farmer from Three Rivers, who spent a winter "in the land of the Dakotas," and returned to Michigan and justified his retreat by saying "a land where they have nine months of winter, the ground freezes nine feet deep and coal is nine dollars a ton, is no place for a Christian."

Not to be outdone, one of the class told of visiting some of the plains in Manitoba when a friend pointed out a house in the distance which had been deserted by its owners, who justified their departure by leaving an inscription on each of the four walls of the house.

Eighty feet to water.
Forty miles to timber.
Fifty degrees below zero.
God bless our home.

Model Dairies.

During the past month the writer visited a few of the leading dairies of the State to inquire into the methods followed. While general dairying is not likely soon to become a prominent industry of the State, there is still room for a large volume of business along certain special lines. The milk supply of the cities and numerous large towns of Michigan is one of the most important.

At Grand Rapids we visited the Modified Milk Laboratory of Mr. Ira O. Johnson, who spent several weeks last winter taking special bacteriology under Prof. Marshall. On his 250 acre farm at Ada, eight miles out from the city, Mr. Johnson maintains a herd of sixty select cows, most of them being pure-bred or high grade Jerseys. At the home farm is a model dairy house costing over \$1,000, equipped with boiler, engine, separator, sterilizing chambers and everything necessary for ease and perfect sanitation in carrying on the work. All the milk is run through the separator for clarification, the milk and cream being mixed as they are delivered from the machine. Milk and cream are hauled in a refrigerator wagon to the city. All the bottling is done at the city laboratory. The *specialty* of this business is *modified milk*.

Statistics have shown that in city districts, where this product has been in use for some time, infant mortality has been greatly lessened. Mr. Johnson works only after prescriptions drawn by family physicians, filling each with milk of exactly the composition which the doctor thinks best adapted to the requirements of each special case. Skim milk, water and cream are used to build up the compound to prescription strength. The relatively high uniform price of eight cents per quart for whole milk from this dairy is fully justified by the unusual care and work required in the preparation and delivery of the product. This can be understood when it is learned that twelve employees are given work in the different departments.

Mr. A. M. Welch, one of the State Institute workers, is doing good work on his 550-acre farm near

Ionia. He has an ideal dairy farm made up of high rolling lands and splendid deep bottoms, abundantly watered by creeks and flowing springs. At the time of our visit, fifty cows were in milk. We have never seen a herd of like size giving better evidence of intelligent care and feeding. The herd is made up mostly of grades, with several fine Jersey and Guernsey pure-breds. The stables were found in ideal condition. Everything which could contribute to the comfort of the cow or increase the production of milk was as it should have been. No butter is made on this farm, bottled milk and cream being the product. Daily sales now run over \$25.00.

Both these dairymen have great faith in corn silage for cheapening production. Neither one has had any trouble from silage-tainted milk. The results which they have secured show very clearly that there are large possibilities in the dairy business when the work is undertaken in a business like way and sufficient energy introduced into its management.

J. J. F.

Election of Officers.

The various societies have elected the following officers for the fall term:

Botanical Club—President, R. L. Brown; vice president, G. W. Gutekunst; secretary, Miss Jessie Palmer.

Columbian—President, J. M. Rankin; vice president, R. L. Brown; secretary, W. J. Geib; treasurer, Marcus Stevens; marshal, C. Ely.

Feronian—President, Fleta Paddock; vice president, Alice Gunn; secretary, Mary Knaggs; treasurer, Celia Harrison; marshal, Edna Deyarmond.

Themian—President, Marguerite Nolan; vice president, Gertrude Van Loo; secretary, Jessie Palmer; treasurer, Helen Kelley; marshal, Kate Nichols.

Adelphic—President, O. L. Ayrs; vice president, F. D. Linkletter; secretary, A. F. Frey; treasurer, C. J. Voorhorst; marshal, H. L. Brunger; reporter, R. Southwick.

