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Stage Set for First Summer Prom

Postpone Fund Bill Once More; Reject Ouster

Senate Again Delays Consideration of University Appropriations to Aug. 7

Consideration of the university appropriation bill will come before the senate as a special order next Wednesday at 9:30 a. m. At that time the amendments removing the surtax clause to finance the university budget will be considered. The Kohler-Stalwart majority in the senate is determined to vote down the surtax clause written into the bill by the assembly, thus reverting to mill taxes as a method of financing the university.

By a vote of 26 to 4, Sen. John C. Schumann's resolution demanding the resignation of Dean Harry L. Russell of the college of agriculture, was rejected Wednesday afternoon in the state senate.

Senators W. S. Goodland, A. M. Miller, and H. J. Severson were the other three who joined Schumann in support of the resolution.

In his resolution, Schumann declared that Pres. Glenn Frank has had the resignation of Dean Russell for nearly two years and demanded the immediate acceptance of the resignation by the board of regents.

"If you want to get rid of Dean Russell, the best way is to withdraw this resolution because if it is rejected he can say he has the support of the state senate," advised Sen. Thomas Duncan, but was unheeded by Schumann.

U. S. Fails to See Future-Potter

Professor Believes America Will Enter World Court Soon

"America, though consistent in her devotion to principles, has neglected in the past to examine the situations of her foreign policy; she has neglected to think where she is going," stated Prof. P. B. Potter in his talk, Thursday afternoon, on "Future American Foreign Relations and Foreign Policy."

Prof. Potter said that our foreign relations of the present are likely to be dominated, to a certain extent, by our foreign policy of the past. "We follow our principles because they have served our national interests in accordance with our national life."

The geographical, economic, social, and physical facts of life have created certain interests, Prof. Potter stated, and because of these interests we have developed certain policies which will not change unless the facts change.

"In spite of the change in our increasing population, our decreasing fear of other nations, the lessening of our need for borrowing money, our increasing population and investments abroad, we are likely to go on preaching the freedom of the seas and the open door policy as we have in the past," Prof. Potter stated.

Our policy of forming no alliances with foreign powers is likely to become stronger, Prof. Potter thinks. The neutrality policy must be interpreted wisely and sympathetically.

Our relations with the League are likely to develop. We shall continue to participate without membership and increase our scope as the League increases. Prof. Potter thinks we are likely to be taken in as a member of the permanent Court of International Justice in the coming winter.

Prof. Potter believes that the United States must act out of consideration of American welfare in her relations with other countries. She will take such actions as will serve American

(Continued on Page 2)

Three Leaders of Brilliant Promenade Tonight



JOHN CATLIN



DOROTHY DAVIS



WILLARD MOMSEN

Liliom Marks End of Players Short Season

By IVAN DOBROVSKY

The University Players, directed by Prof. William C. Troutman, are closing this week-end a summer season of splendid dramatic activity with, in many ways, a memorable presentation of "Liliom," characterized by its wealth of interpretative and decorative art.

Long after the audience leaves Bascom theater one is pursued by that Hungarian apache, the Sparrow, so splendidly and with such astounding vividness reproduced by Louis Mallory.

Don Ameche in the title role of that charming bully, Liliom "with the making of a man," showed the other night not merely vigor and personality but the conscientious effort and skill to control the difficult emotional

(Continued on Page 2)

White Pleads Not Guilty;

Hearing Set for August 7

Pleading not guilty on a charge of fourth degree manslaughter, John J. White, a senior in the commerce school, was held under a \$2,000 bond and a hearing set for August 7 when he was arraigned before Judge S. B. Schein of the Superior court Friday afternoon.

The charge resulted from the death of Eunice Edwards, a junior at the university, who was killed by a collision between a car in which she was riding and an automobile driven by White last July 15 at Kendall and Randall avenues.

A reading of the complaint was waived by his attorney, Harry Sauhoff. White is from Beardstown, Ill.

until he was elected to the bench.

Cup o' Coffee
Absent-Mindedness Costs
Him \$20 Bill
for One

A plea for the student, to whom he absent-mindedly handed a \$20 bill yesterday morning, to return the money is being made by Otto Stowe, 709 University avenue, counter-hopper for the White Tower on 260 State street.

Sometime around 8 o'clock in the morning, a stranger—Stowe has a hazy recollection of his appearance—came in, asked for a cup of coffee, drank it and tendered a \$10 bill for payment.

"Sorry, sir," said Stowe as he rummaged in the cash register, "I haven't got enough small bills to change yours."

"But," replied the customer, "I've got only four cents with me."

"That's all right, sir," assured Stowe.

The counter-hopper turned around and absent-mindedly handed him the \$20 bill from the box, thinking it belonged to the stranger.

The stranger hesitated—Stowe now remembers—then pocketed the money and left. Not until later did Stowe discover his mistake.

"I think he's a student," relates Stowe. "I shall put up signs on the campus asking him to return the money. That \$20 will have to be paid from my own pocket—and it's hard as I haven't got much money. Will you please do what you can for him to return it?"

Judge H. C. Bell on the Lincoln county bench for the last 20 years died Friday at Tomahawk, Wis. He was born in Tomah in 1883, and after graduating from the university in 1900, held a number of public offices there

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De Haven Unravels Last Travel Yarn

(Continued from Page 1)
every other Jewish holiday and he has to have a wardrobe that would set Gelvin's up in business on the other side of the street. Hollywood is a great place for policemen and bread lines.

I listened in on a conversation between two stars in a cafe. Lewis Stone said to Gary Cooper, "Nice day."

"Yeah," answered Cooper.

"Summers weary me. It must be this two-piece underwear."

"Underwear wearies me too."

"More water?"

"Yeah."

"Cigarette?"

"What kind?"

"Lucky Strike."

"Never heard of them."

"The first pack in Hollywood. A salesman gave it to me."

"Who was he?"

"One of the stars earning Christmas money."

"Nice day."

"Yeah."

I was thrilled to pieces. An odd number, I believe.

Beverly Hills where Will Rogers is mayor is a continuation of Hollywood as in Bel-Aire, Brentwood, Hollywood Heights and others that I can't spell and just don't care about. I priced a home in Brentwood and it was a sacrifice at \$315,000. I'd rather live in a fraternity house and get a pin for the expense.

The studios are as impregnable as Kehler's social calendar. I drove past them and thumbed my nose in contempt but they kept on making pictures. The only way to enter the movies is by paying money for a course or by taking appropriate baths as mentioned before. I wouldn't take a bath if I never acted for anything better than Haresfoot.

Now, gentle readers, believe me when I say good-bye. I trust you have been annoyed sufficiently by my interesting travelogues, and someday really, I hope to see all these things I've written about. I'm sincere if nothing else.

But I'm starting this afternoon on a five year endurance flight and won't come to for five years or something like 60 months if the new calendar is not in use by then. From time to time I'll drop notes to my public and now and then an old shoe as I wear them out at the controls. If I see any of my friends of the air, I'll wave a greeting and say that I'm going to make five years or bust. I've busted making some other things during my college careers.

Love and a lawnmower and a pledge to the Memorial Union.

United States Fails to See Future, Says Prof. P. B. Potter

(Continued from Page 1)
national interests best, rather than benefit humanity at large.

This doctrine is not in conflict with the doctrine of international welfare. We are obviously taking part in the peace movements because of the benefits we get out of it, according to Prof. Potter.

The statement that the American people must learn more about foreign affairs, Prof. Potter claims to be tiresome. Rather, members of the house of representatives and the senate should learn a great deal more. They are daily charged with consideration of many questions in which knowledge of our foreign affairs is indispensable.

Prof. Potter in his study has found several tendencies that are likely to develop in our foreign affairs. The magnitude of our foreign relations is likely to increase. We shall probably have more foreign business and contacts.

Gala Spanish Fete Held Monday Night

(Continued from Page 1)
Gibson will accompany on the piano.

An Andalusian dance in costume will be given by Trinidad de Mora and Nicolas Magaro, and an Argentine tango in costume by Lorree Maraville and Georgia R. Scheer.

A costume interpretation by Miss Carranza, with Miss Gibson at the piano, will be made of "La Cana," a popular Indian dance and song. Dolores Malecke will sing "Carmina," a selection from the opera "Carmen" of Bizet.

The players in the two skits are Beth Fisher, John A. Righino, Steve A. Anasis, Hector de Lafuente, Marjorie R. Martin, Hortense E. Henderson and Nicolas A. Magaro. Rudolph A. Jargo appears in both plays.

Park Scene in 'Liliom'



Liliom (Don Ameche) wooing Julie (Bernadine Flynn) in a lonely place of a Budapest park

Liliom Marks End of Players' Season

(Continued from Page 1)

states in which he is called to act.

Thus he woos a little servant girl, assists in murder, appears before a heavenly court, and in all those dramatic phases he employs a wide range of dramatic expression.

Bernadine Flynn displayed her accustomed grace and skill in the role of Julie, the faithful little servant girl.

Clyde Dalzell gave a remarkably well individualized type of the proud and jealous Mrs. Muskat.

Leaving aside individual acting, the charming decorative and atmospheric effects of both scenes and settings (the pictures of the Hungarian fair, the railroad embankment, etc.), less can be said for the total impression received by the play.

The allegories and the stage phantasies tempt and intrigue the imagination, but they seem not to be worth the trouble of the audience.

Thus, for example, in vain we strain our feeble imagination to discover the deep symbolic meaning in Don Ameche's mysterious request for a cigar from the divine judge. We, spectators, however, refuse to accept any guilt for disappointments of that sort.

It falls on the vague symbolism of Mr. Molnar's own production, and

also on the failure on the part of the players (with the exception of Louis

Arrangements Set for Summer Prom

(Continued from Page 1)

atmosphere of the occasion. Prom boxes may still be reserved by calling Howard Black, F. 1489, chairman of the box committee.

Tickets Going Rapidly

Tickets are selling rapidly and may be obtained until 6 p. m. today at the Co-Op, Pete Burns, Gelvin's, University Pharmacy and the Union desk. A limited number of tickets will be put on sale at the door. They are \$2.00 per couple.

Attractive programs will be given as souvenirs for this first event of its kind to be held at the university. Special refreshments in Great hall and in the Rathskeller will be served to all Prom-goers.

