

Spring 5-19-1920

Volume 29 - Issue 15 - Wednesday, May 19, 1920

Rose Technic Staff

Rose-Hulman Institute of Technology

Follow this and additional works at: <https://scholar.rose-hulman.edu/technic>

Recommended Citation

Staff, Rose Technic, "Volume 29 - Issue 15 - Wednesday, May 19, 1920" (1920). *Technic*. 386.
<https://scholar.rose-hulman.edu/technic/386>

Disclaimer: Archived issues of the Rose-Hulman yearbook, which were compiled by students, may contain stereotyped, insensitive or inappropriate content, such as images, that reflected prejudicial attitudes of their day--attitudes that should not have been acceptable then, and which would be widely condemned by today's standards. Rose-Hulman is presenting the yearbooks as originally published because they are an archival record of a point in time. To remove offensive material now would, in essence, sanitize history by erasing the stereotypes and prejudices from historical record as if they never existed.

This Book is brought to you for free and open access by the Student Newspaper at Rose-Hulman Scholar. It has been accepted for inclusion in Technic by an authorized administrator of Rose-Hulman Scholar. For more information, please contact weir1@rose-hulman.edu.

ENGINEERS LOSE FIRST
OF CITY SERIES, 9-7Early Lead Saves
Bayhmen When
Engineers Hit
Hard

A week ago last Friday we all witnessed a rather heart-breaking affair out on the old diamond and it falls to the lot of this scribe to describe the events of that sad day. Again the hosts of that nearby institution that has put us to so much discomfiture in the last year or two appeared upon the scene and after a long struggle forced the lowering of the rose and white colors. About all that I can say of the game is that from the neutral spectators point of view it was a wonder but a big disappointment to a Rose man.

To those of the alumni readers we will now make known the fact that Indiana State Normal's baseball team won the first game of the city series 9 to 7 at Rose Field, on May 7, not encountering the opposition that the Engineers are really capable of giving. Normal won however by brilliant playing in the pinches and hitting when hits meant generally quite a few runs. Rolshausen who started to do the flinging for the Rose nine had an off day and before Reinhard got to the rescue in the initial inning the Bayhmen had gathered five runs. These came, strange to say, after two were out and when everyone had settled down to see a pitching duel with Rols in the leading role.

In spite of the sting of defeat the Rose men can derive a certain amount of satisfaction from the fact that the hits stood 12 to 6, Rose and that George Kerr, the premier blue and white twirler was in hot water most of the time and constantly in danger of being sent to the shower. Lucky for Georgie that his mates got their life-saving lead in the first for after Reinhard went in to pitch there was no multitude of Normal scoring.

Speaking of Reinhard it behooves us to announce that the lengthy sophomore was very much in evidence in the resistance offered the dumbrows (credit Mr. Gilbert) from the Teachers' Institute. Reinhard pitched after Rolsie ceased and Reinhard hit as well. Whenever the sleepy looking one came to the plate, the Normal fielders moved back but to no avail for he simply swatted the pill a little harder and over their heads it sailed. But a little slip of "Icks" stellar though his performance was perhaps changed the events of that fateful afternoon.

Normal led, in the seventh, by the thoroughly inadequate margin of one run when Reinhard drove the ball far out on the cinder track in the direction of the main building after two men had succumbed in an heroic effort to gain the breath of life upon the much sought paths. Around the bases fled the Rose hurler and never did he stop until headed safely for the bench. I am not sure whether the ball had come down yet or not but I do know that the Normal right-fielder was still in hot pursuit.

Somewhere ages ago I am very, very sure a noble saint planted in the halls of the heralded Indiana State Normal school a token that has since and perhaps will ever function in a manner similar to that of the foot of the hare or the iron shoe used to protect the foot of the horse, and mark, readers, ever—yea ever in the favor of the champions of the hall in which it so

Continued on page 3, col. 2

A.A.E. NEWS

Engineers employed by the Federal Government will assemble in Washington on May 22 at the first convention of the Federal Department of the American Association of Engineers. The convention will elect an advisory council for the department, determine a plan to district the country for departmental work, and consider legislation now before Congress. Every Federal Engineer, office or group of engineers is urged to send a delegate to the convention.

The American Association of Engineers has granted club certificates to members petitioning from the University of Colorado; Burleigh, Idaho; and Muskegon, Mich., and chapter charters to members in Wilmington, Delaware; Decatur, Illinois; Cheyenne, Wyoming; Helena, Montana; Hornell, N. Y.; Meadville, Pennsylvania; and South Dakota State College, Brookings, S. Dak.

The Grand Rapids (Mich.) Engineering Society adopted a resolution at its meeting on April 28 requesting all of the members of the society to join the American Association of Engineers.

SOLDERING WITH ZINC.

By S. E. Frew.

Zinc may be used for joining metals together in the same manner as solder and well-made zinc joints will be stronger than a corresponding soldered one, though not as strong as a brazed joint.

Zinc melts at about 800 deg. F. and if a good strong heat can be applied it flows more readily than solder, especially over iron surfaces.

The same flux should be used as with solder; that is zinc dissolved in hydrochloric acid to the point of saturation. The zinc can be readily granulated for dissolving by melting and pouring it into water from a ladle, at a height of two or three feet.

To join parts of sheet iron, galvanized iron, sheet copper, or brass, when the parts are too large to be directly heated, a soldering iron made of iron should be used and it should be heated to a dull red.

To insure having the metal run thoroughly through the joints they should be heated with a blow torch, the flux liberally applied and the heating continued. Pieces of granulated zinc or small cast bars should now be applied to the joint and the work tapped lightly with a small hammer, which will cause the zinc to spread and flow through the joint in the same manner as spelter in the brazing process.

Soft solder often appears to adhere to iron surfaces only in small spots while zinc, if the flux be thoroughly applied, spreads and flows evenly over iron surfaces and adheres strongly.

—American Machinist.

ALUMNI NOTES.

R. D. Leitch, '16, and L. E. Milkey, ex-'16, have formed a company at Sandusky, Ohio, for the production of special rag pulp for filtration purposes. The company is incorporated as "The Cellulo Co." with Mr. Milkey president, and Mr. Leitch secretary.

