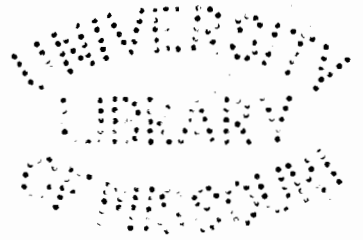


THE 1921  
SHAMROCK



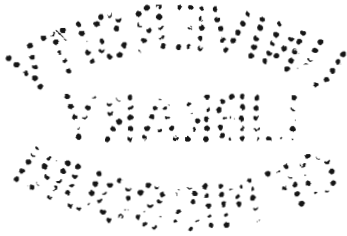
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Published by  
The Students  
in the  
School of Engineering  
on every  
SAINT PATRICK'S DAY

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UNIVERSITY OF MISSOURI

# THE NINETEEN-TWENTY-ONE SHAMROCK



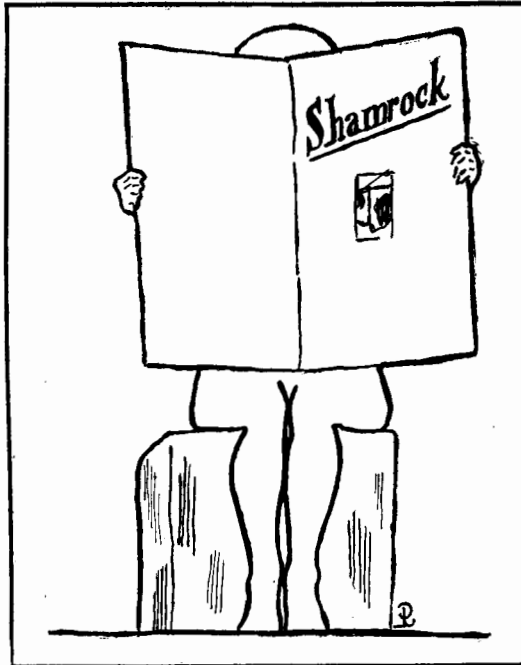
## IT CAN BE DONE

Somebody said that it couldn't be done,  
But he with a chuckle replied  
That "May be it couldn't" but he would be  
    one  
Who wouldn't say so until he tried.  
So he buckled right in with a trace of a  
    grin  
On his face. If he worried, he hid it.  
He started to sing as he tackled the thing  
That couldn't be done and he did it.

Somebody scoffed: "Oh, you'll never do  
    that,  
At least no one ever has done it."  
But he took off his coat and he took off his  
    hat,  
And the first thing he knew he'd begun it,  
With the lift of his chin and a bit of a grin,  
If any doubt rose he forbid it;  
He started to sing as he tackled the thing  
That couldn't be done and he did it.

There are thousands to tell you it cannot  
    be done,  
There are thousands to prophesy failure;  
There are thousands to point out to you,  
    one by one,  
The dangers that wait to assail you,  
But just buckle right in with a bit of a grin,  
Then take off your coat and go to it,  
Just start in to sing as you tackle the thing,  
That cannot be done and you'll do it.

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1921  
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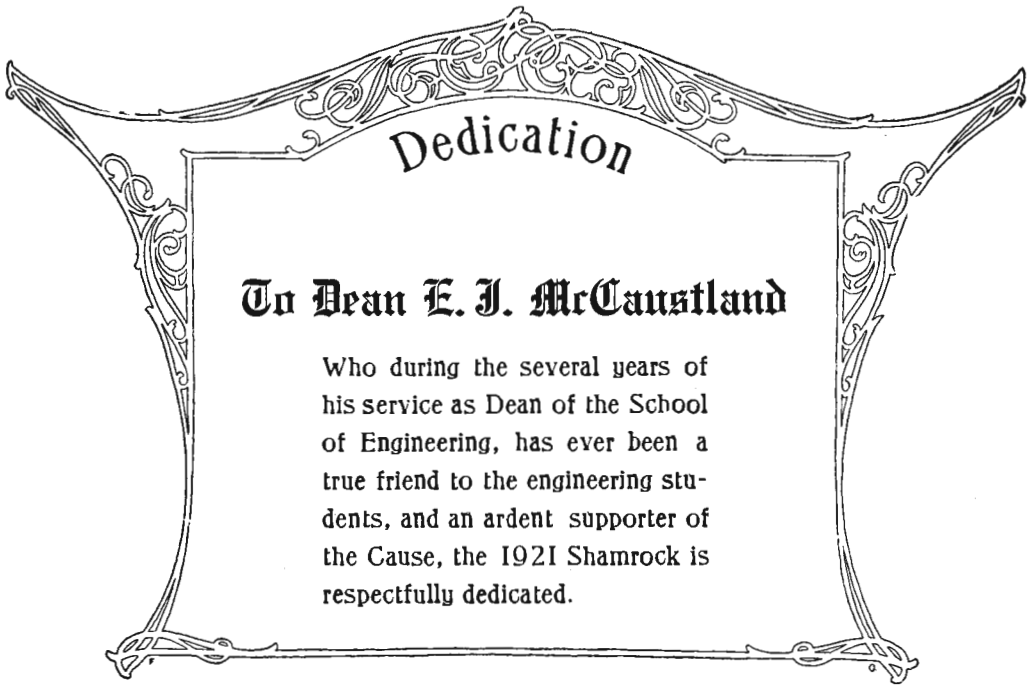


INITIUM

Prof. A. L. Hyde

7/28/42





Dedication

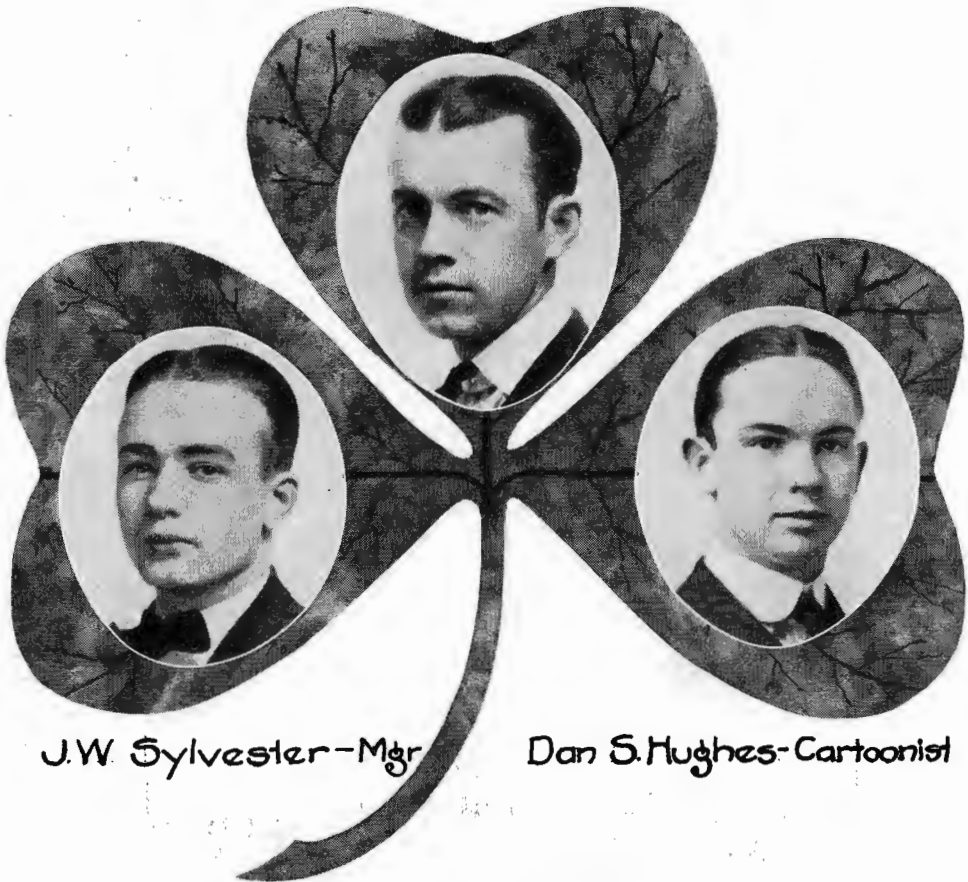
**To Dean E. J. McCausland**

Who during the several years of his service as Dean of the School of Engineering, has ever been a true friend to the engineering students, and an ardent supporter of the Cause, the 1921 Shamrock is respectfully dedicated.



# Shamrock<sup>1924</sup> STAFF

J.W. Moody - Editor



J.W. Sylvester - Mgr

Dan S. Hughes - Cartoonist

Associate

W.C. Wheeler - Senior  
John Calvert - Junior

Editors

R.F. Calhoun, Jr. - Soph.  
- Fresh.



GILTNER R. INGELS  
Representative & S. P. J.



#### HONORARY KNIGHT.

FRANK H. MILLER.

Mr. Miller is the only Jayhawker in the Engineering Department. He received his B. S. in E. E. at the University of Kansas in 1915. While a student at K. U. he won his "K" in football.

After receiving his degree, Mr. Miller went with the General Electric Company where he remained two years. Then for about a year and a half he was on electric construction work. He resigned to enlist in the army. Mr. Miller served sixteen months in the service, serving in the Radio Research Laboratories, holding a commission as second-lieutenant.

In September, 1919, Mr. Miller came to the University of Missouri as instructor in Electrical Engineering. During his two years here he has proven himself a true Engineer, and we gladly welcome him into our organization.

#### HONORARY KNIGHT.

HIRAM PHILLIPS.

Another of our alumni who is doing honor to his Alma Mater is Hiram Phillips, Consulting Engineer, St. Louis, Missouri.

On St. Pat's Day, 1921, Mr. Phillips was dubbed Honorary Knight of St. Patrick. It is with much pleasure that we welcome him into the Guard.

EIGHT

#### HONORARY LADY OF ST. PATRICK.

MRS. JANE A. HURTY.

Mrs. Hurty is the first Librarian of the Engineering Library. She became our librarian in September, 1913, the first year that the library was located in its present location. Previous to this time the Engineering Library occupied a small room in the Annex and was run by student help entirely.

Due to Mrs. Hurty's untiring efforts and care, we now have a real library; one which all the boys are proud of, and one in which they are always sure of the kindest services.

The 1917 volume of the Shamrock was respectfully dedicated to our librarian, expressing the high esteem in which Mrs. Hurty was then held by the Engineering students; on St. Patrick's Day, 1921, the Engineers of the University of Missouri showed their appreciation of her services and devotion to them by conferring this honor upon her, Honorary Lady of St. Patrick. She is the second to receive this honor, the other being Miss Mary E. Stephens (now Mrs. Mary E. Stephens Barnes) to whom the 1911 Shamrock was dedicated and who received this title about 1909 or '10.

# THE NINETEEN-TWENTY-ONE SHAMROCK

## HONORARY KNIGHT.

WILLIAM B. CAUTHORN.

In 1891 Mr. Cauthorn received his degree in Civil Engineering at the University of Missouri. Immediately after his graduation he entered government service on Red River topographic and levee surveys. He later saw service on the Missouri River Commission, and then returned to the University for a time as assistant in chemical laboratory.

Mr. Cauthorn's Engineering experience has been varied, though railroad location has received most of his attention. He was engaged in the location of the M. K. & T. from Booneville to St. Louis, and later was chief engineer of the Salt River Valley railroad in Arizona. Was engineer with the American Asphalt Co., Chicago, for two or three years. In 1915-16 he was promoter of the Clay County Bond Issue which involved a large sum of money for highway construction. Since 1916 Mr. Cauthorn has been in private practice, with his office at Columbia, devoting most of his time to highway promotion and construction.

When the new capitol building was under construction at Jefferson City, Mr. Cauthorn was Engineer in charge of foundation and superstructure representing the contractors.

Since the days when he was a student here to the present time, Mr. Cauthorn has always been a loyal friend to the Engineering students and is always glad to lend a helping hand to a needy student. This honor which we this day confer upon him is in recognition of the esteem in which we hold him.

## HONORARY KNIGHT

*Charles Proteus Steinmetz*

Mr. Steinmetz was born in Breslau, Germany, in 1865. Was educated at Breslau, Berlin, Zurich, and in Switzerland. Specialized in mathematics and electrical engineering and chemistry. Honorary A. M. from Harvard '02, and Ph. D. from Union U., New York, '03. Consulting Engineer, General Electric Co., 1893—; Prof of Electro-physics, Union U. 1902—. Author of scores of books on electricity, also sundry math, papers and investigations;

## HONORARY KNIGHT

*Herbert Clark Hoover*

Mr. Hoover was Food Administrator of the U. S. and Member of the War Trade Council, 1917-1920 and Director General of Allied Relief Administration in Paris after the Armistice.

He was born in West Branch, Iowa, in 1874; educated at Stanford University as a Mining Engineer, and later has received L. L. D. from Williams, Harvard, Princeton, Brown, Pennsylvania, Oberlin, Columbia College, Yale and Alabama; and Doctor of Civil Law from Oxford. Commander, Legion of Honor; French Academy Audiffret Prize 1918; honorary degrees from numerous French, Belgian, and Polish Universities, and honorary membership in American and European societies and associations.

Was with U. S. Geological Survey, Sierra Nevada Mountains 1895, in Western Australia, 1897, Chief Engineer Chinese Imperial Bureau of Mines, 1899; took part in Tientsin during Boxer Rebellion 1900; Partner Bewick, Moreing and Company, Mine Operators, London 1902-08. Chairman for Relief Commission for Belgium during war.

Principal publications are: Principles of Mining, and Agricola's De Re Metallica. He is a member of the University Club, New York; Pacific Union and Bohemian in San Francisco; Metropolitan, Cosmos, and Chevy Chase, Washington

On March 17th, 1921, Mr. Hoover was made an Honorary Knight of St. Patrick by the members of the Guard of St. Patrick at the University of Missouri. Mr. Hoover is an engineer who has made a success of every undertaking that he has been brought up against. We are highly honored to have him a member of our Guard.

and numerous papers on theoretical, experimental, investigations in Electrical Engineering.

Past President, A. I. E. E., 1901-02.

An invitation was extended to Mr. Steinmetz, and he was made Honorary Knight of St. Patrick on March 17th, 1921. His accomplishments in the electrical field should serve as an incentive to every Electrical Engineer who goes out from Missouri. We are truly honored to have Mr. Steinmetz as a member of the Guard of St. Patrick of the University of Missouri.