Special effort was expended to get the popular campus orchestra, Jack Mason and his Esther Beach band, to play for the Prom. The dance music will feature specialty singing by Jimmy Clark, well-known songster.

ITALIAN WHOOPIE

The reason Mussolini has placed a heavy tax on bachelors is because he wants every loyal family to raise a little "woppie."

Mallory) to emphasize what it is the author is after in his fable.

Otherwise, Liliom remains one of the most interesting and the best production staged by the University Theater this year.

Kennedy Dairy Co.

"Our Wagon Passes Your Door"

SPECIAL FOR THE WEEKEND

FRESH PEACH

Badger 7100

629 W. Washington Ave.

TODAY and Tomorrow A Calendar of Events

By RANDALL WRIGHT

Mr. Eric Miller, the chief of the local branch of the weather bureau, speaks Monday on "Hurricanes and Other Great Storms." Mr. Miller's course in aeronautical meteorology is feeling a distinct need which was born out of the rapid development of airplanes. No doubt in the future the demand for weather observers will be very great.

Gillen In Re: Wood Block Prints

The lecture given by Prof. C. F. Gillen on "The Art of the Wood Block Print" was so well received that he has been asked to repeat it. This will be given again on Monday.

Al in The Post

It has been bruited about that Tammany was through with former Governor Smith; that Tammany was out to kill politically the Smith. In that popular parlor periodical, the Sat Eve Post, there bursts forth an autobiography of Mr. Smith which certainly does not make him appear at his best.

The caption of one of the illustrations reads, "Alfred E. Smith, at the age of 18, the Fish Market Period."

It would appear that the Post is subtly "belittlin'." If so, is there some "insidious connection" between it and Tammany?

TODAY

8 p. m.—Dramatic production by the

Wisconsin Players: "Liliom." Admission \$1. Bascom theater.

SUNDAY

There will be morning worship of the churches of the city. A directory of the churches and announcement of the services may be found in this issue of the Daily Cardinal.

MONDAY

11:30 a. m.—Lecture: "Home Economics in Journalism," by Miss Ellen Pennell, associate editor of Successful Farming. 18, Home Economics building.

2:30 p. m.—Lecture: "The Art of the Wood Block Print," by Prof. C. F. Gillen. Assembly room, Memorial Union.

3:30 p. m.—Illustrated lecture: "Hurricanes and Other Great Storms," by U. S. Forester E. R. Miller. 112 Bascom hall.

4:30 p. m.—Lecture in German: "Hugo Bertach, ein deutscher Erzähler Amerikas," by Prof. Adolph Busse of Hunter college. Lecture room, Law building.

7:00 p. m.—Informal musical evening under the direction of Prof. E. B. Gordon. Community singing; musical numbers by the orchestra. Auditorium, Music hall.

8:00 p. m.—Spanish "Fiesta." Two playlets by Benavente and Quintero. Spanish and Mexican songs; Indian and Andalusian dances in costume. Admission 35 cents. Lathrop concert room.

It must be heroism which has led so many thousands of women to forsake their joyous profession of home-making and motherhood for the thorny path of literature.—Howell Davies.

She was only a steno---

But—one didn't like her type.

You'll be pleased with the work we turn out though. We have "stenos" who will get your themes and topics out in time for that eight o'clock class. And the cost is so slight—and your marks that much higher.

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of
Badger Teams

CARDINAL-SPORTS

Athletics in
the
Collegiate World

Kaner-Siegal Share Doubles Crown

Beat Saunders' Team in Hard Fought Match

Victors Display Good Tennis;
Win in Four Sets, 7-5;
5-7; 6-4; 6-4

By JACK WILLEM

The tennis doubles team of Oscar Kaner and Howard Siegel today wears the crown of tennis champions for the summer session of 1929. The pair gained their right to the championship Thursday afternoon on the varsity courts when they defeated the Saunders brothers in four sets, 7-5, 5-7, 6-4, 6-4.

The match concluded the doubles tournament conducted by the athletic department under the supervision of Fred M. Evans in which 13 doubles teams started off some three weeks ago. The winning team of Kaner and Siegel drove through their opposition in the first two matches without the loss of a single set, but in their semi-final match with Stephenson and Longacker Wednesday they were extended to five sets before gaining the right to enter the final round.

Played Together Much

The Saunders boys have been playing together since early boyhood, and in the final match Thursday they displayed the same team work that has marked their play throughout the entire tournament. The winning team was not one put together hastily either, Ossie and Howie having played in doubles tournaments now for almost five years, but their play in the championship match was more outstanding for individuality than for team work.

The opening game of the title match was characteristic of most of the games in the match. It was Saunders' service and the score was deuced before the brothers were able to take the game. Siegel's service was good in the second game and the pair broke up Clayton Saunders' serve in the third game to forge into the lead. They took the fourth, but dropped the fifth after the score had gone to deuce several times.

Brothers Rally

Kaner and Siegel took the next game to lead the set, 4-2, but here the brothers braced and took the next three games to forge ahead, 5-4, two of the games going to a deuced score several times.

Siegel then took the tenth game on his own service, and after a prolonged deuce affair the winning pair managed to break through Clayton's service to lead 6-5. Kaner sewed up the first set by winning his service after two double faults, taking the deciding game.

Set Goes to 7-5

Kaner and Siegel continued their victory march in the first two games of the second set, but then the Saunders brothers braced themselves and took the next three to lead the set. The winning pair took the next game, largely due to Kaner's steady playing, and the games were even at four all. Vint Saunders took his own service, and Kaner followed with his to make it five all. The Saunders' took the next game at love, and then ran out a deuced game to win the set, 7-5.

Win Love Game

With the sets even at one apiece, the Saunders' ran out the first three games of the third set to take a commanding lead. Kaner stopped the rush on his service in the fourth game, but Clayton won his service to make the Saunders' lead 4-1. At this point Kaner and Siegel began their victorious march to the championship. They ran out five straight games, two of them love affairs, to win the set that gave them the advantage, 6-4. This gave them a set lead of 2-1.

Vint Saunders took the opening service in the fourth set to win a love game, but Kaner retaliated by shutting the Saunders out in the second game to even the count. Clayt Saunders was unable to win his service in the third game, and Siegel dropped the fourth game to make the game count at two all. Vint took the fifth game, and the Saunders led momen-

Tennis Singles Reach Semi-Final Round in Tourney

With the summer session doubles tennis tournament completed on Thursday, giving Kaner and Siegel the title, campus tennis followers are watching with interest the outcome of the singles tournament. The quarter-final round has been completed and four contestants will meet in the semi-final round early next week.

Haworth entered the semi-final round Thursday by virtue of his victory over Longacker in straight sets, 6-2, 8-6. He is paired with Vint Saunders in the semi-finals, the latter gaining the semi's with a straight set victory over Stephenson. Jandrey, who was to have met Alexander in the quarter-finals, defaulted to the latter and as a result Alexander will meet Lhevinne in the semi's.

The semi-final round matches are to be five sets, three out of five, and will be played on the varsity courts at Camp Randall. The finals will be played at the same place as soon as the semi-final round has been completed.

Iowa Grid Record Shows Minor Part of Try-for-Point

Iowa City.—The try-for-point after touchdown, subject of much controversy in the gridiron world, has affected the final result of only three games played by the University of Iowa football teams in 40 years.

This comparatively insignificant part of the one-point attempt in the entire history of Hawkeye football has been discovered after a search of the records in the department of athletics.

One of the trio of games was the contest with Minnesota on Iowa field last October. Each team scored a touchdown in the fourth quarter, Minnesota with Fred Hoyde's 90-yard run; Iowa with Oran Pape's 65-yard sprint. The Gophers, however, failed to achieve the extra point on a place-kick attempt. Irving Nelson, sophomore substitute, made his sole but important play of the game when he coolly drop-kicked the ball between the goal posts for the winning point.

It was in 1909 that victory or defeat hinged upon the try-for-point in the other games. Missouri scored two touchdowns and kicked one goal for 13 points, but Iowa could make neither goal after a pair of touchdowns, and lost, 13 to 12. Another Missouri Valley team, Nebraska, could have beaten the Hawkeyes with the point after touchdown, and Iowa could have beaten the Cornhuskers. Both attempts failed, however, and the 6 to 6 deadlock was the final result.

IOWA STAR OUT

Iowa City.—Vincent L. Schleusner, University of Iowa all-conference tackle, will not be eligible for the 1929 football season. He was dropped from school after the first semester last year, and has been refused permission to remove scholastic deficiencies, it became known here Friday.

tarily, 3-2. Kaner and Siegel took the sixth, but the Saunders retaliated in the seventh to still lead, 4-3. A long deuced game was the turning point in that deciding set, Kaner and Siegel finally winning to tie the count. Clayt Saunders' double faults in the ninth game gave the victorious pair the advantage, and Kaner's service in that last and deciding match game brought about the Saunders' defeat.

The match was marked by some fast and sterling net play on the part of both teams, the Saunders attempting to break up the Kaner-Siegel combination time after time with high lobs across the net, but expert judging of these lobs brought about fast "kills" and needed points for the winning pair.

The shining light in the Saunders' combination was the playing of Vint Saunders, whose low, tantalizing service played around the recipient's shoe tops, and whose returns were accurately placed. In the Kaner-Siegel duo, the steady playing of Kaner was by far the outstanding feature. Siegel was erratic at times, only occasionally flashing real tennis skill.

Grubb Hurls Medics to Win Over Blues, 2-1

Allows But Two Hits as Mates
Garner Four
Blows

For the first time since the summer session ball season got under way about four weeks ago a real ball game rewarded the fairly large crowd which surrounded the diamond on the lower campus Thursday afternoon, when the Blues lost to the fast traveling Medic aggregation in five innings, 2-1. Tuesday the Blues and Millers meet in the last contest of the summer session.

The affair was a pitcher's battle all the way. Poser returned to the mound after a long absence, and proved that he still possessed some trickery in that arm of his and set the hard hitting Medics down with four hits, the smallest number they have been allowed all summer, but some ragged fielding on the part of two of his mates kept him in hot water in most every inning.

Grubb in Good Form

Grubb, on the hill for the Medics, was in good form, and only two hits were gleaned off his fast ones, only one of the hits figuring in the scoring. He walked four men in the five stanzas, and two walks aided in giving the Blues their only run of the game. In the third inning Grubb had the distinction of walking two men, allowing one hit, a double, and striking out three men.