Phi Delta—President, R. L. Himebaugh; secretary, E. A. Epple; treasurer, R. Cowles; warden, Fred Stevens; steward, H. L. Kimball; reporter, H. M. Eaton.

Olympic—President, L. G. Michael; vice president, H. J. Eustace; secretary, J. A. Cooper, Jr.; corresponding secretary, G. Cheney; treasurer, C. Armstrong; marshal, F. W. Crysler.

Union Literary Society officers for the fall term—President, N. A. McCune; Vice-president, A. E. Kocher; Secretary, G. E. Martin; Treas., H. W. Dey; marshal, H. D. Hahn.

The following list of officers have been elected by the Hesperian Society for the fall term: President, R. M. Lickly; vice-president, Geo. D. Francisco; secretary, T. L. Miller; treasurer, F. W. Owen; marshal, L. S. Christenson.

The Eclectic Society in business session elected the following officers for next term: President, R. M. Norton; vice president, D. G. L. MacDougall; secretary, G. S. Covell; treasurer, M. L. Ireland; marshal, A. Strong.

H. S. K.

Almost a Tornado.

On Thursday p. m., June 7, the most severe rain and wind storm ever known at the College swept down upon us. The rain did not descend in drops but came down in sheets—what is often called a "cloud burst." In about 15 minutes .77 inches of water fell. Along with the rain was a strong wind, breaking many trees and blowing in a small part of the wall of the new building for women. The storm swept from S. W. to N. E.—the regular track of the tornado. Some hail fell near the close of the storm but did no damage.

R. C. K.

Accident in the Physical Laboratory.

On Monday afternoon, June 4, Prof. Atkins and a few of his students were making experiments with the spectroscope to determine the kind of colored lines produced by flashing various substances in the Bunsen flame in front of the spectroscope. Among the substances employed was gunpowder. In some inexplicable way the vial of gunpowder in Prof. Atkins' hand exploded, cutting his hand severely, and destroying his left eye. One of the students, Mr. Hornbeck was severely cut by fragments of the glass, and his right eye destroyed.

The wounded men were taken to the City Hospital and placed under the care of Dr. Joseph Foster, '90, under whose skillful ministrations they are rapidly recovering.

So severe and unusual an accident, happening to those so well known and highly appreciated, has stirred our community most profoundly, and all rejoice in the fact that it was no worse.

R. C. K.

Football Schedule.

The following dates have been approved by the faculty, with the recommendation that the Thanksgiving game be changed if possible, so as to have a home game on that date.

Sept. 29, Albion at M. A. C.
Oct. 6, M. A. C. at Albion.
Oct. 13, Adrian at M. A. C.
Oct. 15, Olivet at M. A. C.
Oct. 20, open date.
Oct. 27, Alma at M. A. C.
Nov. 3, open date.
Nov. 10, M. A. C. at Adrian.
Nov. 17, Ypsilanti at M. A. C.
Nov. 24, M. A. C. at Detroit with D. A. C.

Nov. 29, M. A. C. at Kalamazoo Driskel, '02, and Schultz, '03, took part in the athletic meet of the central association of the A. A. V. at Detroit last Saturday. The former, in the half mile, finished a good fourth. Time 2, 2-5. Schultz did not "find himself" on the running broad jump, but took fourth place in the event which was won by 21 ft. 6 3/4 inches, only 2 inches further than his last week's performance. In the 220 yard dash he put up a close fourth in a race in which the first three men were only about a foot and a half apart at the finish.

Considering this was the second field day for both men, and being in such fast company, they deserve much credit.

THE M. A. C. RECORD.

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For various reasons THE M. A. C. RECORD is occasionally sent to those who have not subscribed for the paper. Such persons need have no hesitation about taking the paper from the postoffice, for no charge will be made for it. The only way, however, to secure THE RECORD regularly is to subscribe.

Baccalaureate Sermon.

The commencement exercises opened Sunday night with the Baccalaureate sermon by Rev. Nehemiah Boynton, D. D., of Detroit. The Armory was beautifully decorated for the occasion, many plants and flowers having been brought from the greenhouses.