# THE NINETEEN-TWENTY-ONE SHAMROCK

## LATER ON

*There'll be kicks about the work*  
    *Later on.*  
*There'll be growls from Studes that shirk*  
    *Later on;*  
*Every Civil will confide*  
*In his pardner by his side*  
*And will long for Lincoln Hyde*  
    *Later on.*

*We will oft express regret*  
    *Later on.*  
*When our brows shall reek with sweat*  
    *Later on;*  
*That rude jibes we used to throw*  
*At such Profs as Daddy Defoe,*  
*And we'll yearn for what he knows*  
    *Later on.*

*We'll be sorry that we fussed*  
    *Later on.*  
*And at Weine we did cuss,*  
    *Later on;*  
*For the man whom we sell watts*  
*Will exact of knowledge—lots,*  
*We will feel like little tots,*  
    *Later on.*

*High the mercury will rise*  
    *Later on.*  
*In that land where Hot Wad lies*  
    *Later on;*  
*His locomotives—how they'll whizz*  
*With his entropy, all afizz,*  
*And his bones will fairly sizz*  
    *Later on.*

*Bear in mind for sleep you'll pine*  
    *Later on.*  
*Good joke too, are hard to find*  
    *Later on;*  
*So while Freddy will unfold*  
*Good jokes that most knocks you cold*  
*Just repose in sleep foretold*  
    *Later on.*

## HONORARY KNIGHTS OF ST. PATRICK.

It will doubtless be of interest to all loyal followers of St. Pat to know upon whom the degree of Honorary Knight of St. Patrick has been conferred since time immemorial.

In scanning all known records the following valuable information has been gleaned:

1908—W. S. Williams and F. P. Spalding.  
1909—Prof. Green (Mech. Engr.).  
1910—A. Ross Hill and T. J. Rodhouse.  
1911—W. A. Miller and Fessenden.  
1912—O. M. Stewart and Filbrick.  
1913—Kellogg and Kellogg.  
1914—  
1915—Louis Ingold and H. W. Hibbard.  
1916—E. J. McCaustland and G. D. Newton.  
1917—A. C. Lanier and I. S. Griffith.  
1918—H. M. Reese and D. P. Savant.  
1919—Herman Schlundt and E. W. Lehman.  
1920—W. A. Tarr and E. R. Hedrick.  
1921—F. H. Miller, Mrs. Jane Hurty, W. B. Cauthorn, Hiram Phillips.

## MORE INFORMATION.

### *Dedications.*

1906—St. Patrick.  
1907—Prof. A. M. Green.  
1908—University Girls.  
1909—Dr. Defoe.  
1910—Class of 1903.  
1911—Mary E. Stephens.  
1912—Engineer Alumni.  
1913—The Girls.  
1914—Class of 1914.  
1915—Daddy Defoe.  
1916—W. S. Williams.  
1917—Mrs. Jane Hurty.  
1918—Woodrow Wilson.  
1919—Our Dead.  
1920—Missouri Valley Champions.  
1921—Dean E. J. McCaustland.



**JOHN HEIBERGER**  
Pres. Senior Engrs.

**C. N. McDAVITT**  
Pres. St. Pat Board

**W. G. CRAIG**  
Pres. Soph. Engrs.

**G. R. INGELS**  
All Senior Pres.

**R. F. DIERKING**  
Pres. Junior Engrs.

**G. E. SPITZER**  
All Soph. Pres.

**J. W. MOODY**  
Pres. A. A. E.

**O. F. ROTHMEYER**  
Pres. Engineers Club

**W. H. LEAVEL**  
Pres. Fresh. Engrs.

## Queen of the Dance

Faith! byes the colleen 's a dear  
Queen o' St. Pats,  
Now engineers  
Take off your hats.

Faith byes!, the colleen's a dear,  
Queen o' St. Pats.  
Now perlite engineers  
Take off yer hats.

This is the queen, full of sweet grace,  
Bringing beauty and happy good cheer  
For our great Saint's Festival-a royal place  
In the kingdom of "All Engineer".



**Miss Helen Bradford**  
**Queen of St. Patrick's Ball**

**Second Annual Convention  
Guard of St. Patrick**

Iowa State College, Ames, Iowa, February  
10, 11, 12, 1921

Founded at the University of Missouri,  
December, 1919, for the purpose of pro-  
moting co-operation among engineering  
colleges, brotherhood among engineering  
students, and to exchange ideas and cus-  
toms.

OFFICERS

W. CRILLY, *Ames, President*                      R. G. FINDLEY, *U. of Mo., Secy-Treas.*  
*Vice-President, (To be elected), Rolla.*

DELEGATES

MISSOURI

G. R. INGLES    R. H. JAEGER    H. L. HARDAWAY

ROLLA SCHOOL OF MINES

J. P. COLVERT    W. R. GETTLER

AMES

W. C. FERGUSON    C. M. BENCE

ARKANSAS

R. J. HORN    L. C. STARBIRD

OKLAHOMA U.

J. H. BAXTER

OKLAHOMA A. & M.

M. W. HINSON

TENNESSEE

McGREGOR SMITH

IOWA U.

J. CUMBERLAND    E. H. GEISSINGER

MINNESOTA

H. E. BROWN    JACOBSON

COLORADO

STEIFEL

# THE NINETEEN-TWENTY-ONE SHAMROCK

## CONVENTION OF THE GUARD OF ST. PATRICK

Held at Ames, Iowa  
February 10, 11, 12, 1921



THE second annual convention of the Guard of St. Patrick was held at Ames, Iowa, February 10, 11, 12, 1921. Giltner Ingles, Roy Jaeger, and Harold Hardaway represented Missouri at the convention; Ingles being senior delegate and Jaeger and Hardaway junior delegates. All schools represented showed a great amount of enthusiasm and all worked hard and diligently for the betterment of a bigger and better Guard.

The first convention was called together last year when Missouri invited all of the nearby Universities to send delegates to Columbia to a National St. Patrick's Convention. Eleven schools were represented at this first convention. This year two more schools were represented at the Ames convention, University of Colorado and University of Iowa. The following are the members of the Guard at present: University of Missouri, Missouri School of Mines, Iowa State College, University of Iowa, University of Oklahoma, University of Minnesota, University of Arkansas, University of Tennessee, Oklahoma A. & M., University of Mississippi, Washington University, University of Nebraska, University of Colorado, and University of Iowa.

The three day's program opened Thursday, February 10 at 10:30 A. M., the meeting being called to order by Vice-President, Wm. Crilly. Following was an address of welcome by Anson Marston, Dean of Engineering, Iowa State College; a response was given by J. P. Colvert of Rolla, after which there was roll call and filing of credentials. The minutes of the last meeting were then submitted and the appointment of the various committees were made. Adjournment until afternoon. Thursday afternoon was given over to the report of delegates. These reports were divided into two groups; a. report on stunts, and b. report on organization. These reports were very interesting and many were well worth duplicating. In some of the schools the program is put on by the junior class aided by the sophomores and freshmen, while the seniors are honor guests; most of the schools hold open house and put on a pa-

rade on St. Pat's Day, much the same as we do at Missouri.

One feature of the stunts which most schools carry out but which has never been done here is the idea of the St. Patrick Queen. This is a very striking feature of the celebration and fits in well in connection with the St. Pat's Ball. This will be a new feature of our dance and celebration in general this year. This idea seemed to originate at Rolla, where the fellows seem to make the activities more along the social line than is done here. In fact they enjoy the functions so much that they spread the affair out over two or three days, and putting on two dances during the festivities.

Friday morning was taken up by reports of Convention Committees. An important, probably the most important affair of the entire convention came up in this meeting; namely, the seeming necessity of providing a new name for the organization. This question came up because some of the schools were unable to carry on during St. Patrick's day owing to some misunderstanding as to the nature of the affair, by some other parties. This is an old grievance at many of the schools already in the Guard and was the principal reason that more new schools were not represented at this year's convention. Many names were proposed but none met with the unanimous approval of the delegates. Such names as Knight of the Slip-Stick, and Association of Collegiate Engineers were proposed. Finally all but Missouri voted for the adoption of the name, Association of Collegiate Engineers, and it stood thus at the adjournment of the convention.

Several slight changes were made in the constitution of the organization, the most important of which are: Shall be a fit knighting ceremony; a convention to be held each year, the place to be decided upon at the preceding meeting and date to be decided by college at which convention is to be held; any member who is in his or her senior year, who has taken part in all activities of the organization while in college and has paid all required dues is eligible for knighting.

AMENDMENTS—Activities: Celebrate a common holiday; promote student government and exchange ideas; promote student publications; promote student activities such as co-operative book stores and athletics.

# THE NINETEEN-TWENTY-ONE SHAMROCK

Organization of Local Chapter: Shall be governing body of engineering students; shall include customary officers and representative council with at least one faculty member chosen by council.


There was work to do every minute of the convention but there was also times when one was very glad that business was not all. One of these times of which I speak, was at eight o'clock Thursday evening when we gathered around the banquet board at the Sheldon-Munn; it was a real banquet and we surely did justice to it. Another most enjoyable time was the dance on Friday night at Margaret Hall. One of the Missouri Delegates fell hard for his date and we wouldn't doubt but what there were other falls on that occasion.

We are truly glad to see the St. Pat's stunt spreading out to all neighboring schools. We feel pretty safe in prophesying that before many more celebrations, the St. Pat's Day Celebration will have spread to all parts of the country.

“Then will I count this loving toil well spent,  
Then will I dream awhile content, content.”

—Service

## THE VALUE OF ST. PAT'S CELEBRATION

 ANY fail to realize the true value of St. Pat's Day at the University of Missouri. The average student in the School of Engineering possesses an attitude toward St. Pat's celebration which is similar to that of the average college student toward athletics. He is intensely interested in the work, but does not want to do anything himself. Yet if he would only engage in the work for a time he would, like an athlete, have occasion to say after he had graduated: “It has been of great value to me, because it has taught me many things which I could not have learned elsewhere.”

St. Pat's celebration is the Engineers' homecoming. The St. Pat's Board and the Shamrock Staff write to all the old grads urging them to come back and participate in the “doings of the day.” In answer some come, some send best wishes for a successful celebration, and some remember that the boys will soon be out looking for jobs.

Each department in the School of Engineering strives to give the best program of the day. The rivalry, however, does not create bitterness, but rather draws forth commendation from each group for those working in the other departments. Pep, good will, and co-operation, instead of grouchiness and selfishness, is the result among the students in each department, and between the departments.

In preparing the stunts the seniors, juniors, sophomores, and freshmen are all working together for a common cause. In this way they become better acquainted and have a better knowledge of one another than they would have if their relationship extended no further than the class room, or perhaps not even that far.

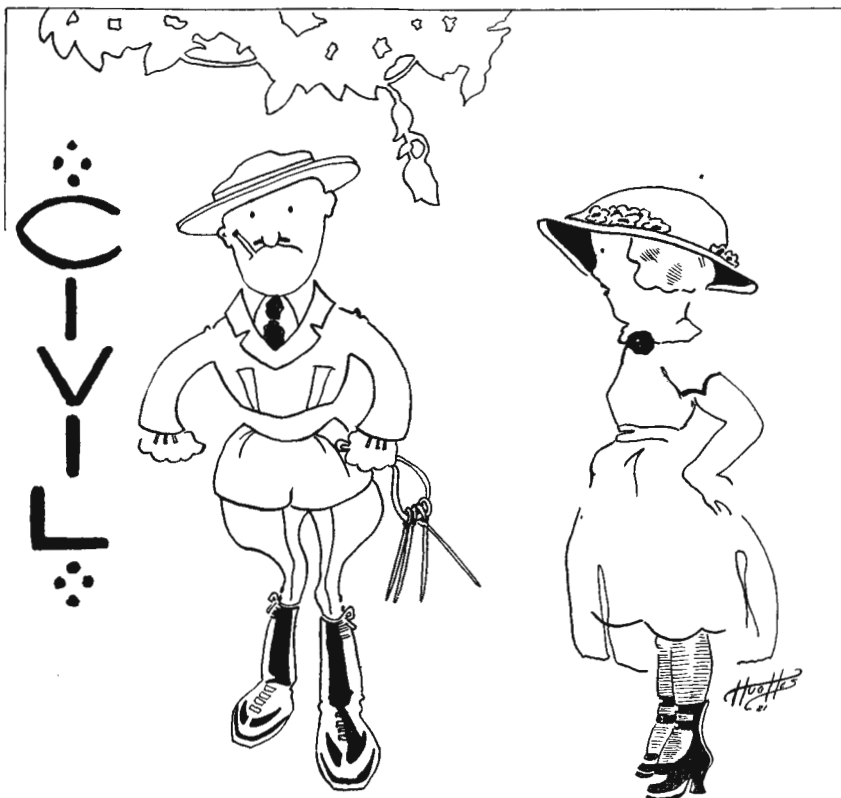
In working out stunts the first thing needed is an idea upon which to build. After the idea has been suggested, it must be developed into a usable form. Many stunts have been discarded simply because of their excessive cost; while others have never been used because they lacked attractiveness. In past years stunts have been built and rebuilt before they could be made to operate successfully. Sometimes others were built and discarded, later to be used quite successfully and effectively.

Another point of interest in the celebration of St. Pat's Day lies in the fact that it gives the students an opportunity to exercise his judgment in selecting the right man for each job. Every man who is in charge of a stunt is expected to select men to assist him. This experience is often interesting as well as very beneficial.

In general the fellow who fails to have a share in the activities of St. Pat's Day is missing something in his college career that he can ill afford to lose.

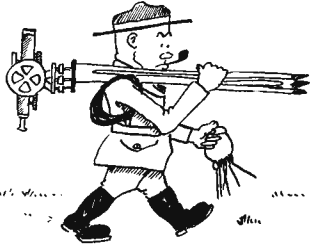
V. B. SAVILLE.

# THE NINETEEN-TWENTY-ONE SHAMROCK



The Civil Engineer sometimes called the "Campus Hound" is the outdoor member of our calling. While here you can usually find him in the locality that has the most promising "worm's eye view" of the usual hosiery promenade that the co-eds stage at all times. After four years of stresses, strains, and Freddy Spaulding's courses that act as an anesthetic they are fully qualified to handle a job as water boy to someone's sewer gang.

## A TRANSIT SURPRISE



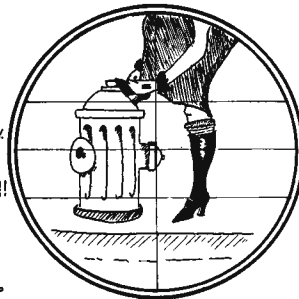
Oh look! oh look! what have we here?  
A would be Civil Engineer  
Who stamps around on the campus grass  
And smiles on all the dames that pass.

