

# The M. A. C. RECORD.

MICHIGAN STATE AGRICULTURAL COLLEGE.

Vol. 13.

LANSING, MICHIGAN, TUESDAY, JUNE 16, 1908.

No. 36. 37

## MANY CHANGES.

### ENGINEERING ALUMNI WILL OBSERVE THEM WHEN THEY RETURN FOR DEDICATION OF NEW BUILDING.

Former students in the engineering course who have not been on the campus in the past year or two and who are minded to come this year for the dedication of Engineering Hall and other commencement functions, will observe many changes.

Engineering Hall, as becomes the importance of the engineering work, is the largest and most imposing building on the campus. It provides 44,000 square feet of useful floor space for the engineering department, exclusive of halls, lavatories, etc., and contains the class rooms, offices, drafting rooms, and laboratories for all engineering work and for instruction work in the other courses in physics, drawing and mathematics. Of chief interest perhaps are the improved facilities for engineering laboratory work. The ground floor is devoted to this feature, in hydraulics, cement and concrete, strength of materials, heat engines, and dynamo electric machinery. The first floor contains the principal offices of the engineering departments, the engineering museum, the field equipment in civil engineering, the lecture room and apparatus used in physics and other lecture rooms.

The second floor accommodates the laboratories in general physics, offices, engineering, reading room and drafting and class rooms. The third floor has the offices and drafting rooms of the department of drawing and design, as well as general class and drafting rooms. The fourth floor is devoted to general class and drafting rooms the headquarters of Tau Beta Pi, and blue print rooms.

The old mechanical building is now devoted exclusively to the shops, for the better accommodations of which the following changes have been made.

1st. The east wing is now a single room devoted to foundry work.

2d. The machine shop has been extended to occupy the drafting room and offices at the north end of the ground floor.

3d. The wood-working department occupies the entire second floor.

4th. The forge shop occupies the space formerly used for wood turning and experimental engineering.

5th. Wash and toilet rooms have been fitted up in the old engine room.

6th. Considerable additions to the shop equipment have made

The enrollment of engineering students for the past year is 485 and the present senior class has 47 engineers.

The teaching force in engineering numbers 30. Former students will miss the presence of W. S. Hold-

worth, whose death last summer ended a life whose indelible impress was left on the college and its students during the many years of his service in the department of Drawing and Design. Many others of the teachers of former days will not be found in their accustomed places, having gone to other fields of work.

The Engineering Hall will be dedicated on Monday, June 22, at 2:00 p. m. Following is the program for the occasion. The exercises:

Music ..... Overture  
Invocation, Rev. Wm. C. Hicks, Lansing  
Music ..... Cornet Solo  
Announcements.

Music ..... Bohemian Girl.  
Address.—"The Education of an Engineer," by Dr. Rolla Clinton Carpenter, of Cornell University, Ithaca, N. Y.

Music ..... March

If the weather permits the exercises will be held in the grove in front of the Armory. If not they will be held in the Armory. After the exercises Engineering Hall will be opened to visitors. Fischer's orchestra will furnish the music.

## A LETTER FROM PORT ARTHUR.

Prof. Hedrick recently received a letter from Edna P. Rupert, '05, written from Port Arthur, Manchuria. Miss Rupert is traveling in the east with her father and mother, her father being a traveling salesman there.

Speaking of Port Arthur she says: "Port Arthur is a most interesting place also the surrounding country. Coming up from Dalny we passed through the heart of the battle grounds. The hills were a perfect network of trenches, some wide and deep, some narrow and shallow. Breastworks were numerous also. On one hill were two cannons, left just as the Japanese captured them. Kuropatkin's fort was nothing but a huge pile of dirt. It originally was a hill, but the Japanese had tunneled under it and blown it entirely to pieces.

"Two hundred three Metres Hill seems to be an ordinary hill, but is the highest and commands the western and eastern harbor. The possession of it meant a death blow to the enemy. However, the Japs won it with terrible loss of life and now skulls, bones, etc., can be seen lying around. There were so many men killed that they just covered the entire mass with dirt and walked over them. Now the thin dirt has washed away in places and exposes them. The Chinese also dig around to find money." \* \* \*

"In the harbor are sunken vessels just where the Russians put them to help defend the entrance to the bay."