W. S. Speed, '95, visited the Institute recently.

C. W. Post, '07, of Akron, Ohio, spent a few days here.

RECORDS
WILL FALL

In I. C. A. L.
Meet
Saturday, May 22

Rose Has An Outside
Chance to Win.

Kentucky State
Proves StrongReinhard Saves Shut-Out
By Timely Blow
in Ninth.

We met a good team in Kentucky State and we have no alibi to offer in presenting to the world the story of a defeat. The Blue Grass team proved a nasty crew with the willow and lost no time in getting under way in scoring. Rolshausen was the victim again in this game. This time the veteran lasted three frames, but at the end the Kentuckians were still going strong, and Reinhard replaced his teammate at the start of the fourth.

To Rolshausen the credit for the effectiveness of the visiting assault must not go entirely. His support was rotten to the extent of six errors in three innings. Reinhard pitched swell ball until the eighth but weakened after that when the victors evidently had their artillery lined up again. In Cooper the Rose batters faced the most formidable of college pitching. The opposing twirler had what looked like a no-hit game until the seventh but "Ick's" bat could not be denied and in that inning the Rose clean-up hitter tore off the first safe hit for Rose of the game, a clean single to left.

Rose looked a great deal better at the close of the game than at the start. Cooper stopped working on the no-hit basis after the seventh and settled down for the shut-out goal but this too was denied him. Price, who had broken into a varsity lineup for the first time along about the sixth inning, opened the Rose half of the ninth with a single. Ray Harris contributed a blow that gave him life but sent Price to the bottom. Then the Kentucky second baseman wavered and Pence and Harris rested on first and second. The big opportunity was at hand.

Milton Steffen, usually a hard hitter, was helpless before Cooper's offerings and added the second out by the strike out method. Then Reinhard got his second hit. Cooper may be a good pitcher but he had better learn now not to put the first ball over to some hitters for that is what he did in Reinhard's case and the result was a triple to right and two runs.

Kentucky State played a dandy article of ball against the Engineers but we venture to say that the outcome might have been different had Reinhard's arm been in the best of shape and he able to start. The game brought out more defects of course and in that respect we are glad that the mentor got so good a look. The playing of Price at third and Meadows at

Continued on Page 2, Col. 2

Quakers Rule Favorites in
I. C. A. L. Track Meet

Earlham College Picked to Win Annual Classic on
Rose Field With Franklin and Rose Strong Con-
tenders---Normal Engineers and Butler Best Tennis
Bets.

ERRORS HELP St.
VIATORSVisiting Pitcher Invincible
and Rose Drops
Another

The Engineers continued on the down-hill road against St. Viators and lost a poorly played game 16 to 2. There wasn't a great deal of pep in the rose and white lineup and after the Saints got to Reinhard the affair was little more than a slaughter. Sweeney pitched good ball for the visitors letting the Rose batters down with one hit, that a single in the fifth by Harris.

It appears that the baseball team is due for another shake-up in the next few days in spite of the fact that it has undergone two or three in the past week. Let's hope we're right when we reach the Normal post.

The score:

St. Viators—	A. B. R.	H.	P. O.	A.	E.
McClain, ss.5	2	2	0	3	0
Bushler, 3b.6	2	2	3	2	0
Owczarzak, rf....6	3	1	1	0	0
Clancy, 1b.5	1	3	8	1	0
Francis, c.5	1	2	12	2	0
Healy, lf.5	0	1	0	0	1
Lyons, 2b.4	1	1	2	0	1
McCarthy, cf.3	3	1	1	0	0
Sweeney, p.4	3	0	0	2	1

Totals	43	16	13	27	10	3
Rose Poly—	A. B. R.	H.	P. O.	A.	E.	
Meadows, ss.	4	0	0	0	5	0
Steffen, 1b.	4	0	0	11	0	0
Pence, 2b.	4	0	0	1	5	5
Brophy, 2b.	0	0	0	0	1	0
Reinhard, p.	0	0	0	0	1	0
Rolshausen, cf.	2	0	0	2	1	1
Owens, cf.	1	0	0	1	0	1
Harris, rf.	3	0	1	0	0	0
Rosenbaum, lf.	2	1	0	3	0	0
Ruston, c.	2	0	0	6	0	1
Price, 3b.	1	1	0	1	0	0
Hagar, c.	2	0	0	2	0	0
McCombs, 3b.	1	0	0	0	0	0
Dunlap *	1	0	0	0	0	0
Joslin, **	1	0	0	0	0	0

Totals 28 2 1 27 13 8
*Dunlap batter for Harris in the ninth.

** Joslin batted for Rosenbaum in the ninth.

Score by innings:

St. Viators	0	0	4	0	1	7	2	0	2	16
Rose Poly	0	0	0	0	2	0	0	0	0	2

Three base hits—Clancy, Bushler, McClain, McCarthy. Two base hits—Owczarzak, Clancy, McClain. Sacrifice fly—McCarthy. Double Play—Francis to Clancy. Base Hits—off Reinhard (10 in 6 innings). Off Harris (3 in 3 innings). Base on balls—off Sweeney (6), off Reinhard (2), off Harris (2). Struck out: by Reinhard (6), by Harris (1), by Sweeney (10). Wild pitch—Reinhard, Sweeney, Hit batsman, Reinhard. Time of game, 2 hours.

An electric fan deodorizer is a decided convenience for the office, factory or home. A little cake of deodorizer has its odor wafted through the room when the fan is in operation. It comes in very handy in disinfecting homes after illness.

For the first time in five years Rose men and Terre Hauteans will have the opportunity of seeing I. C. A. L. track athletes in action in the annual track and field meet which is to be held at Rose Field. The meet promises to be as fast and as full of thrills as any of former years and judging from the records athletes from the five competing schools have set in earlier meets several records are due to fall.

Earlham, Franklin, Butler, Indiana Normal and Rose Poly will face the barrier at 1:30 o'clock Saturday afternoon when the announcer's voice calls the athletes on the field for the first event. Of the five an enviable early season points to the fact that Earlham should be the winner but strange things often happen on the cinders and in the field and though we may safely say that the Quakers rule very much the favorite, we must add that the race has not been run as yet.