He fusses and wonders why the devil  
His blamed old transit won't get level;  
Then he discovers he's lost his text,  
And has to ask Figgy what to do next.



He takes a shot across the Quad—  
Breathes deep and hollers "OH MY GAWD!"  
He struggles—gurgles—and swallows his chew  
For a co-ed is over there tying her shoe.

Perhaps you thought that last pretty raw,  
But don't you agree as you know what he saw.  
We're all from Missouri and have to be shown,  
So this proves that girls here sure **ROLL THEIR OWN!!!**



WORDS AND MUSIC BY *H. H. H.*

SENIORS

KNIGHTS OF ST. PAT. '21.

**BARNES, ARTHUR F.**, (Civil Society, A. A. E.)  
Jameson, Missouri.  
Efficiency Engineer at the Cafeteria. Also determines the harmonics of the soup.

**BEAVENS, JAMES H.**, (Civil Society, A. A. E.)  
Columbia, Missouri.  
He fooled Abe and worked one of his quiz problems.

**CRAIG, L. A.**, (Civil Society, A. A. E., Acacia.)  
Raymore, Missouri.  
Gets good advice from his boss; thinks that nobody knows that he steps out seven nights a week.

**EDDLEMON, W. J.**, (Pres. Civil Society, A. A. E., K. E. J.,  
Vice-Pres. Senior Engineers.) Eldorado Springs, Missouri.  
"Toughy". No he hasn't the toothache. The Editor had a good one on him but Toughy black-mailed him.

**GOLDBERG, DAVID**, (Civil Society, A. A. E.)  
St. Louis, Missouri.  
Can make more noise in a minute than a hardshell crab with the lockjaw.

**GWINN, M. S.**, (Civil Society, A. A. E., K. E. J., and—)  
Jefferson City, Missouri.  
Another blackmailer,—also after Schubert's scalp for registering up with a conflict.





**HALLEY, T. P.**, (Civil Society, A. A. E., Tau Beta Pi, Acacia.)  
 Auxvasse, Missouri.  
 So bashful that he blushes every time he calls central for a number.

**HEFNER, FRANK H.**, (Acacia, Civil Society, A. A. E.)  
 Bethany, Missouri.  
 Has to stand twice in the same place to make a shadow.

**HOGAN, BEN M.**, (Kappa A'pha, Civil Society, St. Pat's Board, A. A. E.)  
 West Plains, Missouri.  
 Will be our new highway Comuissioner. Has a contract for a new Bridge at Boonville.

**LAM, ROBERT**, (Civil Society, A. A. E., Cosmopolitan Club, Quo Vadis, M in Baseball '20.)  
 Honolulu, Hawaii.  
 An athletic engineer from Honolulu; a stress hound.

**LATTIMORE, M. S.**, (Civil Society, A. A. E.)  
 Ferguson, Missouri.  
 "Slats" says he doesn't want to be roasted. Anyway he seared Goldberg out of Civil Lab.

**MOODY, J. W.**, (Civil Society, President A. A. E., Editor Shamrock, Acacia.)  
 Lowell, Arkansas.  
 Will be roasted a plenty after the 17th.

**MOREHOUSE, D.**, (Civil Society.) Neosho, Missouri.  
August always finds him in Illinois—"visiting his aunt."

**O'KELL, O. C.**, (Civil Society, A. A. E., Delta Tau Delta.)  
Excelsior Springs, Missouri.  
Freddy's chief laboratory instructor; "Doc is also beginning  
as instructor at Stephens,—in astronomy.

**ROWLEY, J. W.**, (Civil Society, A. A. E., Tau Beta Pi.)  
Bowling Green, Missouri.  
Rooms on the second floor of Switzler Hall. "What makes  
the ocean moon, boys?"

**SAUNDERS, W. L.**, (Civil Society, A. A. E.)  
Memphis, Missouri.  
Bill assists on the C. S. eats committee.

**SAVILLE, V. B.**, (Civil Society, M in Track '19, '20.)  
Grant City, Missouri.  
He scares the freshmen out of their dues by wierd threats.

**VINEYARD, J. H.**, (Civil Society, A. A. E., K. E. J.)  
Festus, Missouri.  
So thin that he has to get a search warrant to get himself  
out of bed.





## JUNIORS

**BECKET, LEO F.,** (A. A. E., Civil Society.)  
 Salisbury, Missouri.  
 Here is a prize for some one.

**COSBY, HAROLD J.,** (Epsilon Iota Gamma.)  
 Kansas City, Missouri.  
 It was Crosby, not Cosby that invented the steam indicator.

**DUNKLE, E. F.,** (Phi Gamma Delta.) Joplin, Missouri.  
 He said he was a Junlor so we recorded it here.

**HARDY, JAMES W.,** (A. A. E., K. E. J., Scabbard and  
 Blade.) Columbia, Missouri.  
 Knows how many posts there are around the golf links.

**JONES, R. Y.,** (A. A. E., Civil Society, Ad Club, Pres. New-  
 ton Co. Cl'tb, Kappa Sigma, Tomb and Key.)  
 Neosho, Missouri.  
 Says he is going to South America to get away from the  
 girls.

**KAHLER, WILLIAM V.,** (A. A. E., Civil Society.)  
 Brunswick, Missouri.  
 We can't tell what we know about him because he is going  
 to show the book to his mama.

**ALWORTH, G. N.,** (Civil Society.) Columbia, Missouri.  
 Ambition—E's.

**ANDERSON, HENRY B.,** (Civil Society, A. A. E.)  
 Lone Jack, Missouri.  
 Believes that all things come to him who waits. Is still  
 waiting.

**MASON, CLOYD A.,** (Sigma Phi Epsilon)

Elkins, West Virginia.

"Yas, sah! It sho do! Great day! Gimme a chew!"

**MUELLER, JULIUS I.,** (A. A. E., Chemical Society.)

St. Louis, Missouri.

Had a departure in his latitude while taking surveying.

**McCANN, J. MAX,** (A. A. E., Pan-Hellenic Council, Sec. of  
Student body, Kappa Sigma.) Joplin, Missouri.

Looks intelligent, but you can't sometimes always tell.

**McDANIEL, WM. S.,** (A. A. E., Ch. E. A.) Ulrich, Missouri.

"That Weinie better keep off of me."

**PATE, CHAS. C.,** (A. A. E., Civil Society, U. L. B.)

Kansas City, Missouri.

White's secretary in electrical machinery.

**PAULETTE, GEORGE W.,** (Civil Society)

Kansas City, Missouri.

Enrolled in Engineering but spends his time Starr gazing.

**BAST, SAMUEL C.,** (A. A. E., Civil Society, Acacia.)

Sedalia, Missouri.

Carried Calculus until he is bow-legged.

**DAVIS, CHAS. W.,** (Civil Society.) Kansas City, Missouri.

Known as "Kewpie" at home.





**SANDKER, J. D., (Civil Society.)** Columbia, Missouri.  
Possesses lots of potential but no kenetic energy.

**SMITH, F. WILKEN, (A. A. E., K. E. J., Civil Society.)**  
Moberly, Missouri.  
May be known in spite of his name.

**WACKHER, LESLIE W., ("M" man basket ball, Phi Gamma  
Delta.)** Sedalia, Missouri.  
"Pookie" All Missouri Valley Guard.

**WADDELL, GERALD M., (Civil Society Strdent Council '20,  
'21., Phi Gamma Delta, Chi Chi Chi, Pan-Hellenic Council,  
Tomb and Key, Ad Club.)** Kansas City, Missouri.  
Thats all!

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**GILES, ROBERT E., (A. A. E., Civil Society.)**  
Albany, Missouri.  
A hard baby.



# ELECTRICALS

Any Electrical will tell you that he leads a hard life. If you have any doubt about the truth of it, Weinie can convince you if you get in any of his classes in sarcastic comment known as Electrical Machinery. One year of his famous "friendly repartee" is enough for most of us but if you decide to go on there won't be much of you left when A. C. gets through with your poor carcass. After juggling watts, ohms, amperes, B. and H. curves, and line losses through the allotted time the poor fish is ready to get a job as trouble shooter with a second rate telephone company, or if an exceptional student he might qualify as a street railway motorman.

## THE ELECTRICALS



Oh! here's the general flunky,  
Who's supposed to do the work,  
He beats it to the hall to smoke  
When he gets a chance to shirk

Then there's the conscientious guy,  
Who thinks he ought to boss;  
He always writes the theory,  
So it's a total loss



See now the gay recorder,  
With the softest job of all,  
The way he mixes data  
Would make a lawyer fall

And last the persecuted chief  
Whose diagrams were punk  
He shorted thru the meters  
And turned them into junk



Hours are spent on computation  
They hand it in with bliss,  
But AC always marks it up  
And shoots it back like this

SENIORS

KNIGHTS OF ST. PAT. '21

**ALBUS, LEON H.**, (A. I. E. E., A. A. E., Track '19, '20,  
Kappa Sigma, Tomb and Key, Q. E. B. H., Tau Beta Pi,  
H. K. N.) St. Joseph, Missouri.  
The 'Booths of Romance' flunked him in A. C.

**AUSTRY, W. H.**, (A. I. E. E., Tau Beta Pi.)  
St. Louis, Missouri.  
That one small head could carry all he knew. A strong  
competitor for Welne's job.

**BAXTER, RALPH H.**, (A. I. E. E., A. A. E., Tau Beta Pi.)  
Dawn, Missouri.  
One of our married who kept it a secret for a while.

**BLENDON, H. A.**, (A. I. E. E., A. A. E., Tau Beta Pi.)  
Ohio, Missouri.  
Would be a pretty good fellow, but is married and can't be  
too sociable.

**BLENDON, W. L.**, (Treas. A. I. E. E., A. A. E.)  
Ohio, Missouri.  
So sedate and reserved that we suspicion something on him  
too; anyway he brought his girl to the U. this year.





**HARVEY, FRED T.**, (Eta Kappa Nu, K. E. J., A. I. E. E.,  
A. A. E., Band 16, 17, 18, 19, 20, Orchestra 16, 17.)  
Edina, Missouri.

"Say, Hot Wad, you don't know how to operate this slip-  
slicck."

**HASENITTER, DELMAR**, (Treas. A. A. E., A. I. E. E.)  
Hermann, Missouri.  
A dependable guy; we suspect he has a lady in Hermann.

**HEIBERGER, JOHN C.**, (Pres. Senior Engineers, Eta Kappa  
Nu, A. I. E. E., University band.) Boonville, Missouri.  
A real lady fusser. Takes on any of them.

**HEIDBREDER, CARL G.**, (Pi Kappa Alpha, A. I. E. E., A.  
A. E.) Kirkwood, Missouri.  
Wouldn't introduce his girl to the fellows for fear that he  
would loose her.

**JACKSON, W. C.**, (A. I. E. E., A. A. E.) Hannibal, Missouri.  
He bought 40 dollars worth of Aluminum cooking utensils.





LINGSWEILER, J. W., (A. I. E. E., A. A. E.)  
Richland, Missouri.  
The new night-watchman at Christian.

McDAVITT, C. N., (A. I. E. E., A. A. E., Chairman St. Pat's  
Board, Univ. Band, Eta Kappa Nu, K. E. J.,)  
Sweet Springs, Missouri.  
A high frequency type of expostulator.

McSPADDEN, D. M., (A. I. E. E., A. A. E., Eta Kappa Nu,  
St. Pat Board.)  
Salem, Missouri.  
Never lets business interfere with dates. Almost a T. H.

REID, J. B.,  
Wentzville, Missouri.  
One of those—oh, silence is the better part of valor.

ROTTY, O. J., (A. I. E. E., A. A. E., Tau Beta Pi.)  
St. Louis, Missouri.  
The man of brilliant theories. Somewhat of an "air gun".

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RICHARDS, L. M., (A. I. E. E., Pi Kappa Alpha.)  
Mexico, Missouri.  
His stresses fail to check with Abe's.

**SCHUBERT, A. E., (A. I. E. E., University Band.)**  
Russellville, Missouri.  
A man of many words and few ideas. Is attempting to form  
a combine with the commerce school or at least a part  
of it.

**SHUMARD, C. C., (A. I. E. E., A. A. E., Pres. Harrison  
County Club.)** Bethany, Missouri.  
A slick inventor. A Civil Electrical.

**WHEELER, W. C., (Chairman A. I. E. E., A. A. E., Sham-  
rock Staff, Tau Beta Pi.)** Sedalia, Missouri.  
His safety valve is always half-cocked. A great originator  
of new ideas.

**WITT, T. E., (A. I. E. E., Co-op Crew, Dana Press.)**  
Grover, Missouri.  
Too busy to fool with going to school. And also they say  
he's—

**WOODS, J. L., (A. I. E. E., A. A. E., K. E. J.)**  
Golden City, Missouri.  
Claims that he will be a bachelor all his life.

---

**VANSTON, J. M., (E. K. N.)** Texarkana, Texas.  
The roughneck from Texas, as harmless as a lamb.





## JUNIORS

**ASENDORF, FIELDING H.,** (A. A. E., A. I. E. E., Glee Club.) Carthage, Missouri.

Now Vice-President of Junior Class.

"I have been trying to square two on this slide rule for half an hour and I get four and one tenth every time."

**BAKER, L. CARSON,** (A. A. E., A. I. E. E., St. Pat's Board.) Polo, Missouri.

May all your troubles be little ones.

**BLYHOLDER, ORLANDS,** (A. A. E.,)

A living example of inertia.

**CALVERT, JOHN F.,** (A. A. E., Shamrock Staff, A. I. E. E.) Columbia, Missouri.

Chaperon to Finley. Would lose his shoes if they were not tied on.

**FINDLAY, RUSSELL L.,** (A. A. E., Secy., Treas. of Guard of St. Patrick.) Meadville, Missouri.

Captain of the Electrical Lab. No its a mustache, not a hair lip.

**FITE, MISS PAULINE,** (A. A. E., A. I. E. E., Ad Club, Vice-President of the Junior Class.) Marionville, Missouri.

A rose among thorns. Now President.

**GILLASPY, O. M., (A. A. E., A. I. E. E.)**  
Columbia, Missouri.

A local product.

**GRUBE, WILLIAM E., (A. A. E., A. I. E. E.)**  
Columbia, Missouri.

Penny pitching his way thru school.