Miss Rupert has been through most of Japan, Manchuria and Southern China and expects soon to go to Manilla.

Prof. Ryder will teach in the Mt. Pleasant Normal summer school.

## JUNE WEDDINGS.

June bids fair to keep up its usual reputation as a month of weddings. Among those already announced which closely concern M. A. C. people we notice the following:

Tuesday, June 9, at the home of the bride's parents in Lansing, occurred the marriage of Miss Mary Mildred Mathews, '06, to Mr. Gilbert W. Hebblewhite, also of '06. Mr. Hebblewhite is a draftsman at Chicago, where they will make their home.

Invitations have been issued for the marriage of Mr. Wm. Morton Barrows, '03, to Miss Eleanor Burton Thursday evening, June 25, at Appleton Chapel, Cambridge, Mass. At home after Oct. 1, at Durham, New Hampshire.

The marriage of Mr. Edwin S. Good, '03, and Miss Louise Austin Millikan will be solemnized at Warren, Ohio, Wednesday, June 24. At home after September 15, at Roseneath, Nickolasville Road, Lexington, Ky.

Miss Zoe McConnell, with '09, and Mr. Palmer Edgerton, a graduate of Purdue University last year, will be married June 17 at Marion, Indiana. They will reside on Mr. Edgerton's farm near Marion, Indiana.

Invitations are out for the marriage of Mr. Victor R. Gardner and Miss Bernice Mae Jackson, both of '05, at the home of the bride's parents on Thursday, June 25th, 1908.

Ray Burpee, with '05, and Miss Lucy Wood were married at Cosmopolis, Washington, June 10th.

The marriage of Mr. Alexander Fisk, '05, and Miss Margaret McKay, of Chicago, occurred in that city at high noon, June 11.

The marriage of Miss Edith McDermott and Mr. Wm. H. Lawrence, occurred at Pullman, Wash., June 9. Miss McDermott was at the head of the department of Domestic Science Department when it was first established at M. A. C.

## ATHLETIC COUNCIL MEETING.

At the regular monthly meeting of the Athletic Council, Mr. Thatcher's acceptance as assistant coach for the ensuing year was received. Those to receive baseball monograms are: Capt. Ellis, Vaughan, Peterson, Crissey, Baker, Vance, Harrison, Mills; and those to receive track monograms are: Capt. Carr, Oviatt, Allen, Bignell, Wheeler, White, G. C., Carleton, Small, Courtright, Gilbert, Baker.

In addition to a monogram, Capt. Carr is to receive a blanket for his faithful work, while the other track men who have been on the team two years are to receive jerseys. It was also decided to give those baseball men playing their second a sweater vest.

The College Luncheon advertised for Friday noon has been given up for this year.

## ALUMNI

In the Record office there is kept a card catalogue of all students who have ever been connected with the college. In order that this may be kept up to date, please notify us of any change of address or occupation.

W. J. WRIGHT, Editor.

'88.

Dr. and Mrs. N. S. Mayo, both of '88, announce the birth of a daughter at Havana, Cuba, June 8.

'95.

Guy Stewart, of the above class, made the college a visit last week. He is now in the employ of the U. S. Department of Agriculture at Lansing.

'95.

G. L. Stewart, '95, of Washington, spent a few days last week upon our campus.

'02.

A. H. Case, '02, made the college a short visit last week. He is now with the San Pedro Gold and Copper Mining Co. at San Pedro, New Mexico.

'04.

Robert J. Baldwin will teach in the science department of the Traverse City high school next year.

'05.

An incident which comes to our notice and which serves to illustrate the absent mindedness of our good friend, Alex. Fisk '05, occurred at his marriage in Chicago recently, notice of which appears in another column. The ceremony was to have taken place on the evening of the 10th and all preparations were made for the happy event, the guests had arrived, the good parson was present and the happy bride-to-be was already dressed for the occasion when it was discovered that Alex. had forgotten the license and the ceremony had to be postponed until the next day at noon.

'05-'07.

Miss Bertha K. Muehlman graduated from the Rochester Athenaeum and Mechanics' Institute Thursday evening, June 11. Miss Muehlman was a special student here during the above years.

## NOTICE.

In view of the fact that the debating prizes have been withdrawn and that the faculty have decided to give no credit for debating work, the English Department will hereafter give no credit for preliminary and inter-collegiate debating.