Cuisinier, playing centerfield for the Blues, either is getting too fat or else he had a hoodoo charm on Grubb, because in three times at bat he was tickled in the ribs twice and was walked once, officially not being at bat at all.

Cuisinier, Gantenbein Error

The only try Cuisinier had in center field he muffed at bat he seemed lucky. Gantenbein made two errors in five chances, and at bat he popped out to Beyler the first time, fanned the second time, and rolled weakly to Beyler in his last appearance.

The Medics were the first to score in Thursday's battle. Beyler led off with a rousing double to left for the first hit of the game. Schultz fanned, but Ferris got to Poser for a single to left that scored Beyler with the first marker.

Blues Retaliate

The Blues retaliated in the last of the third when Griswold walked, and on a hit and run play scored as Simonson sent a screaming double to left center. Simonson died on second, however, as Gantenbein fanned, Cuisinier worked Grubb for a walk, and Minton and Chimelewski fanned.

Neither side scored in the fourth, but as the fifth opened with the score knotted, Grubb decided it was time to win his own ball game, so he connected with Poser's second pitch for a long triple to right. Koob tried hard, but could not connect, and fanned. Gantenbein then pulled a bright error on Morgan's drive and Grubb scored with what proved to be the winning run.

BOX SCORE

	AB	R	H	E
Medics—				
Koob, cf	3	0	0	0
Morgan, if	3	0	0	0
McCance, 2b	3	0	0	0
Peterson, 1b	3	0	0	1
Beyler, 3b	2	1	1	0
Poser, ss	2	0	1	0
Ferris, rf	2	0	1	0
Christy, c	2	0	0	0
Grubb, p	1	1	1	0
Totals	21	2	4	1
Blues—				
Griswold, 3b	1	1	0	0
Simonson, ss	3	0	1	0
Gantenbein, 1b	3	0	0	2
Cuisinier, cf	0	0	0	1
Minton, rf	3	0	0	0
Chimelewski, 2b	2	0	0	0
Lynaugh, c	1	0	1	0
B. Poser, p	2	0	0	0
Wrend, if	2	0	0	0
Totals	17	1	2	3
	AB	R	H	E

SCORE BY INNINGS

Medics 01 001-2

Blues 00 100-1

Or What Have You

By JACK WILLEM

Vint Saunders, who is still in the running for the campus singles title, was captain of the Missouri tennis team, and has won many collegiate and state titles around the Missouri valley territory.

Besides being an expert with the racquet, Vint can also handle the driver and mashie expertly. He is a contender for the Burr Oaks golf championship being played on the Burr Oaks links. He will meet H. Vintense in the finals next week.

Vint has a low, tantalizing service that skids to the knees of his opponents, and in the match Thursday he almost continually played that service to an advantage.

Oscar Kaner, of the winning combination, played one of the steadiest games this writer has ever seen. It was his cool and determined playing that brought point after point over to his side.

He holds the Northwestern tennis title that was played up around Duluth last year, but was forced to decline an invitation to defend his championship this year due to business reasons.

Siegel is a rather erratic player... brilliant at times on both offense and defense, but his service was rather weak and wild most of the time. He came through in the closing games of the third set to bring victory, however.

We now pick Haworth and Alexander to enter the final round of the singles tournament. Haworth by virtue of his playing in the Dane county meet not so long ago, and Alexander by his impressive wins in the tournament thus far.

Haworth defeated Kaner in the first round of the tournament in three sets, dropping the first set to the doubles title sharer. He defeated Longacker in the quarter-final round Thursday in straight sets, and the finals battle promises to be a battle royal.

Haworth meets Vint Saunders in a semi-final match, and if you happen to be around the varsity courts when this match is being played you are sure to see some mighty good tennis.

Art Curtiss, termed by Walter Eckersall Wisconsin's greatest football star, was in Madison for a short visit the other day. He is by no means a big man, although football in his day brought every play into action... and legally.

Eckersall contends that Curtiss was one of the greatest tackles of all time... and that if he were playing today he would be the outstanding player in the country, combining terrific driving speed with great agility and a sixth sense for diagnosing the directions of coming plays in the line.

As the football season is less than two months away, the old tallyho is getting under way again. Thistlethwaite offers his diagnosis of potential Big Ten teams, and doesn't rate Illinois or Michigan.

Minnesota, with its wealth of man-power, will be plenty strong this coming season. According to all reports Spears has three triple threat men that are almost as good as each other.

Minnesota needs a lot of diagnosing, and experience has taught the Badger mentor that playing experience is certainly necessary when it comes to playing Minnesota.

Ticket Office Mails 60,000 Football Blanks

Alumni, Ex-Students Get Bulk
of Applications for
Grid Games

Postal officials here were swamped yesterday when Wisconsin athletic officials mailed 60,000 ticket application blanks for the fall's football schedule. Each envelope contained an order slip, one information circular and a letter from the student chairman of the 1929 Homecoming.

Alumni and ex-students will receive 50,000 of the letters from the Badger ticket office. The other 10,000 were addressed to individuals who have attended Wisconsin games the past few years, but have never been enrolled in the university. The clerks who have been preparing the material for mailing have been released until Sept. 1, when the month's return will be opened.

Urges Mailing Early

George W. Lewis, athletic business manager, is again urging everyone to mail their applications during the month of August. As in past years all orders received on or before Sept. 1 will be filed as of that date and be given equal preference. The lottery system will be used again, tickets being given as the orders are drawn.

After Sept. 1, however, orders will be filed as they are received. It is not necessary that application blanks be used in mailing for tickets. The athletic authorities merely advise their use to simplify matters in recording and filling orders.

There are five \$3 games on the Badger schedule this fall: Northwestern, Notre Dame, Iowa, Purdue and Chicago. The Minnesota game is \$2.50. Colgate \$2.00 and the opening double header with Ripon and South Dakota State \$1, with no reserved seats for the twin bill.

Wisconsin schedule is as follows:

Sept. 28—So. Dakota at Madison

Ripon college at Madison

Oct. 5—Colgate at Madison

Oct. 12—Northwestern at Madison

Oct. 19—Notre Dame at Chicago

Oct. 26—Iowa at Madison (Dad's Day)

Nov. 2—Purdue at Madison (Homecoming)

Nov. 9—Chicago at Chicago

Nov. 16—Open

Nov. 23—Minnesota at Minneapolis.

Ward Lambert to Hold Fourth Basket School

Lafayette, Ind.—Close to 100 high school and college basketball coaches from Indiana and neighboring states have already expressed interest in attending the fourth annual Lambert basketball school which will be conducted at Lake Manitou, Rochester, Ind., by Ward Lambert, Purdue net mentor, from August 12 to 24.

Lambert, who is recognized as one of the keenest hardwood strategists in the country, has been in great demand for coaching schools this summer, and has made a cross-country tour that carried him to the Pacific coast conducting classes in the art of the net game.

Summer Session Cardinal

"Complete Campus Coverage"

Founded April 4, 1892

University of Wisconsin official daily newspaper, owned and controlled by the student body. Published every morning except Monday by the Daily Cardinal company at the Memorial Union building, and at the Cardinal Publishing plant, 740 Langdon street, Madison, Wis. Printed by the Cardinal Publishing company Member of the Western Conference association.

Entered as second class matter at the postoffice, Madison, Wis.

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Publishing plant—740 Langdon street, telephone B. 1137, G. W. Tanner, plant manager.



EDITORIAL STAFF

Managing Editor	Freeman Butts, F. 7400
Associate Editor	Carlos Quirino, F. 5209
Editorial Writer	Robert Graham, F. 2500
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Protective Coloration

Nature Has Framed Strange Defenses in Its Day; Humor Is One

"A REPUTATION for wisecrackings does not always add to a man's stature," claims the delightful editorial page of the Christian Science Monitor. All of which causes us to take issue and to point out that reputations for being late, being shy, having systems, hating details, being dignified, having poise, being friendly, and all the thousand and one other things are nature's gift of protective coloration in nine cases out of ten.

To the old saying, "Laugh and grow fat," we might say, "Yes, and grow fat and laugh." There is a sort of vicious circle about the matter. And yet a fat person, a large person, can afford to laugh. Let a small person bump into him or step on his toes and the big fellow is amused at the situation. Let a small person be the victim of a so-called practical joke, an unintentional bump and he is ready to fight. He believes that people are taking advantage of his size.

For the most part, small people are apt to appear more ambitious than large folk. A short individual must have some qualities or some abilities which may be proved. A large person may often "get by" on appearance. Certainly a tall, broad-shouldered public speaker may say nothing if he has good stage appearance, but a short person must be clever or interesting to hold the audience.

"Most famous folk," says the Monitor, "do not fare so well when a Boswell is present to snap up their chance remarks." The reply of Col. Lindbergh to a reporter occasions this statement. When asked what he and Mrs. Lindbergh planned to do next, "Lindy" answered, "You might say that our plans are still up in the air." All of which does not detract from Lindbergh's stature so far as we can see. Quite the opposite, it adds to it, for the reply is well turned.

Strangely enough, most of the people who have reputations for wisecracking are small folk. Nature has framed strange defenses. When, therefore, a man cannot make an impression by his shoulders, his height, his athletic build, he often develops other weapons. Humor, cleverness, ability at wisecracking, and facility in coining phrases lifts him up to the place where he too may be noticed. If, as the Monitor suggests, a reputation for wisecracking does not add to a man's stature, it can be understood readily why wisecrackers are small or why small people are wisecrackers.

Then, too, it is possible that everything a short person says or does, like that of a child, is amusing to the big folks. It may be the incongruity of a little person thinking or saying pointed things which cause others to place too much value on them. It may be, finally, that through the great laws of adjustment, what one lacks in build and platform appearance he gains in mental qualities. For humor, after all, is not incompatible with, but rather the result of brains.

Swords Into Plowshares

And Making Bookracks of Gunracks in Honduras Is a Wise Move

RECENT news dispatches that army barracks in Honduras are now being converted into schoolhouses is a hopeful sign. It raises our estimate of the intelligence quotient of Honduras to the "exceptional" class. It proves that there are people in the world who are placing first things first.