**HARDAWAY, HAROLD L., (A. A. E., A. I. E. E., St. Pat's  
Board.)** Columbia, Missouri.

A little fellow, but has lots of brains per cubic inch.

**KENDRICK, JOHN E., (A. I. E. E.)** Paris, Missouri.

An ex-marine, "Gimme the makins."

**KNERR, BARCLAY C., (A. I. E. E., Beta Theta Pi.)**  
Kansas City, Missouri.

The Engineer's faithful representative at assembly.

**LEEDS, LEON L., (A. I. E. E., Phi Kappa Psi., Mizzou Raz-  
zers.)** Kansas City, Missouri.

Studies Kappas and Engineering.





**LOFLAND, RALPH F.**, (A. A. E., Sec. and Tres. of Junior Engineers.) Peculiar, Missouri.  
Not quite like his home town.

**MOORE, FRANCES K.**, (A. A. E., U. L. B., Basket Ball Squad.) St. Louis, Missouri.  
If he were any taller he would begin to warp.

**MOORE, WESLEY W.**, (A. A. E., St. Pat's Board, Dance Committee, Acacia.) Versailles, Missouri.  
Bought a third hand suit from Craig, and forth-with became a tea hound.

**McNEELY, EUGENE J.**, (A. I. E. E.) Jackson, Missouri.  
Electrical Machinery's "Sitting Bull".

**PALMER, JOE S.**, (A. A. E., A. I. E. E.) Kansas City, Missouri.  
Got kicked out of assembly for shuffling.

**POOL, ALFRED B.**, (A. A. E., Glee Club.) Columbia, Missouri.  
Big, bad, bold and burly. A dangerous one gun man.

**SALLE, WM. H.**, (A. A. E.) Polo, Missouri.  
Understands one principle in Mechanics, that of least work.

**SWINDELL, ROLLA A.**, (A. A. E.) Blair, Missouri.  
"When I played foot ball under Phog Allen—!"

**ROBERTS, TRIPP M.**,  
Centralia! "Nuff" said.

Centralia, Missouri.

**SAVILLE, CHAUNCEY M.**, (A. I. E. E., Track, Captain  
elect of cross countryteam.) Grant City, Missouri.  
To really appreciate him you should hear him roar.

**TUTT, BLAND R.**, Croker, Missouri.  
Thinks Rip Van Winkle was a lucky man—for 20 years.

**WELCH, NORMAN H.**, (A. A. E.) Joplin, Missouri.  
Like all good machines he works noiselessly.

**WHITE, DONALD W.**, (A. A. E., A. I. E. E., Ad. Club.)  
Versailles, Missouri.  
Papers his room with Police Gazettes.

**WELLER, GEORGE R.**, (A. A. E.) Pattonsburg, Missouri.  
Thinks the theorem of three moments is a misnomer.

**WINANS, EDWIN O.**, (A. A. E., Cross Country Track.)  
Colorado Springs, Colorado.  
Shell Shock.



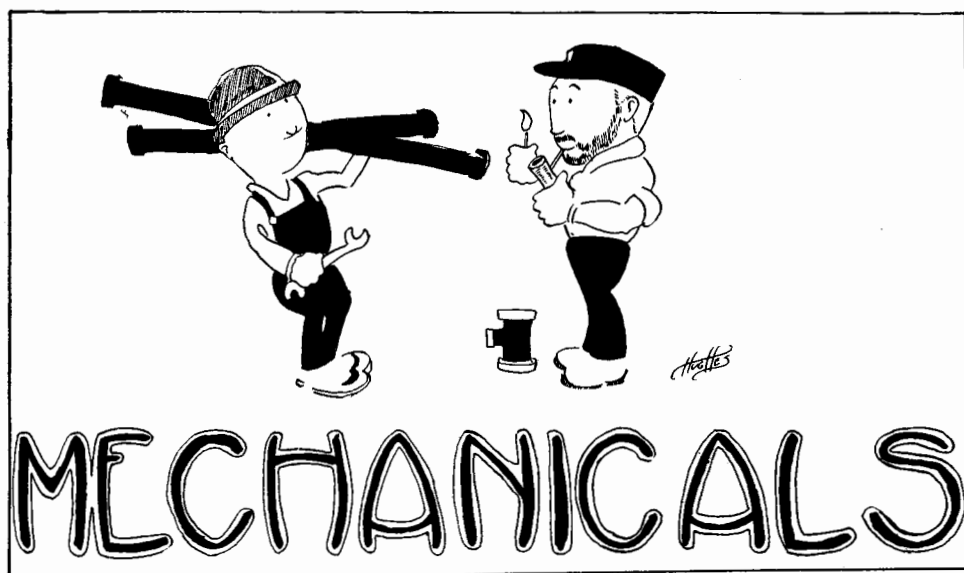
## The Birth of Saint Patrick

*On the eighth day of March it was, some  
people say,  
Saint Patrick, at midnight, he first saw the  
day;  
While others declare 'twas the ninth he  
was born,  
And 'twas all a mistake between midnight  
and morn;  
For mistakes will occur in a hurry and  
shock,  
And some blamed the baby—and some  
blamed the clock—  
Till with all their cross-questions sure no  
one could know  
If the child was too fast, or the clock was  
too slow.*

*Now the first faction fight in owld Ireland,  
they say,  
Was all on account of St. Patrick's birth-  
day.  
Some fought for the eight—for the ninth  
more would die,  
At last, both factions so positive grew,  
That each kept a birthday, so Pat then had  
two,  
Till Father Mulcahy, who showed them  
their sins,  
Said: "No one could have two birthdays,  
but twins."*

*Says he: "Boys, don't be fightin' for eight  
or for nine,  
Don't be always dividin'—but sometimes  
combine;  
Combine eight with nine, and seventeen is  
the mark,  
So let that be his birthday,"—"Amen," says  
the clerk,  
If he wasn't a twins, sure our history will  
show  
That, at least, he's worth any two saints  
that we know."  
Then they all got blind drunk—which com-  
pleted their bliss,  
And we kept up the practice from that day  
to this.*

SAMUEL LOVER.



The Mechanicals are the special property of Hot Wad and his gang. Their idea of Heaven is a place where the rivers run lubricating oil and the days are spent taking indicator diagrams and plotting graphs. While here they have a very entertaining time with the aforesaid Hot Wad in the course that made him celebrated—namely Management. After taking this course you are entitled to the degree of H. W. M. C. meaning Hot Wad's Management Course. If you are a natural born tinker and have a fondness for dirt and oil, then learn to chew the filthy weed and call yourself ready to be one of this unhealthy crew.



**SENIORS**

**KNIGHTS OF ST. PAT. '21.**

**AULEPP, WM. H., (A. S. M. E., Phi Beta Theta.)**

Webster Groves, Missouri.

Hot Wads star shoveler; a strong opponent of the T. H. Committee.

**DAVIS, M. M., (A. S. M. E., Sigma Phi Epsilon.)**

Columbia, Missouri.

Sowed his wild oats and reaped his mustache, still needs a shave.

**HEBBELER, HAROLD W. "VON" (A. S. M. E.)**

New Haven, Missouri.

We heard that he will be married in June. May it be a "howling" success.

**HOGAN, MASON S., (Kappa Alpha, H. K. N.)**

West Plains, Missouri.

He will make a dignified old man.

**INGELS, GILTNER R., (Beta Theta Pi, A. S. M. E.,  
Representative of St. Patrick, Tau Beta Pi.)**

Columbia, Missouri.

We can't roast St. Pat. A political boss of the mild type.

**MUNKERS, R. A., (A. S. M. E., A. A. E., Chairman Dance  
Committee.)** Kansas City, Missouri.  
Got enough of Advanced A. C. in one semester.

**RITTER, J. G., (A. A. E., A. S. M. E.)** Columbia, Missouri.  
We all buy his gasoline.

**ROTHMEYER, O. F., (A. S. M. E., A. A. E., Pres. Engineers  
Club, Tau Beta Pi.)** Sedalia, Missouri.  
Should be an electrical, he climbs poles so well. The "gun"  
with the striped overalls.

**SLAUGHTER, M. M., (A. S. M. E.)** Fairview, Missouri.  
Pres., Vice-Pres., Sec. and Manager of the Censorship Board.

**SYLVESTER, J. W., (A. S. M. E., Vice-Pres. A. A. E., Man-  
ager Shamrock.)** Columbia, Missouri.  
A prime-mover in line for Prexy's job.





## JUNIORS

**BEAUMONT, TONEY J.**, (A. A. E., Delta Tau Delta, Pi Psi Pi, Chi Chi Chi, Alpha Chi Sigma, Pan-Hellenic Council.)  
St. Joseph, Missouri.  
Lives near the golf links. He knows a lot.

**CASSELL, LEONARD**, (Epsilon Iota Gamma.)  
Independence, Missouri.  
Believes that silence is golden.

**DIERKING, RAY F.**, (A. A. E., Pres. of the Junior Engineers.)  
Napton, Missouri.  
A real engineer. Voted four girls at the Junior election.

**EVERLY, TOM E.**, (A. A. E., A. I. E. E.)  
Columbia, Missouri.  
Advertised a choice home brew for the Ad. Carnival.

**GILMORE, H. STANLEY**, (Tau Beta Pi, A. A. E., A. S. M. E., Captain of Mech. Lab.)  
Columbia, Missouri.  
Quiet and demure.

**GODWIN, GROVER**, (A. A. E., St. Pat's Board, Beta Theta Pi.)  
St. Louis, Missouri.  
His whistle sounds better since he had it fixed. "Oh professor Hot Wad."

**BORNSTIEN, I. I.**, (Glee Club.)  
Kansas City, Missouri.  
Full of questions.

**CHANNEY, FRANK W.**  
Unknown.

**HENTSCHEL, E. R.**, (A. I. E. E.)  
Springfield, Missouri.  
Talks slowly so as to think before he speaks.

**HARRIS, BERNEY, (A. A. E., A. S. M. E., Zeta Beta Tau.)**  
 Memphis, Tennessee.  
 Is zero minus eight tenths equal to minus two tenths, or  
 minus eight tenths?

**JAEGER, ROY H., (A. S. M. E., K. E. J.)**  
 St. Louis, Missouri.  
 "Electrical Machinery is hard, Mr. Weinbach, but I know my  
 stuff."

**KEISER, STEPHEN H., (A. A. E., A. S. M. E.)**  
 Clayton, Missouri.  
 Sits on a problem like a hen on a door knob.

**MALLINKRODT, ALBERT J., (A. S. M. E., A. A. E.)**  
 Augusta, Missouri.  
 Knows a lot but keeps most of it to himself.

**MILLER, RAYMOND P., (A. I. E. E., A. A. E., R. P. M.)**  
 Columbia, Missouri.  
 R. P. M. Revolutions per minute.

**HOONK, WILLIAM J., (A. S. M. E., A. A. E., Sec. of A.  
 A. E.)**  
 St. Louis, Missouri.  
 The reason geese say Hoonk! Hoonk!

**HODGES, RALPH L., (Phi Delta Theta.) Olathe, Kansas.**  
 Is proof that something good can come out of Kansas.

**SHEPARD, WILBUR, (A. A. E., A. S. M. E.)**  
 Hannibal, Missouri.  
 Says he belongs to the "Association with hard knocks".

**SHOEMAKER, OAKLAND M., (A. S. M. E.)**  
 Kansas City, Missouri.  
 We don't know him; he must be hidden in a mass of entropy.



FOWLER FAIR

**D**OWN in the WOODS a FITE took place. It was a SLAUGHTER worthy of the KAISER himself. A MUNK and two SHEPHERDS were having HELMKAMP, to speak plain ENGLISH, but were doing no HARM to anyone. They had abandoned their HALL and gone through a LONGMIRE to get there, and though it would BARR anyone from following them. But as they sat there passing the WEINBACH and forth one of them suddenly saw DEFOE approaching. When he saw her he said, "Hasn't the president RITTER to stay away?" The second answered, "No he HASSENITTER," while the third remarked, "I WOOD write the Lawyer but KINNEY REED it?"

She played her CARDWELL and came a CROSBY a secluded route. They decided to chase her UPTEGROVE because she had been sent by our neighbors who had been trying to LYNCH us. We knew a FOWLER bunch never lived and that they were ready to SWINDLE everyone. As she came KNERR the MUNK, who was feeling MOODY, grabbed up some SLATS lying close by while the SHEPHERDS took a REID and a BRANCH of a LOCKWOOD.

As soon as the ambassabor of the CROOKS came close enough one of the men started MAUPIN up the earth with her. The mule began to BRAY and the dog, although she was gentle as a LAM, acted as though she WOOD BARKER head off. When this man got tired he handed his victim to a DUKE who had just come up and said, "You WACKER some MOORE for I'm a DRYMAN. Just TURNER over this stump or DRAPER over a rock and after I've had some GRUBB and a drink (for I'm a BORNSTEIN) I'll WHEELER off. The DUKE who had been wondering why he didn't get MOREHOUSE entered WRIGHT into the plan and while PAULETTE he decided to get a CRANE and throw her in

the POOL. But as soon as they all turned their BAXTER the woman she rang a BELL which brought out every SHOE-MAKER, FISHER, MILLER, and MASON in the country. Just then some MOORE Engineers came up and the DUKE asked one of them "WATSON are you?" and he said, "I'm JACKSON." Then they all turned to our neighbors and said, "WADDELL are you doing here?"