The dope puts the Engineers and Farmer John's Franklin Baptists in a hot race for second honors with Normal and Butler bringing up the rear. The unexpected is expected of course as ever and the order may be not at all as the proverbial bucket has forecast. Rose is figuring on putting up a hard fight to win the meet. The showing made against Earlham two weeks ago was not representative of the rose and white strength and the Gilbertites are out to erase false impressions in the big meet.

The entrants were filed with the I. C. A. L. president Tuesday but were not available at the time the paper went to press. Rose will probably rely upon the following men to uphold her honor in the battle for points next Saturday, in the following events:

100 yd. dash—Conover, Reinking, Taggart.

220 yd. dash—Conover, Reinking, Taggart.

High Jump—Skinner, Pence, Pittman, Conover, Moore.

Broad Jump—Dunlap, Steffen, McCombs.

Pole Vault—McDargh, Dunlap.

One Mile Run—Wilson, Wright, Tyler, Young.

880 yd. Run—Wilson, Young.

Discus Hurl—Steffen, Self, Exline.

Shot Put—Exline, Self, Steffen, Engelhard.

120 yd. high hurdles—Dix, Reinking, Steffen.

220 yd. low hurdles—Dix, Reinking.

440 yd. dash—Dix, Conover, Taggart.

Relay—Dix, Conover, Taggart, McCombs.

Two Mile Run—Wilson, Tyler, Young.

The 1920 I. C. A. L. Tennis championship will be decided on Saturday in a tournament of the teams of all the schools. Most of the matches are scheduled to be played on the Water Works Park Court in the West End of the city. Rose is a strong contender for the tennis honors and Williams and Owen in spite of the loss of a dual match to Butler earlier in the year are predicting a close race for the toga. Butler is said to be the Engineers most formidable rivals.

The investments in electric railways of this country amount to \$6,000,000,000, according to statistics submitted to the Federal Electric Railway Commission.

The Rose Technic

VOL. XXIX. No. 13
TERRE HAUTE, IND., MAY 19, 1920
PUBLISHED BI-WEEKLY DURING THE INSTITUTE
YEAR BY THE STUDENTS OF THE ROSE
POLYTECHNIC INSTITUTE
Issued quarterly in magazine form. Issued
every other Wednesday in sheet form.

EDITORIAL BOARD
ROBT. E. SEWELL, Editor-in-Chief
JOSEPH W. ANSTEAD, Asst. Editor
G. KEMPER SMITH..... Alumni
ROBERT C. WALKER..... Athletics
HOMER A. CLARK
DOWIGHT R. SPENCER } Locals
HARRY J. McDARGH
ROBT. H. HARTOUGH, Differentials
HERMAN J. KRAUSBEK } Cartoonists
WILLYS P. WAGNER

BUSINESS STAFF
HENRY Y. OFFUTT, Business Mgr.
WILLIAM H. MERRY.....
..... Assistant Business Manager
WILLIAM H. JUNKER..... Adv. Mgr.
R. A. CORBAN } Asst. Adv. Mgrs.
FRED TETZEL }
GEORGE R. ARMSTRONG.....
..... Circulation Manager
L. A. WILSON, Asst. Circulation Mgr.

TERMS OF SUBSCRIPTION
One Year \$2.00
Single Copy, sheet form06
Magazine form30

Address all communications to
THE ROSE TECHNIC, Terre Haute, Ind.
Recognized by the Terre Haute Retail Merchants
Association as an Advertising Medium.
Acceptance for mailing at special rate of postage
provided for in section 1103, Act of October 3, 1917
authorized December 13, 1918.

Is the same jinx which played such an important part in the basketball season just past going to follow us through our baseball schedule? It appeared that way at the first Rose-Normal game. Getting off to a bad start and playing an uphill game our team forged into the lead only to have victory snatched from them when the umpires ended the game in the eighth inning, thinking the entire game had been played. The Rose team outthit the teachers two to one and made fewer errors, yet they came out on the short end of the score. The name NORMAL seems to cast a spell over the Rose players that is hard to overcome. This is nothing but a state of mind so let's get together and kick the jinx out for all times. Let's win the remaining two Normal games.

The support at the Rose-Kentucky game was rotten. Scarcely one-fourth the student body was on hand to root for the team. No team can play its best with such half-hearted support. The rooting at the Normal game did much to encourage the players at a time when they needed it most. This encouragement was lacking at the Kentucky game. Be on hand at the next game and root for the team.

THE APPLICATION AND MAINTENANCE OF RAWHIDE GEARING.

By Orville N. Stone
Assistant Chief Engineer, the Van Dorn & Dutton Co., Cleveland, O.
The large-scale commercial production of non-metallic gearing of the present day is the result of a vast amount of experimental work which has been done in the past by the foremost gear manufacturers in attempting to produce high-speed gearing for use where quietness is a prime consideration. The initial material placed on the market for this class of work was rawhide. In recent years, numerous other fiber materials, such as bakelite, fabroil, Egyptian fiber, celeron, and many others have been placed on the market as a substitute for rawhide; and, although these fiber materials ordinarily are not as strong as rawhide, still from the standpoint of economy and for many purposes where the gears are subjected to small stresses, fiber is considered by many manufacturers an ideal material.
Rawhide gear material consists of the green packer hides cured separately, followed by a special treatment which eliminates much of the animal material, leaving the fiber and reducing the thickness of the hide to about 1/16 in. Hides treated in this manner are then blanked to the desired size, ranging from 2 to 40 in. in diameter depending on the size of the gear wanted. These disks are dipped in high quality glue and are then piled up to

make blanks of the required thickness; hydraulic pressure is then applied to squeeze out glue.

Rawhide, while not quite as durable as steel, is used in preference for peripheral velocities of from 1,700 to 2,000 ft. per minute and more. This material, although weak in comparison in a static test, is as strong as cast iron at high speeds, inasmuch as the impact is absorbed by the cushioning effect of the rawhide teeth. Gears and pinions made of rawhide are in general practice furnished with side plates of bronze having the teeth cut through them, thus increasing the load capacity from 10 to 25 per cent, the amount depending on the grade of bronze and the thickness of the plates. Gearing made of rawhide should not be subjected to a temperature greater than 225 deg. F. Higher temperatures dry out the material, so proper storage must be maintained, because dried-out rawhide cannot be revived. When not in use rawhide gearing should be coated with shellac and stored in a cool place. When in use the life of such gearing is increased by the application of a lubricant consisting of a thin mixture of lard oil and graphite, which coats the tooth face with a metallic film.

