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The
SHAMROCK

1929



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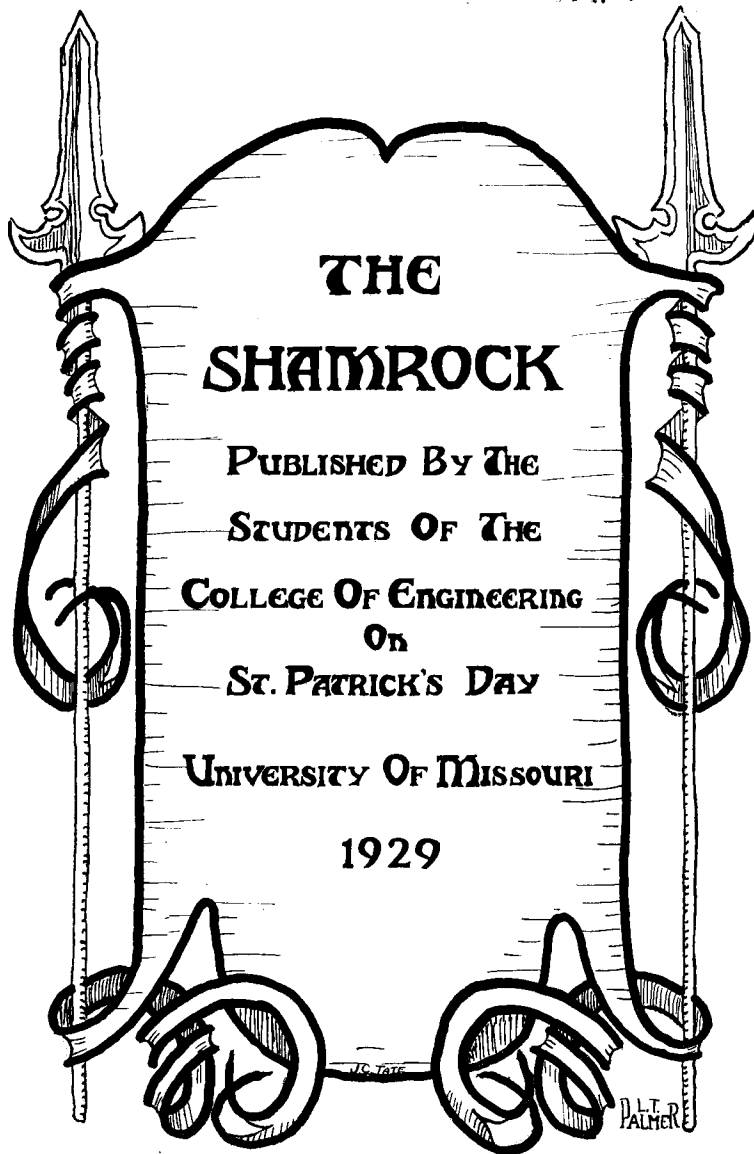


WILLIAM J. TOMFORD-----*Editor*
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**THE
SHAMROCK**

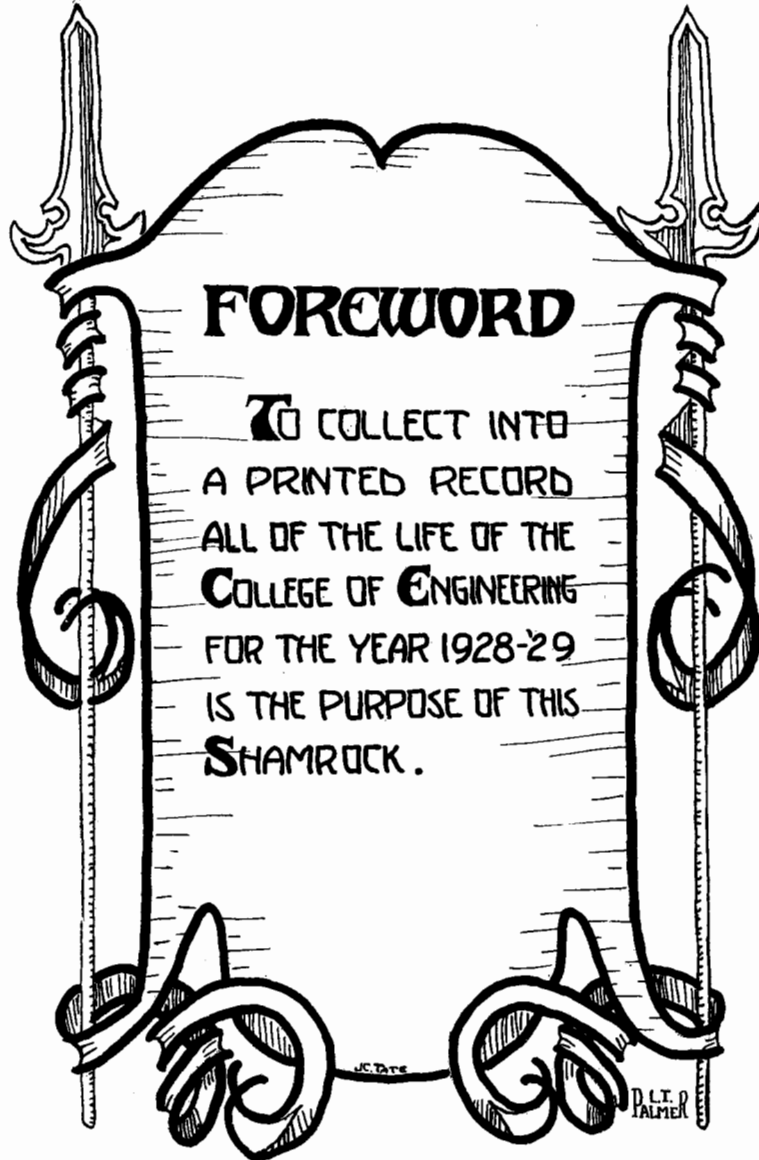
**PUBLISHED BY THE
STUDENTS OF THE
COLLEGE OF ENGINEERING
ON
ST. PATRICK'S DAY**

UNIVERSITY OF MISSOURI

1929

D. L. PALMER

THE
SHAMROCK
YEARLY



FOREWORD

TO COLLECT INTO
A PRINTED RECORD
ALL OF THE LIFE OF THE
COLLEGE OF ENGINEERING
FOR THE YEAR 1928-29
IS THE PURPOSE OF THIS
SHAMROCK.

D. L. P.
PALMER

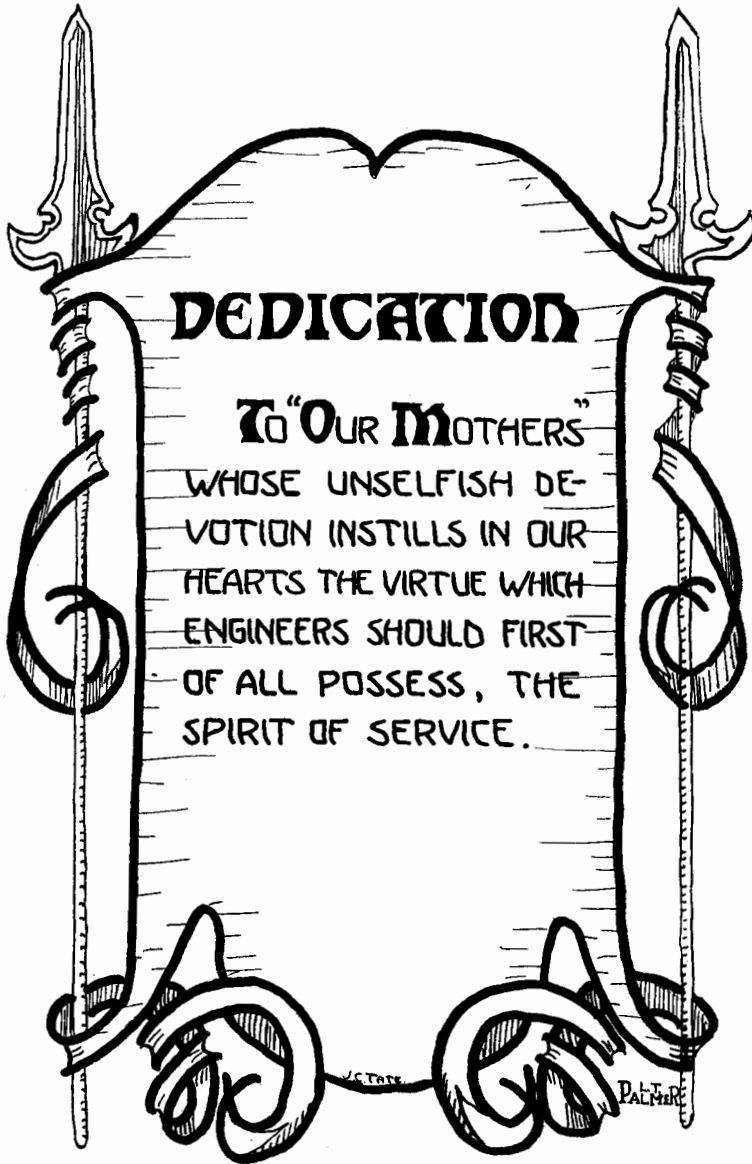
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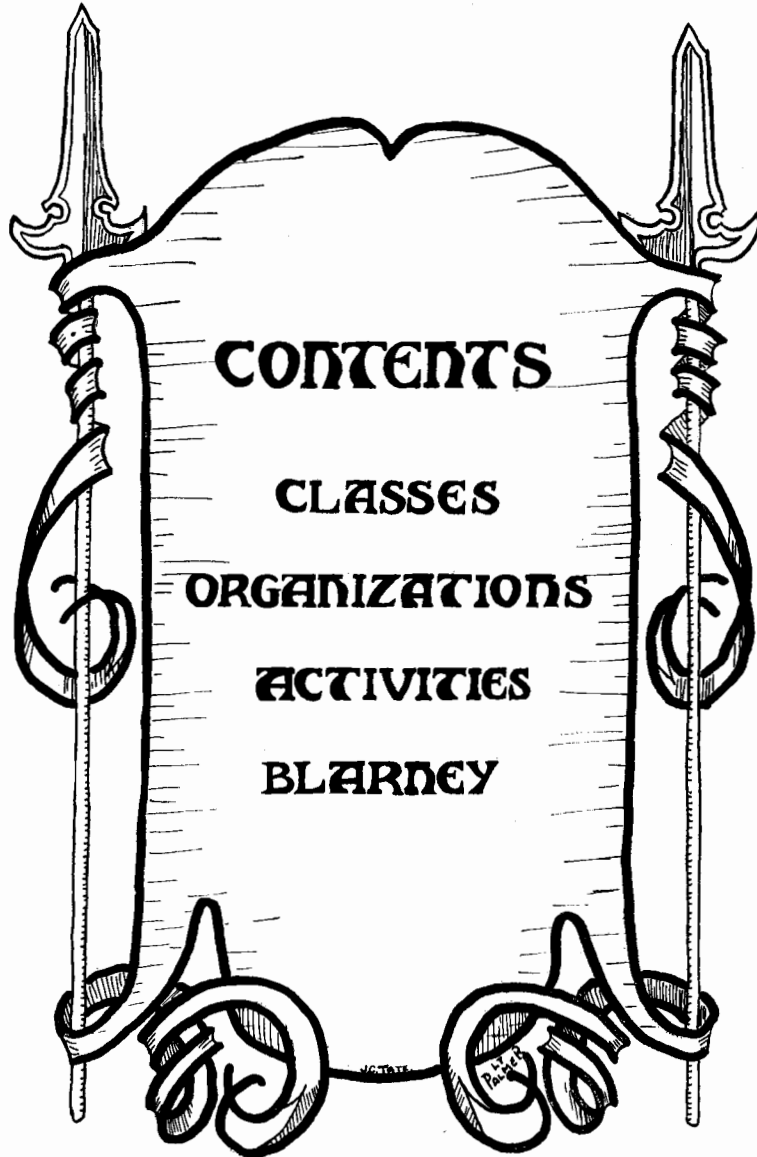
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Prof. A. L. Hyde

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CLASSES

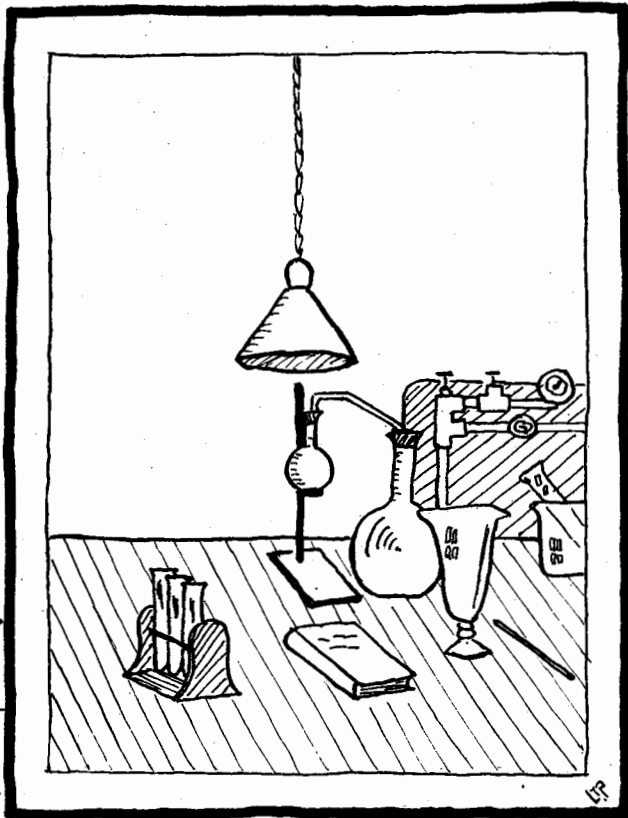
TO THE GRADS.