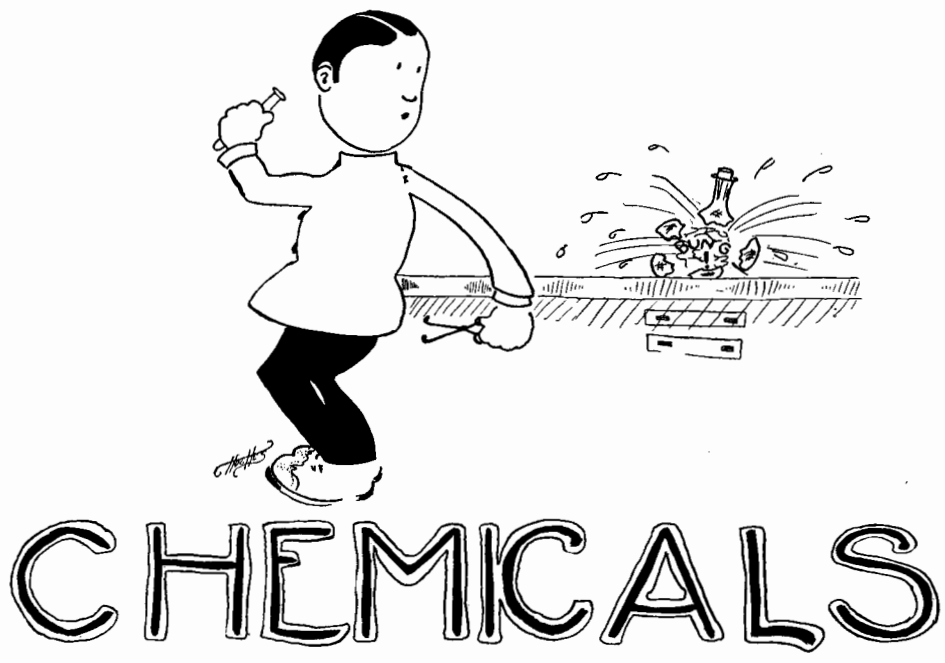
The CASE then became serious and DEFOES of civilization turned WHITE in the face. We knew we were ALWORTH our weight in NEWTONS of coal, that they were not worth a POUND, and that always, GOODWINS. So we pulled out our CANNON. When they saw it they beat their PATES and cried "DIERKINGS of the VINYARD we will go over the CHENEY rocks, board our FERRY, and COOK our own GRUBB in our own POTTS if you will promise not to HARM us. Then a cop came up and told us to not GILMORE of them and made us VAUGH that we WOOD give it AULEPP and furnish COTTON and ERBS for their wounds. We promised on condition that he WOOD make all the Lawyers GRADY roads forever. And we all departed as the day was BLENDEN into dusk.

PAULINE FITE.

MATRIMONY AND MONKEY BUSINESS

The Senior Electricals boast this year of five married members. By the time a man has spent three terms under the tutorship of the Duke, Weine, and Bugs, he could argue the right arm off of a cigar store Indian. And as Weine says, "Dis iss vat ve vand, so diss is vat ve ged."

At any rate the line of each of the five must have been pretty good to induce the fair maidens to leave the protection and comforts of home to become forever the life partners of roving, rambling, engineers; to share his life's troubles, few joys, and small wages.



The Chemical is a peculiar type of the tribe. He may be as genuine as any while in the school, but he very quickly learns to cultivate a Van Dyke and shell glasses after he hits the practical game. He is more of a scientific investigator than engineer and soon gets the insipid ways of an indoor man when he gets a regular job. Before the war the Chemicals were the smallest of all the branches, but since this country took "Safety Thirst" for its motto and we have to use our own efforts to get the necessary material for a night of the old time jambouree there has been a decided pick up in the liquor courses.



**SENIORS**  
**KNIGHTS OF ST. PAT. '21.**

**EAUMGARTEN, CARL E.,** (Chemical Society.)  
 Columbia, Missouri.  
 Knows only three girls, but every chemical formula in the book.

**YEAGER, J. R.,** (Chemical Society, A. A. E., Alpha Chi Sigma.)  
 Higginsville, Missouri.  
 He Dodge's all the Christian girls.

**JUNIORS**

**GOOKINS, EDWARD,** (A. A. E., Alpha Chi Sigma.)  
 In love with a movie queen.

**HARTZOG, L. K.,** (A. A. E., Ch. E. A., Alpha Chi Sigma.)  
 St. Louis, Missouri.  
 Captain of the Chemical lab. Captain of Engineer's football team. He struck a valiant blow for St. Pat's.

**HUGHES, DAN S.,** (Ch. E. A., Shamrock Staff.)  
 Macon, Missouri.  
 Son of the pasture. Alias a Spanish athlete.

**UDSTADT, SIGVALD F.,** (A. A. E., Sigma Chi.)  
 St. Charles, Missouri.  
 Degenerated from a rooming house to a fraternity.

**FINDLAYSON, ALEXANDER,** (Ch. E. S., University Band.)  
 Carrollton, Missouri.  
 Plays the Clarinet at the Hall and the devil every place else.

**OLIVER, HERBERT L.,** (Chemical Society.)  
 Springfield, Missouri.

A test tube buster from the Ozarks.  
**VILKAS, PETER,** (Cosmopolitan Club, "M" mens club, M-football.)  
 Kupishki, Lithuania  
 Old Iron Man.

**WILLIS, THOMPSON F.,** (Alpha Chi Sigma, Sigma Nu.)  
 Kansas City, Missouri.  
 Doesn't like to study between meals.



# AGRICULTURAL

The Ag-Engineer is the newest branch of all. In fact it is so new that I don't know enough about them to give them much of a slam. They seem to carry out the idea of the Combine in the name anyway and the Ags seem to think they must be good Engineers and we think they must be good Farmers so between us they get some sort of notice out of it. If a profession like ours that uses the brain can be combined with that of the farmer which uses the brawn they ought to be a success all right.



**SENIORS**

**KNIGHTS OF ST. PAT. '21.**

**REILLY, M. B.,** (Pres. A. S. A. E.) Columbia, Missouri.  
Takes his education by relays—LAYS out a semester then  
RETURNS.

**VAUGH, MASON,** (A. S. A. E., Volunteer Band,)  
Farmington, Missouri.  
Our only senior Hybrid (Ag. E.)

**JUNIOR**

**NIENHAUS, THOMAS B.,** (A. S. A. E., U. L. B.)  
Perryville, Missouri.  
Has a twenty five minute angle of lag.

THE NINETEEN-TWENTY-ONE SHAMROCK

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## Civil Engineering Society

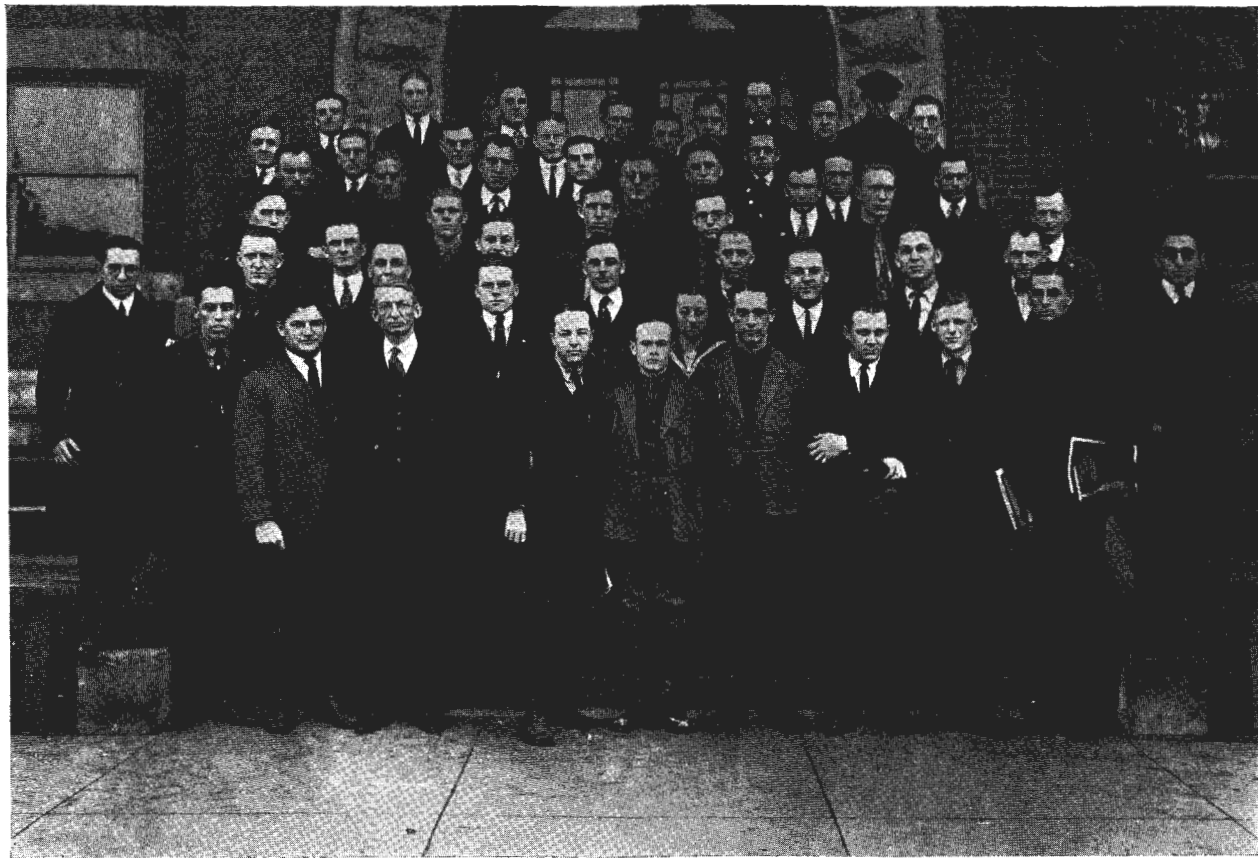
University of Missouri  
Organized October 27, 1913.

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## THE NINETEEN-TWENTY-ONE SHAMROCK

**I**T WAS rough and stormy weather, and prodigious electro-magnetic disturbances rent the usual placid conditions of ethereal space as the ghost of Hotwad winged its blazened way to the world beyond.

After 3.25 days of traveling with the velocity of light, the spirit arrived at its destination. An angel clerk bade him wait in an ante-room.

When he had sat impatiently inefficiently and profusely on a hard wooden bench for an eon of time, a large gold door opened and a voice commanded Hotwad to step in.

He was astounded by the dazzling presence of a hoary old angel with wings on his shoulders and a long beard on his chin, and who carried a ring of keys.

"What is your name, and what do you wish here?" interrogated St. Peter.

Hotwad, indignantly surprised that anyone should be ignorant of his existence, replied, "Sir, I think that it is needless to say that I am Professor H. Wade Hibbard from Earth, and desire admission to the sanctimonious preclusion, wherein I may obtain untold leisure for the remainder of eternity.

"Hm," grunted St. Peter, "what is that under your arm?"

"That, sir, is my copy of Kent which I have many times revised and which has been my constant companion thru life.

"Oh," quoth St. Peter, "so you're an engineer, I have a job for you. Wait and I shall write you a letter of recommendation.

"I shall be delighted to do your bidding," answered Hotwad, endeavoring to make a good impression.

After delving in the archives where existed many files and papers containing records of Hotwad's achievements during his tangible existence, St. Peter wrote on a tablet of gold the following epitaph:

"Dear Satan:

This will introduce to you Hotwad from Earth. Give him a warm reception. . . ."

The letter was pompatically sealed in a platinum envelope and the professor was whirled away in a chariot of radium.

The trip was a long one, but the spirit of Hotwad busied itself with star gazing as it passed the various heavenly bodies.

Frequent notes were made on the inefficiency of the solar system and lost motion in planetisimals and comets, and references looked up in Kent, so that but altho a thousand years had passed, it seemed but a single day.

Satan was at the door of his palace to greet his distinguished visitor. He smilingly offered his hand and told Hotwad that his palace was not as warm as it should be.

"Ah!" triumphed Hotwad's intangible shade, patting Kent affectionately, "the lack of heat is the result of too much waste."

"So you are an Engineer. What experience have you had?" queried the devil.

"I, sir," replied Hotwad, swelling out his chest, "have had many and varied experiences.

"I have designed crank rods thinner than wire which have driven huge locomotives at the rate of one hundred and twelve miles per hour day after day, and never broken. I am responsible for the success of the Lehigh Valley Railroad, for I alone made possible its existence. I was the best lathe hand in the Altoona shops. I sat on the boiler of a locomotive going two hundred and twenty-five miles an hour and pulled strings on indicators. I have revised many texts, and I. . . ."

"Very well," interrupted Satan. "I am glad to obtain the services of such an able man as you. One of my firemen has been overcome with heat. Get yourself a shovel, and work so that you will accomplish most by becoming the least fatigued. I want you to shovel scientifically for twenty-four hours per day, and be sure not to let your back get closer than three feet, six inches from the ground."

As the result of Hotwad's scientific shoveling, Hell has frozen over, and the devil with it. This, gentle reader, is the story of the contribution of Hotwad to mankind.



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## ALUMNI NOTES

### ALUMNI NOTES

D. D. Moss, Jr., was the first one to send in his subscription for the 1921 Shamrock, and therefore rightfully deserves to be placed at the head of the list. D. D.'s address is 47 West Madison St., Youngstown, Ohio. He is with the Trucson Steel Company, designing reinforced concrete structures. You older alumni will remember D. D. by his track records which he hung up back in '11, '12, and '14. He received a degree in the Ag. school in '14 and also set a two mile track record that the whole Missouri Valley has been attempting to pull down ever since. D. D. saw the error of his way and returned to the University a few years later and pursued a course in civil engineering, and received the first degree given by this school in Agricultural Engineering in '20.

W. W. Burden, 1236 Goodfellow Ave., St. Louis, Mo., comes up for air and requests a copy of the Shamrock.

B. J. George, E. E. '20, is with Kansas City Light and Power Company. He writes a breezy letter and also sends in some good dope on the alumni:

H. B. Lewis, '09, is Superintendent of the Kansas City Power and Light Co.

W. H. Kanzler, '14, is with same company in charge of construction of substations.

C. C. Cornelius, '16, is with same company; also married.

B. A. Fleshman, '20, is in the Station Engineering department of the same company.

C. W. Laughlin, '19, and E. E. Montgomery, '18, are located in Kansas City but we know not their address.

B. J. George, 3717 A. Wyandotte Ave., Kansas City, Mo.

J. H. Koester, 33 E. Lockwood Ave, Webster Grove, Mo.

I. V. Le Bow, 6600 Delmar Blvd., St. Louis, Mo.

Rollo C. Morris, 5201 Cabanne Ave., St. Louis, Mo.

E. M. Kerr, 5637 N. Market St., St. Louis, Mo.

Rex M. Whitton, % State Highway Dept., Jefferson City, Mo.

Dean Wilson, % State Highway Dept., Jefferson City, Mo.

Lieut. O. L. McDaniel, Class of '19, is with the 82nd Field Artillery at Fort Bliss, Texas; sends for two copies of the Shamrock and gives his regards to the Prof's.

F. E. Larence, Knight of '14, is county Engineer at Sapulpa, Okla.

Roy C. Gray, Class of '10, is vice-president of the Concrete-Steel Construction Company, 210-212-214 Independence Building at Joplin, Mo.

