

By-the-Way

Mrs. Whitmer and Ethel spent the week-end visiting friends in Wichita. The most popular question: "What shall I get 'him' for Christmas?"

The most popular exclamation: "Owleggonnyarm!"

Miss Golda Zook spent Saturday and Sunday with Grace Eutriken. Dr. Kurtz lectured at Heaston Thursday night.

Mrs. Spurgeon and Mrs. Brenton returned to their homes near Des Moines, Iowa, Friday, after spending a week in McPherson.

Miss Bertha Mugler spent the week-end in Arnold Hall as a guest of Maude Crist and Lorinda Leatherman.

Eunice Wray, Reetha Studebaker, Irma Witmore, and Nora Stump sang at the McPherson hospital Sunday morning.

Edith McGaffey was a dinner guest of Dr. Heaston's Saturday night. The dinner was given in honor of Miss McCormick of Moundridge.

Eugene Kistner left Sunday for his home in Subetha, Kan.

Mr. Harry Bowers announces the departure of a part of his anatomy. The particular part being tonsils, which were forebly removed from home and friends last Wednesday afternoon. Mr. Bowers, we mourn with you.

Lillie Crumpacker and Minnie Edgcomb spent Friday night in Arnold Hall.

Mrs. J. G. Engle of Abilene, Kansas, spent two nights with her daughter, Estella, last week. Mrs. Engle was called here by the death of her sister, Mrs. Brennaman, who was buried in the McPherson cemetery Tuesday afternoon.

Ruth Kilmer spent Wednesday night with Elsie Forney.

Mr. and Mrs. H. R. Stover entertained the Austins at dinner Thursday noon.

CHEMISTRY—A USEFUL AND VALUABLE ASSET TO SCIENTIFIC WORLD

(Continued from Page 1.)

The chemical departments of our colleges and universities are many times larger than they were a few years ago. To appreciate the change that has already taken place one needs only to visit the class rooms of any large institution and see the small number of students taking Greek, for example, while in any subject having a direct practical utility, huge lecture rooms are filled to over flowing. This is true of both graduate and under-graduate schools. And of necessity the departments dealing with subjects which are of practical value to the student in after life are receiving relatively greater financial support. The students want such courses and if particular schools will not give them, they will go elsewhere. The great popularity of chemistry in the colleges and universities throughout the country is not due to a widespread scholarly interest in the science itself, but arises from the facts that chemistry is related to the welfare of the community and that a thorough knowledge of this attractive profession is a financial benefit to the student in after life.

It is perhaps true that no branch of science is giving the opportunity of rendering more vital service than that of chemistry. One problem that chemists have in common is that of the transformation of matter, the making over of the resources of the earth into forms of matter suitable for the use of man. The physicists and the engineers can do wonderful things in the erection of buildings, bridges, railroads, telegraphs, etc., but they fail absolutely, unless the chemists can furnish them necessary materials of construction. In every case we must take something that nature furnishes and transform it by chemical processes into something else which is suitable for constructive material.

The recent war has thrust many things upon this country, but none I think quite so large as chemistry. The ordinary citizen came to realize as he had never done before, that in modern warfare the most powerful weapons of offense and the most effective means of defense are literally the products of the laboratories of scientists. The late war came to a

very large degree a contest between the chemists of the opposing countries.

There is only one chemist in the United States to each seven thousand of our population. Yet all our manufacturing products, as to their composition, are based upon the work of the chemist. When one considers the fundamental importance of the work of the chemist to the every day life of every individual in the community, then his work enters into everything he wears, eats, drinks, reads, works with and plays with, it is really astonishing that the public at large has had so little appreciation of such a science.

Chemistry puts new value to many things. The farm products are extending their use greatly by the knowledge of chemistry. The chemist has discovered a way of converting starch of corn to glucose and as a result a single corn product plant treats 50,000 bushels of corn per day. Not many years ago cotton seed was a nuisance. Laws were passed forbidding the throwing it into streams. Chemistry converted it into edible oils, soap, cattle feed, lard and butter. There is one chemistry plant where they take the skimmed milk and convert it into back combs, pens, billiard balls, size for coated paper. Nitrogen is an essential plant food. For every acre of the earth's surface the nitrogen of the atmosphere is pressing down with a weight of 33,800 tons. This today is being converted into a fertilizer by the work of the chemist. In 1855 aluminum sold for \$90 per pound; in 1889, \$4 per pound and the annual output at that time was 83 pounds; through the patent of the American chemist, Hall, the price was lowered to 20 cents per pound in 1911 with a total annual production of 50,000,000 pounds.