Tigers of old, pioneers supreme,
Come back to your first love,
Your campus of green.
Here reigns St. Pat,
With his loyal men and queen,
Upholding traditions, resplendent, supreme.

Come back and exult for a few fleeting hours,
You'll see what you're longing for,
Those old antique towers,
The columns, the law barn, a galaxy of mules,
All living happily under engineer rule.

Lay aside all affairs of the heart and the state,
Between business and pleasure there should be no debate.
You will surely forget your valley of tears
When you fondly recall those four golden years.
Men! this is your oldest and greatest stronghold,
And we'll welcome you regally, you Tigers of Old.

—R. P. B.



Chemicals.





Seniors

BOSCH, H. M. (Mike) Jefferson City
T B II, Vice-Pres. A. Ch. E., St. Pat's
Board.
Yes, Herby, you're good.

CHANCE, F. GANO (Tricks) Centralia
A T Ω , A X Σ , Am. Chem. Soc., Band
'23-'24.
"And when I X-rayed her——"

CRUCE, ALLEN Ft. Smith, Ark.
 Σ N, A. Ch. E.
The Arkansas Traveler.

HARDEY, KARL W. Warrensburg
K Λ , A. Ch. E.
"Now down in Warrensburg, we have——"

HUNTER, FLOYD S. Versailles
A X Σ .
Knows where the moon-shines best.

KRUSE, HARRY (Sketchum) St. Louis
 Φ K, Pres. A. Ch. E., Sec. Eng. Club,
Shamrock Staff.
When he clouds up he rains all over.

NASH, WADE HAMPTON (Ham) St. Louis
 Δ K, A. Ch. E.
He feeds the girls a heavy line.

PALMER, LOREN T. (Palmers) Parsons, Kans.
 Ξ Λ X, A. Ch. E., Missouri Musketeers,
Shamrock Staff.
First Class Tutor—Women a specialty.

REHBEIN, CHARLES A. St. Louis
 Δ K, A X Σ , Sec. A. Ch. E., Shamrock
Staff '28, '29.
Squeezes the nickels.

REHNER, JOHN, JR. Kansas City
Triangle, T B II, A X Σ , A. Ch. E.
"E's" with ease.

Juniors

BAUER, LESTER L. (Buzz) St. Louis
Π K A, Φ H Σ, Π M E, Razzers, Student
Council, Pres. Fresh. Eng., Vice-Pres.
Soph. Eng., St. Pat's Board, Homecoming
Comm., Ch. Icebreaker Comm., Dance
Comm.
In olden times they shot ambitious people.

Sophomores

ANDERSON, KENNETH B. Verona
He has failed to make his debut.

ANDES, CLIFFORD Mound City
A chimerical engineer.

CRISP, JOHN T. Crisp
Called his hometown after him.

NORTHROP, W. L. Rocky Comfort
Must be comfortable rocks.

Freshmen

RUDLOFF, RAYMOND St. Louis
A. Ch. E.
The human question-box!!

AGRICULTURAL ENGINEERS

Seniors

BERGSCHNEIDER, H. F. Center
Knights of Columbus, Glennon Club,
A. S. A. E.
He keeps the plows oiled.

Juniors

PARKS, T. M. (Ted) Columbia
Scabbard & Blade, Rifle Team '25, '26,
'27.
Finally ended in the Ag's.



CIVIL ENGINEERS.

Engineers they are, and civilized too
Taping and staking is not all they do.
Though they seem indolent don't be deceived
A multitude of ideas they have conceived.

Trails they have blazed in many a clime
Landmarks they've placed by the stars that shine.
Goodwill and romance they've spread everywhere
In the destinies of nations they even share.

Dauntless and staunch, light-hearted and true
Bedecking the landscape with grandeur for you.
Harnessing the whirlpool, the floods, and the tide
Establishing everywhere a nation's pride.

—*R. P. Burke*

Given: - $R = 200$, Curve to Rt. $I = 51^\circ 35' 20''$
 $P.C. = 16 + 17.42$ Width of St. = $70'$
 $T = R \tan 25^\circ 47' 40'' = 200 \times .48330 = 96.66 = T$
 $51^\circ = .8901179$ $P.C. = 16 + 72.42$
 $35^\circ = .0101811$ $L + 80.08$
 $20^\circ = .0000970$ $P.T. = 18 + 52.50$
 $.9003960 \times 200 = 180.08 = LC$

DEFLECTION ANGLES

Deflection \angle for $50' = \frac{59}{90.06} \times 27^\circ 47' 40'' =$
 (By log) = $\text{Log } 1289.722 = 3.110496$
 Log def. \angle for $30.08' = 2.255465$
 $\text{Log } .6016 = 9.779308$ $.855031$
 $\underline{0.855031}$ $7^\circ - 9' - 43''$
 0.634339

$= 4^\circ - 18' - 31''$ Def. dif. for $30.08'$
 Deflection diff for $50' = 7^\circ - 9' - 43''$

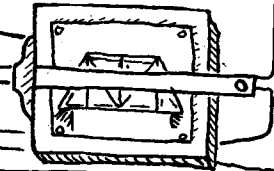
$P.C. = 16 + 72.42$

$3 \times 7^\circ - 9' - 43'' = 21^\circ - 29' - 9''$
 $+ \text{def. for } 30.08 = 4^\circ - 18' - 31''$
 $P.T. = 18 + 52.50 = 25^\circ - 47' - 40'' - 1/2$

CHORDS

50 ft. Arc. 30.08 ft. Arc.
 $\text{Cen. Chd.} = \sin 7^\circ 09' 40'' \times 400$ $\text{Cen. Chd.} = 30.048$
 $= 49.868$ $.0715 \times 2 \times 35 = \text{Cor.}$
 $.1247 \times 2 \times 35 = \text{Cor.} - \text{Rt} - \text{Lt.}$ $\text{Add or Sub for Rt-Lt.}$

Civils





Seniors

ALLISON, GEO. C. (Al) Joplin
Triangle.
Our politician returns.

AXON, ELI O. Breckenridge
I I M E, T B II, A. S. C. E.
Broke "Daddy's" record.

BAIN, J. GEORGE Clayton
Triangle, Scabbard & Blade, A. S. C. E.
Simply can't hang up a telephone receiver.

BAKER, RAYMOND HENRY (Ray) Polo
Triangle.
Engineering's my racket.

BECKNER, EARLE R. (Smiley) Chicaco, Ill.
A. S. C. E., Football '26, Shamrock '23.
The delayed grade specialist.

BEIGHLEY, FRANK N. (Bigel) Joplin
A X A, A. S. C. E., Band '24-'25-'26-'27-'
'28, Orchestra, '24-'25, Glee Club, '24,
Quadrangle Orchestra.
He blows his own horn.

CANAHL, JULIUS A. Oklahoma City, Okla.
X A X, A. S. C. E., Work-Shop.
Wears spats to a formal.

CLARK, KENNETH L. (Clarkie) Moberly
A. S. C. E.
*There is a destiny that shapes our ends
(like an elephant's).*

CURRIE, RICHARD A. (Nick) Holden
A X A, T B II, A. S. C. E.
Curly heads kill competition.

MEYER, OTTO H. Columbia
T B II, I I M E, A. S. C. E., Pistol Club
'29.
Oh my God! My new boots!!

MCGINLEY, CHARLES T., JR. Columbia
Π M E, A. S. C. E., Glennon Club, All
Junior Treas. '28, Pistol Team, '29,
Officer R. O. T. C.
Jeff. City—Oh Boy!

TATE, JULE C. Gallatin
Triangle, Band '26-'28-'29, A. S. C. E.,
Treas. All Soph. '26, Shamrock Staff '29.
Consult his file of phone numbers.

Juniors

BOLINGER, DUIS D. St. Louis
Δ K, T B Π, Π M E, Φ H Σ, Polo Assn.
'29, Polo '27-'28-'29, Shamrock Staff '29.
More Advertising!!

BURKE, R. P. (Pat) University City
Φ K, A. S. C. E.
An engineering poet.

COOK, J. W., JR. (Johnnie) Fulton
B Θ Π, A. S. C. E.
Just a lad from a neighboring town.

EIERMAN, M. GLENN Memphis
A T Ω.
Took his picture without his mustache.

FEILD, C. D. Richards
Polo '27-'28.
Swings a long stick on the polo field.

GEORGE, RALPH W. St. Louis
Δ K, St. Pat's Board '26-'28; Savitar
Staff '26-'27; Cross-Country; Student
Senate '28; A. S. C. E.; Glee Club; Pres.
Soph. Eng.; Sec.-Treas. Freshmen En-
gineers.
And his women!

HARLEY, CLYDE (Squint) Hannibal
Triangle.
*We're wondering about his record at
Central.*

MCMANAMA, PAUL C. (Mac) Odessa
Triangle.
Almost from Kansas City.





RIESS, JOHN H. (Doc) Red Bud, Ill.
Triangle, Shamrock Staff '29.
"Is that a fact!"

Sophomores

HEIMAN, ROY H. Moberly
Guards the portals with a trusty hand.

HUDSON, WM. R. (Bill) Albany
St. Pat's Board, Pistol Team.
Shoots a mean line continuously.

REESE, ARVAN D. (Flint) St. Louis
Δ K, P. S. A., Wrestling Squad.
Cast iron personified.

VOHS, ROBERT C. P. (Bob) St. Louis
Triangle, Treas. Soph. Class.
The boy with the mustache.

Freshmen

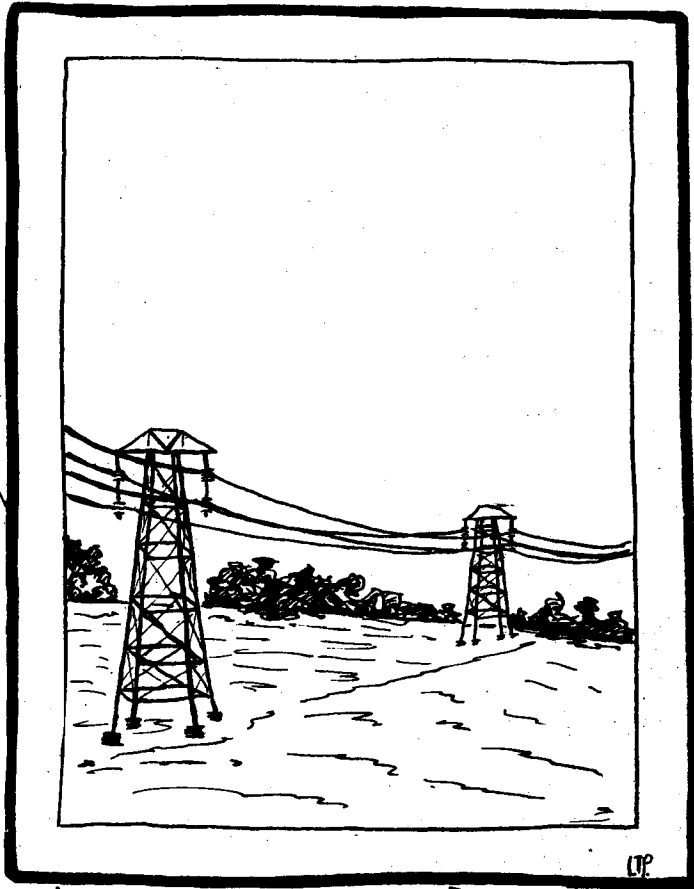
ELBRING, WILLIAM (Bill) Clayton
Triangle.
The boy with the curly blonde hair.