In the application of rawhide gears general practice is to make the smaller members of the mating pair of rawhide. The number of teeth should be fifteen to eighteen wherever possible. Excessive wear is caused by a lack of consideration being given to the machine supports, insufficient bearings and the dis-alignment of the meshing teeth. Under proper working conditions the life of gearing made from rawhide has been satisfactory in a large variety of applications, such as main-drive gears for punch presses, boring mills, engines, lathes, pressure pumps, crane motors, etc.—American Machinist.



"That boy sure can step along with that girl, can't he?"
"Well, he ought to be able to, she's his step sister."

Kentucky State Proves Strong
Continued from Page 1

short looked good and will probably be given a tryout in the next official encounter. The score:

Kentucky—	A. B. R.	H.	P.O.	A.	E.	
Burnbaum, 3b.	.6	2	2	0	1	0
Sauer, lf.	.4	1	0	1	0	0
Proffs, 2b.	.5	3	2	1	4	1
Brown, 1b.	.5	0	2	12	1	0
Zerfoss, ss.	.5	2	0	2	3	1
Heber, c.	.3	1	0	11	1	0
Grubbe, cf.	.5	1	1	0	0	0
Sloner, rf.	.4	1	1	0	0	0
Cooper, p.	.4	2	1	0	2	0
<hr/>						
Totals	.41	13	9	27	12	2
Rose Poly—	A. B. R.	H.	P.O.	A.	E.	
Taggart, ss.	.1	0	0	1	1	2
Pence, rf.	.4	1	0	0	0	0
Steffen, 1b.	.4	0	0	6	0	0
Reinhard, lf., ss., p.	.4	0	2	0	1	2
Meadows, 3b., ss.	.4	0	0	3	0	2
Ruston, c.	.3	0	0	8	0	1
Hager, c.	.0	0	0	2	0	0
Brophy, 2b.	.3	0	0	1	3	0
Rosenbaum, lf.	.2	0	0	2	0	1
Anstead, lf.	.1	0	0	1	1	1
Rolshausen, p.	.1	0	0	0	3	0
Boyd, cf.	.2	0	0	2	0	0
Harris, cf.	.1	1	0	0	0	0
Price, 3b.	.2	0	1	1	1	0
<hr/>						
Totals	.32	2	3	27	10	9

ROSE TECHNIC

Kentucky.....3 1 6 0 0 0 1 2—13
Rose Poly.....0 0 0 0 0 0 0 2—2
Home run—Burnbaum. Three-base hits—Reinhard, Sloner. Two-base hits—Brown, Cooper. Sacrifice hits—Sauer, Heber. Base hits—Off Rolshausen, 6 in 3 innings; off Reinhard, 3 in 6 innings. Bases on balls—off Rolshausen, 1; off Reinhard, 1. Struck out—by Rolshausen, 3; by Reinhard, 6; by Cooper, 12. Hit batsman—Sloner by Rolshausen. Passed ball—Ruston. Umpire—Jensen. Time of game—1:45. Attendance—500.

Sophomore Class Honors
Memory of Virgil Morris

Whereas, we, the members of the Class of '22 of the Rose Polytechnic Institute have suffered an irreparable loss by the untimely death of our friend and classmate, Virgil K. Morris, and

Whereas, as both a student and soldier at Rose Tech, he had won our respect and friendship by his admirable qualities, therefore, be it

Resolved, that the members of this class extend their most sincere sympathies to his family in their bereavement and the assurance that their sorrow is shared equally by his classmates.

Be it further resolved, that a copy of these resolutions be sent to the stricken family, a copy made a part of the class minutes, and a copy published in the Rose Technic.

FRATERNITY
—NOTES—

SIGMA NU.

Beta Upsilon of Sigma Nu observed the fifty-first anniversary of the founding of the fraternity on Sunday, May 9. The Chapter attended services in a body at the First M. E. Church in the morning and at noon met at the Chapter House for dinner. Ed Gregg of Kentucky State Chapter, and Joe Eckart, of Wisconsin U. Chapter, were guests.

The members of the Chapter entertained with an informal dancing party at the house on Monday, May 10, in honor of Brothers Heber and Gregg, of Kentucky State U., and Joe Eckart, of Wisconsin U. About twenty-five couples were present.

P. I. E. S.

The P. I. E. S. are all going to turn sailors for one night and get away from this dry old terra firma. They are planning on a steamer ride up the Wabash on the evening of Saturday, May 29. This and a stag smoker on June 5 will conclude the very successful social season.

I. W. Newman, '20, now at Tulsa, Oklahoma, was a visitor at the house last week.

If there is one branch of applied engineering more than another that deserves attention from engineers who recognize the importance of accident prevention, it is the engineering design of industrial plants and plant structures. In the design stage, and only in the design stage, may fundamental provisions be made for the safe transportation and handling of materials and the safe employment of operatives. Furthermore, experience in this field will at once show that arrangements which introduce safety will at the same time effect economy.

I have in mind an instance of the effect of engineering revision that is at least interesting, since it involves a material of high intrinsic hazard—smokeless powder—properly classed as rapidly inflammable but not explosive. In 1916 the experience of the Du Pont Company in the final stages of manufacture of this material, at which time it is readily ignited, showed 7.1 deaths from burning per 100,000 lbs. accidentally consumed by fire. From 1916 until the end of the war great improvements were gradually introduced which permitted increased production and a decreased number of operatives. Though the losses by fire actually increased, the death rate per 100,000 consumed, fell to .95 and in 1918 to .08.

So also as regards the manufacture of T. N. T. In 1914 3,980 hours were

The House of Foulkes Bros.

Soft Shirts, Athletic Underwear, Silk and Fancy Hosiery. All the good things for the fellow who knows.

The House of Foulkes Bros.