M. C. Owings, Class of '14, is with the valuation department of the Frisco R. R. Co., Frisco Building, St. Louis, Mo.

John W. Baldwin, Class of '18, sends a dollar for a copy of the Shamrock. His address is 7812 Jones Rd., S. E., Cleveland, Ohio.

F. L. Holser, Lynch-Connon Engineering Co., Dooly Block, Salt Lake City, Utah.

O. J. Eidmann, Class of '17, Asst. Engineer of the Kansas Highway Commission, Topeka, Kansas. Sends for a copy of the Shamrock and gives some dope for the Alumni.

L. P. Scott, Class of '10, is still with the Kansas Highway Commission as Division Engineer at Fort Scott, Kansas.

A. M. Finley, Knight of St. Pat's Class of '16, is with the Union Electric Light and Power Co., 12th and Locust St., St. Louis, Mo.

J. D. Bowles, E. E. '10, Chief Engineer of the Federal Light and Traction Co., No. 60 Broadway, New York, N. Y. Mr. Bowles is now at Trinidad, Colo. He writes that he will be back east about the middle of March and says that he will be with us on the 17th of March.

L. Brandenburger, Sales Engineer, 59 West Broadway, Salt Lake City, Utah. Mr. Brandenburger is one of the live old members of the guard. He sent for the Shamrock and that he might be able to participate in the light to be shed on the 17th.\*

George B. Cox, Knight of St. Pat's of '18, is now associate professor of Industrial Arts at the Sam Huston Normal Institute, Huntsville, Texas. He will leave there in June to accept a position in the Industrial Arts department of the University of Wisconsin.

## THE NINETEEN-TWENTY-ONE SHAMROCK

Frank H. Boyd, Class of '90, County Engineer of Roger County, at Clarimore, Okla.

Chas. T. Toomey, Class of '14, Geologist Carter Oil Co., 12 Floor Ex. Nat. Bk., Tulsa, Okla.

Earl Goldman, Class of '13, Engineer Glydas Belle Oil Co., Okmulgee, Okla.

O. A. Herzog, Class of '12, District Engineer of the Kansas and Oklahoma White Oil Corporation, Box 1466, Tulsa, Okla.

Kemper E. Carter, Carter Oil Corporation, Kansas City, Mo.

G. F. Reppy, Superintendent of Building, Clint Wood Bldg, Wichita Falls, Texas.

Merle Duffield, Class of '20, Cosden and Co. Chemist at Tulsa, Okla.

Earl Duffield, Class of '19, Kelly Aldrich Patent Corp., Tulsa, Okla.

L. W. Helmreich, 608 Spruce St., Little Rock, Ark., is Chief Engineer of Arkansas Corporation Commission, Little Rock, Ark. He sends in his subscription for the Shamrock and also a lot of good dope on M. U. Engineers in Arkansas as follows:

Guy McFarlane, General Electric Co., Southern Trust Bldg., Little Rock, Ark.

E. O. Brack, Exide Storage Battery Co., 311 Center St., Little Rock, Ark.

Mr. Johnson, Plant Supt., Two-Cities Telephone Co., Texarkana, Ark.

J. A. Whitlow, Pine Bluff Co., Pine Bluff, Ark.

C. S. Lynch, Arkansas Light and Power Co., Pine Bluff, Ark.

Mr. Crooks, Arkansas Light and Power Co., Pine Bluff, Ark.

Mr. Ellis, Winters Engineering Co., Ft. Smith, Ark.

Al Portzelius, Birmingham Water Co., Birmingham, Ala.

W. G. Schmauder, Texas Light and Power Co., Dallas, Texas.

Mr. A. P. Moss, Manager Light Plant, Blytheville, Ark.

R. L. Hope, Marianna, Ark.

I. H. Schultz is resident engineer on a water and sewer improvement in Enid, Okla. He is with Black and Veatch, Mutual Bldg., Kansas City, Mo.

J. R. Johnson is with Pacific Loan and Realty Co., 116 South Pacific Blvd., Huntington Park, Cal.

Earl McMillan is at Seattle, Wash. with U. S. Bureau of Mines.

Condry Wilson is in Kansas City with Berger Mfg. Co.

Clint Cornelius is also in Kansas City; so is V. G. Cox.

Paul W. Miller, P. O. Box No. 655, Ponca City, Okla., is Chief Draftsman in the Engineering Dept. of the Marland Refining Co. He sends in a subscription for the Shamrock, also his regards to Forrest Hughes.

J. F. Rooker is with the Western Electric Co., Hawthorne Station, Chicago, Ill.

Blair A. Ross, U. S. Engineering Office, Box 1027, Memphis, Tenn. Ross is now on Government Levee work; was with the Missouri Store Co. until these warm spring days came then the wanderlust got him.

W. Dudley, 723 24th St., Ashland, Ky. He is with Ashland Iron and Mining Co.

O. M. Fairley is a loyal supporter of St. Pat's stunts. He sends his regards and also his subscription to the Shamrock. With Pride and Fairley, Consulting Engineers, Osceola, Ark.

C. J. Haines, '17, is General Supt. of the Electro Company of Peoria, Illinois.

Frank Leach, '20, writes for a copy of the annual and wants to know when the St. Pat's Ball is to be given. Frank is a merchant in Cuba, Mo.

W. G. Fowler, C. E. '20, 405 Charles Street, Mt. Oliver Sta., Pittsburg, Pa. He is with Heyl and Patterson, Contracting Engineers, doing designing work.

H. C. Medley, '18, writes for a rush order of Shamrocks for the Annual Banquet of the Pittsburg Alumni Association. Medley is with the same Company that Fowler is with.

G. L. Knight, '17, Rolla, Mo., wants to hear of the Mule outbreak so is sending for a copy of the "Blarney-Stone."

W. L. Johnson, Road Director of Twin Falls Highway District, Rooms 6 and 7, Power Bldg., Twin Falls, Idaho.

Floyd Holser, 210 Dooley Block, Salt Lake City, Utah, is President of the Lynch-Cannon Engineering Co.

G. M. Duren is with the American Telephone and Telegraph Co., Boatman's Bank Bldg., St. Louis, Mo.

# THE NINETEEN-TWENTY-ONE SHAMROCK

L. P. Van Houten, '19, is with the A. T. and T. Co., St. Louis, Mo. The second alumni to subscribe for the 1921 Shamrock. His address is 4519 Washington Blvd., St. Louis, Mo.

M. P. Hatcher, '20, is with Burns and McDonnell of Kansas City. He may be reached by addressing % Burns and McDonnell, Interstate Bldg., Kansas City., Mo. Hatch is last year's editor of this pamphlet and I doubt if he will accept a copy, for he is very discriminating in his reading matter .

R. R. Cox, '17, is Resident Engineer of District No. 7 at Foreman, Ark. He is with the Parks Engineering Co., at Pine Bluff, Arkansas, and writes that he is busy raising a young engineer to send to Missouri about 1941.

J. C. Spotts, '18, is also with Parks Engineering Co., at Pine Bluff, Ark.

S. H. Anderson writes for some news; he is with the Western Electric Co. You may write him at 2265 Morris Ave., New York, N. Y.

J. W. Haney is Associate Professor in the Mechanical Engineering Dept., University of Nebraska, Lincoln, Nebr. He sends his regards to the boys and also wishes us a most successful Celebration.

Maynard D. Mize, '20, sends in a word and a subscription from Bartlesville. Okla.

G. S. Gring, 195 Broadway, Room 511, New York City, with the A. T. & P. Co.

F. P. Hutchinson, M. E. of '16, with the Western Electric Co., Hawthorne Station, Chicago.

F. J. Stablein, 1206 Cosden Bldg., Tulsa, Okla. With the Cosden Pipe Line Co. He writes a windy letter and gives some Alumni dope and also incloses a check for 5 Shamrocks.

Donald Witten, Class of '12. Wood and Witten Consulting Engineers, Tulsa, Okla.

Eugene N. Woods, Class of '12. Is with the above Engineering Co.

—————  
Nobody at home but Westinghouse and he made a brake for the air.

## "IF OUR MATH. PROFS. WROTE SHORT STORIES"



TWO men, P. and Q, are seated at a four place table in a cafe, Q drinking twice as much as P. It follows that Q's path will deviate more from the straight line than P's. Why?

At a given moment at one extremity of the room, Cosine, the dancer appears. She rotates on her axis and revolves about the room, disrobing as she goes. As she removes each parenthesis, she exchanges signs with the men located at different points in her locus. From this we may assume that if the evening be sufficiently prolonged, the men and the girl will meet at some exterior point. With each successive revolution she approaches nearer and nearer to the table where P and Q are placed. P is in his normal form, but Q has an unknown expression on his face. Suddenly Cosine plotting all the time, reaches the maximum point in her dance, remains stationary a moment, vibrating and showing all her curves, and then disappears. Q arises and traverses the same path, but with a more unequal slope and comes to her dressing room.

Another man whom we will call Y is standing motionless at the point of intersection of Cosine's glance and Q's. He has a revolver in his hand whose angle is such that if the trigger were pressed the projectile would intercept Q.

"L," mutters Q again. "A relative er-function?"

"He is my husband," cries Cosine. Go.

"L," mutters Q again. "A relative error." But instead of going, he moves forward one unit toward Cosine——.

It is left as an exercise for the student to finish.

(Pelican).

—————  
The serenaders have all relaxed,  
The daters have all come back;  
But here I still grope, with stresses and volts,  
And it's near time to go get a stack.

## EDITORIALS

### EDITORIALS

THIS issue of the Shamrock commemorates the first year of real departmental spirit and the first appearance in the Shamrock of the Department of Agricultural Engineers. At the last celebration the Ag. Engineers let the other departments know that they were a live gang by coming out with some of the keenest floats in the parade. This year they are given a place in the Shamrock on a par with the others. We are for you, Ags; keep the new gang alive with the old spirit and you'll win.

THE "right to paddle" was given another try-out this year when the "Mules" purposely tread on the Holy of Holies—the grass of the dear old Quad. Paddles flashed in the bright autumn sunlight and the heartless offender received his just reward. The case was carried to a Justice's Court by the trespassing parties and after a long drawn out trial, in which the "Mules" were shown in their true nature, the case was dropped. The Keepers of the West Campus remain on guard, the paddles reign, and the students goeth to their late classes by the long route. For the grass shall return to the earth as it was without the aid of the "Mules" sharp hoofs.

THE Engineer is truly a wanderer. We have proven this again by using the addresses in the 1920 Shamrock as a Mailing list to send out letters to the alumni. About half of the letters were returned uncalled for. We are attempting to keep an Alumni Directory from year to year; this will be of great interest to the old Grads, if we can make it complete enough. We need your cooperation, Alumni of the School of Engineering.

THE second annual convention of the Guard of St. Pat was held at Ames, Iowa, this year. An account of the convention is given on another page; suffice it to say here that those few lazy lads who had a spell of "Spring Fever" on that warm St. Pat's Day in 1903 sure started something when they cut classes that day.

SEVENTY

### DEAN OF ENGINEERING AT M. U. WRITES

IN response to a request for his views on the value of the Guard of St. Patrick, E. J. McCaustland, Dean of Engineering and Director of the Engineering Experiment Station at the University of Missouri includes the following in a letter to one of the staff.

"IN brief, the benefits to be derived from the society of the Guard of St. Patrick is summed up in one word: it furnishes an incentive for close co-operation among the engineering students. It is the one organization which interests all alike and enables each man to do what he may in promoting the general good. A certain sentiment always attaches to these voluntary organizations that is seldom present in more formal and official groups. With reference to the value of this organization out of school, I have not any very definite idea. I have found members of the engineering profession in St. Louis and Kansas City who have been honored by being made "Knights" in this organization much more proud of the honor than I would normally expect and have found that it has clearly resulted in a warmer bond of sympathy between such men and the school."

THE above is a clipping from the IOWA ENGINEER.

A. A. E.

THE University of Missouri Chapter of the American Association of Engineers now has a membership of nearly two hundred students. We won second prize in the student membership campaign last fall for the greatest number of new members enrolled. To R. Y. Jones goes the honor of winning the second highest individual prize in the contest, turning in around eighty new members. Dean E. J. McCaustland is a prominent factor in the creation of a law providing for the establishment of a State Board of Examiners, for the examination and licensing of professional engineers in the state of Missouri. Dean McCaustland is also president of the Missouri State Assembly of the American Association of Engineers.



JOKES

WIT

GREAT MYSTERY SOLVED

A small girl went into the engine room and the Gener at 'er.

*My Dear Professor Hot-Wads:*—I have been very much disturbed over a question in designing an internal combustion engine. I have found that for every half revolution the crank pin reaches an extreme position, stops for just a fraction of a second, and then reverses its direction of motion.

If the wheel is turning very rapidly it reaches these positions of rest very frequently. Now the point that bothers me is: How fast must the flywheel turn over in order that the pin shall stand still?

Sympathetically yours,  
A. T. HOUN.

If they make skirts any shorter they will not be skirts any longer.—By their rolls ye shall know them.

*Weinie*—"What is the function of the pole shoe?"

*Jaeger*—"To keep its feet warm, for it is cold at the poles."

If a young lady buys a pair of slippers on a rainy day will they be water pumps?

SUCCESSFUL ENGINEERS

Successful Engineers are being developed by mail. Strange what wonderful things may be wrought by these correspondence courses. And engineering beats following the plow all hollow. A young genius of the correspondence type is now busy making a name for himself by connecting Germany and Ireland by a suspension bridge, thus enabling the snakes to quietly walk out of Ireland into the Vaterland should there ever be another snake revolution in the native land of St. Pat.

*Piggy*: "Mr. Jones, what is the chief characteristic of a great circle?"

*Dick*: "It's round."  
SEVENTY-TWO

Goldberg: "I gotta good job lined up with the railroad company now."

Tuffy: "What is it, Chief Engineer?"

Goldberg: "Naw, it beats that. You know the man who goes along-side the train and taps the wheels to see if everything is all right? Well, I help him listen."

AT ST. PAT'S BALL

She: "You should change your style of dancing a little."

Freshie: "In what way?"

She: "You might occasionally step on my left foot."

McD: "Say, Freshman, do you want to see two cute little devils."

Fresh: "Oh, yes, sir."

McD: "Go to hell."

CAN YOU BEAT IT?

The shortest known sentence containing all of the letters of the alphabet and making good sense:

PACK WITH MY BOX FIVE DOZEN LIQUOR JUGS.

Who knows but what they may be full too.