FITCH, RUSSELL (Rusty) Ransomville, N. Y.
Comes a long way to learn.

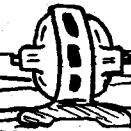
KERSTING, EDWARD (Ed) Jefferson City
Likes his home town best.

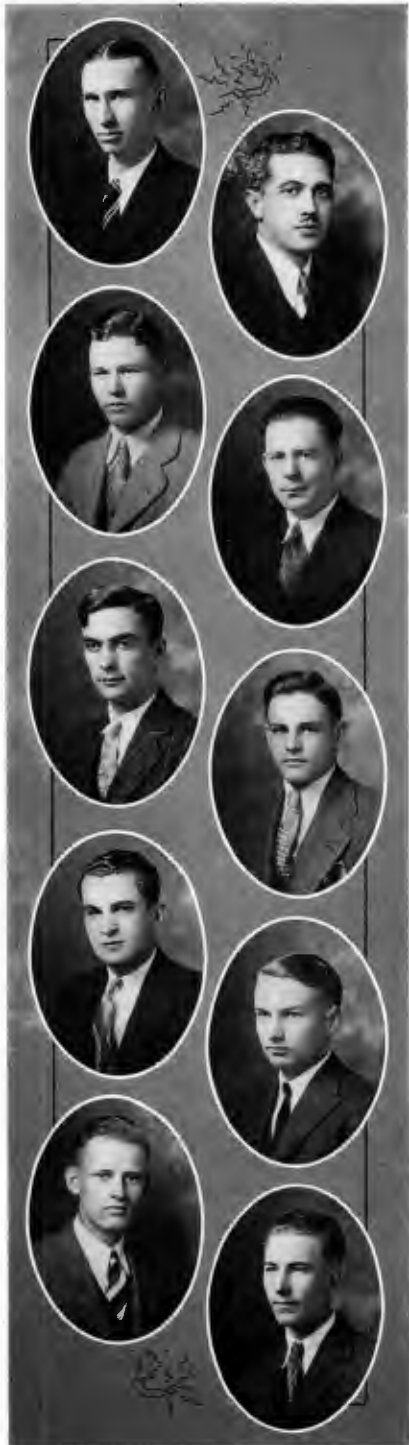
PEELER, RANDOLPH (Bill) Mexico
K Σ, Cross-Country.
Nurmi's only rival.

POYNTER, BROOKS (Pinkie) Lexington
What's the poynt?



Electricals





Fifth Year Men

NEITZERT, CARL Columbia
II M E, T B II, H K N, Σ E, A. I. E. E.
Well, LeMert wasn't here so very long.

Seniors

BAILEY, A. T. Shelbina
A. I. E. E.
Speak-easy for the bus station.

BURLBAW, ERNEST E. Farmington
T B II, II M E, A. I. E. E.
What'll the nurses do next year?

BURNHAM, EDWIN B. (Ed) Ironton
A. I. E. E.
Chicken Pox is a child's disease.

CHINN, FLOYD T. Vandalia
II M E, H K N, T B II, A. I. E. E., St.
Pat's Board '27-'28—Pres. '28-'29.
The electricals' mastermind and oh what a mind.

COOPER, JOSEPH HULETT Hallsville
T B II, H K N; Scabbard & Blade; Pistol
Team '27-'28-'29; Pistol Club; A. I.
E. E.
Does he get a rake-off on engineering texts?

COOPER, MARVIN L. (Coop) Columbia
A. I. E. E.
Lead off man on the three musketeers.

CROW, GEORGE L. Carthage
Engineer's Club—Vice-Pres. '28, Pres.
'29; A. I. E. E.—Vice-Pres. '28, Chair-
man '29; Vice-Pres. St. Pat's Board '28;
Memorial Campaign '27; Homecoming
Committee '27-'28; Executive Committee
N. F. S. A. '28.
*Which proves that you should be an elec-
trical.*

EWING, GEORGE M. Columbia
T B II, H K N, II M E, A. I. E. E., Vice-
Pres. Senior Engineers.
"Sorry, it's on the reserved list."

FOLTZ, RALPH A. Dearborn
H K N, A. I. E. E.
Dr. Jekyll.

(ELECTRICALS)

Start

GORSUCH, HARRY R. Pattonsburg
 A. I. E. E.
Center on the musketeers.

GOVE, HAROLD E. Linn
 Σ E, T B II, H K N, A. I. E. E., II M E,
 Major R. O. T. C.
The Electricals' only hope.

HEUCHAN, R. W. (Bob) Keytesville
 T B II, H K N.
Who is this guy?

JACKSON, RALPH HARLEY (Jack) Paris
 H K N, A. I. E. E.
Little Jumping-jack.

JONES, NEWELL K. De Soto
 Triangle, A. I. E. E.
"Now the new Ford—"

JONES, ROBERT H., JR. Independence
 T B II, A. I. E. E.
Meets his dates inside the Varsity.

KENNISH, JOHN S. Mound City
 A. I. E. E.
The fire-cracker boy.

PAYNE, FRANK C. Kansas City
 A. I. E. E.
Heuchan's lean-to.

RODHOUSE, THOMAS E. (Roddy) Vandalia
 T B II, H K N, II M E, A. I. E. E., St.
 Pat's Board, Ch. Ball '29.
How years have changed a man.

ROTHSTEIN, ALEX. I. (Al) St. Joseph
 A. I. E. E.
*The boy whose slipstick sometimes checks
 the teacher's.*



(ELECTRICALS)



SHAINBERG, GERALD (Jerry) New Madrid
 T B II, H K N, Σ A M, A. I. E. E.
One pace to the left and two paces to the rear of McDonald.

SKINNER, LEO VICTOR Centralia
 T B II, H K N, Π M E, A. I. E. E.
Can figure anything, but the women still have him fooled.

SPURGEON, OLA A. (Spurg) Lockwood
 T B II, H K N, A. I. E. E., Pres. Sr. Engineers.
On the mailing list of the Parsons Sisters Beauty Parlor.

VARNUM, J. B. (Joe) Boonville
Broken hearted Varnum. The Engine Club turned him down.

WELLER, MARVIN G. (Ambition) Pattonsburg
 T B II, H K N, A. I. E. E., Sec.-Treas. Sr. Engineers.
The original moment of inertia.

Juniors

ACHESON, ROBERT E. (Bob) Princeton, Ill.
 A. I. E. E.
A Junior college product.

ADAMS, D. C. Webster Groves
 H K N, Scabbard & Blade.
The Varsity stage-door Johnny.

BONDURANT, D. C. Charleston
 Δ Σ Φ .
Almost flunked Heat A; left his pipe at home.

DUNLAP, ROBERT S. (Bob) Fulton
 A. I. E. E.
Wonder why he lives in Fulton?

COE, JOHN M. Garden City
 A. I. E. E.
A dove with the wrens.

(ELECTRICALS)

GOEKING, C. E. St. Joseph
 Δ Σ Φ, Glee Club.
Thinks a Venturi meter is an introduction.

HAYNES, CHARLES M. (Charlie) Columbia
 Δ T Δ, Π M E, H K N.
Gets his star-gazing propensities from his Dad.

ICKE, LEIGH S. Holden
 Δ X A.
At best on a divan.

MANLEY, JACK M. Farmington
 Φ H Σ, Π M E, T B II, Band.
Raises the average.

MILLER, CHAS. J. Edina
 Π K A, St. Pat's Board, Bus. Mgr. Eng. Club.
Charge it to "and expenses."

MORETTA, WALTER S. St. Louis
Barney Oldfield's only rival.

OLSON, ELMER L. Kansas City
 Π M E; A. I. E. E.; Band '26-'27-'28;
 Univ. Orch.
Changed his name to "Name" on a Graphics Plate.

RAY, CLYDE (Goof) Greenfield
 Φ H Σ, H K N, A. I. E. E.
The tramless method of finding the dead centers.

ROSENBERG, BEN (Rosie) Clayton
 Campus Squad.
They all call me Ben.

SIEKIELSKI, GEO. (Skelly) Boonton, N. J.
 A. I. E. E., Football Coach '28.
A lawyer's nightmare.



(ELECTRICALS)



STILLWELL, ROBERT M. (Bob) Tuscumbia
 A. I. E. E.
Still well and going strong.

WEISER, LARRY (Bud) McKittrick
 Triangle, A. I. E. E., Treas. Soph. Eng.,
 Pistol Squad '27.
Sad Budwiser.

Sophomores

JOHNSON, W. DELAPORTE Columbia
 St. Pat's Board.
Makes Fords climb telephone poles.

MUENCH, LOUIS F. (Lew) Lexington
 Δ K.
His brother was the ugliest man in school.

MCMAHON, T. J. (Mac) St. Louis
 Φ K.
Ask him about weather tickets.

SELVIDGE, HARNER Columbia
 Δ K, St. Pat's Board, Band.
Mussolini of the sophomore class.

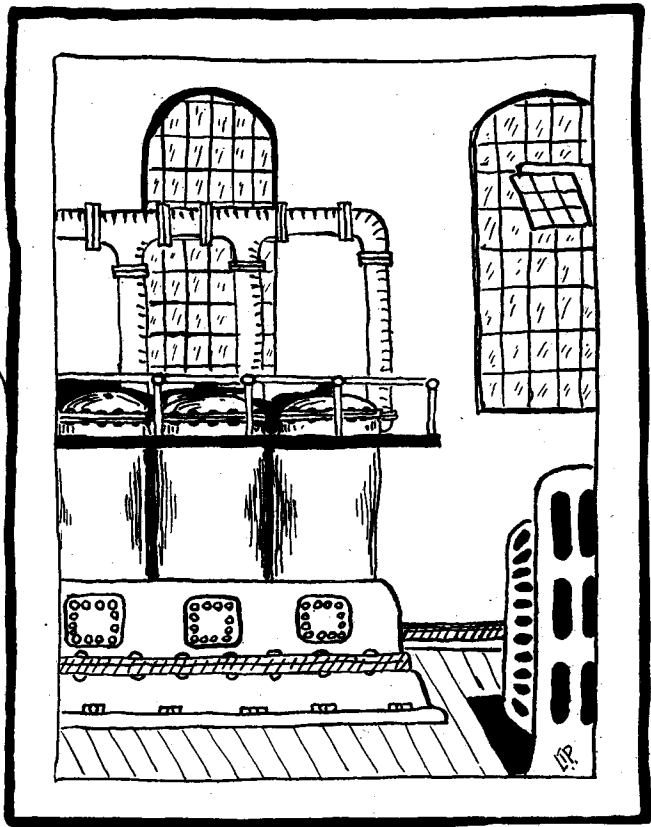
Freshmen

BORDERS, JAMES EARL (Sam) Mokane
He's our star boarder.

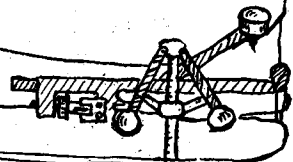
DUNIVAN, EMIL M. (Camel) Campbell
 Cheer leader '29.
A combination semaphore and cheer leader.

HALL, RAYMOND S. Campbell
He got that way from eating Post-Toasties.

MOLLENKAMP, H. W. Lexington
 Shamrock '29.
*Gripes because all classes aren't held in the
 same room.*



MECHANICALS





Seniors

ADAMS, FRED R. Columbia
 II T Σ, A. S. M. E.
Graves' body guard.

AMYETTE, ORVILLE (Runt) Hatton
 II T Σ, A. S. M. E., St. Pat's Board,
 Campus Squad.
Stalker's sparring partner.

GRAVES, JOSEPH G. (Joe) Maryville
 A. S. M. E., Glennon Club.
Uses thermodynamics on his Ford.

HEARST, FRANK T. De Soto
 A. S. M. E., M. S. O.
Sold his bicycle and came to college.

HOLLANDER, WILLIAM L. (Bill) St. Louis
 II T Σ, A. S. M. E.
Wharton's chain valve expert.

TOMFORD, WILLIAM J. (Swede) St. Louis
 Triangle, T B II, II T Σ, II M E, A. S.
 M. E.—Chairman '29, Shamrock Editor
 1929.
*Have your fun, lads. It won't be in the
 book.*

Juniors

COLLINS, Ogie B. (Og) Minimum
 Rifle team.
The women kept him here.