Further, the department with these limitations feels that it is not warranted in assuming charge of further inter-collegiate debate. It will stand ready to aid any other department or the debating society in preparation for future contests, so far as the public speaking part of the work is concerned.

THOS. C. BLAISDELL,  
Head of Dept.

The M. A. C. RECORD

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TUESDAY, JUNE 16, 1908

"Don't flinch. Don't foul, but hit the line hard."

A GREAT ENTERPRISE.

Club Boarding Association Does Much Business.

Few who eat regularly at the clubs ever stop to consider or have any idea of the immense amount of food stuffs used during the year or the amount of business handled by the association.

The truth is, however, that there is bought by Mr. Groat, the purchasing agent, and used in the clubs an amount nearly equal to the business of a large city grocery. In fact the business of buying alone is sufficient to keep one man busy during the entire time to say nothing of the work of the stewards and book-keeper in keeping the accounts.

The following figures give some interesting data in regard to last year's business which is considerable less than that of the present year, the exact figures of which are not yet obtainable. There were bought last year bread and sweet goods to the amount of \$2,200.00, meat under contract to the amount of \$9,132.63, nearly 700 gallons of milk costing \$4,000.00, 14,500 lbs. of flour in addition to the bread and sweet goods bought from the bakery, 130 bbls. crackers and 18,829 lbs. commercial cookies, ten tons of sugar and 400 lbs. baking powder. Breakfast foods are bought in five and ten case lots thereby getting the lowest fraction of discount to be had. When the local fruit crop is abundant contracts are let for thousands of two-quart cans of different varieties, the clubs usually canning their strawberries before college closes.

Beside fresh vegetables, canned vegetables to the amount of 14,500 cans are used and about 3,000 bushels of potatoes.

In the drink line there was something of a falling off, but 1 1/4 tons of coffee were used, 500 lbs. cocoa and five chests of tea besides a large part of the milk mentioned above.

There were used to cook this food 85 tons of coal and a car load of wood and for washing and cleaning utensils, etc., 100 boxes of soap and 25 cases of washing powder.

Goods are bought of wholesalers in Detroit, Chicago, Grand Rapids, Saginaw, Toledo, and wherever the best goods can be bought at the lowest prices, always buying at home when quality and price are the same. The total expenditure of the association last year was about \$37,000.

The average price of board was \$2.58 per week.

PLANT CATCHES MOSQUITOES.

ONE IN BOTANIC GARDEN IS DOING ITS SHARE TO EXTERMINATE THE TROUBLE-SOME PESTS.

Nature seems to have taken pity on the residents of the college who have been suffering from the hoard of mosquitoes which have made life out of doors almost unbearable, and has set about to do its share toward rectifying the mistake it made in producing the human tormentors in such abundance.

The sophomore botany students, while investigating in the botanic garden a few days ago, discovered that a small perennial plant with small white flowers, somewhat resembling those of the white lilac but with a shorter tube, was catching mosquitoes, and not only that, but holding them until they died. The name of this benefactor of the race is the *cynanchum acuminatum*, and it operates as follows:

Along the face of the flower are five little slits serving as guides to the tongues of nectar loving insects and these slits, being wider at one end than the other, catch the tongue of the insect when they attempt to pull them out and, in the case of the mosquitoes, hold them fast until they die.

Though we are very grateful to this little plant for what it does in reducing the superabundance of mosquitoes, its action in this respect is purely accidental and far from the purpose for which it was designed.

A great many plants have some special means of distributing their pollen in which insects bear an important part. In the case of the above named plant the arrangement of the slits is designed to catch the tongues of stronger insects which are able to pull them out and at the same time turn part of the flower wrong side out, exposing the pollen and getting some of it on themselves to be distributed to other plants. Mosquitoes and other weak insects are not strong enough to do this and so are held fast, and thus defeat the purpose of the plant.

Among the insects found caught in these flowers were several species of mosquitoes of both sexes, but mostly males, a small moth, a fly and a few small beetles.

This discovery also brings out the interesting fact the male mosquitoes live on nectar from flowers and that females also take an occasional drink when they find no warm blooded victims.

It has been suggested that Dr. Beal be given a large appropriation to be used in growing these plants and setting them about the campus.