Hatters, Haberdashers and Tailors

You will sure let Sparks make your clothes if you see the woollens we are showing at reasonable prices

Ed. Sparks

TAILOR AND HABERDASHER
715 Wabash Ave.

Telephone 295
BUNTIN DRUG CO.

Agency for Waterman & Conklin Fountain Pens. We will call for and deliver your Drug Package and Prescriptions FREE.
Two Stores—8th and Wabash and 6th and Wabash.

The NewSpring Society Brand
Suits are ready for you.

JOSEPH'S

"Walk-Overs" This Spring

Walk-Over has meant more than even its normal degree of leadership this season of uncertain qualities and higher prices—more, because the name insures a degree of quality that means real economy. Every desirable last and leather to insure a combination of style and comfort.

Walk-Over Boot Shop

651 Wabash Ave.

Philip's Factory Shoe Store

1119 East Wabash

A complete line of Men's Fine Dress Shoes, made of fine calf skin or cordury leather. Snap and style. You can always save a dollar or two on a pair because we are out of the high rent district.

lost from poisoning per 10,000,000 lbs. handled. Revision of method and process took place and in 1918, when double the amounts were handled, the hours lost had fallen from almost 4,000 to 11, and the number of cases (per 10,000,000 lbs.) from 123 to .2.—National Safety News.

ARMY ORDER LIMITS UNITS OF WEIGHTS AND MEASURES TO ENGLISH STANDARD.

British units of weights and measures are to be used as far as possible in the Army according to an order from the Chief of Staff issued April 28. The Chief of Staff in his order states that the Secretary of War has ordered that the following policy will govern the use of weights and measures by the Army:

"As an incident to the World War metric units of weight and measure necessarily were used in instruction and training. As a result more or less confusion now exists as to what units should be used normally. Hereafter the customary former units of weights and measures (including the degree Fahrenheit) will be used, as far as practicable, throughout the Army, as they were before the war. Material and equipment now graduated in metric units, when worn out, will be replaced

Rose Students

Derringer's Sanitary
Shave Shop

Five Best Hair Cutters the City.

Electric and Hand Massage.
Get "Slicked Up" for your June Dances.

Basement T. H. Trust Bldg.
R. E. DERRINGER, Prop.

by articles graduated in British units in such manner as will cause all parts of a regiment or similar organization (or smaller organization when there is no regimental organization) to be provided at all times with material and equipment graduated alike.

"This order shall not be construed to prevent the utilization of metric units of weight and measure when desirable in connection with specifications and contracts, medical and scientific supplies, scientific and research developments, international meteorology, foreign maps, monographs, handbooks, and similar subjects."—American Machinist.

Marley-Johnson Co.

Drawing Materials
Loose Leaf Note Books
Fine Stationery
647 Wabash Ave.

Let Holloway

Make Your
SCHOOL FOTOS

When You Think of Flowers,
Think of

HEINL'S

129 South Seventh Street
TERRE HAUTE

Valentine's

Economical Drugstore

Wabash Avenue at 6 1/2 Street.

In the Heart of Greater Terre Haute

Expert fitters of Trusses, Elastic
Hosiery, Abdominal Supporters, True-
fit Arch Lifts and Crutches. Private
fitting rooms.

Good Soda and Lunch

THE
American Restaurant

807 Wabash Ave.

We Cater to the Student Trade

Special attention to after theatre and
after dance parties.

My Slogan: Better Service without fancy
Prices.

OPEN ALL NIGHT

J. B. NICHOLS Prop

The Only Place of Its Kind
In Town

The ST. NICK
Barber Shop and Men's
Furnishings

448 North 9th Street
BERT STANLEY, Proprietor
CLEANING AND PRESSING
CLOTHES CALLED FOR AND DELIVERED
Try Us For Your Next Hair Cut

HIGGINS'



Drawing Inks
Etteral Writing Ink
Engrossing Ink
Taurine Mucilage
Photo Mounter Paste
Drawing Board Paste
Liquid Paste
Office Paste
Vegetable Glue, Etc.

Are the Finest and Best Inks
and Adhesives. Emancipate
yourself from the use of cor-
rosive and ill-smelling inks
and adhesives and adopt the
Higgins' Inks and Adhesives
They will be a revelation to
you, they are so sweet, clean,
well put up and withal so effi-
cient. At Dealers Generally.
CHAS. M. HIGGINS & CO., Mfrs.
271 Ninth St., Brooklyn, N. Y.
Branches: London, Chicago

THE
WALDORF

Indiana's Finest Store

Cigars - Billiards - Soda

Across from Terminal Arcade
One door west of American
Theatre.

Engineers Lose First of City
Series

Continued from Page 1

serenely hangs. Into the soul of Rein-
hard went the spirit of this magic thing
when our warrior was threading with
ecstatic joy the baseline after so
effectually mauling the pill, for surely
under no other influence could the
"Babe" Ruth of Rose baseball have
neglected to touch third in his trip
around the world on that wierd after-
noon. Reinhard's mighty swat had
gone for naught and Normal still led
by the measly one-run margin.

Seeing that their guiding god was
with them in person Coach Bayh's
men took new life in what was but
what should not have been the last in-
ning. To Winters, Normal catcher, we
take off our hats. Winters represent-
ed most of the Normal life that gave
the blue two more runs in the eighth
and incidentally the game. Please note
that I said the eighth for the eighth
was the last. Let us gather a lesson
from the error of this game and get
some sort of a score board in evidence
on the diamond so that no more we will
face the danger of having an umpire
call the game at the eighth thinking it
was the ninth frame. Boy, page the
baseball manager.