Dr. Boynton took as the subject of his sermon,

THE CORRECTED VISION.

II KINGS, VI: 17.

"And the Lord opened the eyes of the young man, and he saw."

The prophet's servant, young, athletic, powerful, is quaking with fear at the demonstration of the city surrounding host of horses and chariots, but the experience seasoned prophet is serenely self composed. "Alas, my master! how shall we do," exclaimed the excited and enemy fearing attendant. "If you could only see the mountains" is the sage rejoinder, "you would know that they that be with us are more than they that be with them." The young man had not noticed the mountains; he turns towards them his big startled eyes. "Lord, open his eyes," prays the prophet. Swift as lightning the answer comes. He looks and behold, the mountain is full of horses and chariots of fire. His vision is once for all corrected; his terror in presence of apparent and hostile majorities is becalmed, and faith, grasping the sceptre from the quaking hand of fear, rules increasingly the willing empire of his soul.

The corrected vision is the great present day necessity, for while it is easy to see the hostile chariots about the city, it is growingly essential to see the friendly ones on the mountains!

Youth needs the corrected vision! Some of the modern pictures of youth would scare a Sphinx. Youth is presented as a terrific fight; blood and gore, surgeons and ambulances are its characteristics, or it is a Serbonian bog, whose treacherous footing has betrayed multitudes of careless, pleasure seeking travelers; or it is a gay holiday, with music and dance, with flowers and ribbons, to which care, prudence, restraint can make no contribution! What caricatures!

Youth is no bloody fight, Serbonian bog or careless holiday! You cannot see it clearly and see it whole, this republic of youth, simply by

looking at its cities with their dazzling and fascinating temptations; you must lift up your eyes to its mountains; they are filled with horses and chariots of fire! great ambitions, heroic resolution, daring aspiration; these are the names of the charioteers who rein these mountain steeds, and who will drive with the fury of a Jehu, to any beleaguered youth who seeing them will beckon! As he sees them start towards him, his youth is transformed; it becomes a glory-filled opportunity, a tremendous chance!

The man of work needs the corrected vision. Multitudes cannot see anything in work but sweat and exhaustion; they toil terribly to get rid of toil, and all the while become more disgusted with their common task.

"If you do not take your work like medicine," said a sage, "it will not nauseate you." Ah! there is the secret of contented endeavor; make your work a meal to nourish you and not a medicine to nauseate you! When one sees that work is character, discipline, that even if it depletes the physical, it can supply mental delight and spiritual freedom, then it assumes a dignity which gives it a standing in the courts of a man's experience. The corrected vision is his. No longer does he sigh over his sweat-starting toil; he sings.

The patriots need the corrected vision! What is America? Is it a mine to be worked solely for the benefit of the shareholders? A farm to be tilled in the interest of its owners? Is it a commercial venture? What has become of those mighty principles, liberty, fraternity, equality? Are they no longer worth keeping? Shall they be consigned to the rubbish heap? It takes the corrected vision to see the real America. You cannot discover it by looking through spectacles made of gold dollars!

Nothing can so certainly disrupt our republic as little visions of national advantage; nothing so surely saves it as great Pisgah sights of sacrifice, service and glory, of national opportunity and responsibility. Oh! if every citizen were a mountain looker!

The religious life needs the corrected vision. These are days of shift and drift; old forms are discredited; new ones are not thoroughly accepted. People see the ragged edges of faith, and forgetting that finest tapestry has sometimes ragged edges too, they incline to throw their faith away. They have not really seen their faith. They need the corrected vision. Religion is a man's normal attitude towards his father, God. It is an affair of the soul; it can "cling to faith beyond the forms of faith;" it is the prime requisite of every furnished life. God cannot be shut out of this universe either by stone-blindness or by poor logic! He lives there still! He will come to those willing in His light to see light. Religion means a corrected vision, for is it not written, "Blessed are the pure in heart, for they shall see God!"

Young men and young women find your lives; get the corrected vision.