The following stewards have been elected for the coming year: R. S. Wheeler, A; N. B. Hubbard, B; G. H. Stephen, G; E. P. Bushnell, B.

STUDENT COUNCIL.

At the last of the regular meetings of the student council held on Friday last the business of the year was finished and recommendations drawn up for the use of the succeeding council.

While the council has accomplished no startling results, the work of the term has been a signal success. We look forward with confidence to the time when this organization can be made an effective instrument in the hands of the student body. That time will come when its relation to college activity becomes more clearly defined, and its methods of work perfected.

With regard to the present regulations and customs we may say that the spirit in which they have been received and carried out is highly satisfactory. Of course there have been individual infractions of these rules, but we think that the growing sentiment in their favor as they become more and more time honored will insure their success.

Among the matters taken up this term was that of the adoption of a college pin to be worn by seniors and alumni. This idea was suggested by the present senior class. Designs were obtained from makers and suggestions received from other sources. The result seems to favor some new design, such as the college seal with the date of the founding of the college, or a bust of the founder together with date of founding, etc.

The idea of a college periodical, edited and managed by students, was also taken up. The organization of student publications of the Michigan colleges was investigated. From what was learned from this and other sources the census of opinion seems to be that a monthly publication in magazine form could be made a success at this college.

The committee on campus advertising conferred with the council. As promiscuous advertising is unsightly the council recommends the placing of large billboards in conspicuous places. This is being done, and in return we recommend that all advertising by students be confined to these boards. Pride in the appearance of the grounds and buildings should be a sufficient motive for carrying out this recommendation.

To make the observance of "student night" more formal and impressive, a large banner has been made which is to be handed down with appropriate ceremony from year to year by the outgoing senior class to the keeping of their successors. This ceremony will mark passing of the senior class from college activities.

The numerals of each class in the class colors will be placed upon this banner as they retire, and in time it will become a much prized possession of the students. The banner is to be furnished by the present senior class. The "student night" parade will form in front of Williams Hall next Thursday night headed by the seniors. The procession will then march to a spot in front of the Women's Building where the formal transfer of the banner will take place, after which the seniors will drop out of the procession. The remainder of the program will then be carried out as planned by the juniors. The burning of the freshman and "prep" caps will be in charge of these classes. As stu-

dent night is to be a college affair, every student should give it loyal support, even to the extent of financial aid, should the junior class decide to request the same from the student body.

HARRY H. MUSSELMAN,  
F. M. BARDEN,  
Committee.

LAST MEETING OF HORTICULTURAL CLUB.

The Horticultural Club held its last meeting of the year last Wednesday evening. Two very interesting talks were given by seniors.

Mr. J. Boyle spoke on The Effect of Handling and Spraying on the Keeping of Fruits. In outlining his experiment which was begun Oct. 1, 1907, and finished May 15, Mr. Boyle says that Northern Spy apples after being in cold storage for seven months gave the following percentage of decayed fruit for the several treatments to which they were subjected:

	DECAYED.
Standards in common boxes	13%
" " slat crates	22%
" " tight "	7%
" hauled six miles on a springless wagon	28%
Small unblemished fruit	8%
Standards, poured into barrels from top	26%
Scabby fruit	15%
Wormy	29%

In summing up the treatments mentioned above, which are commonly practiced, and adding the per cents. of decayed fruit as results, it is easily seen how many farmers lose 50 or even 75 per cent. of their stored apples by careless handling.

Mr. H. M. Conolly, the second speaker, talked on Possible Improvements of Our Campus. This problem was the work of Mr. Conolly's thesis. Among his suggestions he proposes to build a new and modern range of green houses east of the horticultural laboratory to take the place of the present inadequate range. In improving the grounds in the vicinity of the proposed green houses Mr. Conolly suggests the planting of a large rose garden, and formal treatment of the immediate grounds, and making a sunken perennial garden of the place now occupied by the pond in rear of the Women's Building. It was shown very plainly how such improvements would add to the efficiency of the horticultural department, and to the beauty of the campus.

The following officers were elected for the fall term:  
Mr. W. Postiff, President.  
Mr. R. C. Brodie, Vice-president.  
Mr. G. W. Lindsley, Secretary  
Treasurer.