Not only have the people of Honduras decided to make barracks from gunracks, bookbags from cartridge belts, pencil boxes from revolver holsters,

and school transports from gun caissons, but they are reducing the size of their army.

This news may not be a front-page story for the Chicago Tribune. It may not serve as dessert for militarists of our country. It may cause some concern among the R. O. T. C. propagandists. But aside from these unenlightened reactions, this move on the part of Honduras is one of the most encouraging things we have noted since the signing of the armistice in 1918.

Sooner or later we are coming to realize the childishness, the foolishness, the utter ignorance of war, standing armies, large navies, and "preparation for war in times of peace." The world will grow up eventually, even if it takes small countries like Honduras to shame it into maturity.

Stationary Travel

Curiosity and Love of New Things Satisfied in Many Ways

THE INCREASE in American tourists to Europe not only helps the European powers to pay off the war debts to the United States but it also proves that the pioneering, the roaming, the adventure blood of our forefathers is still flowing through our veins.

We are childish in our curiosity and love for the novel. We are forever seeking the odd, the strange, the mysterious. This accounts to some extent for our love for fraternities and secret fraternal orders and our love for ritual and other trappings in religion.

The appearance in Madison Thursday of the circus, however, proves that there are more ways than one of satisfying this urge to roam and see. Here under the "big top" was gathered together local color of the four corners of the world. And as many adults enjoyed it as children.

The radio, the newspaper, the talking movie, and many other things have made it possible to go traveling while sitting at home. But whether it is stationary travel or real travel, we shall continue to see things which are different, to escape monotony through change of scenery, and to feed our hungry love for the mystic with glimpses at the hitherto unknown.

... Time ..

By LITA LISK

Time cannot take from me the memories, Of happy days, the melodies I learned and sang at my read mother's knee, Nor dull the tales of wonder that she told to me. Time, who is a robber bold, Can only take my youth, and make me old. . . . Lady Autumn . . . A garden in the autumn Is as a lady, frail and old With hair turned white as hoar frost, Awaiting death, the cold. And 'round her lie the fruits of toil, Rich jewels, gold and green, Adorn her dress of shabby brown, A flash of red is seen. The crimsoned leaf, the purpling fine, The gentian bleu and fringed, one sees. Half wistful and content she sits, Enjoying her last vanities.

Ode to Reformed Husband

By "LITA LISK"

Well, dear, you sometimes came home late. You haven't always been sedate. You squandered more than you could afford But, at least, my dear, I wasn't bored. You've been the most abominable joker; You came home stewed; lost at poker. You talked in your sleep—yes, even snored. Nevertheless—I wasn't bored.

But since you gave up drinking gin And do admit that sin is sin; To respectable living now are restored: Ye gods, my dear, how I've been bored.

Farewell

By MARY R. HARTMAN

We stand at the parting of the ways, One path leads east, the other west. A handclasp and a last farewell— Each goes the way that he sees best.

We stand at the parting of the ways; We stop one moment, lingering here Amid our friends and scenes we love, To give our friends a last good cheer. We stand at the parting of the ways, And in our eyes there comes a tear, But hearts beat high with hope to see, To meet them all again next year.

.. "It" ..

By "LITA LISK"

Now, some girls pine if they are fat, They make complaints of this or that. It's useless, dears, to fret or twit You're all O. K. if you have "it."

It makes no diff if you're a blond Or sleek brunette—the boys are fond Of peppy girls who flirt or flit You're all O. K. if you have "it."

Other Editors Say

AIR PROGRESS

WITH all the progress that has been made in America toward the science of aviation, and with all the trans-Atlantic flights which have originated in this country, it seems now that the ultimate in airplane development so far has not been reached in this hemisphere.

European inventors, and airplane manufacturers have announced two new ships which are being manufactured, and these ships far surpass anything yet attempted in this country.

A Junkers plane, carrying 30 passengers is being constructed in Germany. This plan will be propelled by two 800 horsepower, and two 400 horsepower motors. All of these motors will be located in such positions as will make any necessary repairs easily executed. The steering gear will be controlled by an auxiliary motor, which will actuate the rudders. The cabin of the plane will be a double decked affair, carrying passengers in the top deck, and freight in the lower compartment. There will be 30 chairs for day travel, and 26 berths for night travel. The plane itself is to be complete stream-lined to lower the wind resistance, and the maximum speed will be 105 miles an hour.

Details of the other plane come from Berne. This will depart radically from any of the present types of air craft known. There will be six 1,000 horsepower motors, running six propellers, but coordinated in such a way that if from one to three of the motors fail to function, all six propellers will continue to operate. By this development, the stability of the plane at all times will be assured. The engines of the plane will be located in a special engine room where they may be under constant supervision. The Swiss seaplane will carry 100 passengers, and will have a speed range of from 118 to 155 miles an hour.

The Junkers plane is being so designed that it may be turned into an oil-burning craft. Although this type machine is not new in this country, no large plane has been built so far, using oil as fuel. The only craft which has used oil has been a Diesel type engined plane, one of which made a non-stop flight from Detroit to Washington. This particular type of machine is in the experimental stages.

It would be grossly unfair to say that this country has made little progress in the field of flying, or that the nation has not become air-minded. Last year, between 4,500 and 5,000 planes were built in United States, and the value of this output was \$75,000,000. Of this number, more than 3,000 were open cock-pit planes, and 902 were cabin planes. In 1921, only 302 planes were manufactured in this country, and all of these planes went into military service. Of the 1928 output, only one-fourth of the number went to the army and navy. This means that the rest went into the service of private owners, or commercial firms. Flying schools have become overcrowded, and those who can afford the necessary average cost of \$5,000 or \$6,000 for a plane are eagerly taking to the air. It has been estimated that the total number of miles flown by civilian planes in 1928 was over 19,000,000.

All these figures, inaccurate as they may be, tend to show that the country is making a great deal of progress in the development of the small passenger plane for the individual. The advertisements of the various airplane companies also tend to prove this point. So far, little has been said about large planes suitable for carrying a great many passengers on long trips. The recent trans-continental, air-rail trip indicates that little has been done to promote night-flying.

Although there is a great future in this aspect of flying, the value of the large airplane, completely equipped, luxuriously furnished and designed for absolute safety, cannot be as seriously considered in this country, as it has in the countries of Europe.—Daily Illini.

THE SPLIT INFINITIVE

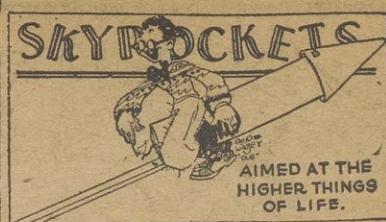
RALPH W. CRAM of the Davenport Democrat sometimes turns from the joys of aviation to revel in the pleasures of language. Seeing an effusion in the Terre Haute Tribune on the horrors of the split infinitive, he rushed to his Century dictionary, learned that while the atrocity is not grammatically incorrect it is avoided by careful writers. Then he gave his readers the following delicious bit of irony from the Terre Haute paper:

To deliberately split an infinitive is a thing that many writers would never do. To carefully evade split infinitives is their purpose at all times; but it is not easy to consistently avoid the supposed error of grammar, for the split infinitive seems to try to viciously thrust itself into sentences where it is not wanted, as if to intentionally trick the writer. And to invariably spot a split infinitive requires a keener eye than most proofreaders have. So it sometimes appears in the very best literary company, even in the writings of those who are disposed to strongly condemn it, and it cannot be denied that to ruthlessly weed it out would weaken the emphasis which it places in some passages.—Iowa Publisher.

Don't be a snob. Don't try to marry the boss' daughter. God bless you if you are lucky enough to marry his stenographer.—Sen. Royal S. Copeland.

Our Hoboken audiences always have been famous for hissing.—Christopher Morley.

The role of play boy has its disadvantages.—John F. Hyland.



THESES TIME

Now is the time for typewriting agencies to sit up all night making carbons of bachelors' and masters' theses. Now the last hurried strokes complete the footnotes or the bibliography of papers. Now the brain children are being prepared for binding, so that the Historical library may have a copy. We offer suggestions for subjects:

* * *

PUBLIC SPEAKING—The effect of mustaches on pronunciation of monosyllabic words.

JOURNALISM—The power of the press on the Drive . . . Use of newspapers in barber shops for shaving paper . . . Methods of (w)rapping papers by the Nation.

ENGINEERING—The after-marriage measure of the leverage of can openers . . . The wear on bank trays brought about by the new paper money.

LAW—Case methods of handling bootlegging . . . How objections of women lawyers are overcome.

AGRICULTURE—Possibility of growing Irish potatoes in a free state . . . Influence upon sheep of reading the market reports in the Chicago Tribune.

SOCIOLOGY—The influence of architecture of the passing of the family entrance to saloons.

PSYCHOLOGY—Why men with red hair and bunions on the left big toe work best at 4 o'clock in the afternoon on the third Wednesday of the month.

FORESTRY—The influence of the Robin Hood tradition on the mackinaws of lumberjacks . . . Possibilities of replanting the trees from Burnam Wood in the sunken gardens of Dunsmore.

MUSIC—How harrowing experiences cultivate the voice . . . The effect of silver teeth fillings on grand opera singing.

PHILOSOPHY—The application of the philosophy of Freud to the inhaling of soup . . . A Platonic interpretation of the brooding of pessimists.

HISTORY—The results of the Battle of the Kegs on the brewery business in West Philadelphia . . . The enlargement of the Dewey system in libraries occasioned by Dewey's victory at Manila . . . Influences of Custer's Last Stand on the barbecue stands of the middle west.

CHEMISTRY—An investigation into the breakdown of atomic structure of a shirt sent to the laundry . . . Homologous reactions and separations of wedged couples due to the identification of poor relations.

GREEK—Graft occasioned by the use of the iota subscript in bills of lading from the Athenian department of municipal supplies.

LATIN—The effect upon the use of personal pronouns by the introduction of swearing by Caesar's troops after their campaigns in Gaul.

COMPARATIVE LITERATURE—The use of the caustic pencil in barber shops as compared with literary criticism.

ADVERTISING—Methods of laying out advertisers who get their copy in late . . . Testimonial advertising and its effectiveness in the Salvation Army.

EDUCATION—A study of the correlation between grades and rubber heels . . . The effects of artificial light on young teachers during spring months.