There are few men to whom the world stands in greater debt than the French Chemist, Pasteur. His development of the serum and antitoxin treatments have saved more lives than the recent war has cost all nations combined.

Perhaps the greatest domestic problem before the country today is that of transportation. We say that business cannot go on without railroads, on the contrary railroads cannot go on without chemistry. Some of the things necessary for railroads are rails, cement, oils, paints signal boards, soaps, disinfectants, and every detail of equipment. In this way transportation of life and property is made cheaper, safer, and more expeditious by reason of the application of chemistry. The automobile is as truly a chemical creation as it is a mechanical product. Chemistry enters into every part of it. It supplies the alloy steel, the aluminum, the artificial leather, nickel plates, vulcanizes the rubber, produces the paints, gasoline, and promises to develop new types of motor fuel. Good roads of cement and asphaltic compounds are replacing the stretches of dust on which we used to travel. The dynamo supplies the current which lights our streets and homes and factories, drives our machinery, fires electric furnaces. It serves us only because of Faraday and his refined research. Faraday was first of all a chemist. When he needed the science of electricity he created it as he went along.

Unless all signs fail, the demand for chemists for the industries is not a temporary one, but will continue and in all probability increase. The country has definitely set out to develop its chemical industries, the goal sought being nothing less than chemical independence. The realization, even if it is not altogether complete or falls short of our present hopes will call for a continuous supply of chemists. This will entail problems of enlargement of buildings and other additions to material equipments in our colleges, the source from which our supply of chemists is furnished.

FOOTBALL SCHEDULE FOR 1922

Sept. 22—Baker at McPherson.
Sept. 30—Fairmount at Wichita.
Oct. 6—Open.
Oct. 13—Hays Normal at McPherson.
Oct. 20—Open.
Oct. 27—Kansas Wesleyan at Abilene.
Nov. 2—St. Mary's at St. Marys.
Nov. 11—Bethany at McPherson.
Nov. 17—Open.
Nov. 30—Southwestern at McPherson.

SOPHOMORES WIN IN CLASS TOURNAMENT

(Continued from Page 1.)

start and outlaced the Academy bunch with a 45 to 13 score. Showalter, the high man for the Juniors, made over fifty per cent. of the points.

Immediately following this was the second preliminary girls' game, the Freshmen College vs the Soph-Junior College classes. Although the Freshmen put up a good scrap they were unable to cope with the upper classmen who won by a 25 to 14 score. Olive Boone made all the points for the winning team, while for the Freshmen, Doris Ring started.

The last game to be played Monday afternoon was the one between the Sophomore and Freshmen College classes. The game was a hard fought contest but the final seemed to be hovering over the Freshies as the Sophs took their scalps with a 35 to 13 victory.

Tuesday afternoon the boys semifinals were played by the Sophomore and Junior College teams. This game was a complete walkaway for the Sophomores who scored 56 points to their opponents 8, half of which were free throws.

Much interest was manifested in the boys' finals played Wednesday afternoon. The Sophomore College team, victors of the previous day, won the deciding game from the Junior Academy class. The Sophs kept the lead all the way through the game and won by a difference of eleven points over the Juniors, score of 16 to 5.

The girls' final game was not played but was forfeited to the Academy Seniors by the Soph-Junior College girls. The former team consented, however, to play a picked bunch from the four College classes. At the end of the first three quarters the Academy Seniors were in the lead but the college team had tied the score when time was called. After about five minutes of hard play the college team made the necessary two points and won the game.

Coach Lenberg refereed the boys games and Professor Mohler and Gus Lump were referees of the girls games.

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A BIRTHDAY SURPRISE

Thru the kindness of Mrs. Penland it was possible for Everett Brubaker to plan what proved to be a very delightful surprise on his sister, Marie. As a result about 8:30 last Saturday evening a score of merry-makers tended their way thru the fleecy snow to the Penland home. Games of various kinds were played while laughter and merriment continued thruout the entire evening. After dainty refreshments had been served all were compelled because of the late hour to bid adieu to the comfortable hearth. Upon leaving each one wished Miss Marie many more such birthdays, and expressed heart-felt appreciation to Mrs. Penland for her hospitality.

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**BASKET BALL SEASON
IN FULL SWING**
Coach Lonborg And Prof. Mohler Go
To Topeka To Arrange Schedules

The tournament is over and Coach Lonborg is spending his time and energy on the big squad of men which turns out for practice at the old hoop-sport every evening about five o'clock.

Dutch will soon start the weeding out of this material cutting down the thirty some fellows now out for practice to a group of about twelve or fifteen men. Then the real work of whipping the team into shape will start.