DOWNS, TIFFIN Pine Bluff, Ark.
 Λ X A, II T Σ.
They sold me that building last year.

(MECHANICALS)

FERGUSON, ALLAN R. Sedalia
Π K A.
He has something trembling on his lip.

FREDERICH, BURTON H. Webster Groves
Π K A.
Very happy at the Homecoming frolic.

GORDON, DWIGHT M. Columbus, Ohio
Δ K.
You big, wonderful boy.

HANSS, EDWARD H. St. Louis
Φ K, A. S. M. E.
Here's Hans but where's Fritz?

HERRMANN, ELMER E. Sedalia
Α X A.
*Didn't know what an indicator wrench was,
but Hot Wad wasn't there.*

STRICKER, GEORGE E. Morrison
Triangle, A. S. M. E., Campus Squad.
*He and Harry Gunnison Brown believe in
single tax.*

THORNTON, KIRBY F. Webster Groves
Π T Σ.
A big blonde mass of nervous energy.

UPHAUS, AARON C. Lexington
A. S. M. E.
*Carbolic acid would enable him to warble
like a bird.*





WASHER, J. J. (Johnny) Horine
 Triangle, Pan-Hellenic, A. S. M. E., Raz-
 zers, Vice-Pres. Eng. Club, Vice-Pres. St.
 Pat's Board.
William J. Bryan's only political rival.

WIEGERS, IRVAN E. St. Louis
 Π T Σ, Glennon Club.
The Ham in ham and eggs.

Sophomores

HITCHCOCK, A. B. Bonne Terre
 Π K A, St. Pat's Board '28.
Way down where the tall corn grows.

SCHMALZ, WALTER (Snoozer) Irondale
 Σ Φ Σ,
How's Aunt Emmy?

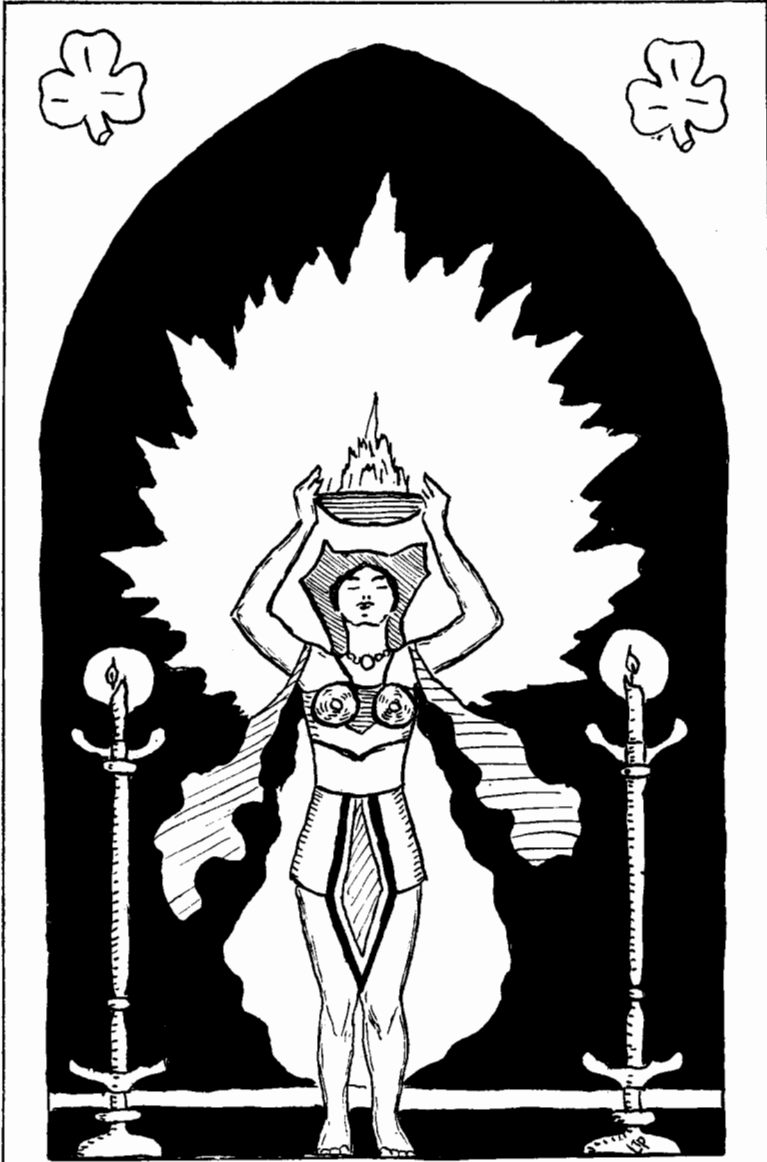
WOOD, WILLIAM EARL (Bill) Rockport
*He gets splinters in his fingers when he
 scratches his head.*

Freshmen

DAWSON, FRANCIS N. Webster Groves
 Π K A,
Not so loud, and funnier.

MEYER, KATHERINE (Kat) Columbia
 Rifle Club.
A loyal mechanical.

SCHAUFERT, FRED, JR. St. Louis
 Triangle, Cross-Country.
He reads the American Boy.



ORGANIZATIONS

(ORGANIZATIONS)



GEORGE L. CROW

THE ENGINEERS' CLUB

GEORGE L. CROW.....*President*

JOHN J. WASHER.....*Vice-President*

HARRY J. KRUSE.....*Secretary*

HERBERT M. BOSCH.....*Treasurer*

CHARLES J. MILLER...*Business Manager*

Since the founding of the College of Engineering at the University of Missouri in 1876, there has always existed a spirit that expresses itself in the Engineers' Club. In no other school on the campus will one find as large a group so completely organized and endowed with such a spirit of good fellowship, loyalty, and fair play as found in the Engineers' Club.

The Engineers' Club is the meeting place of all students in the College of Engineering regardless of department, class, social affiliations, or scholastic standing.

The membership of the Club is composed of all students enrolled in the College of Engineering. Consequently, it is the basic organization. All student activities of the Engineering School function under three subsidiary organizations: the St. Pat's Board; the Shamrock Staff; and the Campus Squad.

The St. Pat's Board, which is composed of thirteen directors, is responsible for the planning and supervising of the annual St. Pat's celebration.

The Shamrock Staff edits the SHAMROCK, the annual publication of the College, which contains a resumé of all student activities.

The Campus Squad is composed of five upperclassmen, who maintain campus discipline, uphold traditions, and assist in Club administration.

The results of such a school spirit are best exemplified by the loyalty of our alumni and the growth of the Saint Patrick's Day celebration here and throughout the engineering colleges of the country. If, by their efforts, the students in the College can foster the spirit of "Old Missouri", then they are assured that their services are worth while.

(ORGANIZATIONS)



WILLIAM J. TOMFORD



CHARLES A. REHBEIN

THE SHAMROCK STAFF

WILLIAM J. TOMFORD-----	<i>Editor</i>	CHARLES A. REHBEIN-----	<i>Bus. Mgr.</i>
HARRY J. KRUSE } -----	<i>Associates</i>	LOREN T. PALMER } -----	<i>Art Editors</i>
JOHN H. RIESS } -----		JULE C. TATE } -----	
SAM D. NUTTING-----	<i>Cartoonist</i>	DUIS D. BOLINGER-----	<i>Adv. Mgr.</i>
<i>Assistants</i>			
HOWARD MOLLENKAMP		WILLIAM RAMLOW	
ELLSWORTH MORRIS		LAWRENCE VARBLE	
WALLACE ZELLE			



ORGANIZATIONS



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HUDSON, BOSCH, CHINN, MILLER, BAUER, GEORGE

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 LANIER, PHILLIPS, DEFOE, DEAN McCAUSTLAND, HIBBARD, NEWTON, HYDE

TAU BETA PI

Alpha of Missouri

Honorary Engineering Fraternity

Founded at Lehigh University, June 1, 1885

Alpha Chapter established 1902. *Colors*—Seal Brown and White.

GEORGE M. EWING	<i>President</i>
WILLIAM J. TOMFORD	<i>Vice-President</i>
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	NEITZERT, CARL	

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L. M. GADDUM	E. C. PHILLIPS	M. P. WEINBACH
H. W. HIBBARD	T. J. RODHOUSE	A. L. WESTCOTT
A. L. HYDE	P. T. RUMSEY	J. R. WHARTON
A. C. LANIER		W. S. WILLIAMS

(ORGANIZATIONS)



HEUCHAN, HAYNES, NEITZERT, GOVE, HOLT, CROW
 ADAMS, RAY, SHAINBERG, JACKSON, RODHOUSE, HOWARD, COOPER
 EWING, SKINNER, SPURGEON, CHINN, LANIER, WELLER

ETA KAPPA NU

Professional Electrical Fraternity

Founded at the University of Illinois, 1902

Iota Chapter established June, 1911 Colors—Navy Blue and Scarlet

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EWING, GEORGE M.	HOWARD, LYDE E.	SPURGEON, OLA A.
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	NEITZERT, CARL	

FACULTY MEMBERS

A. C. LANIER	M. P. WEINBACH	M. M. JONES
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(ORGANIZATIONS)



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 DOWNS, AMYETTE, NEWTON, THORNTON, TOMFORD

PI TAU SIGMA

Honorary Mechanical Engineering Fraternity
 Founded at University of Illinois, 1916
 Epsilon Chapter established 1925

Colors—Azure and Murray

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FOSTER, J. EDWARD	MANLEY, JACK M.	WEISER, LAWRENCE G.
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STUDENT BRANCH OF THE AMERICAN SOCIETY
OF MECHANICAL ENGINEERS

Missouri Branch Affiliated 1909

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MEYER, KATHERINE
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WIEGERS, IRVIN E.
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PALMER, REHNER, DUNCAN, BAMMAN, BAKER
BAUER, SAUNDERS, SADOWSKY, HOLLEY, WEISBAUM
DUFF, CRUCE, KRUSE, LORAH, BOSCH, HARDEY

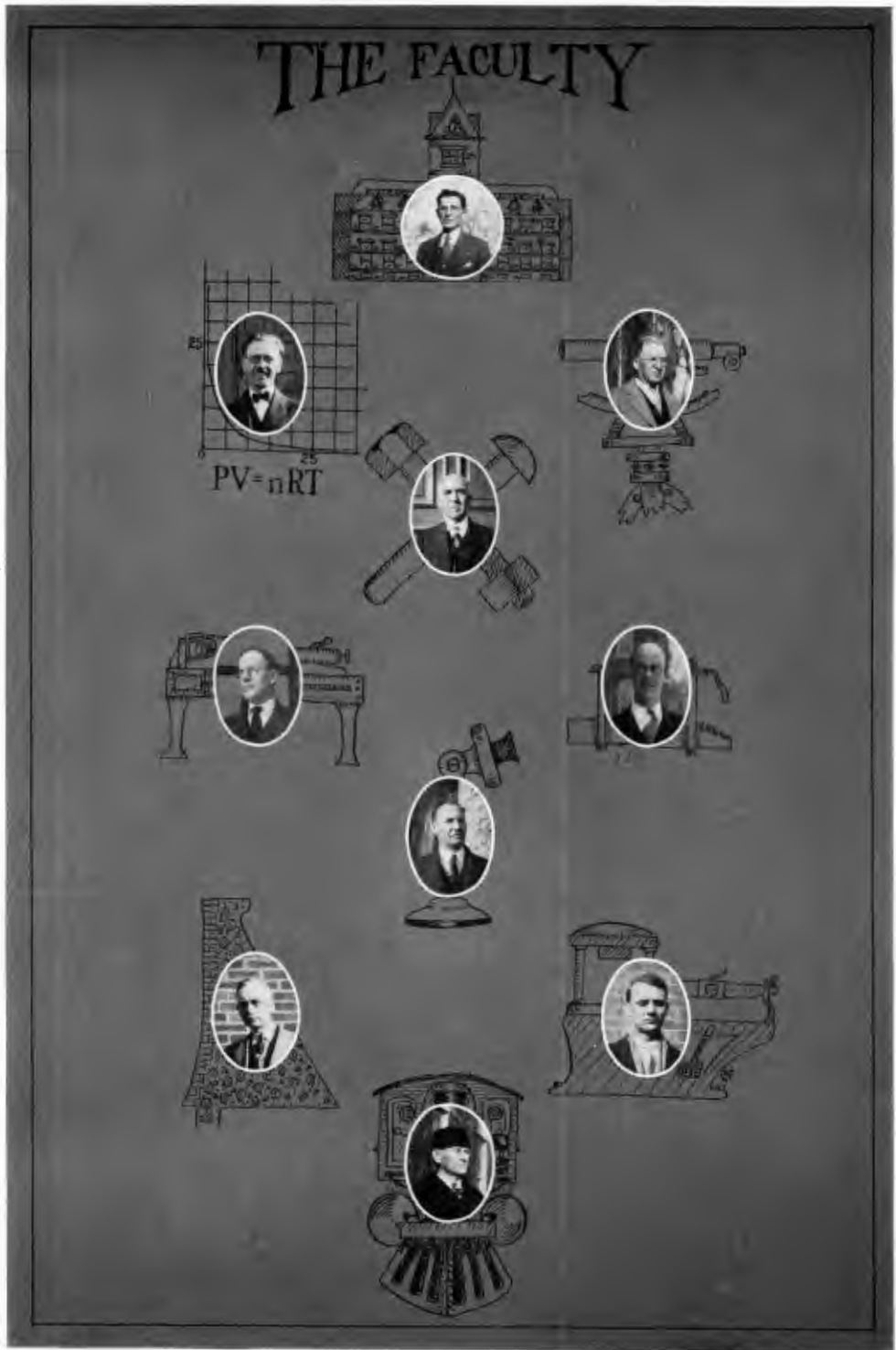
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WESCOTT, JUSTIN





ACTIVITIES

THE 1929 ST. PAT'S CELEBRATION.