* * *

ADVICE TO THE LOVE-SHORN

By Sampson

Dear Uncle Sampson: I am a tennis fiend but my girl insists that golf suits her to a tee. She knicks at me when I suggest tennis. I know she's holeing out on me, but I can't trap her. I can't be rough on her either, so what'll I do?

The Co-ed Shopper's Diary

MONDAY: Tonight seemed as though all that was lacking was a good old peppy chapter meeting—still gotta eat, you know, to keep up the spirits, so we're still meeting at the **MADISON TEA ROOM**, 412 State street, for dinner. Good way to keep the old gang together, and 'specially when we've all got much dirt to tell each other—we just thrive on that. You know how savoury that is, when one craves good food, and bad, wicked news. Reminds me of the old days when we were all together and the best man's "rep" couldn't withstand our onslaught. It sure did seem almost like Guest Night to us, with us bein' the guests. You do feel that way here, no foolin', instead of the usual feeling of these ordinary places to eat that make you feel like just another cash customer.

Anyways, sister, the air was heavy, for when sorors get together, the dirtiest kind of "dirt" just bursts forth—but we just eat that sort of thing. Who wouldn't like to hear about what Mildred's doing in the Ozarks, what kind of a Count Virginia is subduing in Paris—Heaven help us when she gets back and starts raving about the men she has scalped—and then, there's Peg, at convention. It's more than fun to compare notes at the dinner table. Just lucky for them we didn't all get cards, "having a good time, wish you were here." Nothing like being original, but even we neglected souls get that way. We may not be climbing mountains or crossing the "bonny blue" or dining in Paris as the Parisiennes do, but we come close, and that's all that counts when eating at the **MADISON TEA ROOM**.

TUESDAY: Just what makes it so cold? Br-r-r-r. Now I suppose that's about as dumb a question as how high is up—but, it is cold, and there isn't any question about it—is there? I'm afraid fall weather is sneaking up upon us, believe it or not. Wanted to go out today and the only hat I had to fling on was either a white or some others in light colors. Imagine white in this sort of weather! Just about as misappropriate or misplaced as anything could be. Childish to be so sensitive to what kind of togs us "femmes" wear, so I'll just have to be careful.

BARON'S on the Square didn't wait for a strong gust of wind, or another drop in the temperature—they're always a "head" of every one else, and they knew cooler weather couldn't be far behind. Walked in just to putter around, because they do have such pretty things, but landed right in the middle of heaps of all kinds of Fall hats—Brown's the color, I'm told—Patou Brown, Paris Brown, Marron Glace, **MANCHESTER'S** on the Square have

and loads of other shades—some droopy, while others are turned up, perky like. And only five of those new little dollars for a new little hat! You know, the kind that makes you conscious of your charm, the kind that can only make you breathe smartness. Then, only one more week and all roads lead to home. Yes, but what about traveling? That means going places again, and seeing people, and a new hat will just add a fresh touch that a train ride usually wears away. All aboard! We're off, with **BARON'S** Bonnets giving us a proper send-off.

WEDNESDAY: Sat through two lectures this morning and I was so worried about poor little Napoleon messing up the map of Europe and not doing it right, and to add to that, Josephine, his proud beauty, had to appear upon the scene, minus a few scruples, disillusioning a good man like him. I was just mad—she could have been his inspiration, but no, just like a woman—she conquered hearts, while hubby dear, conquered thrones. Another blow like the last one and Napoleon, my hero—would have been done for right, but Destiny stepped in and rang the bell in the nick of time, and the world conqueror and I were both relieved. Rather hungry and tired after the skirmish, so was only too glad to leave the scene of battle. Came home to get my mail, and then betook myself, you're right, to **LOHMAIER'S**, 710 State street. It's nice to have an hour between classes—so that I can take time out to forget everything I learned the hour before, or better yet, to brighten up with something good to eat and drink. You can't imagine what a hungry feelin' I get just about 10 o'clock or so and I keep watchin' the clock tick-tick its beats away, while I beats it down the hill. Funny what a little bit of food—a sandwich or two, a salad or two, a coke or two—does for you. Light tasty food in the morning is just swellish to substitute for a life preserver. It's winning half the battle right from the start.

THURSDAY: It would be unpar-
donable if I were not to mention these "Unmentionables"—I suppose I should in flaming letters post the notice "For Women Only" to make doubly sure they won't overlook this, but I'm afraid of those Post no Bill signs and besides this reads like an open book. I always used to think that it was saving money to write home to mother to tell her to send me any wearing apparel I might suddenly want.



Anything to save something off the allowance—but I've decided that's almost as wicked as stealin' pennies out of the little bank that's goin' to help lift the mortgage—specially when **MANCHESTER'S** on the Square have

the most silky glove silk Van Raalte bandeaux, bloomertes, and gobs of other underthings—can get just what you need, and much cheaper too.

Then there isn't the trouble of bothering others who don't know what you need and it's just the "berries" to get the cream of silk pajamas, "undies," and whatnot. Some are white, some are pink, some are big, some are small—any color—any size—the things you love to wear—at **MANCHESTER'S**.

FRIDAY: Individualistic and Futuristic! Them's my words and my sentiments about the matter. It's nice to be sensible and have the good old reliable kind of drapes and curtains in your room that never strike anyone, and just hang around, without

anyone ever noticing them. Whoops! but the Dark Ages are over and my room will now be rejuvenated with new curtains with the most futuristic kind of cloth—it's called crewed embroidered theatrical gauze, real sheer with the prettiest patterns that just walk away with the honors at **BURDICK & MURRAY** at 17 East Main street, or on the Square. Anyone can make 'em, in two or three minutes time. They also have some modernistic damask satin, with velour to match. You'll love 'em, and wait until others see it—it'll help wear the Welcome off the mat. Everyone will be rushing over to see how individualistic these new curtains and draperies can be. Just take that for,

LE DERNIER CRI.

Four Scientists Aid Promotion of State Conservation Work

With the co-operation of university scientists four investigations in conservation work for promotion of the state's preservation of natural beauty and utility are being conducted by the state conservation commission.

John Border, of the state department of agriculture is working on an estimation of the value of future forests. An experiment is being carried out by two university scientists, Dr. E. A. Birge, and Prof. Chauncey Judd, to discover the favorable water conditions for certain kinds of fish.

Another one of the projects under way is a study of bird life. The fourth of the investigations is the study of the growth and welfare of vegetation in seined and unseined areas of Madison lakes.

Prof. Smith Goes to Europe to Head University Union

Prof. Hugh A. Smith, chairman of the romance language department, has been granted a leave of absence to permit his acceptance of the directorship of the American University union in Paris, and will leave for abroad with his family early in September. The corresponding post in the London branch of the organization was held during the war by Prof. Carl Russell Fish of the history department.

year, it should receive equal recognition, said Dean Loomis.

The dean replied to the statement that summer school education is deficient because a desirable continuity and logical orderliness of instruction are impossible when the student is subjected to education during only a few weeks of the year. In the professional training of teachers, he said, the summer school instruction, if it is of the right kind, will carry over into, and function throughout, the intervening year in a way that no amount of "education" dissociated from active professional interests could possibly do. Moreover, the teaching and supervisory activities of students of education will give meaning and vitality to their summer study, he declared.

Logical orderliness, either in a winter or summer curriculum, Dean Loomis said, is a relative and individual matter.

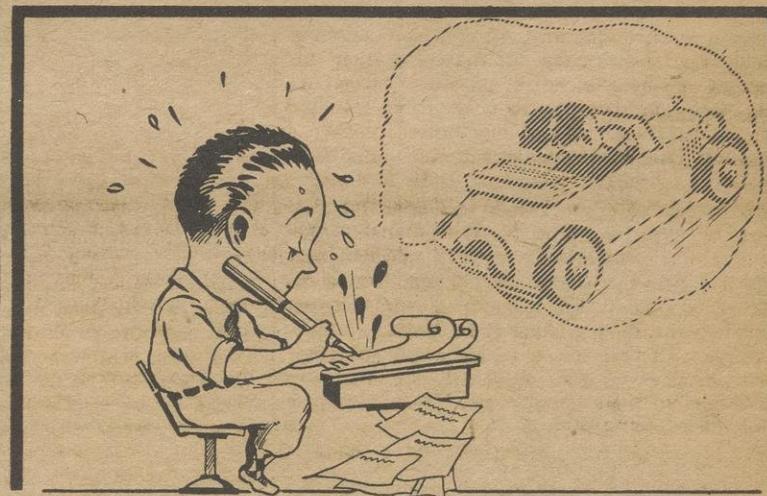
Betty Baldwin Rules Prom Tonight



INSPECTION TOUR

An inspection tour of the Nine Springs sewage disposal plant was made by members of the college of engineering faculty Thursday afternoon. Various experiments of the gas

escaping from the sewage tanks were demonstrated. If sufficient gas can be secured from the tanks it will be used in operation of the plant and thereby reducing the cost.



Don't Fail

to crack those dear old exams for a great big 'EX'.

And DON'T FAIL to have yourselves a "large" week-end... because it's the last one.

Of course you'll want to show the little lady a big time... and if you need transportation... call Badger 1200 and arrange for your car now.

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..Special Rates for Trips..

New Fords...Chevrolets...Pontiacs...Oaklands
Chryslers...Graham-Paiges

KOCH
RENT A CAR
DRIVE IT YOURSELF

Final Recital Given Sunday

Joseph Boyd Plays Organ at Wesley Foundation at 5 p. m.

The last of the series of summer organ recitals given at the Wesley foundation will be played by Mr. Joseph Boyd on Sunday at 5 p. m. He will be assisted by Mr. Cecil D. Brodt.

The program consists of the following numbers:

Extract from Offertoire in G... L. Wely
Larghetto...Schumann
Melody Plaintive...Berg
Moment Serieuse...Chopin
Prelude...Freyer
Trumpet Solo...Mr. Cecil D. Brodt
Melody...Franz Nava
Sweet and Low...Barnby
Second Movement from Symphony in C...Schubert
Scotch and English Songs (selected)...Schulz
Song of Triumph...Schulz

E. Birge, C. Leith Attend Institute of Politics Aug. 1

Prof. C. K. Leith of the geology department and Dr. E. A. Birge, president-emeritus of the university, attended the Institute of Politics which convened last Thursday at Williams college, Mass., for the ninth annual discussion of world problems.