In a see-saw, spectacular game, Rose
had been nosed out at the very finish
by a margin of two runs and though
the Engineers rally in their half of the
eighth was impressive it fell short as
expected. The game had started out
looking like a lost hope but by brilliant
hitting the Rose players had made
back a most discouraging lead only to
lose it at the end. Well, let's don't
cry over this little upset. There are
stills games Nos. 2 and 3 and anyway
it was Normal's game in the first place.
A team that drives one pitcher out of
the box is usually supposed to win, so
make your bow, fellows, to the Nor-
mal ball team, now leading in the race
for the 1920 I. C. A. L. championship.
Below you may see the record of the
first engagement which does not look
so bad considering everything save
the runs:

Normal—	A.B.	R.	H.	P.O.	A.	E.
Glenn, ss.	4	3	1	1	2	0
Young, lf.	3	1	1	0	1	1
Schinnerer, cf.	4	0	0	2	1	0
Winters, c.	3	1	2	6	0	1
Hostettler, rf.	2	1	1	1	0	0
Webb, rf.	2	0	0	0	0	0
Lowe, 3b.	3	1	0	2	3	0
Jensen, 2b.	3	1	0	2	1	2
Roush, lb.	3	0	0	9	0	0
Kerr, p.	3	1	1	1	0	1

Totals	30	9	6	24	8	5
Rose Poly—	A.B.	R.	H.	P.O.	A.	E.
Taggart, ss.	3	1	1	1	1	1
Pence, 2b.	4	2	1	2	1	0
Steffen, lb.	4	1	1	10	0	0
Reinhard, rf. p.	3	2	3	0	2	0
Rolshausen, p. rf.	4	0	2	0	1	1
Harris, cf.	2	0	0	1	0	0
Brophy, cf.	2	1	1	1	0	0
Meadows, 3b.	4	0	1	1	3	0
Ruston, c.	4	0	2	7	0	0
Owens, lf.	3	0	0	1	0	1
*McCombs	1	0	0	0	0	0

Totals23 7 12 24 8 3
*McCombs batted for Taggart in the
8th.

Normal5 0 0 1 0 1 0 2—9
Rose Poly2 0 4 0 0 0 1—7

Home run—Glenn. Three-base hits—
Winters (2), Reinhard, Ruston. Two-
base hits—Reinhard (2), Hostettler.
Sacrifice hits—Winters, Schinnerer.
Stolen bases—Winters, (2); Glenn,
Pence (2); Reinhard, Taggart, Steffen,
Rolshausen. Hits—off Rolshausen, 3
in 2-3 inning; off Reinhard, 3 in 7 2-3
innings. Base on balls—off Rolshau-
sen (2); off Reinhard (5); off Kerr,
(2). Hit by pitcher—Young by Rein-
hard. Time of game—2:30. Umpires
—Barthel and Lotz.

Swope - Nehf
JEWELERS

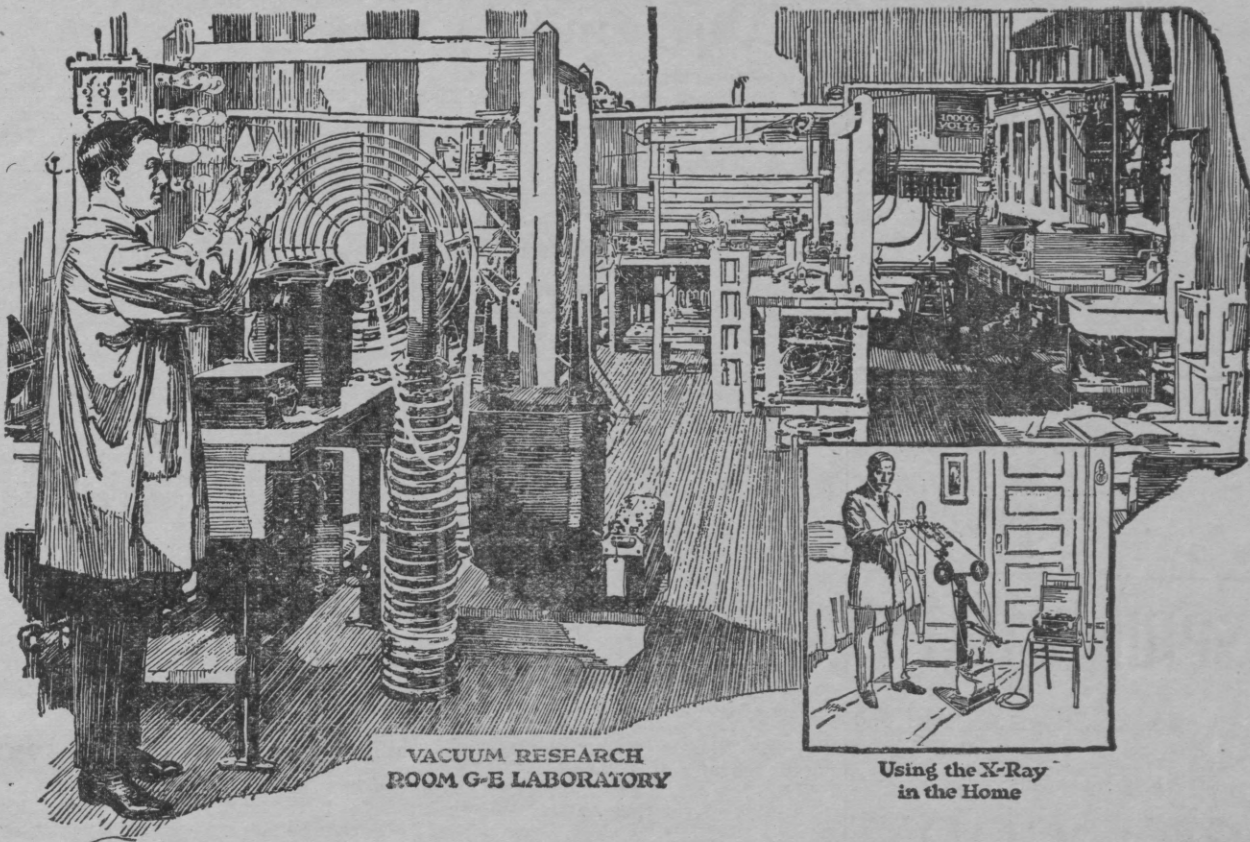
Fine Jewelry and Watch Repairing

Max Frank

"The Sole Saver"

High-Class Shoe Repairing

Both Phones. We Call for Your Work
Rose Dispensary, 7th and Cherry.



VACUUM RESEARCH
ROOM G-E LABORATORY

Using the X-Ray
in the Home

Greater X-ray Service—
through Research

FOR years after the discovery of
X-rays it was evident that only
intensive research could unfold their
real possibilities.