March, along with the sacred saint of the engineers, has rolled around again. Since last fall every loyal engineer has been anxiously looking toward the St. Pat's celebration. Even the freshmen in the College have quickly caught the spirit of the "engine school", and they too are desirous of participating in the week's activities.

For the Seniors, this celebration means the last one during their school career. This spring they will go out to join the group of successful men who have called this school their alma mater. May these freshmen in the school of life quickly acquire the loyalty and spirit which our alumni have shown.

This year the various committees and groups providing for our entertainment have assured us that every effort will be expended toward making this an exceptional celebration. It will officially start on Thursday night, March 14, with a big barbecue for the engineering students and alumni. This barbecue, which originated last year, takes the place of the annual smoker formerly given at the time of the celebration. Friday morning and afternoon, lectures are to be given in the University auditorium on various phases of engineering work. At seven o'clock Friday evening, Saint Patrick will appear in person and say "I dub thee Knight" to those men who have faithfully and loyally served him for four years. Immediately following the knighting ceremonies the laboratories will be opened to the public. An alumni meeting will be held for those engineers returning for the celebration. On Saturday afternoon the Green Tea is to be held in the library for the students and alumni. At six o'clock there will be a banquet at the Tiger Hotel—here the undergraduates and alumni become better acquainted. At eight-thirty o'clock this same evening the biggest social event on the engineer's calendar takes place. The St. Pat's Ball will be the climax of the celebration—the Queen will be presented and crowned by the representative of Saint Patrick. The Ball will progress in full swing until eleven o'clock and at this time the Shamrock will be distributed.

(ACTIVITIES)



FLOYD T. CHINN

Representative of Saint Patrick

Floyd Turner Chinn was born in Vandalia, Missouri, June 26, 1906. He attended high school at Vandalia, and graduated with honors in the spring of 1923. In September, 1925 he entered the College of Engineering, and all through his undergraduate career he has given freely of his time and effort for Missouri. Even though he has entered into many outside activities, he has maintained a high scholastic ranking at all times. He is a member of Tau Beta Pi, Eta Kappa Nu, Pi Mu Epsilon, and St. Pat's Board. He is also one of the representatives from the College of Engineering on the Student Senate. In his junior year he was president of the junior engineers.

To The Queen

Radiant as a blushing rose,
So redolent of all delight where'er she goes,
Eclipsing in beauty her traditional line
Truly a queen, enthralling, sublime.

Long may she bewitch this pioneer band,
Extol their exploits in every land,
Beauteous she looks in that old marble hall,
Smiling, beguiling, Queen of the Ball,

---R. H. B.

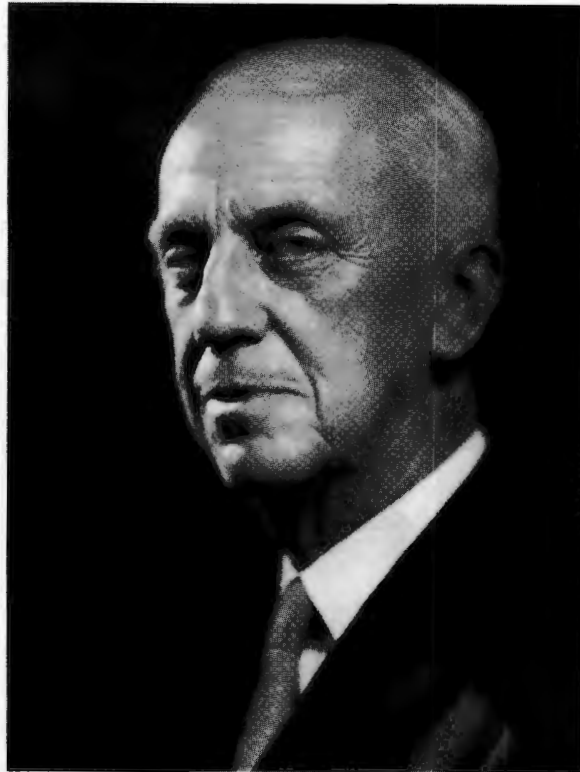
(ACTIVITIES)



Queen of St. Pat's Ball

Miss Virginia Estes

(ACTIVITIES)



DEAN WALTER WILLIAMS

Knight of Saint Patrick 1929

Walter Williams was born in Boonville, Missouri, July 2, 1864. After his formal education, he received at various times honorary degrees from Missouri Valley College, Kansas State Agricultural College, and Washington University. His first practical training for newspaper work was obtained on newspaper staffs in his native state. From 1887 to 1898 he served as organizer and official of various national and international press associations. From 1898 to 1908 he was chairman of the executive Board of Curators of the University of Missouri. In 1908 he was appointed dean of the School of Journalism. Since 1908 he has attained the following honors: Fellow Kahn Foundation for Foreign Travel of American Teachers; Director of International Press Congress; President of the Press Congress of the World; Chairman of World's Press Council; President of American Association of Schools and Departments of Journalism; President of Pan-American Congress of Journalists; and Exchange Professor of the University of Mexico.

He is a member of Sigma Delta Chi, and Kappa Tau Alpha.

We are very glad to welcome him as an Honorary Knight of St. Patrick.

(ACTIVITIES)



PROFESSOR R. W. SELVIDGE

Knight of Saint Patrick 1929

Robert Washington Selvidge was born August 11, 1872 in Mount View, Missouri. He received his education at Warrensburg State Normal School, Bradley Polytechnic Institute, and Columbia University. From 1895 to 1897 he was superintendent of schools of Johnson County, Missouri. He taught at the Joplin High School from 1900 to 1903, at the Louisiana Industrial Institute from 1903 to 1907, and was appointed to assistant professorship of Industrial Arts, University of Missouri in 1908. In 1919 he became professor of Industrial Education, and in 1925 was made chairman of the department of Mechanical Engineering. During the war he was consulting expert and vocational educational director for the War Department.

He is a member of Phi Delta Kappa, American Society of Mechanical Engineers, National Educational Association, Western Drawing and Manual Training Association, and American Association for Advancement of Science.

He has been a prolific writer on vocational education and is the author of several books on this subject.

In recognition of his achievements as an engineer and educator, and in appreciation of the many services he has rendered us at various times, we feel justly proud in conferring this knighthood upon him.

(ACTIVITIES)

SCHOLARSHIPS AND PRIZES

The Shamrock staff has decided to call the attention of the engineers to the various scholarships which are awarded annually to the students of the College.

The Missouri Engineers of Chicago Scholarship

This scholarship was established by the Chicago chapter of Missouri Engineering Alumni Association, to be supported by subscription among its members. The candidate must qualify under the following rules: (1) he shall have had at least 2½ years previous work in the College of Engineering at the University of Missouri; (2) he shall be among the first ten of his class in scholastic standing; (3) he shall have participated creditably in one or more distinct activities.

The Scholarship for year 1927-28 amounted to \$150, and was awarded to George McNaughton Ewing of Nevada, Missouri.

The Engineers' Club Prize

In June, 1928 the Engineers' Club of the University of Missouri established a scholarship prize to be awarded to the two freshmen engineers who have maintained the best record based on scholarship and general activities. The prize consists of either a slide-rule or a handbook.

Eta Kappa Nu Prize

The Iota chapter of Eta Kappa Nu awards a handbook or slide-rule annually to the highest ranking sophomore electrical engineer. The ranking is based on scholarship alone. Last year's award was given to Lester L. Bauer of St. Louis.

Pi Tau Sigma Prize

The Epsilon chapter of Pi Tau Sigma awards a handbook or slide-rule annually to the highest ranking sophomore mechanical engineer. The ranking is based on scholarship alone. This award will be made this year for the first time.

James S. Rollins Scholarship

The sum of \$50 awarded to a fourth year student based on recognition of merit and character.

MORE FACULTY



(ACTIVITIES)

ENGINEERS IN ATHLETICS

This year the College of Engineering has been well represented on the Varsity and Freshman athletic teams.

Varsity Football

Engineers on the squad were W. C. Frankenfeld, L. E. McGirl, G. R. McGinnis, Wm. M. Erickson, H. V. Campbell, and S. W. Cox. In addition, the College of Engineering furnished a good wealth of material for the Freshman team.

Cross-Country

Ralph George was our sole representative on the Varsity squad. However, several promising candidates were on the Freshman team.

Polo

Every year polo is becoming more popular as a minor sport. L. A. Scott, C. A. Feild, D. D. Bolinger, and C. L. Morse were on the squad.

Engineers Football Team

This year the Law and Engineering Colleges purchased a handsome loving cup to be awarded annually to the winner of the Engineer-Lawyer football game. George Siekielski was appointed coach for the team, and the students quickly responded to the call for material. The men worked hard, but lost to the Lawyers by a close score. The team was composed of C. Andes, W. Elbring, R. Baker, P. Creek, C. H. Harley, T. McMahon, T. Tate, C. Raines, O. Amyette, P. McManama, E. Morris, K. Clark, H. Selvidge, G. Prichard, and J. Reiss.

Messages from the Faculty

THE COLLEGE OF ENGINEERING

DEAN E. J. McCAUSTLAND

The profession of engineering has broadened its scope during the last thirty years to a remarkable degree. The development of electrical power, of the gas engine, of the telephone, of the radio and other inventions has so extended the control of power and of natural resources that trained engineers are becoming more and more in demand.

As a consequence of this rapid development the education of engineers has been materially modified within this period; and in spite of the general expansion of engineering activities and increase in engineering control, the training of men for this Profession has been based to a greater degree upon the study of the fundamental sciences which form the basis of engineering practice.

While the practice of engineering is recognized as an art, the engineering schools are replacing many of the so-called practical courses with subjects which establish scientific principles thru a more intensive study of the sciences themselves. Research has become an important part of engineering education while the application of scientific principles in any particular field of practice is left to the development of codes based on experience.

The College of Engineering at the University of Missouri maintains courses of study covering a period of five years and leading to professional degrees. Students may at their discretion, however, receive the Bachelor's degree at the end of four years of study. From fifty to seventy men per year are graduated from the several courses and all are promptly absorbed in the industrial world.

It is unfortunately true that not more than forty per cent of the students who enter the College finally complete the work for a degree. Many discover very early that they have not the scientific attitude of mind which will enable them to make a success in their college work. These however, do gain some benefit from the training of the earlier years and many take their places in more or less responsible positions in work relating to engineering but not requiring a definitely scientific outlook. In any case it is believed that many students, even tho they find it impossible to complete the course, secure considerable advantage by one or two years training since it gives them an insight into the application of engineering principles to the modern business world. While the spirit of the College is an eminently practical one, it is not without ideals which after all are necessary in whatever field we may choose as a life work.

(ACTIVITIES)

ENGINEERING TRAINING

PROFESSOR HARRY K. RUBEY

The highest positions in our industrial, commercial, transportation, financial and political affairs are now open to the engineer. It is reasonable to believe that this will be increasingly true in the future.