See your youth, your work, your country, your faith, in the true perspective, and they shall be to you not burdens heavy and grievous to be borne, but rather as stars luminous with divine light, whose glory it is to be at home in the firmament of God.

Getting On In The World.

BY J. H. SKINNER, '01, OF THE HESPERIAN SOCIETY.

What is success? Is it a reality or a fancy? What is it that so many desire and strive for, yet seldom attain? This is a question which has been asked by all the past and which the present continues to inquire about.

Leaving off a bad habit for a good one is getting on in the world; to be clean and tidy instead of dirty and disorderly is getting on; to work as diligently in the employer's absence as in his presence is getting on. In short when you see any one properly attentive to his duties, persevering through difficulties, to make such acquisitions as shall be of use to himself and others, offering a good example to those around him, you may be sure that he is getting on in the world.

It is common to hear men complain that the chances of success lessen every day, that every avenue of business is over-crowded; and unless a man be a perfect Hercules he is elbowed out of the way and prevented from "getting on" in life, to languish in obscurity and pine in neglect, to grow old before his time and die at last of disappointment and heartsickness. The complaint as a general thing is false and foolish, and the evil is in the complainer and not in society. Men often miscalculate their own powers, and mistake their line. A knowledge of our own capacities, a fixed and steady aim; in short, steadiness of purpose and consistent effort, are the conditions of success and almost invariably command it.

Do not be discouraged if, in the outset of life, things do not go on smoothly. It seldom happens that the hopes we cherish for the future are realized. The path of life appears smooth and level, but when we come to travel it, we find it all uphill, and generally rough enough. The journey is a laborious one; and whether poor or wealthy, high or low, we shall find it so to our disappointment, if we have built on any other calculation. To endure it with as much cheerfulness as possible and to elbow our way through the great crowd, hoping for little, yet striving for much is perhaps the best plan.

Do not be discouraged, if occasionally you slip down by the way and your neighbors tread upon you, or in other words do not let a failure or two dishearten you.

Numbers of farmers have left their farms and gone to the city as it was difficult for them to make a living on the farm; and I have heard students time and again scorn the idea of a farmer being educated for his profession.

The idea must be done away with, that there is something intellectually degrading in cultivating the soil. If education be of such kind that its results may appear in well filled corn cribs, in heaped up potato bins, in better shelter for stock; in a more judicious selection of animals for breeding purposes, in the more perfect adaptability of food to the animal, in better butter and more of it, it cannot fail to be of incalculable value to the farmer.

There is a quiet about the life of a farmer and the hope of a serene old age that no other business or profession can promise. A professional man is doomed sometime to feel that his powers are waning; he is doomed to see younger and

stronger men pass him in the race of life. He will be last where once he was first. But the farmer goes as it were into partnership with nature; he lives with trees and flowers; he breathes the sweet air of the field. There is no constant frightful strain upon his mind; his nights are filled with sleep and rest.

After all, what is success? Every one ought to desire to succeed in this life. To have succeeded is the greatest of life's consolations; to have made a failure of life is more to be regretted than anything we can conceive of. To amass a fortune is a success in a certain sense; that is, it is success in amassing a fortune, but although there is a certain amount of credit attached to this, ultimate success is quite another thing. It is in every man's power to live a life of integrity and honor, speak words of cheer to the downhearted, help remove obstacles from the path of the weak; instill in the minds of those around him a desire to live pure and upright lives. Is not then success the peace of mind which springs from right impulses and which promises a serene future? A life so lived that when we are done it may be said, "Well done, good and faithful servant; thou hast been faithful over a few things, I will make thee ruler over many things, enter thou into the joy of thy Lord."

Dr. William E. Quine, dean of the College of Physicians and Surgeons of Chicago, says: "Experience has taught us that college athletics have a demoralizing and disturbing influence on the students and interfere with the educational work of the college. We do not deny that athletics are of beneficial influence on the physical development of the young, but the interests of education demand first recognition."

At the College.