World economic stability, limitation of armaments, postwar constitutional changes in Europe, the present and future outlook of British industry, interallied debts and reparations, as well as a study of the relations of the United States with Canada, Mexico and Latin-American countries, were discussed at the conferences.

The conference on the American-Canadian Mineral resources was led by Prof. Leith.

Allegro from Sonata...Hayden
Procession from "Rheingold"...Wagner
Elsa's Dream from Lohengrin...Wagner
Trumpet Solo, "O Thou Sublime Sweet Evening Star"...Wagner
Postlude D Minor...Volckner
Postlude in C...Lemmens

WORLD OF SOCIETY

**Margaret Thomas,
Richard K. Beichl
to Be Wed Today**

The wedding of Miss Margaret Elizabeth Thomas, daughter of Mr. and Mrs. Boredri Thomas, Oshkosh, to Richard Kiel Beichl, Madison, will take place today in Milwaukee. The Rev. Dr. Howard Agnew Johnston will read the service.

Miss Thomas attended the Oshkosh State Teachers' college, and has been teaching at the Emerson school of this city. Mr. Beichl, who studied at the University of Wisconsin in 1913 and 1914, is connected with the Stanley Hanks real estate company.

After a week's wedding trip, on which they plan to stop at several of the lakes of Wisconsin, Mr. Beichl and his bride will return to Madison, where they will be at home after September 1 at the Ambassador apartments.

**French House Women
Entertain Professors
and Students at Tea**

The women at the French house entertained Tuesday afternoon at a tea from 3:30 until 5:30 o'clock for the professors in the French department and students in the advanced French drama and literature classes. About 50 people attended.

Miss Constance Hampl, president of the house, assisted by those living in the house, received the guests. Mademoiselle Mercier and Mademoiselle Andrade poured. The house was charmingly decorated with flowers, in a white and yellow color scheme.

**Miss Helen H. Brown
and Elmer C. Giessel
to Marry August 9th**

Friday, August 9, has been set as the date of the wedding of Miss Helen Haskell Brown, daughter of Mr. and Mrs. O. M. Brown, Rockford, Ill., to Elmer Charles Giessel, Madison. The marriage will take place in Duluth, Minn.

The couple will be attended by Mr. and Mrs. Malcolm Brown, who were married in La Crosse recently. Mrs. Brown, who is a graduate of the university, is a sister in Alpha Gamma Delta of Miss Brown's.

The bride-elect is a dietician at the Wisconsin General hospital. Mr. Giessel is with the state board of public affairs.

NEWMAN-RINGLER

The marriage of Miss Frieda Helen Newman, daughter of Thor J. Newman, Milwaukee, to Hazelton P. Ringler, Madison, son of Mr. and Mrs. Wilford Ringler, Whittemore, Ia., will take place today in Milwaukee. They will leave for Winchester, in northern Wisconsin, on their wedding trip after the ceremony.

Miss Newman is a graduate of the Wisconsin Conservatory of Music in Milwaukee, and she also studied at the Milwaukee State Teachers' college.

Mr. Ringler has studied at the University of Wisconsin and is a member of Phi Kappa Tau. He is with the Madison bureau of the Milwaukee Journal.

SOKOLNIKOFF-WALL

Announcement has been made of the approaching marriage of Miss Anna Sokolnikoff, Superior, to Dr. Mark Henry Wall, also of Superior. The ceremony will be performed at the Grace Episcopal church, Sunday, August 11.

Miss Sokolnikoff is a sister to Ivan S. Sokolnikoff, instructor in the mathematics department of the university. She is a graduate of the University of Idaho.

JOHNSON TAKES POST

Prof. E. Marion Johnson, formerly of the school of journalism, has accepted a position as educational director of a tour company. He has been head of the University of Minnesota school of journalism for three years.

In anticipation of the 100th anniversary of the birth of General William Booth, which the Salvation Army in America will celebrate next October, William Hamilton Nelson has written a sympathetic life of William and Catherine Booth entitled "Blood and Fire: General William Booth" which will be published in September.

PERSONALS

Miss Dorthea Zarbell '29 is visiting in Madison this week-end.

Miss Dorothy Gale, who has been spending the past few weeks in Canada and the East with her family, will be a guest at the Alpha Xi Delta house on Sunday.

Miss Dorothy Poindexter, of the English department at the university, will visit her home in Indianapolis at the close of the summer session.

Dudley C. Brooks, instructor in the English department of the university extension division, left recently to spend the month of August in Chicago.

Miss Eleanor Tallard, well known local rider, will ride her horse, "Miss Wisconsin," at the state fair which is to be held in Milwaukee the latter part of August.

Gilbert Kriek, Appleton, is a guest of Jack Willem at the Acacia house. Miss Ruth Shirley left on Friday for her home in Chicago.

Miss Kathryn Dexter '29, who has been attending a business college here, has returned to her home in Allegan, Mich.

Miss Betty Walker, Racine, has been the guest of Miss Betty Collier '30 for the past few days.

Church Services

RELIGIOUS QUESTIONS and answers will be the feature of interest at the final union Sunday evening service tomorrow evening at the Wesley foundation. It will be a Question Box meeting, conducted by the pastors of the 5 student groups which are co-operating in the summer program. Previous topics have been discussions of Christianity as a Religion among Religions, Catholicism, Liberal Protestantism and Conservative Protestantism. The concluding meeting is planned as a fitting climax. There will be an organ recital at 5 p. m., cost supper at 6 p. m., meeting at 6:30 p. m. and social hour at 7:30 p. m.

ST. ANDREW'S—1015 University avenue. The Rev. George R. Wood, pastor. Sunday, Aug. 4, 8:30 a. m. Holy Communion and sermon, "The Christian Vocation." Cost supper and program at the Wesley foundation at 6 p. m.

LUTHER MEMORIAL—J. H. Graf, supply pastor. B. N. Prochnow, secretary. A. E. Gillett, director of music. Donald Larson, organist. M. S. Birkeland, superintendent of Sunday school. Louis Fleck, assistant superintendent. 9:15 Sunday school. 9:30 Bible class. 10:45 morning worship. Rev. Graf will preach the sermon. 2:30 p. m. services at Middleton. 6:45 Donald Larson will give an organ recital assisted by Miss Marie Endres, violinist. The program is: "Toccata and Fugue in D Minor," J. S. Bach; Sketches of the City—"The City From Afar Off," "On the Avenue," "The Grandmother," "Urchin Whistling in the Streets," "The Blind Man," "The Busy Mills," "Evening," G. B. Nevin, Mr. Larson; "Andante Cantabile," from E Minor Concerto, Nardini; "Calm as the Night," Bohm, Miss Endres; Gavotte from "Mignon," Thomas; "Sous les Bois," Guilmant; "The Dying Swan," Stebbins; "In a Monastery Garden," Ketelbey; "Sonata in A Minor," F. Borowski; Allegro, Andante, Allegro con fuoco, Mr. Larson. A cordial invitation to the public has been extended.

GRACE EPISCOPAL—Rev. H. H. Lumpkin, Ph.D., rector. Corner Carroll street and West Washington avenue. The only church on Capitol square. Tenth Sunday after Trinity, August 4. 7:30 a. m. Celebration of the Holy Communion. 10:45 a. m. Celebration of the Holy Communion and sermon by the Rev. C. R. Parkerson. Mrs. Fletcher Wheeler, director of music. Mr. Henry Herreid, organist. Mr. Harold M. Luetscher, soloist.

ST. ANDREW'S EPISCOPAL—Rev. F. J. Bloodgood, rector. Rev. J. M. Cleveland in charge. W. Ryan, organist and choir director. Tenth Sunday after Trinity. 8:30 Celebration of the Holy Communion. Fr. Parkerson celebrant, no music, no sermon. No other services.

CHRISTIAN—First Christian church, meeting at Y. W. C. A. chapel, 122 State street. J. Warren Leonard,

pastor, 1004 Vilas avenue. Hours of services—9:45 a. m. Sunday school, 10:45 a. m. Morning service; sermon subject, "New Heaven and New Earth." There will be a special service in recognition of Church of Christ students.

CHRISTIAN SCIENCE—First Church of Christ Scientist. Masonic Temple, 301 Wisconsin avenue. Johnson street entrance. 11 a. m. Sunday service. Subject, "Love." 9:30 a. m. Sunday school. 8 p. m. Wednesday, testimonial meeting, in church edifice, 263 Langdon street. Reading room, 201 First Central building, 1 South Pinckney street, open daily from 9 a. m. to 5 p. m. Closed Sunday and legal holidays.

CHRIST PRESBYTERIAN—Corner Wisconsin avenue and West Dayton street. Pastors, George E. Hunt, D.D., Paul S. Johnson, D.D. Minister of Education, Milo Beran. Parish secretary, Miss Minnie W. Hastings. 10:45 Morning worship. Sermon and Sacrament of Communion. Dr. Hunt. Baptisms of Babes. Soprano solo, "When I Survey the Wondrous Cross," Pettman. "Jesus Lover of My Soul," Miss Bernice

Smith of Kewanee, Ill. Organ, "A Mighty Fortress Is Our God" (with variations). Martin Luther; "March in D. Major," Guilmant, Paul G. Jones.

FIRST CONGREGATIONAL—10:45 a. m. Morning worship with the sermon by the summer minister, the Rev. T. B. Lathrop. "The Gospel for an Age of Cynicism." This service will be broadcast over station WIBA.

FIRST BAPTIST—N. Carroll and W. Dayton streets. Rev. A. T. Wallace, minister. Rev. George L. Collins, university pastor. 9:30 a. m. Morning class in the balcony, "The Heart of the Whole Matter," A. T. Wallace. 10 a. m. Story hour. Mrs. J. L. Gillin will tell of her experiences in Japan. 10:45 a. m. Morning worship. Sermon by the pastor. 6:30 p. m. Union young people's meeting at Wesley foundation.