The graduate in engineering may engage in a wide variety of technical or semi-technical work. Should his interest and aptitude lie in other directions, his engineering education will be helpful, especially so in executive and administrative duties. While there is little limit to the responsibilities which may be attained by the capable and ambitious engineer, yet as with other men, his individual success will depend largely on his personal efforts and on the sound judgment exercised by him in "planning his work" and "working his plan."

Much may be accomplished in laying the proper foundation while in college. Men with good college grades *do* tend to be successful. Contacts, friendships and personality are influenced by the activities of college years. Ideals and judgment must be cultivated at this period. Success in a business or profession is in general attained by the man who early and wisely chooses that career for which he is fitted, in which he is interested and in which opportunity for service and advancement is to be found. Summer vacation work, discussion with associates at the University and other friends, reading and contacts all aid in making this choice.

Engineering training and education are definite assets. When strengthened by character and sound judgment, a useful, successful and perhaps happy career is almost assured.

THE TRAINING OF THE ELECTRICAL ENGINEER

PROFESSOR A. C. LANIER

Electrical Industry has had an unprecedented expansion and diversification in the past few decades. Invention and scientific discovery have opened up new fields for engineering exploitation, as in the case of radio. At the same time, the older established fields of the manufacture of electrical machinery, of electrical energy supply and of communication have had to meet new and increasingly exacting demands.

One result of this expansion in electrical industry has been an increase in the fields of specialization open to the prospective electrical engineer. This has resulted not only from the increased diversification of the industry, but also from the new types of responsibility which the engineer has been called upon to assume. These newer activities, added to the traditional work of design and construction, include investigational work, on the one hand, and the organization and administration industrial undertakings, on the other.

(ACTIVITIES)

These increasingly specialized activities of the electrical engineer have not led, however, to increased specialization in his college training. Rather the reverse has been true. They have emphasized the necessity for a broader, more thoroughly fundamental training in college as a foundation for the specialized knowledge and professional experience to be gained later in direct contact with industry.

MECHANICAL ENGINEERING

PROFESSOR ROBERT W. SELVIDGE

The work of the mechanical engineer may be in research, production, operation or management, but it always is based upon a thorough knowledge of the properties of materials and the laws of mechanics. Such basic knowledge enables him to design more efficient equipment and provide better service for society.

The importance of this is shown in the research on the properties of steam which has just been completed. We have been familiar with the properties of steam at comparatively low temperatures and pressures, but we were quite uncertain about the properties at high temperatures and pressures. It was generally agreed that engines operating under the high temperatures and pressures would have a higher efficiency, but because of a lack of knowledge of the properties of steam, designers were unwilling to produce turbines for the very high pressures. During the past eight years a group of research workers have been studying the problem and have recently presented data covering the entire range up to the critical pressure of 3200 pounds per square inch. With this data, designers may now proceed with confidence to the production of the more efficient high pressure turbines.

The 150 hour flight of "The Question Mark" is a spectacular example of the application of fundamental engineering knowledge and mechanical skill to a practical problem. The flight was successful because it had back of it some of the best mechanical engineers in the army who fully understood the scientific principles involved and the importance of the most meticulous care of every detail of the mechanism.

A STATICALLY INDETERMINATE LOVE SONG

I stood on the bridge at midnight,
A simple Pratt-truss span,
And my fingers were held fixed-ended
In the clasp of my love—dear Ann.

And I sighed as I there surveyed her,
My love so passing fair,
While a sportive wind load sudden
Caused tensile stress in her hair.

“Ann, wilt thou walk beside me
'long Life's hard surfaced road?”
On my ribs spiral reinforcement
My heart sets up an impact load.

“Oh, Ann, beam thou upon my life;
I pray thee do not dim it.”
And my joy, when she softly whispered “Yes”
Exceeded the elastic limit.

—*Author in hiding.*

Kansas State Engineer.



Dedication

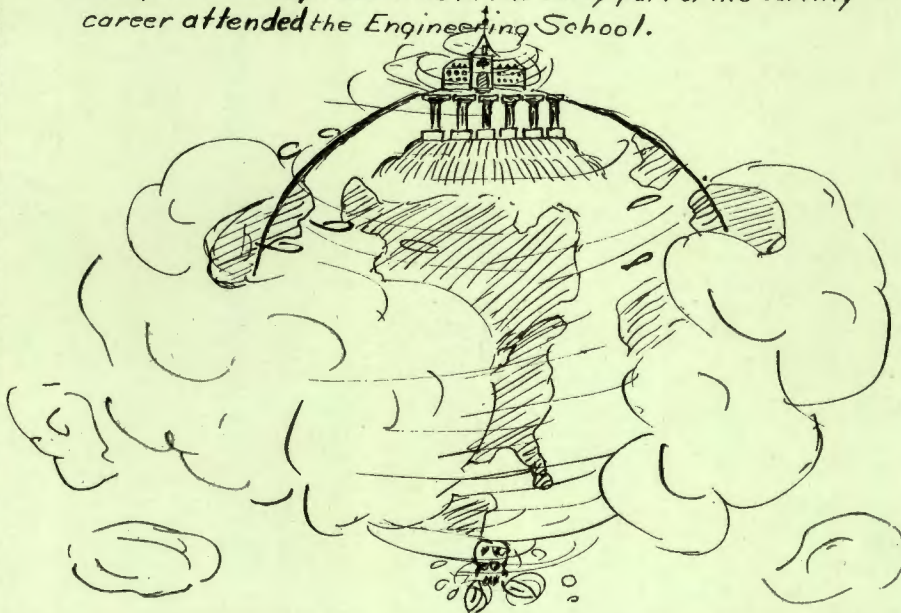
To that objectionable portion of the Engineering School whose talents are not as conspicuous as they themselves are; who believe in themselves first and one or two authorities of the past ages and distant countries second; who are confident, finally, on grounds known only to themselves, that their elimination from the school would mean its ruin, this section, with the deepest genuflections of the Shamrock staff, is sympathetically dedicated.

—N. K. T.

WHO'S WHO
and
WHAT'S WHAT
in
THE ENGINEERING
SCHOOL
or
WHY DID THE
PHANTOM SHUDDER



Gentle (or if not, becomes so) Reader: The above carefully drawn sketch is a portrait of a shade that cast no shadow, (Newton please note: try that on your tracing paper) It depicts an engineer who in the early part of his earthly career attended the Engineering School.





Here our photographer, having studied the Cryptic Crystals of the Chromospheres, caught the visitor in the fourth dimension. This accounts for his startled expression. (Note the fourth dimension in the background.)

The questions he asked, the comments he made on conditions, and the criticisms he made on the prominent personages he saw, have been faithfully recorded by an expert on interstellar language. This record has been procured by the Shamrock Staff, at the greatest trouble and expense. The visitor, although obviously a gentleman and no lawyer was abrupt and plain spoken; his vocabulary was evidently accumulated with an eye to accuracy rather than to graceful compliment. What he said therefore should not be taken too much to heart, for he was old and soul-weary. And as he himself said, quoting one of the sacred sayings of Confucius,

THE GREATEST SMALL NOT BE DENIED THAT PRIVILEGE

was Confucius confused





What is this dilapidated, deteriorating, damnably dejuvenescent drag on the landscape?

This, I must admit, is the Engineering Building. In the latter part of the Nineteenth Century, architectural technique achieved this triumph. Now, however, it is a busy anthill; industrious beings scurry in and out of its tortuous passageways, blinking when they meet the sun once more.

What missbegotten mistake of a man is this, and into what demon's den, dank and dim, does he precipitate himself?

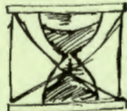
No, he is not an academe. He is not even a professor. No, Dr. Crowtiffinbosch, it is the 1929 product of the University of Missouri Engineering School. A poor thing but our own.

Oh Father Time, what a change thou has wrought! Where is the engineer of yesterday? Where is he who was considered a man amongst men and a he-man amongst women? Where are the unshaven, booted, hairy-armed, flannel-shirted characters of yesterday? Can it be that Darwin was right, and that this descended from these.



Yes, alas, Doctor Crowtiffinbosch, contrary to the hopes and theories of some, nature will take her course.

O Tempora!



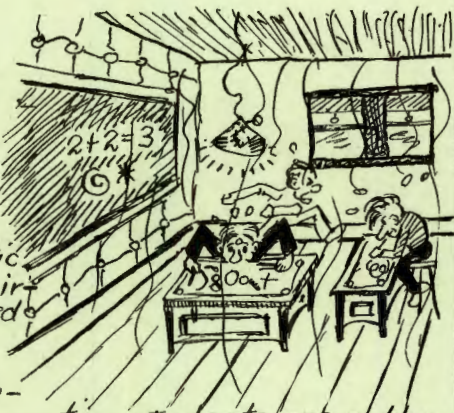
O Mores!

What despicable dive is this?
Whence come these fearful,
flabbergasting, phantom-
felling fumes?

This-I say no more-is the
senior electrical design room.

What is done here?

In this place the energetic
pursuers of the ohm, the inspir-
ed sprinklers of the dampened
vibration, the illustrious
hunters of the elusive farad,
in the wee hours of the morn-
ing when all honest, self-respecting students are in the
arms of Morpheus, remain awake, plotting charac-
teristic curves and political schemes, making designs
on graph paper and the Engineering School.



What is this? This is the medal of
Eta Kappa Nu. It may be worn by any
electrical engineer who is successful
enough as a politician to have good
grades and to be called a good fellow.



Who is this? - What- this. Why, that's Crow.
Crow, - not Jim? No just George. So
this is George. Well what of it?
Oh nothing except that he's a sort of
President around here. His motto is,
"Consume cocoa and control the
campus." (And why stop there, says
George.) So far so good but not so very
far.



Crow contends that the constant consumption of
cocoa can cause contumacious committees to com-
ply, can conquer or calm the captious criticism of
the most crooked cabal, and can convert in a campus
campaign more cantankerous cranks to a candidates
cause, than any other ? can.



Who is this? This is Spurgeon, another wire-puller. What is Spurgeon doing? Spurgeon is expressing his contempt for unclean Campus Politics. (Spurgeon holds an office.) "This," he says, "is the result of bigger and better cigars. (El Toro) Do you want an office? Get out the cigar box. How about slipping out of finals? Cigars will do it. If your Prof. don't smoke them, be nonchalant. Smoke them your self.

Who is this? This is Chinn. He has a hobby. What is this hobby, collecting stamps? No, Chinn collects official titles. What does he do, besides that? He makes speeches, whenever possible. Speeches? Speeches about what? Nothing. He says, "The fact that I hold only five offices is because there are no more favorable votes."



-Jones-
The duke smoked his short, but Jones smoked his longer.



Rodhouse;
"Can I help Miether Chinn"

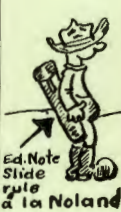
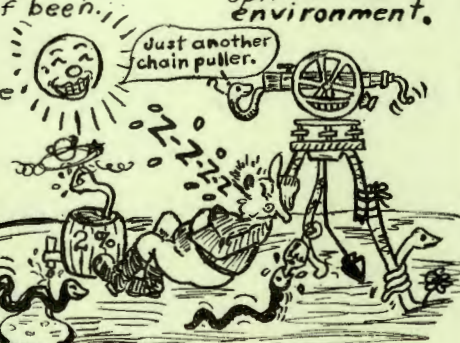


Varnum-
Visions of what might of been.



Ewing-
A good man in spite of his environment.

What is this man doing? Is he working? No he is surveying. Does he ever work?
No, he is a CIVIL ENGINEER.



It takes more than a slide rule to make an engineer

Ed. Note
Slide rule a la Noland

A.S.C.E CLUB
Refuge for all deficient
Mechanicals+Electricals



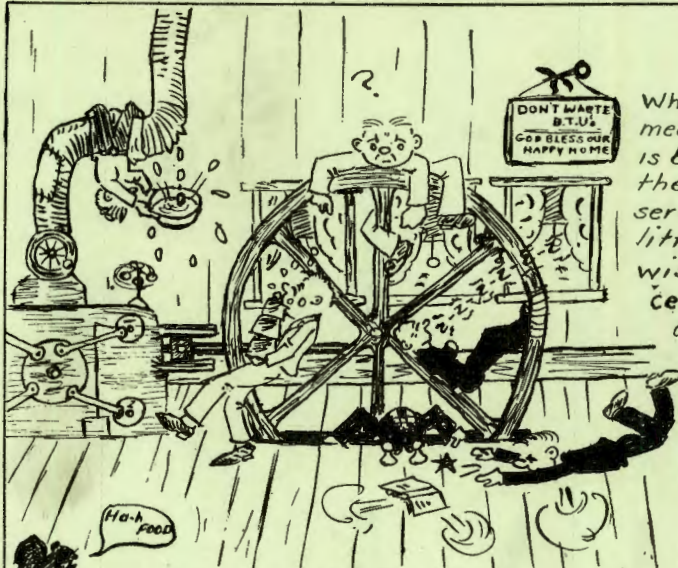
Otto Meyer

Einstein is also a wise man


Me an tha State, Hiway Dept



McGinley



What is this? This is the mechanic's dugout. What is being done here? Here the potential B.T.U. conservers, with their little steel-scales and wise expressions, proceed to pursue the cause of that mysterious chattering. They change positions and opinions every 12,486 revolutions. (Normal engine speed - 50 R.P.M.)