E. W. Graves, '03, received a visit from his father last week.

Miss Florence Bond, of Leslie, is visiting her sister, Mrs. B. O. Longyear.

Miss Annie Kerr, '03, of Au Sable entertained her mother last week.

Eugene Price has been re-elected manager of the co-operative book-buying association.

B. A. Bowditch, with '06, of Hillsdale, called on College friends Monday of last week.

The Try and Trust Circle of King's Daughters has contributed \$24.50 to the Indian famine relief fund.

The timbers are being placed under the farm house, preparatory to moving it to its new site at the corner of the lane.

J. F. Baker, '02, left last week for the Yellowstone Park, where he has an engagement for the summer at one of the large hotels.

F. W. Dodge, '00, who is just convalescing from an attack of typhoid fever, was on the campus Wednesday for the first time in several weeks.

Representative S. W. Smith writes in reply to letters from several students, that the edition of the "Surveying Manual" is practically exhausted and only the one copy could be secured. This has been placed in the library where all can have the benefit of it.

Mr. Kenney's two children have been suffering from light attacks of scarlet rash. Mr. Kenney was quarantined during last week, but is again at his post of duty in the Secretary's office.

Prof. Smith went to Detroit on Thursday to attend a meeting of the executive committee of the American Association of Institute Managers, of which association he is president.

On invitation of the committee having in charge the arrangements for Admiral Dewey's visit, the battalion went to Lansing Monday morning to help give a hearty welcome to our famous fighter.

Bernard Nagelvoort, '03m, left last week for Detroit, where he has an engagement for the summer with Schremser's band. This band plays at Wayne Hotel pavilion every evening from seven until eleven.

Captain S. W. Dunning, U. S. A., arrived unexpectedly from Detroit on Thursday and inspected the battalion. This takes the place of the inspection which has usually been held commencement week. This year, dress parade will be given at 1:30, Wednesday afternoon.

Some of the strawberry boxes found in the Lansing markets late in May had the bottom so near the middle of the box, and the width so diminished, that they would only hold 67 hundredths, *i. e.* two-thirds of a quart, instead of one quart, which they were supposed to hold.

W. J. B.

A game of baseball between the College team and a team made up of former players from the alumni will also be a feature of Wednesday afternoon. Among those who have given assurance that they will be here are E. E. Vance, '84; "Tug" Wilson, with '93; Leander Burnett, '92; A. N. Bateman, '92; J. W. Ritinger, '94; H. R. Parish, '95; A. C. and A. B. Krentel, '99.

Last Friday evening Prof. and Mrs. Bemies, assisted by Misses Mary and Mabel Smith, Bessie Buskirk, Mamie Crosby, Grace Elliott, Edna Deyarmond, Deborah Garfield, Bessie Lee Gaylord, Marguerite Nolan and Zaidee Vosper, entertained the athletic association officers, the baseball team and the track team. Games were played, college songs sung, and delicious refreshments enjoyed.

Professors Taft and U. P. Hedrick returned Friday morning from Chicago where they attended the meeting of the American Park and Out Door Art Association. The afternoons of Tuesday, Wednesday and Thursday were given up to carriage rides through the parks and boulevards. The spring has been very favorable for the lawns and shrubbery, and they were unusually attractive.

Professor Taft spent a day at the South Haven sub-station last week. Most of the fruits promise a full crop, although the sweet cherries and some of the plums have not set very well. The peach trees in the vicinity of the grounds that have not been sprayed are suffering seriously from leaf-curl. While those sprayed with copper sulphate early in April are entirely free from it. Applications made during the last week in April were less effectual. When one side of a tree was sprayed and the other side left unsprayed, the effect was as noticeable as between different trees.

Mrs. Maria Robinson and her niece, Miss Marie La Due, are spending a week as guests of the former's sister, Mrs. C. F. Wheeler.