FIRST METHODIST EPISCOPAL—Corner E. Dayton street and Wisconsin avenue. Harland C. Logan, D.D., minister. Mr. Earl Brown, director of music. Miss Enid Wood, organist. 9:30 a. m. a modern

graded church school with all departments. 10:45 a. m. Morning worship, sermon by Dr. F. W. Hall; subject, "The Transfiguration." Music: Organ prelude, "Song of Hope," Baptiste; offertory, "Offertorie," DuBois. Special music by Mr. Earl Brown; postlude, "Postlude in D Minor," Hosmer. 7 p. m. a joint meeting of the two Epworth leagues will be held in Oxford chapel. Leader, Helen Fleming. 7:45 p. m. evening worship. Music: Prelude, "Vavatina," Raff; offertory, "Ave Maria," Shelley; special music by Mr. Earl Brown; postlude, "Postlude," Page.

SORORITY FILES PROTEST

In line with the protest against taxes of the past two years, Chi Omega sorority, 115 Langdon street, filed a request for reassessment with the city clerk, W. R. Winkler, with a claim for refunds of \$215 and \$325 in 1927 and 1928 taxes. The property now stands assessed at \$65,000 while a fair reproduction can be made for \$55,000.

Nobody needs to explain to me how to get on with the English.—Ambassador Dawes.



**The Summer's Best Fashion in This
Clearance of Dresses**

\$13⁵⁰

\$15

Values to \$19.50 in crepes both printed and in pastel shades, printed chiffons in summer colors, georgettes. Styles are excellent with bertha collars, pleated, tiered and flared skirts—and other summer fashion touches.

Values to \$29.50 in fine crepes, Shantungs, chiffons and georgettes. These are in summer prints and solid shades—pastels and dark. Styles are both sleeveless and with full length sleeves. A few polka dot silk suits are included.

Higher Priced Garments in Proportion

**August Brings a
Summer Coat Clearance**

**All One
Price \$14⁷⁵ Values to
\$35**

With the best part of summer still ahead—in time for August vacations—comes this sharp reduction in summer coats. Included are velvets in black and brown, black silk coats, white flannels, light weight woolens in pastel shades, quilted styles and a few tweeds. Excellent values. Plan to see them.

A limited number of Shantungs in pastel tones, quilted coats and flannels. Values to \$15

\$8⁷⁵

**Kessenich's
STATE AT FAIRCHILD**

Players Have Great Season

New Shows Reviewed . . . Ameche, Flynn and Fleith Leave for New Fields

By "CHUCK" REHWALD

THE performance of "Lilliom" tonite marks the last show of a particularly successful summer season for University Players. All four of the productions, in our opinion, were splendidly done, and "Bill" Troutman, staff, and casts deserve much credit.

Here's a little dope on what some of the Players' stars are going to do after the season closes . . . Don Ameche will leave for Goodwin theater in Chicago . . . stock and perhaps the best professional stock in the country . . . Bernadine Flynn will go to New York and try her luck . . . she hopes to see her name in the "bright lights" before long . . . Cornelia Fleith goes to New York for the sake of business, not for art . . . she hopes to find a position with Taylor and Lord . . . Most of the other Players are still students and will return to their respective schools next season.

Today and Sunday

Bascom Theater Tonight—"Lilliom" starring Don Ameche and Bernadine Flynn.

Parkway—New show. Belle Bennett and Joe E. Brown in "My Lady's Past." Comedy and news.

Strand—Today, Gilda Gray in "Piccadilly." Starting Sunday, "A Lady of Chance" starring Norma Shearer.

Orpheum—All talkie. Norma Shearer in "The Last of Mrs. Cheyney." Three acts of vaude and news.

Capitol—Charles Rogers, Mary Brian, and Wallace Beery in "The River of Romance." Comedy, news events and short features.

Strand

"Piccadilly," an English picture, comes to the Strand proclaimed as one of the rare gems of motion picture photography. It is the best foreign made picture that has reached us. The fundamentals that make a good motion picture; good characterization and continuity of plot are combined in this exceptional production, through the efforts of the director, E. A. DuPont.

The plot deals with the "Great White Way" of London. Most of the action takes place in the colorful Limehouse district and the famous Piccadilly club. The picture is interesting primarily for the many "shots" of the society of Piccadilly and the mob of the Limehouse.

Gilda Gray, as the star dancer and lover of the manager of Piccadilly club taken by an English star, Jameson Thomas, is overshadowed by the brilliant acting of Anna May Wong, who plays the Chinese mistress. To King Ho-Chang, a new Oriental on the screen, goes acting laurels for his characterization of the secret lover of Anna Wong.

Piccadilly is a motion picture treat that should not be missed. It is exceptional.

(Reviewed by George Priebs).

Capitol

Here's an enjoyable picture. "Buddy" Rogers as the son of a Southern gentleman, returns home after being educated in Philadelphia. His ideas of chivalry fail to connect up with

Here's A Show You Simply Must See! TODAY!

CAPITOL

Madison's Finest Theatre
America's boy-friend
CHARLES (BUDDY) ROGERS
"The River of Romance"
A Paramount Picture

WOMEN GO WILD FOR HIS LOVE! He has to make good! Even to fight the most dangerous man in the South! He wins the "one" girl! Charming MARY BRIAN, his sweetheart in "SOMEONE TO LOVE"! Roger's greatest love role! From the famous Booth Tarkington novel, "Magnolia"! With beautiful JUNE COLLYER and a wonderful cast of well-known players! All-talking drama supreme!

"THE INSTALLMENT COLLECTOR"—A TALKING COMEDY
Paramount and Movietone News — Sound Songalogues
FILM FASHION REVUE—Mac BRIDWELL at the Organ

COMING
TUESDAY Nancy Carroll in "The Sin Sister"

of Good Fellows" are some of the tunes to be heard in "Street Girl" which comes to Madison soon.

Good

Radio pictures announces that from now on none of their pictures will be noted for their "theme songs." No more theme songs but plenty of good numbers is the idea.

Sally

"Hold Everything," new all technicolor, talker and all-everything picture, has Sally O'Neill in the leading racket.

Morris

Mrs. Dolores John Barrymore Costello, will have as her first male choice, Chester Morris in "Second Choice." (Figure that one out.)

And

Then there's the story about the "little girl" who went to the circus and fed peanuts to the 1-e-funts.

Phelan to Issue 'Open' Call for Grid Candidates

Lafayette, Ind.—Faced with the prospect of developing material to fill the gaping holes in the squad caused by the graduation of 15 lettermen this spring, the graduates including practically the entire veteran line, Coach Jimmy Phelan of Purdue will issue an "open" call for candidates when practice for the arduous 1929 Boilermaiden schedule starts on September 15.

Phelan has always been a strong advocate of the policy of allowing every possible man to show his wares on the gridiron, and with the Kansas Aggies and Michigan slated as the first two games this season, the Boilermaiden mentor and his staff of assistants can be depended upon not to overlook any bets when the squad reports for its initial drills.

As a nucleus for the squad that must carry Purdue through its best balanced schedule in years, the Boilermakers retain eleven major lettermen, including the colorful Welch-Harmeson-Caraway backfield trio, and 12 minor lettermen.

Last year's freshman squad contained a number of promising candidates, and the holes that are plugged will undoubtedly be filled with sophomore material, providing the newcomers stand up under the fire of varsity competition.

If I myself could produce the public will demand my removal.—Police Commissioner Whalen.

PARKWAY

HELD OVER

Starting on It's
SECOND
BIG WEEK

"ON WITH THE SHOW"

100% Natural
Color
Dancing
Singing
Talking

SWIM CAUSES SICKNESS

The hot weather and a swim in Lake Mendota immediately after lunch are the probable causes for the illness of seven of the women students residing at the Beta Theta Pi fraternity. Dr. R. M. Baldwin of the student clinic who is in attendance, pronounced Friday morning after a visit in the kitchen of the Beta house. It was thought that the illness had been due to some sort of food poisoning, which Dr. Baldwin later denied.

Many of the offenses which are punishable by the law are infinitely less unpleasant than those which are not.—Lord Tavistock.

CLASSIFIED ADVERTISING

In The Cardinal
Reaches Every Student
All Ads Must Be Paid for
in Advance.

FOR SALE

CANOE, life preservers, paddles. \$25.
Phone B. 6070. 3x1.

MODEL T FORD ROADSTER. Good
running order. Call B. 7140. 3x1.

LOST

BLACK LEATHER PURSE containing
five \$1 bills, compact, and comb.
Saturday. F. 1133. Reward.

SHEAFFER black and white pencil.
Name on cap. Call F. 5620. Reward.

1x3

SIGMA KAPPA PEN between Sigma
Kappa house and the Union cafeteria
Aug. 2. Return to 234 Langdon
street or call B. 7437. Name on
pin, "Mary Morris, Theta 31." Reward.

1x3

ORPHEUM RADIO-KEITH-Orpheum

MATINEE 25¢ NIGHTS
Until 6 PM 50¢

STARTING

— TODAY —

THE NEWEST

ALL TALKING TRIUMPH

NORMA SHEARER in THE LAST OF MRS. CHEYNEY



... with . . .
BASIL RATHBONE
GEORGE BARRAUD
Hear Norma Shearer's

Glorious and Sparkling Speaking
Voice — She Thrilled You in "The
Trial of Mary Dugan," You'll Be
Wild About Her in This Society
Crook Drama from the Stage Hit!

A SPLENDID
STAGE SHOW

featuring . . .

RIGOLETTO BROS.

with THE SWANSON SISTERS
— in —
"ENTERTAINING THE WORLD"

NEWHOFF & PHELPS
in "JUST SONGS"

QUAYLE & KELLY



This Week
THURSDAY
FRIDAY
SATURDAY
BASCOM
THEATRE
All Seats

\$ 1.00

in Box Office
ROOM 200
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Dean Russell Writes Article on Pasteur in 'Dairy Farmer'

Article Appears in July Issue of Agriculture Publication

Dean Harry L. Russell of the college of agriculture is the author of an article on Louis Pasteur in the July number of the "Dairy Farmer," well-known dairy magazine. The article which is the sixth of a series on "Master Minds of Dairying" follows:

A full-bearded man, grisly gray both as to hair and beard, with a stiff leg that at once made you think of a soldier who carried still the scars of battle, stumped his way among the desks of the young doctors and students of the famous L'Institut Pasteur. This was my first vision of the great French scientist, Louis Pasteur, that I had, as a student in his laboratory in Paris, nearly 40 years ago.

The world was then ringing with acclaim for the wonderful results that he had been securing in saving the hundreds of lives of terror-stricken people from all parts of Europe from the dread scourge of hydrophobia. The great institute had only been opened two or three years before by a grateful people in recognition of Pasteur's service for the benefit of mankind.