CARD OF THANKS.

SAULT STE. MARIE,  
Ontario, Canada,  
June 7, '08.

We wish to thank the many friends of G. A. Fuller, through your paper, for their kindness in our great bereavement. Guy had told us of the many kind hearted people there. How true! we say. We regret very much that the beautiful flowers sent were missed in our haste to get to the ferry before the last trip for the night. Thank you all, dear friends, and may you never meet such a loss.

Very truly yours,  
W. W. FULLER AND FAMILY.

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**GRANGER & GULLETT**  
WOODBURY'S OLD STAND HOLLISTER BLOCK



ABOUT THE CAMPUS

Dr. and Mrs. Beal entertained the senior girls at their home Friday evening.

LOST. — A rain coat marked "Roos Bros.," San Francisco, Calif. Return to Miss Taylor. Reward.

A heavy storm of wind and rain struck the vicinity of the college about 4:30 Saturday afternoon, breaking down several trees, blowing a window out of the Engineering Building, etc.

Miss Dorothy Moxness, formerly assistant in the chemical division of the experiment station and who has been in Baltimore, Md., since September last, has returned to Lansing as assistant in the state analysts' office.

The commencement invitations gotten out by this year's class are in many respects the most elaborate of any ever sent out by a class at M. A. C. They are bound in brown leather tied with a leather thong and contain the invitation, program of the week, commencement day exercises, members of the faculty, class officers and the members of the class by departments.

The plant of the Prestolight Co. of Indianapolis, Indiana, was totally destroyed recently by an explosion. The company was engaged in manufacturing acetelyn gas and compressing it in cylinders for use in lighting automobiles, etc. O. H. Skinner, '02, was employed by the company, but we have not heard whether or not he was hurt. The loss was \$70,000.

Secretary Brown is in Ann Arbor this week attending the 25th reunion of his class at the U. of M.

Prof. Jeffrey will teach soils and crops in the Central Normal School at Ypsilanti during the summer session.

The examination schedule has been published and is posted on the bulletin boards. Examinations begin Wednesday morning.

Prof. Taft is attending commencement exercises at his alma mater, the Massachusetts Agricultural College, this week.

Dean Bissell and Prof. Vedder are in Ithaca, N. Y., this week attending the reunions of their classes, '88 and '87 respectively, of Cornell University.

The farm department is getting out a bulletin covering the first year's experiments in horse feeding and containing a treatise on the subject of feeding farm horses.

A recent count of the seedlings in the seed beds of the forest nursery reveals the fact that there are approximately 4,208,400 white pine seedlings which will be reforesting purposes.

Prof. L. R. Taft was at Milwaukee last week where he attended the annual meeting of the American Nurseryman's Association. Spraying of Nursery Stock was the subject of his address there. He reports seeing G. A. Hawley, '92, and H. A. Hamilton, special, while there.

The East Lansing Women's club held a picnic dinner on the grounds by Pres. Snyder's home Saturday.

Mr. Oliver Burke will address the Engineering Society this evening upon the subject "Concrete Construction."

For several reasons it has been found necessary to recall the announcement of the college picnic for Friday. This will not be held.

A. L. Hurd, a sophomore forestry student will spend the summer in the lumber camp of Falling and Haney at Johannesburg, Mich.

Do something for somebody always, Whatever may be your creed— There's nothing on earth that can help you So much as a kindly deed.

The Society for the Promotion of Engineering Education and the American Society of Mechanical Engineers will meet at Detroit June 24-26. Dean Bissell and some other members of the faculty may attend.

The first commencement party of the year is past and has been pronounced a success. On Saturday evening, June 13, the Sororian Literary Society held their second annual flower party in the college armory. The sides of the armory were decorated with green and hollyhocks, and in the corners were found cosy corners and comfortable

seats around the sun dial in the rustic house and the rose garden. Refreshments were served on a lattice porch, covered with morning glories and mock orange branches. The orchestra played under a large canopy draped with morning glories, festoons of roses hung from the clusters of lights and butterflies hovered among the flowers. The grand march was led by the vice president, Lena Smith, and ended in the letter S after which the programs were given out by Frank Esselstyn and Gladys Williams from flower baskets, after which dancing was held until 11 o'clock. A number of the old girls returned for commencement, among them were Harriet Angell, Matie Hendee, Inez Courtright, Ella MacManus, Bess McCormick and Alice Pettit.