Meanwhile, scientists of the General
Electric Company developed the pro-
cess of making wrought tungsten.
This proved ideal as the target in X-ray
tubes and its use for this purpose soon
became universal.

Then further research resulted in the
development of an X-ray tube of a
radically new type—the Coolidge
Tube—with both electrodes of
wrought tungsten and containing the
highest attainable vacuum.

But the complication of high-vacuum
pumps made the new tube in large



Self-
rectifying,
Radiator-
type
Coolidge
X-ray
Tube

quantities impossible. The answer to
this problem was the Langmuir Con-
densation Pump, utilizing mercury
vapor in its operation and almost
automatic.

To meet the need for simple X-ray
apparatus during the war, the G-E
Laboratory developed the Self-Recti-
fying Coolidge Tube, which made
possible portable outfits at the front.
The latest X-ray outfit of this type
is so small it can be taken conve-
niently to the home or to the bedside
in the hospital.

Thus the Research Laboratory of the
General Electric Company continues
to serve, that progress in things elec-
trical may continue for the good of
humanity.

General Electric
Company

General Office
Schenectady, N.Y.

Sales Offices in
all large cities

95-454D

Suits at \$28.45

Because of belated Spring we have decided to make substan-
tial reductions on several hundred of our choicest Spring
Suits and in the number are all the good materials such as
flannels, serges and mixtures. Actually worth up to \$40.00.
Now only \$28.45.

MYERS BROS.

4th and Wabash

PATENTS AND PATENT CAUSES

ARTHUR M. HOOD (Rose '93)

GEORGE B. SCHLEY

HOOD & SCHLEY

908 HUME-MANSUR BLDG.

INDIANAPOLIS, IND.

For the Warmer Season

"Cool Cloth" and Palm Beach Suits. New Straw Hats, Silk
Shirts, Silk Hose, Etc.

COME IN AND SEE THEM

THORMAN & SCHLOSS
666 Wabash Ave.

Tailors, Clothiers, Hattes,
Haberdashiers
Both Phones 137

TWENTY-FOUR HOUR SERVICE

Leave your films here for de-
veloping, printing and en-
larging. Films left on Sun-
day are back Monday at 6
P. M. Anseo Cameras and
Films.

Arthur Baur's
Pharmacy

677 Wabash.

Terre Haute, Ind.

WM. SCHONEFELD DRUGGIST

Seventh St. and Big Four R. R.
Candies, Cigars, Cigarettes,
Note Books, Etc.

Get Your Hair Cut at the
Great Northern Barber Shop

Opposite Big Four Station
SUITS PRESSED, 50c
Woodsie D. Fuqua, Prop.

SPRING HATS

New and becoming Straw Hats and
Caps now ready.

Meet me bareheaded.

BILL CODY

715 Wabash Ave.

Packard & Bond Pianos
Brunswick Phonographs

BRUNSWICK SHOP

527 Wabash Ave.

Buy the Best—

KUPPENHEIMER CLOTHES

For Sale by

CARL WOLF

629 Wabash Avenue

ERMISCH My Cleaner

**CLEANS
CLOTHES
CLEANER**

Both Phones.

We call for and deliver.

SPORTING GOODS

and

STATIONERY

L. D. SMITH

New Phone 6

673 Wabash Ave. Terre Haute, Ind.

THE STONE STUDIO

High-Class Portraits. All Work
Guaranteed.

651½ Wabash Ave.

J.M. Bigwood & Son

WATCHMAKERS

AND

JEWELERS

Eyes Tested Free By Registered
Optician.

Fine Watch and Jewelry Repairing.

Differentials

A professor called Albert Faurot
Told his class they were going too
slot;

He assigned forty pages
They flew into rages,
And told Albert just where he could
got.

A SENIOR'S THANKSGIVING

Diploma fees, invitations,
Costs attending graduations—
Each time I pay, my heart grows glad:
It's not too late to still soak Dad.

"What makes that red spot on your
nose?"

"Glasses."

"Glasses of what?"—Burr.

It (at the box office)—Have you a
seat left?

Ticket Seller—Just one—U-21?

It—I am, but if it's that kind of a
show I don't think I care to see it.
—Ex.

You've heard about the raisin
With the kick of ten per cent,
But the raisin with the wallop
Is the raisin' of the rent.

"Don't those girls remind you of a
popular brand of cigarettes?"

"How?"

"Mild, and yet they satisfy."—Punch
Bowl.

Joe—Set that alarm for two, will
you?

Hank—You and who else?

HAVANA BOUND

Some men used to go on their vaca-
tions to get away from booze, but now
—well, now it's different.—Life.

IN REEL LIFE

He tossed her first a custard pie
That lit right square upon her eye,
And then a stone and then a brick—
Gee! but that woman's skull was thick.

She turned around, then to him flew,
And whispered softly, "I love you."
He said, "I meant not to offend"—
The picture closes. 'Tis the end.

IN REAL LIFE

He told her that she spent too much
Upon her clothes and hats and such.
She grabbed a flat iron from nearby,
And at his head she let it fly.

She beat him with a rolling pin
Till she was sure that she would win.
And, when she stopped to draw a
breath,

She saw she'd beaten him to death.
—Columbus Dispatch.

Bert—You look sweet enough to eat.
Gert—I do eat. Where shall we go?
—Orange Peel.

Professor—What do you know about
cells?

Student—Not much—I've only been
in two.—Gargoyle.

WHERE DID THE 50 CENTS COME FROM?

We have just learned of an En-
gineer who started poor 20 years ago
and has retired with the comfortable
fortune of \$50,000. This money was
acquired through industry, economy,
conscientious efforts to give full value,
indomitable perseverance, and the
death of an uncle who left the engineer
\$49,999.50.—From a Bulletin of the
Secretary of the Colorado Engineers'
Society.

THE COBOON

VOL. I

"All Contributions Cheerfully Accepted"

No. 15

A rather serious accident occurred
last week in the wood shop. Mr. Ray-
mond Harris was busily engaged in
running a lathe when Al Standau of-
fered him some of his favorite brand
of chewing tobacco. Young Harris
thoughtlessly opened his mouth to ad-
mit the chew when a lot of the chips
from the whirling block of wood flew
into his open mouth badly choking him
and nearly causing him to swallow the
chew. It was some time before he had
recovered sufficiently to resume his
work.