Doctor—(Absently)—"Do you leave any family?"

His sister called him Willie,  
His mother called him Will;  
But when he went to college,  
To Dad 'twas Bill, Bill, Bill.

How about the Academ club for a standing joke?

Or their posters for a fair representation of their Club?

We often wonder if Heb was deeply impressed with some of Hot Wad's prime movers that afternoon when he rushed home from the Palms.

Some one asked Katz if he ever took chloroform. He replied, "Naw, but I'm taking Materials of Construction."



MEMORIAL

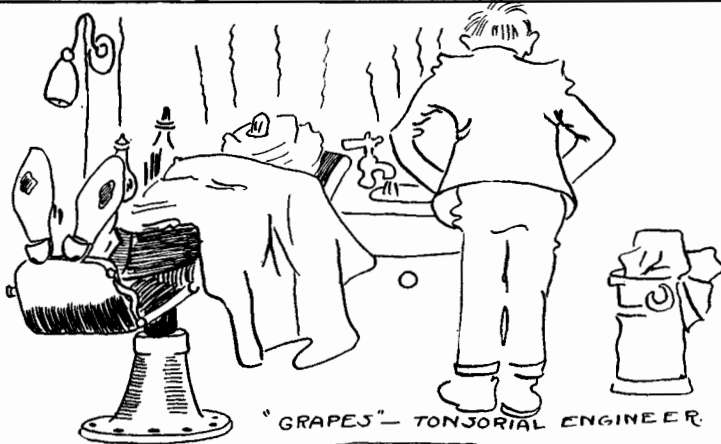
SHADOWLAND '22 21

MISSOURI

DORR  
1922

CAPTAIN  
1922

GENERAL WORK



"GRAPEJ" - TONJORIAL ENGINEER



RUSSELL'S LIP DECORATION



JUNIOR GARDONE



GILES AND TUFFY HAVE A TASTE FOR HORSESHOE



D'JA EVER NOTICE TANEY BEAUMONT'S HAIR?

GWAN! WHADDE YA THINK THIS IS - A DRUG STORE?

GIMME SCOTT'S EMULSION VOLUME TWO



AT THE LIBRARY



CITIZENSHIP

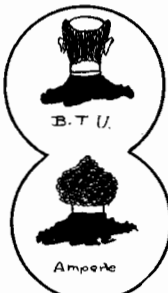


HALP! HALP!! POLICE!!! (for mercy!!!)

HE TOOK IT LIKE HE WAS



K.E.J.



B.T.U.

Ampere



WHY THE JUNIORS ACT LIKE GENTLEMEN (SOMETIMES)

D. S. Hughes 1942

## THE NINETEEN-TWENTY-ONE SHAMROCK

WOULD YOU HAVE THOUGHT IT?



On a fine spring day in May, 1950, I gazed dreamily from the dull routine before me, out into the pure blue ozone which permeated the atmosphere of my office. The birds singing cheerily on the telephone cables without my windows and the recollection of adventures which had filled my younger life, all combined to strengthen the call of the wild which had obsessed me for the last twenty-five years. I pushed my work aside and decided to travel, and perchance meet some of my old classmates.

While seated comfortably in my seat on the Overland Limited, and dreaming of the happy days which I had spent in the old Senior Design room, a small slender old man sat down beside me. He looked familiar; at first I did not recall his face, but all at once the memory of him returned to me.

"Well, old man McSpadden," I almost shouted, "this is indeed a happy surprise." He was equally surprised to see me.

"What are you doing now?" I inquired.

"I am a technical man. I am third assistant engineer in a coffin factory," answered Mc.

I congratulated him on his social position. "How about some of the boys?" I queried further. "Do you ever hear of them?"

"You bet," he beamed, his eyes lighting up; "remember Charlie Schumardt? He went nuts trying to figure out how to make his popcorn machine run without a motor. He was a pretty good inventor, though, while he had his wits about him. He developed several useful articles such as automatic pipe grinders with ball bearings, an idea he got from Hotwad's machine design course."

"And say," he continued, as our train was flying along, "I saw Blendon the other day. The single one, you remember him. He fell off a telephone pole trying to look into the train window as my train was passing. He sure burned the pole."

"How about the married Blendon," I asked.

"He's also a telephone man. He installs residence phones, you know, in the homes of talkative ladies. And Jim Bill Reid, re-

member Jim Bill? Well he made quite a success selling electric refrigerators to the Eskimos in Alaska. He soon flooded the market and lost his job. Now he's selling nuts and bolts for field pieces on transformers."

We talked quite awhile about old times, and when I arrived at my destination, I shook old Mac's hand, and we parted with tears in our eyes.

I got off at Weasel Hole Mound and went over to inspect to 10 K. W. power plant, and was delightfully surprised to meet old Bill Jackson, the engineer in charge who was also proprietor, switchboard man, and trouble shooter. He boasted that his customers never went without lights, because he supplied them with candles for emergencies.

"You can't guess who is working for me?" he puzzled; but I didn't have to, for at that moment on old fellow carrying a tachometer ambled up to the voltmeter.

"Well, Jim Woods," I shouted, "How's your frequency?"

He turned and offered me a greasy hand which I heartily accepted. He assured me that he was happy and still a bachelor.

"But say," he continued, "Remember Bill Wheeler? He went to work for a company and wanted to boss it after he had been there a week. They didn't fire him, but they gave him a job as motorman on a one car branch line where he's his own boss. He runs a safety car and does it quite well. And old John Evans is a prominent farmer in this county. He owns the only electrically operated farm in this neck of the woods. We furnish him with the power."

"I don't see how you do it," he replied; "But how about Chas. Grady?" I asked further.

"Oh, Grady," chimed in Woods and Jackson together. "He's a manhole inspector and boss of a cable gang. You can see him any day in the city with a pick and an ammeter crawling down manholes to test for leakage conductance and short circuit conditions. He's thinking of going into the grocery business."

My pleasure was interrupted by a telegram calling me to New York on business. My firm had been selling handles to a wheel barrow company which had failed and couldn't pay it's bills.



## THE NINETEEN-TWENTY-ONE SHAMROCK

When I opened the door of the manager's office, there sat old Fred T. Harvey with a cigar in his mouth and his feet on the desk, reading a didactic exposition of scientific shoveling.

"You see," he explained, "my company failed because our methods were so efficient that other companies, not being able to compete, spoiled the wheel barrow trade." I loaned him twenty five dollars to pay off the company's debts, and today he is on his feet, figuratively speaking; but literally, he still sits at his desk. He offered me a cigar and we chatted quite awhile. I learned Carl Heidebreder was inventory man for a street railway. If I remember rightly, his job was to keep tab on the number of lines of force in rotary converters in automatic sub-stations. Old "Duke" Lingsweiler had failed miserably as an engineer. Having been fired for not being able to determine conditions of symmetry for equipotential connections he opened up a fifth class dance hall where he was doing quite well.

When my business was over, I was free to continue my journey and was purchasing my ticket at the Pennsylvania terminal, when the announcer called in a loud, sonorous voice, "Awl-a-board for whchtatmex-plmans—and twzchezwk! Trains stops at all points!!!!!"

The powerful voice was propagated to every niche and corner of the vast station. I recognized it immediately as that of old McDavitt.

"Well Mac," I greeted him as I rushed up with outstretched hand, "I see your alternating factor is as high as ever." He looked handsome in his blue uniform with every brass button polished like a mirror.

"Where did you get all those buttons?" I queried.

"Well, you see," he replied, "I used to be in the hardware business, and—"

"It's clear," I interrupted, and he smiled blushing.

"Do you ever see any of the other boys?" I asked.

"You bet!" he retorted, "I see them quite often in the station here. I saw old "Shorty Draper" pass through here the other day. You remember him; he was always a military man. His brilliant career has culminated in his appointment as corporal in the Salvation Army. Then there is old "Dutch" Hasenritter. He's

quite a promoter, you know. He always kicked about the small salaries of purely technical men. He starts all sorts of vast engineering projects. Nothing ever comes of them but they say he makes a lot of money in a scheme of his to use smaller brushes on squirrel cage motors. He's retired to Herman; that's where he and his wife used to live.

"You remember Schubert, don't you? He's trouble man in a hardware concern. He wears asbestos overalls to withstand high stresses and temperature. He's a good trouble man, though. When he can't find trouble he makes it. He lives in a little bungalow and has a wife and a Ford. He married that cute little curly-haired girl."

"How about Epstein?" I inquired.

"Oh, Ep's career was ruined in the Peruvian revolution in South America. He got a job down there draining oil from transformers, and after the revolution, the country couldn't get oil, so he was out of a job. He now edits a magazine of technical jokes. He tried to sell me a copy when he passed through here a week ago, and when I wouldn't buy it he gave it to me."

I left old Mac with regret. The fellow looked so handsome in his bellhop's uniform.

Seated once more in a comfortable parlor car watching the passengers stroll in, I noticed a dignified looking old fellow who looked familiar. When he sat down beside me, pushed his hat down over his eyes, and lit a pipe which he let hang limply between his teeth, it became clear to me that it was Count Hogan. I slapped the old fellow on the back, knocking his pipe out into the aisle and his hat over his eyes in my joyous surprise. He told me, as he blew rings from his corn cob pipe, that he was a state senator. He never made an engineer, he said, because he was too dignified.

"How's your old friend, Bill Groves?" I asked.

"He's an electrical contractor. He does all of his contracting in winter," he said.

"What does he do in summer?" I asked.

"Well, judging from his appearance, he expands in summer for he grows very stout.

I laughed at that just to flatter the Count. It was the same old Count telling sad jokes.

## THE NINETEEN-TWENTY-ONE SHAMROCK

"Say," shouted the Count suddenly, showing more energy than I thought was in him, "remember Johnny Heiberger, that tall, handsome blonde fellow?"

"You bet I do," I answered him.

"Old John is an electrician in a movie studio. You can surmise why."

I got his second joke and laughed again. The Count rode as far as Chicago and I made the remainder of my journey alone in happy contemplation.

One day in a western city, I was calling long distance when a strange party cut in on me. It vexed me at first but later I recognized the voice.

"Well, Baxter, I wish you would leave me a moment to speak," I shouted, trying to seem angry. He recognized my voice and started in to tell me that he was a telephone man repairing switchboards.

"You know," he explained, "I was always used to a lot of girls at school. I was the only man at my boarding house, and when I went out into life I just had to get me a job with a lot of girls. I never repair a switchboard unless the girls are at work in the room."

A little while later I was in one of the office buildings looking for a friend's office. Wandering down the corridor, I came across this sign written on a door, "Vaus-ton & Albus, Consulting Engineers." The names were familiar so I pushed open the door and walked inside. There I beheld two elderly gentlemen and just as I had anticipated they were Cotton and Van. They had not had a client for three years they told me, and at present were working on a transmission problem to keep in training.

"Have you heard about the electrical department at the old school?" Cotton asked.

I admitted that I had not to which he replied: "Well, the Duke finally got married and quit teaching school. He's designing motors now. They say that he can predetermine his flux to within a quarter of a Maxwell. Weine has gone too. He is distributing municipal current according to some of his false theories. I've heard that some of his assumptions were actually correct."

"Who is in their places?" I asked.

"My son, who is a senior there now," replied Cotton, "writes me that Austy is teaching D. C. and from what the kid tells me he is worse on equations than the Duke ever was. And John, remember John the electrical laboratory expert? he's now Professor of alternating currents in Weine's place."

I often sit in my office now and live over my happy trip and reflect with pride and pleasure upon the good old times that I had down at old Mizzou. When I recall the high positions in which so many of my classmates are now reclining and the trials that they have blazed for themselves, I am filled with delight. They were pretty good fellows in the old days, God bless their blighted souls, but I never dreamed that the class as a whole would rise as high in the world as it has.

### A BIT OF PHILOSOPHY

"Throw away everything that you don't need; travel light if you want to go far."

### MIDNIGHT OIL

The midnight oil of days gone by  
Was used by men in college  
In poring over volumes dry  
Assimilating knowledge

But midnight oil has changed its mode  
Of making students oalid;  
'Tis used in burning up a road  
Or mixing up a salad.

Gwinn: "I went to bed last night and dreamed that I died."

Tuffy: "And the heat woke you up."

### NECESSARY EVILS

The end of a perfect date.  
The alarm clock.  
The Tea-Hound.  
The haircut.  
The landlady.  
The Profs.  
The Exams.  
The cloudy moonlit night.  
The stags on the golf-links.  
The Benefit Fund drives.  
The 11 P. M. bell.  
The politicians.

THE NINETEEN-TWENTY-ONE SHAMROCK



# THE NINETEEN-TWENTY-ONE SHAMROCK

## BRIGHT QUESTIONS AND FOOLISH ANSWERS

Daddy: "Well, gentlemen, if you have any questions, let's have them promptly."

Udstadt: "How far would you have to get away from the earth before it would look round—I mean how far away would you have to get away from it before you could see it all."

Weine: "Lasd dime ve haf disgussed—let's see, vat did ve disguss?"

Abe: "Do the questions puzzle you?"  
B. M.: "No, but the answers do."

Is a revolving bookcase a circulating library?

## SWEET THINGS

Dear Saint, the sweet sad lies that women tell,  
Who face their dates and whisper, "Life is 'ell."  
They break their dates for better bids, they think;  
And yet they wonder why the boys should drink.

Weine says: "Horse-power equals  $2\text{Pi}(\text{Fr})\text{N}$  divided by  $550(60)$ . If this be true (?), then: Horse equals  $2\text{Pi}(\text{Fr})\text{N}$  divided by  $550(60)$  times power: equals  $2\text{Pi}(\text{Fr})\text{N} \times \text{Elcos}$ "

$$\frac{\quad}{550 \times 60}$$

## AFTER THE GREEN JUG

Epstein: "That was a pretty blonde on the left end of the chorus."

Harvey: "Was she a blonde?"

## THEN THEY WENT TO HARRIS'

John: "You look good enough to eat."

Sweet One: "I do eat."

Mule: "Do you know that fellow over there?"

Engineer: "Yes, he sleeps next to me in Preventive Medicine."

## FOND REMEMBRANCES

Two lonesome skunks by the roadside stood,

As the automobile rushed by.  
It left an odor for from good  
Which started the tears in one's eye.

"Oh, why do you weep?" asked his anxious mate,

"Why do you sob and quake?"

"Because that smell," said the other mate,  
"Is like mother used to make."

"Another Boston hold-up," the stude remarked as he adjusted his garter.