Mr. John L. Shawver, of Bellfontaine, O., who is here superintending the erection of the new farm barn, lectured to the Juniors last Friday afternoon on "Barn Building." Mr. Shawver is an advocate of the plank frame, of which he is the originator. In his lecture he estimated the cost of material for a plank frame, as compared with the old fashioned mortise and tenon frame, as fifty per cent. less; the cost of erecting the same as more than fifty per cent. less. He cited an instance of a barn, 36 x 100 feet, the cost of which, from estimates of the old style builders, would have been \$4,000, but was built with a plank frame for a little less than \$1,900. The new farm barn is to have a plank frame, and is expected to be ready for raising the last of this week.

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News from Graduates and Former Students.

W. J. Meyers, '90m, will attend the Alumni reunion.

E. D. Partridge, '95, and wife, of Provo, Utah, are at Mr. Truman's for the summer.

M. W. Stutz, with '01, has accepted a position as teacher, for the coming year, at Carleton, Mich.

W. C. Stebbins, '95, who has been principal of the Coloma schools, will spend several weeks in special study at the College during the vacation.

L. A. Bregger, '88, who has been assistant superintendent of Graceland cemetery, Chicago, for the past ten years will soon move to his farm near Bangor, Mich.

Mr. J. F. Merkel, with '97, and wife, visited college Saturday. Mr. and Mrs. Merkel were married June 5th, and were on their wedding trip. They will make their home in Milwaukee, Wis.

S. M. Millard, '64, Highland Park, Ill., was toastmaster at the banquet tendered the American Park and Out Door Art Association at the Auditorium hotel, Chicago, last Wednesday evening. He also presented a paper on "Landscape Art" at the Thursday morning session. R. J. Coryell, '84, and L. R. Love, '96, were also in attendance.

James W. Toumey, '89, after graduation was assistant in botany. From here he became professor of botany and entomology at Tucson, Arizona, and, more recently, the expert in charge of tree planting in the arid regions for the U. S. Department of Agriculture. In August he is to become one of the professors of forestry in the new department of Yale University.

Mechanical Notes.

Most of the castings for the shaper are now finished. Many very good castings have been obtained by this term's class in the foundry. The last heat, one of 2,000 pounds, will be poured today.

A display of the work of the students in the mechanical department will take place in the mechanical building on Wednesday, Thursday and Friday. The instructors hope by this means to be able to give those outside of the department a clearer insight into the work done and methods employed. All are cordially invited to inspect this display.

H. S. K.

A Promising Sport.

Enclosed herewith is a stalk of wheat of what seems to be a new and extra early variety.

In 1898 I discovered in my field of Golden Chaff wheat a single stool which was earlier and had larger heads and longer straw than the other wheat. I kept it separate and planted it by itself. It was a red wheat. I took particular pains to keep it separate from the other wheat which grew not far away. From the six heads of red wheat I harvested 2½ pounds of as mixed a lot of wheat as could be put together. Some was very red, some very white and the rest of all shades and grades of color between the two. I carefully sorted it out, sowed the red by itself, the white next plot to it and next the mixed colors. The white can now be very readily dis-

tinguished by the stalk from the other. It is all breast high and headed out like the sample I send which is an average specimen. To all appearance it is at least two weeks in advance of any other wheat in this vicinity. Cap Sheaf wheat, which I sowed beside it the same day, shows no sign of heading out yet. It is a curiosity to me because of the mixed varieties which came from a single kernel. It seems as if it must have mixed in the head as I know positively there has been no mixture in any other way and I had always supposed it impossible for wheat to mix in the head when growing.

F. HODGMAN, '62.
Climax, Mich., June 1.

COMMENTS BY PROF. SMITH.

The sample of wheat in the straw is an unusually tall one for this season of the year, being fully fifty inches tall and fully headed out.

It strikes me that the kernel of wheat producing the stool referred to, from which the seed producing this sample was taken, may have been a stray kernel of some other variety dropped in the Golden Chaff seed by accident. The stool itself may have been a sport. The Golden Chaff variety itself is the product of a sport, a better stool found in a field of Fultz or some similar variety.

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