A number of freshmen have been en-
gaged for some time in some mysteri-
ous carpenter work in the wood shop.
After having repeatedly refused to ex-
plain what they were about, one of
them finally admitted, on cross-exam-
ination, that they were building a crib
—large enough for all of them to use
during the final examination week. The
conspirators were all suspended from
school for half an hour and not al-
lowed to make up the time.

Mr. Stuffy Taggart, the famous ball
player, was the victim of a painful ac-
cident while practicing for baseball
last week. Little Eubert, who had just
missed a pop fly, was called to task by
Coach Gilbert. While explaining just
how it happened, Taggart got to beat-
ing it around the bush, and he gained
such great velocity that he skidded
and fell on his left wrist spraining it
badly.

His eyes were big as onions,
His head was in a jam,
His heart felt like a brick bat
As he came from Hath's exam.

A recent raid on one of the notori-
ous road houses just north of the city,
furnished quite a surprise for those
who still believe in the eternal good-
ness of the few, for, among those taken
in the foray was none other than our
own Arthur Peter Woolfolk, one of the
community's society peers and head
of the local branch of the Purity
League. Woolfolk, besides being held
as a witness in the trial of the dive
keeper was also forced to appear in his
own behalf on charges, publication of
which is being withheld out of courte-
sy to the young man, as this is his
first known step in that direction.

The shades of night were falling fast
As up the street Sat Treadway passed.
He counts a night as lost unless
He gets to see someone undress.

The regular Tuesday evening Jour-
nal Review class was held on Thurs-
day of last week instead of Saturday,
having been postponed from Monday.
Professor Child was highly elated at
the good attendance, both speakers be-
ing present. Unfortunately, however,
he had forgotten his trusty Big Ben
and when five o'clock rolled around he
had to render a vocal solo in his loud-
est voice to arouse the boys.

I write you a sonnet
Of Edwin Jonhonnott,
A teacher who shelters
A bee in his bonnet.

Here's to Carl Wischmeyer
The bravest known today;
He started on an auto trip
In his little Chevrolet.

Up to the time of going to press, one
casualty has been reported among the
seniors working on their theses. Mr.
G. N. Maxwell, while working in Knip-
py's electric lab. one day last week,
suddenly collapsed. He was carried
to Henry's rest room by his co-work-
ers, where he was soon revived. It
seems that young Maxwell had been
working day and night on his thesis,
and the strain was too much for his
delicate system—hence the breakdown.
Dr. White has warned all of the Sen-
iors against overwork, citing Maxwell
as a horrible example.

The Rose is red,
The Normal blue.
Sugar is scarce,
And booze is too.

It is rumored that certain students
are planning to get out an injunction
against the fellow who runs the new
motor lawn mower to prevent him
from cutting down the immense num-
ber of dandelions on the campus. They
contend that these flowers add beauty
to the lawn, and then, too, they have
a more important use now—but—well,
it takes an awful lot of blossoms to
make a gallon, anyway.

In the Schenectady Plant of the
General Electric Company there are
more than 1500 electrically heated
appliances in use.

Electricity adds hours to the day;
subtracts work and worry; multiplies
home and business comforts; and di-
vides work with pleasure.

GRADUATION SUITS

For the Technical Graduate
The Latest Styles in Wearing Apparel

There's a Spark in a Fashion Park

Lee Goodman & Son

410 WABASH AVE.

Freitag, Weinhardt & Co.

OPPOSITE HOTEL DEMING

30-32 North Sixth

Heating, Plumbing, Electrical and Hardware Contractors

ESTIMATES CHEERFULLY FURNISHED

For Hart, Schaffner & Marx Fine
Clothes, Stetson Shoes, Emerson
Shoes, Stetson and other Stylish
Hats, go to

TUNE BROTHERS

5th and Wabash

ROSE POLYTECHNIC INSTITUTE

Founded by Chauncy Rose at Terre Haute,
Indiana, 1874.

A College of Engineering

Offers a SCIENTIFIC EDUCATION, based on Mathe-
matics, Modern Languages, Physical Sciences
and Drawing, with thorough instructions
in the Principles and Practices of

Mechanical, Electrical, Civil, Architectural, and Chemical Engineering

FACULTY

C. LEO MEES, Ph. D., President Emeritus.
JOHN WHITE, Ph. D., Acting President, Professor of Chemistry.
JAMES A. WICKERSHAM, M. A. Professor of Languages.
MALVERD A. HOWE, C. E., Professor Emeritus of Civil and Architectural
Engineering.
ARTHUR S. HATHAWAY, B. S., Professor of Mathematics.
JOHN B. PEDDLE, M. E., Professor of Machine Design.
FRANK C. WAGNER, M. A., Professor of Mechanical and Electrical Engi-
neering.
EDWIN S. JOHONNOTT, Ph. D., Professor of Physics.
ROBERT L. MCCORMICK, C. E., Professor of Mechanics and Associate Pro-
fessor in Civil Engineering.
HAROLD A. THOMAS, C. E., Professor of Hydraulics and Associate Professor
in Civil Engineering.
CARL WISCHMEYER, M. S., Professor of Shop Management and Associate
Professor of Machine Design.
WILLIAM D. WEIDLEIN, B. S., Capt. Engineers, U. S. A.; Professor of Mil-
itary Science and Tactics.
CLARENCE C. KNIPMEYER, B. S., Associate Professor of Electrical Engi-
neering.
ALBERT A. FAUROT, M. A., Associate Professor in Languages and Librarian.
ALFRED T. CHILD, M. A., Associate Professor in Chemistry.
ORION L. STOCK, B. S., Assistant Professor in Drawing and Architectural
Design.
ROBERT R. SELLERS, C. E., Assistant Professor in Mathematics and Civil
Engineering.
ERROL L. FOX, B. A. Instructor in Chemistry.
MRS. S. P. BURTON, Registrar.
MRS. ETHEL McCULLOUGH, Assistant Librarian.