## PROVERBS

To play poker is human; to win divine.  
The co-ed is known by the dates she keeps.  
Man proposes—the pin discloses.

Exams are like the poor—we have them always with us.

Co-eds believe in making headway while the moon shines.

The only course in which some will ever graduate is the course of time.

Weine: "Does anyone think this hard to understand?"

Jaeger: "It's hard to understand, all right, but I know my stuff."

## A CIVIL ELECTRICAL

Fred Harvey—(In Graphics)—"The point is represented by a line as a point; then erect a line vertically, intersecting the normal to the horizontal."

Bugs returns Moss Davis' paper marked: "Where do you get this stuff—even a wood pecker uses his head."

Green is the dainty Shamrock;  
Green as the Emerald Isle;  
Tho the thoughts of a groping freshman  
Have it beaten by a mile.

## A SHORT LESSON IN GREEK

Weinie: "A magnet is a subsdanze from vitch emanades bagdedic lines of vorce of vitch it hasn't noddink but."

Same as above—(Pointing to a figure 10 above a drawing of an ammeter in a D. C. circuit)—"Misdar Assendorf, that's den, vat?"

Azzy: "I guess it's watts if you say so."



## THE NINETEEN-TWENTY-ONE SHAMROCK

We stood upon the corner as the college girls went by,  
And the wind that brought their socks in view  
Brought dust into the eye.  
Now nature does things very well—she's  
O. K. in her place,  
But why can't she blow down there below  
Without clogging up the face?

### FIGHT 'EM

Once upon a time two frogs fell into a jar of milk. One of them, being well frightened, croaked at the top of his voice. He did this until he was exhausted, then sank and was drowned. The other stuck out his hind legs and paddled and paddled until he had churned the milk into butter. Then he got on top of the butter lump and sat there until he got rested, and then hopped off.

(Write your own moral)

Asendorf sniffed at the contents of his coffee cup and set it down.

"Well," queried the landlady in a peevish tone, "have you anything to say against the coffee?"

"Not a word," Azzy answered, "I never speak ill of the absent."

### IN MISS GOLDSBERRY'S MATH CLASS

B. B. "Say is this the General Math class?"

44. "Naw, it's Anatomy, don't you see who'se teaching it?"

### THAT REMINDS ME

Believe me old Rip Van Winkle sure must have taken a course under Freddy before he took that twenty year sleep.

Dante's Inferno tells of a trip to Hell. I suppose old Dante took Electrical Machinery too.

"But out of the toil with its endless moil,  
Through blows which have battered me  
I stand at my best; but as for the rest  
I'll leave that for the world to see."

Freddy— (In Masonry) — "Cofferdams, that reminds me of a little story; Johnny asked his father if it was wrong to use the word 'cofferdam.' 'No,' replied his father. 'Well,' said Johnny, 'Our old cow just swallowed an apple down in the orchard and she is about to coff'er dam head off.'"

A Plain-clothes man was standing on the Wabash railroad, when Merritt Gwinn, the section boss came up and asked him what he was doing there. The man replied that he was a detective and wanted the president of the road. "Do you think you will get him?" asked Merritt. "Well, I don't know, but I am on his tracks," replied the man.

### SNIPES—WATT?

If Weine's cigarette went out would the arc-light it?

### WELL, WELL.

A jolly young chemistry bluff,  
While making a compound of stuff;  
Held a match to the vial  
And after a while  
They found his front teeth and a cuff.

Percy walked into a store and asked for a shirt waist for his Mrs.

"What bust?" inquired the clerk.

"I never heard anything," pleasantly responded Mc.

### ASK THE COUNT

If a spool of insulated wire is unwound will the Induction Coil it?

Epstein says that Lanier's explanations are as plain as a Greek candy kitchen proprietor's denunciations are when he receives a wooden check.

### AT THE "CALF"

If it came to Columbia, where could the switch-board?

### NO, THEY WOULD BE LITTLE CONDUCTORS

If Mr. Ampere and Miss Milli Volt got married would their children be shocking kids?

# THE NINETEEN-TWENTY-ONE SHAMROCK

## HE NEEDS PRAYER

Minister (to sick student): "I take a friendly interest in you, my boy, because I have two sons in the University myself; one taking Engineering and the other Agriculture. Is there anything that I can do?"

Sick Student: "You might pray for the one taking Engineering."

## A PLEA FOR THE OPPRESSED.

How shall we provide for the poor, oppressed chaperons at our St. Pat's Ball? In this philanthropic age, with no spiked punch, we are forced to look about for some form of amusement for these noble beings. What could be more excruciating than to sit in flower-like indolence against a cold wall, and gaze upon the shufflers and toddlers stagger by? In the old days, we had a means of escape from this injustice; we would quietly inform a couple of freshmen that the chaperons' anesthetic must be provided for the dance and they would then hit the first "blind" for Moberly, and the day was saved.

Our only salvation this year appears to be due to the fact that the dance will be held in Rothwell gymnasium. We notice that many of our chaperons are endowed with considerable enbon point; what then could be better for their complexion, thirst, and appetites than a ripping round with the chest weights, or a breezy go on the wrestling mat? Thus, while the students are enjoying the dumb Belles, the chappies would not be constantly reminded of their unfortunate position due to a sad lack of stills in town, as they viewed the toddlers.

During intermission, when you are strolling with your roommate's girl, conversation comes hard. Think what great joy there would be if the chaps. would stage a relay race around the track with a pair of smoked glasses for a prize; then after the race is over to provide smoked glasses for them all and force them to wear them. It might be a wise move to have all those swift, gyrating, dancers to participate in the race also, for it should knock a few spokes out of their speed.

Lastly, let the chaps. stroll quietly up to the handball court, every few minutes, and all will be well.

## LEAVING THE GROUND

Leaving the ground is the first essential of a successful flight. Provide the ground. This should be a big, smooth field. Have the mechanic taxi the plane to the lee side of the field and head it into the wind. Then have him put blocks under the wheels so the ship can't leave without your consent. Inspect the machine. You won't learn anything from the inspection, but if any one is watching they may perhaps think that you know something. However, don't look it over too long or you will probably lose your nerve.

Now try and climb aboard without kicking any holes in the sides or wings. You will find this very similar to getting into an upper berth on a Pullman, and about as easy. Once in, you should find yourself in the pilot's seat with your feet on the rudder bar and the control stick between your knees. Wiggle the controls in a professional way and have the mechanic start the motor. This causes the propeller to look fuzzy, indicating that it is rotating. Open the throttle to see if the motor makes noise enough. It will probably make too much. Close the throttle. The mechanic removes the blocks. Push on the stick and give her the gun. You're off.

## LIFE OF ST. PATRICK

ST. PATRICK was a missionary of the fifth century, commonly known as the "Apostle of Ireland." His original name is said to have been Succat, and the place of his birth Scotland. When only sixteen years old he was taken by a band of pirates and sold into slavery in Ireland, where he remained for six years. He succeeded in making his escape, after which he conceived the idea of devoting himself to the conversion of the pagan Irish. Accordingly he fitted himself for the priesthood, was ordained in France and arrived in Ireland about 432 A. D. He was successful in his work and it is claimed that he established 365 churches and a large number of monasteries besides making thousands of converts. Various miracles are attributed to him, particularly to the EXPULSION OF ALL SNAKES from Ireland. He died at an advanced age, some claiming that he was as old as 126 years at time of death.

# THE NINETEEN-TWENTY-ONE SHAMROCK

## ENGINEERS' WEEK



On the way home to lunch during Farmers' Week a professor and a couple of students fell into step and were discussing the various topics of the day. During the discussion one of the three mentioned that it would be a fine thing if the Engineers could have a week that would be as profitable to them at the Farmers' Week had been to the Farmers. This suggestion set the fellows to thinking.

One of the three began in a small way to formulate plans for a convention to be held during the week of St. Pat's and in conjunction with the annual St. Pat's Celebration. With the help of the other student and several of the professors, among whom the most interested was Prof. Weinbach, plans were formed for a convention this year. It was presented to a meeting of the A. I. E. E. and referred by them to the executive committee. At a meeting of the committee it was decided to call a meeting of the Board which was proposed to be the governing body of the Convention. This was done and everyone present at the meeting was heartily in favor of the idea. In order to get the support of the student body, it was decided to refer the matter to each of the departmental organizations and get them to pass a resolution endorsing the movement and the appointment of their Student Chairman to the Board. This was accomplished by practically unanimous vote by all of the five societies, and the board met later in the week and began its work for the present year.

The Board is to consist of twelve members; six faculty members and six student members. The faculty members will be chairmen of each of the five departments, and the Dean; the student members shall be the student chairman of each of the five organizations; Civil Society, A. I. E. E., A. S. M. E., A. S. A. E., Chemical Society and President of St. Pat's Board.

At present the Board is subject to the call of the Dean and he will call the new Board together at the beginning of the new school year. O. F. Rothmeyer is temporary secretary of the board and W. C. Wheeler is chairman of the committee on program arrangement.

This is not a move to supplement the St. Pat's celebration but to expand it and interest the industrial engineers of the state in the School and University. This Convention will afford a means of acquainting engineers of the state with the men in the University, and acquaint the students with the problems that will be met up with after graduation. The Board will furnish the technical and educational features of the week and St. Pat's Board will furnish the entertainment. It is hoped that this year's meeting will prove its worth to the men of the school and to Engineers of the state, and that next year work on the Convention will begin early enough so that the Convention will be assured, and advertising gotten out in plenty of time to insure a good attendance.

This year the Board consists of the following members: Dean E. J. McCaustland; Prof. F. P. Spalding and W. J. Edlemon of Civil Dept.; Prof. A. C. Lanier, and W. C. Wheeler of Electric Dept.; Prof. J. R. Wharton and O. F. Rothmeyer of Mechanical Dept.; Prof. Sidney Calvert and J. R. Yeager of Chemical Dept.; Prof. J. C. Wooley and M. B. Reilly of the Ag. Dept.

The program for this year will be found on another page. In closing we extend a hearty welcome to all of the Engineers who have helped us to make this first Convention a success.

## QUEEN OF ST. PATRICK

A new feature of our celebration this year will be the crowning of the Queen of St. Patrick. This idea has been carried out in the celebrations in many of the other schools, and has proven to be one of the best features of the entire affair, and the very best part of the Ball.

To Miss Helen Bradford falls the honor of being crowned the first Queen of St. Patrick at the University of Missouri. She was Guest of Honor at the St. Pat's Ball on March 11, at Rothwell Gymnasium. We truly hope that all loyal Sons of St. Pat will humbly kow-tow to the Queen, and ever remember to hold her in their highest devotion as Most Excellent Queen of the year.

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AT LOVERS LEAP.

Two Co-eds by the Hinkson were kneeling,  
To disrobe for a swim they were stealing.

Said the owl in the tree—

“How’d you like to be me—

When the girls of the college are peeling?”

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Engineer draws plans.  
Philosopher draws conclusions.  
Bartenders draw cokes.  
Dentists draw teeth.  
Tea-Hounds draw I and F.  
Time draws near, when the  
Undertaker draws us all.

Bugs: “How long did you work on this problem?”

Bill A: “Four pipes of tobacco.”

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Just before this volume goes to press Tuffy warns the editor not to mention anything about the bodyguard of four engineers he took to Stephens College.

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*Sweetie*: "I see, why don't you shave it off?"

"He put his arm around me three times!"

"Some arm!"

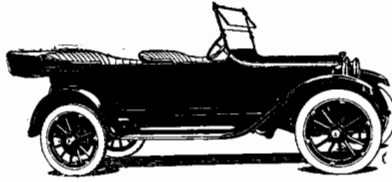
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*Freshman:* "A bib?"

*Soph:* "No, stupid, a bid. What would I want with a bib at a dance?"

*Freshman:* "I thought it might be a dinner dance."

"You're seeing a part of a frame-up," said the Green Jug chorus girl as she kicked over her head.

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*Waiter*: “Do you want a pullet?”

*Doc*: “No, I want to eat it.”

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**THE JINX**

*Moss*: "Do you know that girl over there?"

*Giltner*: "Yes, she sleeps next to me in Preventive Medicine class."

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*Abe Lincoln* (in stresses): “Mr. Grubb, if the stress in  $LoU1$  is 10 kip and in  $U1L2$  is 8 kip, what will be the velocity of the point  $U1$ ?”

H stands for Hibbard, Hotwad, and hair,  
Which on his dome is so painfully rare.

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Its Ice Cream Cones and Powdered Noses,  
Its Parades and Barkers,  
Its Dancing Girls without—

## BUT JUST WAIT

You've never seen a Real Fair!  
Wait till you see this year's Follies  
And the Girls' Show! Oh, you Minstrels!  
And that Barbecue—Say! Once the  
Aroma of that savory, barbecued Beef,  
Pork and Mutton gets on the Breeze  
There's going to be a Stampede to'rd the

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*The 16th Annual Farmers' Fair*

Friday Afternoon and Night  
APRIL 8th, 1921

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BE THERE EARLY

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if you can't stand a surprise.*

Big Pee-rade, 10:30 a. m.



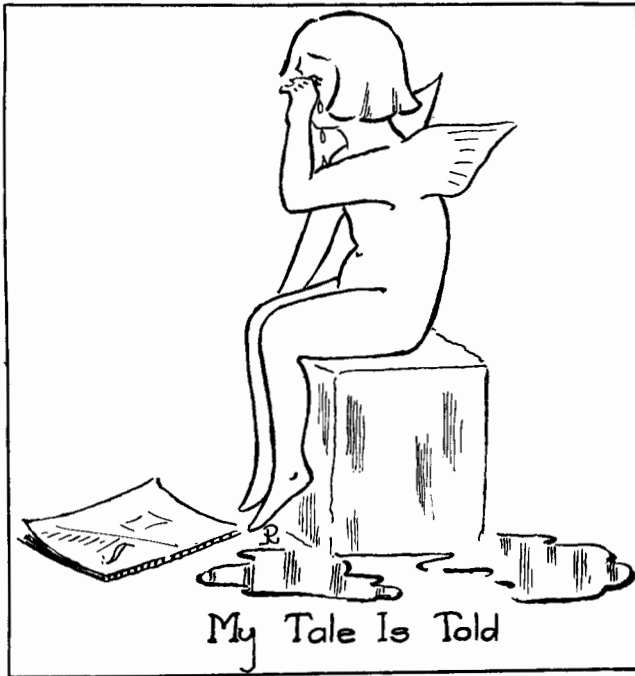
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