Disease Causes

This scientist, whom Sir William Osler, the world-famous English physician, designated as "the most perfect man who has ever entered the kingdom of science," is known to the mass of mankind mainly for his discoveries as to the cause of infectious disease.

To the scientist, Pasteur's fame rests quite as much on his earlier brilliant discoveries in the field of fermentation and decomposition as in the realm of disease. Some of his most fundamental work was in the domain of pre-chemical research, for he was a chemist before he was a biologist and a bacteriologist.

Louis Pasteur was born Dec. 27, 1822. He was the son of a tanner in the town of Arbois who had formerly been a soldier in Napoleon's army. His ancestry can be traced back in a direct line another 150 years, his great-grandfather, Claude Etienne Pasteur, having obtained freedom from serfdom in 1793.

Educational Mind

Pasteur, early in his life, showed a keen desire for an education and demonstrated his scientific turn of mind. He also proved himself a capable portrait painter, winning many prizes for his accomplishments. His education was obtained at several different schools in the vicinity of his home and in Paris. He was given the position of preparation master at the Royal College of Besancon before reaching his 18th birthday and from then on he was engaged in educational work almost constantly.

His first great interest was that of chemistry. The study of crystals occupied his attention and in this science he made some original discoveries while yet a very young man. His rise in the scientific and educational world was rapid. In 1848, at the age of 25, he was appointed professor of physics at Dijon and the following year professor of chemistry at Strasburg.

His scientific achievements won for him election to the Legion of Honor in 1853 and in the following year he was made professor and dean of the new Lille Faculty of Science. It was here that he introduced laboratory work into the instruction of students as a supplement to the lecture method. His advance continued and in 1857 he was appointed administrator of Ecole Normale and in December, 1862, just before his 40th birthday he was elected to the Academie des Sciences.

Dairying Aided

The dairy interests of the world owe much to the inspiring studies of Pasteur, for it was his foundation work in the realm of the "infinitely little" that laid the first course in the

temple of solid fact on which the enduring success of modern dairying is predicated.

Milk has been subject to spoilage on contact with the air since man first domesticated the cow and the goat. But why? This no one knew. So common a fact was this that it needed no explanation. It was so because it was so. But this explanation that did not explain did not satisfy the young French chemist.

Organic liquids of all kinds inevitably and invariably soured, fermented, spoiled. The juice of fruits generally developed alcohol and carbonic acid gas. Milk, on the other hand, soured, turned rancid, and became unfit for use.

Brilliant Experiments

With the aid of the microscope, the laboratory worker had found in fermenting liquids of all kinds, microscopic cells (yeasts and bacteria) that apparently were able to multiply or grow. Pasteur had been able to detect differences between yeasts and the smaller, more elongated bacteria. By means of a series of brilliant experiments, he proved to his own satisfaction that fermentation was connected with life; that there was no inherent necessity of decay or fermentative change, unless contamination gained access from the outside.

The great Liebig, whose renown as a leading chemist was acknowledged the world over, had rejected the idea that life had anything to do with the processes of fermentation. He believed that ferment was readily alterable organic substance which easily underwent decomposition, and thus set in motion additional molecules of fermentative matter.

The prestige of the older German scientist, who was then the leader of modern chemical thought, regarding the relation of plant growth to the soil, so dominated the situation that the views of the young Frenchman found few disciples who were willing to accept them.

The French scientist's contribution to the explanation of the souring of milk conclusively showed that the lactic fermentation was due to the acidity of certain specific bacteria. One of his early contributions was entitled, a "Treatise on the Fermentation Known as Lactic." From this discovery he was led to further study of milk in that often he found other types of fermentation than those connected with the normal souring process.

To show the keenness of his powers of observation, this interesting experience may be worth relating. Examining one day a sample of spoiled milk, he noted that the minute organisms showed marked powers of motion when examined under the cover-glass of a microscopic preparation. On the edge of this preparation where the opportunity for absorption of the oxygen of the air was greater, the ability of the living organisms to move seemed to be impaired.

This certainly was a peculiar condition of affairs. All life demands oxygen for the continuance of its functional activity. Here, however, was a condition in which air seemed not only unnecessary, but actually detrimental to such functions of life as motion.

Keen Observation

Nobody but a person imbued with the keenest power of observation would have been able to recognize this peculiarity. Pasteur saw at once that here was something different from normal experience. If the oxygen of the air had this disturbing effect, he could prove this by introducing a current of air into the liquid and see what happened.

This he did, and to his keen satisfaction the organisms that had been actively in motion lost their power of movement and the fermentative property ceased. Here was the discovery of a entirely new principle, the fact that same types of bacteria could perform their functions better

in an atmosphere devoid of free oxygen than otherwise.

To this class Pasteur gave the new term, anaerobes, organisms that are able to live without air. This peculiar fermentation proved to be the butyric acid type of change that is the cause of the rancidity of butter, an abnormal fermentation that is of much import in the dairy business.

Fermentation Study

These studies on fermentation were first undertaken by Pasteur in 1856, his attention first being given to the souring of wine. Within a year he applied himself to the souring of milk during which studies he discovered the microscopic bodies that further experimentation proved to be capable of causing lactic fermentation.

Pasteur's studies later on the spontaneous generation of matter proved indisputably that life comes from pre-existing life; that the processes of fermentation, putrefaction and decay did not originate in and of themselves, but invariably came from pre-existing microscopic forms of life.

With our modern equipment and present-day notions, one wonders why such wild-eyed dreams gained credence, but it is much easier to look backward than forward; distance or difficulties do not seem half as hard as we look behind us compared with what they are when we attempt to penetrate the gloom ahead.

Born Doubter

Pasteur was a natural born doubter and it was to this quality that he owed much of his success as a discoverer of new ideas. Writing to Pouillet about the subject of spontaneous generation, he said, "In experimental science it is always a mistake not to doubt when facts do not compel affirmation." This critical attitude enabled him to test and retest his results in a variety of ways so his conclusions were bullet proof before they were given out.

From this field of spontaneous generation he was led to study the so-called disease of wine. The vineyard industries of southern France had been imperilled through "sickness" of wines that destroyed their fine aroma and flavor. "Sick" wine became turbid, sour, off in flavor, ruined as a beverage. To his beloved France this was a grievous blight—like the plague of Egypt.

It was easy to prevent this trouble by boiling the wine; but the high temperature used injured the flavor or bouquet, as it is called. Finally, in the fall of 1864, Pasteur found it was sufficient to heat the wine for a few minutes to a temperature of 122 degrees to 140 degrees Fahrenheit. This lower temperature fortunately did not destroy the fine aroma.

Simple Process

But it was quite a while before this simple process was accepted by the French exporters; not until a cargo of wine had been shipped for a long journey through the tropics did prejudice and jealousy yield to scientific progress. Some said this heating process would "mummify" the wine and so prevent its aging.

In Austria, where the method was also quickly adopted, the process was called Pasteurization, in honor of the French bacteriologist. It was this same principle that was later applied to the treatment of milk to increase its keeping quality.

Secret of Success

The secret of success in the pasteurization of milk lies in the fact that the major part of the inevitable changes that accompany souring or other fermentative changes is due to the presence of bacteria that in the rapidly growing stage are readily killed by a scalding temperature.

This point, known as the thermal death point of the growing organism, is fortunately just below the temperature at which the cream line in milk is affected. Even disease bac-

teria, such as tuberculosis, diphtheria, typhoid, and other organisms are not able to endure the temperature of pasteurization.

This method was first applied to the treatment of milk in Europe but it was in America that the process was commercialized and put on a practical basis. In the earlier days the process was applied primarily to the treatment of milk for infant feeding and ailing children, but the success in this field soon led to its more general application in the treatment of city milk supplies.

Perfected Dairying

America has developed this phase of the dairy business to an exceptionally high stage of perfection. Without doubt the very wide use of fluid milk in the United States compared with other countries is due in no small measure to the feeling of security that the public have in the healthfulness of the product, both from the hygienic as well as the nutritive point of view.

Pasteur was, first of all, a humanitarian. He dearly loved his parents, his brothers and sisters, and his family and his love extended to all his fellowmen. It was this love that prompted him to undertake his researches to relieve their physical sufferings and the hardships caused by economic losses.

The silkworm disease was studied by him in 1865, which he later solved, and an epidemic of cholera demanded his attention the same year. His love for science was aptly illustrated when Emperor Napoleon III and Empress Eugenie, following a demonstration of his wine study, manifested surprise that he did not turn his discovery to profit. He replied, "In France scientists would consider that they lowered themselves by doing so."

Pasteur's Discoveries

It was Pasteur's discoveries which led others to improve surgical methods with regard to sanitation. He discovered the cause of puerperal fever in 1878, of chicken cholera in 1880, and of hydrophobia in 1881, and made important studies on yellow fever the same year. His most famous contribution, the treatment for hydrophobia, was first applied in 1885 and within a year great contri-

butions were received for the establishment of the Institut Pasteur, which was completed late in 1888. More than two and a half million francs were obtained.

Another contribution which is of direct and inestimable value to the dairy industry was his discovery in 1877 of the cause of anthrax and his development four years later of the method of vaccinating for preventing this costly disease.

Pasteur, unlike many early scientists, lived to see his findings accepted and to win the applause and approval of the entire civilized world. He and his work were acclaimed in every scientific group and in 1882 he was elected to the exclusive Academie Francaise. Pasteur also experienced the pleasure, before his death on September 28, 1895, of seeing his former students and associates, building on his own work, make new discoveries for the benefit of human progress.

The dairy industry owes no considerable debt to the fundamental work which the great Pasteur did to put scientific accuracy in place of hypothesis and surmise in the development of this important branch of science.

STUDENTS VISIT MOVIES

Invitation for all those interested in problems of the modern moving picture theater and talking pictures has been extended by Prof. William C. Troutman to join his class in dramatic production, which meets this morning at 9:30 a. m. in the lobby of the Orpheum, and which will visit the Capitol and the Orpheum theaters.

Gordon MacCreagh, author of "The Last of Free Africa," is now on his way back from Abyssinia. He promises to tell all regarding the diplomatic pressure from certain European powers which forced him to resign his leadership of the American Museum of Natural History expedition to Abyssinia.

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