**THE EUNOMIAN ELEVEN O'CLOCK.**

The eleven o'clock party of the Eunomian Literary Society, which occurred Friday evening in their rooms, was a novel affair, being in the form of a canoe party.

The evening was made more enjoyable because of the fact that the gentlemen took their coats off, thus combining a canoe party and shirt waist party into one. The decorations and programs were simple but appropriate.

The society was honored by having as chaperones Mr. and Mrs. Wright.

**BASEBALL AND TRACK SEASON CLOSED.**

**A Glance in Retrospect.**

This spring's baseball team was one of the best that ever represented the institution. Although five games were lost the schedule contained more strong teams than ever before. The five lost were to Syracuse, Notre Dame, Culver, Wabash and D. A. C., all strong western teams. In the state series M. A. C. had a clean record of victories and, on comparative scores and victories, easily led all the state college teams. Alma, winner of the M. I. A. A. championship in which but Alma and Albion were contenders, was defeated 4 to 0, while Ypsilanti, which team defeated both Alma and Albion, was badly beaten 10 to 2. The strong De Paul University team was beaten 6 to 5, while Lake Forest was defeated twice 6 to 3 and 5 to 1.

Peterson and Vaughn shared the pitching honors, and did the best work we have ever had, as is evidenced by but 33 runs scored by our opponents in 13 games, or only 2½ runs per game. The weakness of the team was light hitting. Harrison led the regulars in hitting with the fine average of .373; Baker, who shared with Peterson the title of freshman finds of the year, being second with .283. Belknap, who played in four games, had an average of .400. Capt. elect Mills scored the most runs, 12 in number and also led in stolen bases with nine. Capt. Ellis with Harrison led in fielding with but one error apiece. Crissey by his fine work behind the bat showed himself the class of the state in that department. The following regulars were granted monograms: Capt. Ellis, Capt. elect Mills, Crissey, Vaughn, Harrison, Petterson, Baker, Vance; the other men on the squad who were used in games were Belknap, Nelson, White, Vondett, and Olin.

**SUMMARY.**

M. A. C., 5; Olivet.....	0
" 6; De Paul University...	5
" 2; Culver.....	3
" 2; Notre Dame.....	4
" 4; Alma.....	0
" 1; D. U. S.....	1
" 0; Wabash.....	5
" 6; Lake Forest.....	3
" 5; Lake Forest.....	1
" 10; Ypsilanti.....	2
" 2; Syracuse.....	4
" 4; Olivet.....	1
" 2; D. A. C.....	4
—	—
49	33

13 innings.

In track meets M. A. C. was even more successful than in baseball. The results exceeding our wildest expectations. Alma was overwhelmingly defeated. Notre Dame, one of the strongest teams in the west, was defeated by a narrow margin. We won second place in the triangular meet with Wabash, and Armour Institute at Chicago, and drew 8 points in the Chicago conference meet, as a result of which Capt. Carr has been selected for the five-mile race, and the three-mile relay in the Olympic meet at London. Several of the college records, established in the M. I. A. A., have been broken, the half-mile record having been passed back and forth between Allen and Oviatt, and lowered four times during the season.

**ICE MANUFACTURE.**

Mr. Johnson, manager of the Lansing Pure Ice Co., addressed the Engineering Society at its last meeting upon the subject "Manufacture of Pure Ice." The manufacture of ice is easier than the distribution of it, because of the fact, the distribution must be satisfactory to all the customers. The people are gradually awakening to the fact, that pure ice is as essential to good living as pure food. The process is quite simple. The water is vaporized, then condensed from the steam. Finally the water is boiled, and then all solid matter is taken out by filtering. The water is now absolutely pure. 300 pounds of water are placed in a can at one time, and put in a bath tank containing brine. The tank is surrounded by a coil of pipes containing ammonia. The action of the ammonia is to reduce the temperature of the brine to 14° F. It takes about 48 hours to freeze the water in the can.

About 25 tons of ice are turned out daily. The business of the Lansing Ice Co. has been very successful within the last year.

'07.

W. B. Allen, '07, of Jackson, Mich., spent Sunday at M. A. C.



**YOUNG LADIES**

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