When the year is up and they're thru pursuing, the janitor comes in and sweeps the dandruff off the engine. Then after deep thought and exchange of opinions, weighing each argument carefully, pro and con, they arrive at the momentous decision that this -  - should have had six sides instead of four -

MIRACULOUS!!!



What is this? Is it an ad for Pie à la mode? No, it is the shingle of Pi Tau Sigma. What is Pi Tau Sigma? Pi Tau Sigma is an exclusive confederation of mechanically inclined engineers. What is its chief claim to glory? Pi Tau Sigma (thanks to Heat B) has, within its ranks, more Civil Engineers than A.S.C.E.

Who is this? Is it an angel? No, but it is Tomford, the model boy. He and George Washington never told a lie. Does Tomford study hard? No, Tomford never studies. He is so busy preparing his lessons that he has no time to study.



What is this thing? Is it human? Yes, it is Hollander. He took a trip to the coast. What has he done? He took a trip to the coast. What does he do now? He tells of his trip to the coast.



Who is this? This is Councilman Tiffin. Why the self-satisfied smile? He once attended an engineers' meeting. What? When did he attend an engineers' meeting? When he was running for Councilman.

Who is this? This is Amyette. Why the perpetual grin? He is thinking of experiences at the TRIDELT house - serving coffee - Amyette attributes his success in Heat B to these experiences.



Stalker - A great future behind him.



Graves: "I don't hafta pass Heat B"



Hearst-LaMert II



Wilke - Just a bolt pusher



What an aggregation to work on! What a field for comment! What IS this? This, kind friend, (hold your nose) is what gave Denmark its reputation. Herein the fanatical seekers of the most delectable combination of C_2 , H_2 and OH , defile the atmosphere, even vanquishing the neighboring mules, and give all innocent passersby a gruesome and awful conception of the future destination of errant men.



What is this? This is merely Herbert Michael Bosch, the youth who aspires to be a small town boy. "Imagin everything," quotes Mike, as he rushes off to Jeff City to supervise the intricate operations of the Jeff City water works. (He has to turn on the faucets.)

Who is this? Oh! Ask some of the girls. This is the great Harry Kruse, made greater and better by the uplifting influence of dainty feminine atmosphere. His Motto is: "Keep that schoolgirl complexion off my coat lapel."



Who is this? This is Rehbein. What has he done? Nothing. What does he intend to do? Nothing, except to find new methods to keep out of work.



Nash: Industrial revolution was a failure, people still have to work."



Rehner: Oh Ice man.



Legend ● - knothole (one for each member)
 ☪ = Log, or St. Pat's board.

What is this? This St Pat's board. What is St. Pat's Board. St. Pat's Board is a political "faux pas". Membership is hereditary. Their insignia is W.W.W. (Work won't win)



Palmer: Hendrix Hall TUTOR

Gentle (for our safety, we trust so) Reader: Our Phantom's journey has ended. Can anyone wonder why he shuddered? Such sights, such sounds are enough to shatter even the constitution of a spirit, trained though it might be by former red-blooded years in the Engine School and hardened since by the fires of his eternal home. Behold him as he turned to go, disillusioned, disappointed, his frame shaken by sobs of despair. The Styx will seem a pleasant place to him now by comparison with what he has seen. Let us hope that he will rest content not to return; for, by the looks of things, a sight of the present freshman class when it reaches so-called maturity would overcome him completely.



(B L A R N E Y)

Chaperon: "Nice young girls should not hold a man's hand."

Co-ed: "Oh yes. Nowadays a nice girl has to hold a man's hand."

Tom Rodhouse (at zoo, looking at stork): "I really believe he is trying to see if he can remember me."

George Crow seated himself in a dentist's chair. He wore a wonderful shirt of striped silk and an even more wonderful checked suit. His shoes were a loud tan, and he wore a bright red tie. He had the vacant stare that goes with these.

"I'm afraid to give him gas," the dentist said to his assistant.

"Why?" asked the assistant who was attending him.

"Well," said the dentist, "how will I know when he is unconscious?"

She calls her friend Pilgrim, because he makes so much progress.

HE MUST CARRY A SHAMROCK

Ham: "How's your new girl?"

Sam: "Not so good."

Ham: "You always were lucky."

We are told that it was a good thing that Jones, Shainberg, and Cooper made Tau Beta Pi before "Honey Bunch" came to town.

Since, with Bill Tiffin, any change in appearance is an improvement, we congratulate and thank him for his efforts to grow a mustache.

Advice to those who find Weinbach's method of study to fail—try the induction method, by placing the book under your pillow.

CLASS IN HEAT B.

Varnum: "I sure can't get that formula in my head."

Hollander: "Smatter? Plenty of room."

THE YEAR'S HAPPENINGS.

- Sept. 11.—Freshmen register. Crow came back early in order to open Schooley's office.
- Sept. 12.—Registration for The Students.
- Sept. 13.—Yearlings provide entertainment before Jesse Hall.
- Sept. 15.—First Heat B. Class; all electricals did not take Water Power.
- Sept. 19.—First Club meeting. Crow wields the bung starter, and Bosch puts up a touching appeal. Senior class meeting immediately after the main show—an electrical landslide takes place.
- Sept. 20.—Campus squad posts detour notices.
- Sept. 21.—First riding classes—new horses and new men at least start off together.
- Oct. 16.—Piggy Williams discovers that Westall is taking Graphics at eight o'clock.
- Oct. 19.—Mother and Dad arrived in town for the Parents Day Celebration.
- Oct. 26.—“SHAMROCK” contribution box placed in the hall.
- Oct. 27.—Nebraska beats Missouri. And Howell!
- Nov. 4.—Drake takes the curl out of the Tiger's tail—our first defeat in the new lair.
- Nov. 6.—Election Day; Bob Glenn gets the boot for wearing a Smith button in the Heat A. Lab.
- Nov. 8.—First Engine Club Smoker. Between smokes we gave the Tigers a royal send-off to the Aggie game.
- Nov. 9.—The “SHAMROCK” Staff has its first meeting.
- Nov. 10.—Our football team lost to the Lawyer-Education combine. It isn't in a lawyer to shoot square.
- Nov. 18.—New York U. was too “Strong” for the Bengals.

(B L A R N E Y)

- Nov. 22 —Contribution box opened; nothing but cobwebs.
- Nov. 24.—Homecoming Game. A pleasant time was had by all.
- Nov. 26.—The Senior Mechanicals visit St. Louis on an inspection trip. Joe Graves attended the Garrick.
- Nov. 28.—Thanksgiving Holidays. Graphics scabbers stay spending spare seconds scabbing.
- Dec. 4.—Professor Gass puts Tiffin, Armstrong, and Pettker straight on the right meanings for wrong words.
- Dec. 6.—Hurray! First joke in the contribution box, and of course a Scotch one.
- Dec. 10.—School suddenly closes on account of epidemic. Chinn still wonders why they didn't hold the Algebra class the next day.
- Jan. 3.—Classes resumed.
- Jan. 4.—Last night for Mechanics problems—more trading operations performed than in a pawn shop.
- Jan. 19 - 26.—Final examinations. Nuff said.
- Jan. 29.—Registration for the second semester. Chinn decides that he had better sleep out of classes so he takes only ten hours.
- Feb. 4.—Gene Stalker and Brute Westall finish Graphics.
- Feb. 20.—“SHAMROCK” goes to press without the Blarney section being censored by the occupants of the electrical design room.
- Mar. 16.—St. Pat's Ball—when the clock struck eleven the Staff was seen rushing out the back door.
- June 1.—School closes—try to find a job!

FAMOUS STORIES OF PROMINENT PEOPLE

Otto Meyer—

Likes to tell of the one perfect score he nearly made when he ruined his boots.

Mike Bosch—

Enjoys telling of his major in pattern-making.

Ham Nash—

Delights in telling of his long past Freshman days.

Harley Jackson—

How good he is and how he got that way.

Bill Tiffin—

Is happy when enumerating beauty contest experiences.

Buzz Bauer—

Enjoys relating his coming political campaign.

Joe Varnum—

Likes to dream of what might have been.

Ben Rosenberg—

What I mean to the Math. department.

Leo Lipscomb—

Likes to tell how to be happy tho married.

Ralph George—

Enjoys relating how it feels to have "also ran."

Tom Rodhouse—

Why I like to assist Floyd Chinn.

Dwight Gordon—

Likes to tell of the advantages of a bear-skin coat.

Buzz Bauer, Ralph George, and John Washer—

How we pulled strings with the Junior Class and made the St. Pat's Board.

Wiley—

Likes to tell how he nearly became engaged.

Rothwell—

Why the engineer's glee club failed.

LITTLE EVENTS IN THE LIVES OF GREAT MEN.

The country was agog with excitement. The existing form of government was about to be overthrown.

Napoleon, at his country place, paced up and down the garden walk with his arms folded in his characteristic way. Would the people support him in his newly planned coup de etat? Would the Chamber of Deputies swing their support from the old regime to the one of his desires? He awaited the news from the Chamber of Deputies with impatience mixed with anxiety. Should he flee to Italy or go to Paris and proclaim to the empire a new government with him, Napoleon, as the emperor? Would the present emperor attempt further to stand in his way or would he submit peacefully to exile?

At last! A messenger approaches, his horse frothing under the oppressive sun and the long journey. The messenger swung from his horse before he had fully halted, and the message was delivered to Napoleon with a finality that made history. Quickly and nervously, Napoleon unrolled the message. Was this the end of his years of planning or was it the beginning of his life-long realization? The long awaited word had come! The Deputies had swung their support! Again and again Napoleon read the message through. "Sit tight," it read, "The Chamber is behind you. Whatever you choose to do, we will carry it out."

Heat A. Student: I can't remember the name of the engine to test.
Hot Wad: All our engines start with gasoline.

LaRue: Your answer reminds me of Quebec.
Student: How come?
LaRue: It is built on a bluff.

Voice on Phone: "This the weather bureau? How about a little shower this evening?"

The Pestered one: "'Sall right—go ahead and take one if you need it."

(B L A R N E Y)

WHEN

When George Crow learns to conduct an engine meeting,
And Mike Bosch ceases to think he can sing,
When Floyd Chinn declines a nomination,
And Gene Stalker sprouts wings,
When Otto Meyer loses his military discipline,
And Rosenberg stops shooting the bull,
When Beckner loses the idea that he is God's gift to women,
And Buzz Bauer quits using his political pull,
When Palmer arrives at a staff meeting on time,
And the Electricals quit thinking they're the cream of the school,
THEN perhaps we will have a new engine building, for this one isn't fit for the
Mules.

Advice to Freshmen: If you desire an office, be an electrical. Statistics prove that 99.44% of the offices are held by electricals.

A TOAST

To those students who unconsciously helped to make this annual a success.
We cannot forget——

- the large group of unidentified engineers who filled the contribution box so full of jokes and original ideas that it had to be emptied twice a day.
- the gentlemen (?) who contributed jokes not fit for publication.
- the gripes who came into the office on our busiest day and asked us to let them censor the Blarney section.
- the pest who brings in a good cartoon or photograph several days after the book has gone to the engraver.

(B L A R N E Y)



AND THEN WE WORKED TILL



AT THE SMOKER

IT SPEAKS FOR ITSELF



THE PRIZE



INTREPID SOULS



DEAR COACH



SENTINELS OF THE NIGHT



Highlights

OF '29



IT'S THE GASS LAB. NOW.