A few of the new fellows who have been out and made a pretty good showing are: Ellwood, Stansel, Carter, and J. Kilfer. Besides these Dutch has, as a nucleus, two-thirds of last year's letter men back and out for practice. With this wealth of material and others who are showing results from practice, it looks as if M. C. will be able to make a showing in basket ball equal to or better than the one made in foot ball.

Last Friday noon Coach Lonborg and Professor Mohler left for Topeka to attend the Kansas Intercollegiate

Athletic Council, comprised of a faculty member and coach from each conference school. Both of M. C.'s representatives went to the meeting determined to get top-notch schedules on both sports, basket ball and next year's foot ball, for the Bull Dog squads. McPherson has gained a lot of recognition in foot ball this season and it is planned to arrange a schedule for next season that will bring to McPherson one of the best aggregations in the conference.

The business of this council is not only to arrange such schedules but to consider contemplated changes in the present conference regulations which would provide a more definite settlement of state collegiate honors in athletic contests, principally foot ball. Hays normal school was the only team the past season to complete its foot ball year without a defeat. But Hays met none of the uppermost contenders, refusing a final game with the College of Emporia. Last year the conference decided it would not hereafter award a foot ball championship because of disputes which arose on this issue. It has been advocated that the conference be divided into two sections, with eight teams in each. This and ques-

tions regarding the state collegiate track meet to be held next May at Baker University are problems which were discussed Saturday at Topeka.

From the Diary of Stella Stopwatch.

Saturday, December the third:
"The snow had begun in the gloaming and was busy all the night." (Lowell said that, I think.) Snow and wind! The snow made me feel so Xmas-y that I wanted to go to making fudge and sending Xmas cards. Gee wasn't it cold? "I say she do." (Al Jolson.) Went to classes as usual—they were as "de trop" as ever. "Oh for the Wings of a dove." (Nellie Melba I. e., she sang it.)

Oswald and I had planned to go to the show but you know—the snow. We occupied the corner of the parlor. It was as good as the movie but there were no pictures. Neither of us talked much. Don't know why. Sunday, the fourth.

"To church and prayers." (Pepys) The choir sang something about "Morning and Evening." Good things do bear repetition, don't they? "How blow thou wintry wind." (Mendelssohn or some other contemporary poet.) Spent the afternoon with Oswald. Ditto the evening.

Monday, the fifth.

Washed—I mean "did my laundry." (Wang Fu.) I do so like interjecting famous sayings and thots into my diary. I read so much. Oswald buys me lots of magazines. This week he brot me Smashy Stories, Flip Flap Flops, and a volume of Eskimo poetry. Eskimo poetry is the queerest stuff to read. It sounds like you had a fierce headache and couldn't find the aspirin tablets.

Tuesday, the sixth:
Oh dear! am busier than a freshman learning to use the library! The Spex came today and with an extra sheet in. Say, who are the free-thinkers anyway? Or do they only think they are? Oswald and I want to join them.

Didn't Arthur M. sing wonderfully? And Wille was wonderful, too, if you didn't watch him walk.

Wednesday, the seventh:
To classes, etc. Horrors. "This is more than I can bear." (Caesar or somebody.) "I am insult!" (Des-humberts.) Pruno Sapp asked me for a date. Ah me! I tear my hair. I told Oswald and wanted him to beat up on Pruno. Oswald argued with me and said he thot it was not the proper thing to do. "Heap Big Nut." (Appamatox or Chatahoochee or some other big Indian chief said that.)

Thursday, the eighth:
Professor Ebel sermonized in chapel.

Did you see that poem in the Spex "Respite Finem?" I asked Oswald what that meant and he said he thot it was Spanish for "Are you ready for the Judgment day?"

Friday, the ninth:
Ditto Wednesday except for Pruno Sapp. Awful all in. Didn't have my Sociology and as it was not possible to bluff the instructor, suffered a howling out. Came home and "wept copiously." (Blair.) "More anon." (Cralk.)

Stella Stopwatch.

**ANNUAL ANTI-TOBACCO
CONTEST IN ORATORY TO
BE HELD IN FEBRUARY**

(Continued from Page 1.)

ways and only when a crushing need presented itself. Entry into this field will fit one to combat later, this and other practical social problems in a practical way.

This contest offers the worthy student financial aid in his preparation; it gives him the elements necessary to stimulate true oratory; it gives him poise and power in effective public speech without which no student should be without; it brings honors to himself and his school, and gives him a chance to attach his ideals to a practical and vital issue in our social life. "He that hath eyes to see," let him take heed.

The door to Arnold Hall recently exhibited a placard bearing the following inscription: "Love is the gateway to heaven, there is only one way." By a process of deductive reasoning we would conclude that if there is a heaven on earth the door to Arnold Hall must be the entrance there to.

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