KEEPER OF THE ARCHIVES

(B L A R N E Y)

AN ENGINEER'S DREAM

The shamrocks were growing on Broadway,
Every co-ed an Irish colleen;
Our building was tall
Like an old Oxford hall,
And the columns were all painted green.
The Hinkson looked just like the Shannon;
How true and how real it did seem,
The mules were all braying,
Old Switzler's bell swaying,—
It was only an engineer's dream.

—R. P. Burke.

Mathematics á la Newton

It seems that Newton liked to do things differently.
On an examination at Cambridge he was asked the question, "Prove that ten is even." His proof follows:

$$\begin{array}{r} \text{Subtract } 6 = \text{SIX} \\ \quad \quad 9 = \text{IX} \\ \hline \text{Subtract } 3 = \text{S} \\ \quad \quad 7 = \text{SEVEN} \\ \hline 10 = \text{EVEN} \end{array}$$

—Q. E. D.

We still don't see what this has to do with apples falling from trees.

EVOLUTION

Darwin said, "Man sprang from monkeys."
After glancing at the present Freshmen class, we would judge that some didn't spring far enough.

ELECTIVE

A fraternity house sent its curtains to the laundry.
After two or three days the neighboring sorority sent a note:

Dear Sirs:

May we suggest that you buy some shades?

We do not wish to take a course in anatomy.

The fellow who had left his shaving to answer the door-bell sent back the following:

Dear Girls:

The course is optional.

YE EDITOR'S RESUMÉ OF COURSES.

Trigonometry, algebra, analytic geometry—

Wherein one pursues the wiley and elusive x , which always was, and to us always will be, unknown.

Calculus—

It took Einstein ten years to produce the relativity theory, yet in this course, in the simple integration of $x dx$, hopeful students obtain results that ten Einsteins could not have produced in one hundred years.

Physics—

This course, which is aptly named, must be taken to be appreciated.

Military—

Along with agriculture, another big farce.

English—

The test of the true engineer. No to-be-successful engineer makes above I in this course.

Technical Writing—

This course has a better future than past. Formerly the Senior's Waterloo; now passable.

Surveying—

In this course, territories are surveyed that no transit or level was ever designed for.

Materials of Construction—

There are no difficulties in this course. In testing materials, the interesting fact is discovered that no materials tested are as hard as the student's heads.

H-y-d-r-a-u-l-i-c-s—

The "dam" course.

Water Power—

One way to evade Heat B.

Ruts and Pavements—

Where the Civils complete their 8-hour sleep.

Sanitary Problems—

You don't appreciate this course until you get into the fresh air.

(B L A R N E Y)

Mechanics—

"Daddy's" course. 'Nuff said.

Heat A—

Recently installed the honor system. There are also other humorous details. No student can pass this course unless he has heard those magic words "Get Out!"

Heat B—

Who said Lincoln freed the slaves?

Electrical Machinery—

A shocking course in sarcastic comment.

Mechanical Laboratory—

Four hours in class and forty-four hours out.

Telephony—

A phony course.

Physical Chemistry—

Where the chemical engineers hold up the bottom of the class.

Principles of Chemical Engineering—

A pipe-fitter's course.

Pattern-making—

"All cores are not in apples, Freshie!"

Forge and Machine—

All work must be planned. All plans must be short and concise.

Drawing—

Wherein we learn how to appreciate curves.

Graphic Statics—

The scabber's course. Open shop only.

Economics—

Wherein you learn to be a Democrat, or flunk.

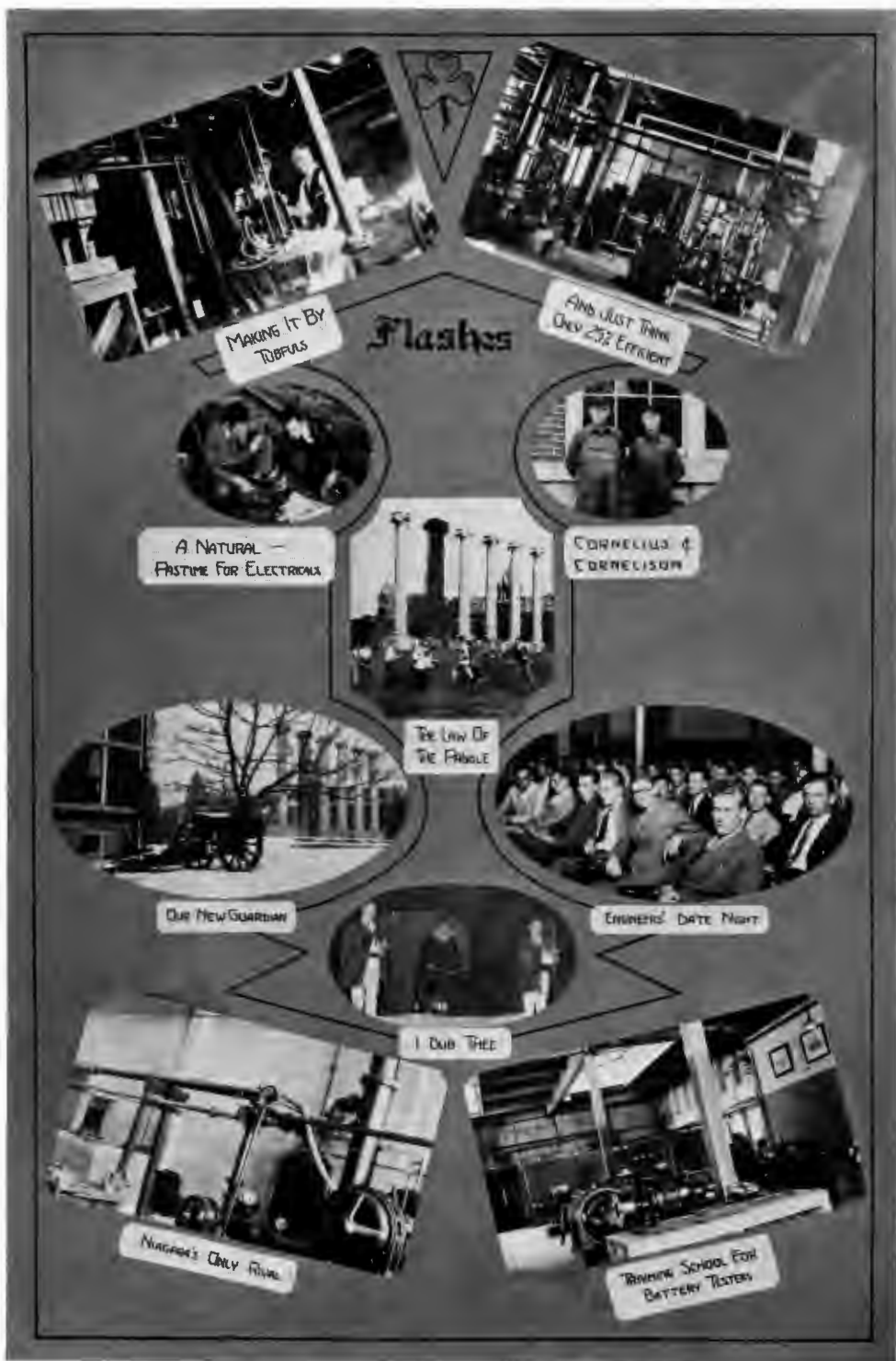
Factory Production—

Where students make tools to replace those they swipe.

Alternating Currents—

Weine in his glory.

The staff suggests a course be given in "How to sleep for 24 hours (credit)."



Flashes

MAKING IT BY TUBULUS

AND JUST THINK ONLY 23% EFFICIENT

A NATURAL — PASTIME FOR ELECTRICIANS

CORNELIUS & CORNELISUM

THE LAW OF THE FABLE

OUR NEW GUARDIAN

ENGINEERS' DATE NIGHT

I DID THIS

NAGAN'S ONLY FIVE

TRAINING SCHOOL FOR BATTERY TESTERS

(B L A R N E Y)

AN ENGINEER'S TRAGEDY

or

A BAD BREAK FOR BILGE

Listen, young fellows, and you shall hear
The tragic tale of an engineer,
A one-track mind with a single thought,
An engine queer, and the woe it brought.

Young Bilge, poor fellow, an Ozark lad,
He had ambition, he had it bad.
A prodigy he in physics and math,
And a shining light in virtue's path;
At the Engine School four years he spent
Of the most praise-worthy accomplishment.
But he, young Bilge, unsatisfied,
Tortured in soul by devouring pride,
Ate out his heart in the long spring days
And longed for renown and the wide world's praise.

At last in a fever of frenzied thought,
Determined to shine, no matter what,
He set his high-powered brain to plan
A work to bring wonder to every man,
A St. Pat's marvel, a thing of skill,
A machine to perform its master's will.
Drawing paper and pencil he took,
A big log table and a small math book,
And wove in an intricate vast design
Many a circle, many a line;
Used up completely and threw away
Two French curves in a single day;
Inks in five colors, stiple and hatch,
Five dimensions and shadows to match.
Patterns he made and gears by the score,
Pistons he had, a hundred or more,
Arms that would run at a frightful rate,
Turn corners, mark time, and reciprocate;
Valves that would play a trombone duet,
With a solo attachment that played cornet;
And double-back-action self-truing bars,
And whatchamaycallits to beat the cars;
Pulleys that pulled, fly-wheels that flew,
Riders that rode as cow boys would do.
One gadget would do you up ergs in sacks,
While another worked out your income tax,
Fix a decimal point in a slide rule reading,
Do cross-stitch patterns and fancy beading,
While another device that worked by key
In integral calc could evaluate C.
And so on. The number of things he invented
Would have driven an Einstein half-demented.

At last comes the eve of St. Patrick's Day;
The engineers' stunts are on display,
And people gather from far and near
To see if Bilge, the engineer,
Is really the mathematics whiz,
The genius that he says he is.
Rumor had hinted what they might see,
And they wait in nervous expectancy
For Bilge, the master mind, to come
And start his engine and make things hum.

Now Bilge appears. A silence falls;
No sound re-echoes in the halls.
He smiles and bows with easy air
As if 'twere nothing to be there,
To be the center of attention,
Inventor of a great invention.
And then, as to his closest friend,
How kindly does he condescend
To tell his engine's how's and why's,
And what they'll see who use their eyes?
"And now stand back," he says, "and learn
What happens when this crank I turn."
He turns a crank; the wheels go round,
A rumble's heard that shakes the ground;
Knobs and rods jump out and in,
The whole darn thing begins to spin!
But Bilge, poor fellow! Where is he?
The watchers do not wish to see.
A vacuum from the erg-sack spout
Had drawn him up, and poured him out,
A part in decimal slide-rule readings,
A part in fancy patterned beadings.
Yet faster had the engine spun,—
Perhaps forever 'twould have run
But that it choked on Bilge's brain,
Stopped, and would not go again.

And thus at last was he epitaphed:
"Here lies a fellow, good but daft;
His life-curve's graphed,—but what a graft!
He had an air, but died of a draft."

The moral's this,—he who reads may run,—
Never do what can't be done.
A few tricks on this dizzy sphere
Cannot be done by an engineer.

—N. K. T.

(B L A R N E Y)

When Wayne Lowry, agricultural engineer, first saw the new depot in Chicago, his exclamation was: "Gosh! but this place would hold a lot of hay."

Senior Engineer: When Professor Gass asked you if you liked "Omar Khayyam" you shouldn't have said that you never drank it.

Junior Ditto: Why not?

S. E.: Because it isn't a drink, its a cheese.

"Get hot 'mu'", said Bob Baker after futilely spinning the wheel on his cigarette lighter.

Have you heard about our intelligent civil engineers? One of them was sent out to put a rod on the water table, and ended up by doing a handstand on the "bird bath." For particulars see "Doc" Riess.

Fond Mother: Did you go to St. Pat's Ball, dear?

Fair Co-ed: No, Mother, I broke this shoulder strap playing tennis.

"A good artist," said Nutting, "can turn a happy face into a sorrowful one with a few strokes."

"That's nothing," replied Rehbein, with memories of several whackings in the freshmen line, "The Campus Squad can do it with one!"

Mrs. Hurty: How did you ever tell those Anderson twins apart?

Weinie: Oh, easy. One had his appendix removed.

How come Larry Weiser made three Tau Bet keys and still doesn't wear one?

HYDRAULICS

1 pint----- 2 quarts
2 quarts ---- 1 fight
1 fight ----- 2 cops
2 cops----- 1 judge
1 judge----- 30 days

ENGINEERS!!

*The Business Firms who have advertised in these pages
have made possible the production
of your annual.*

Help them as they have helped us!!

STYLE and QUALITY

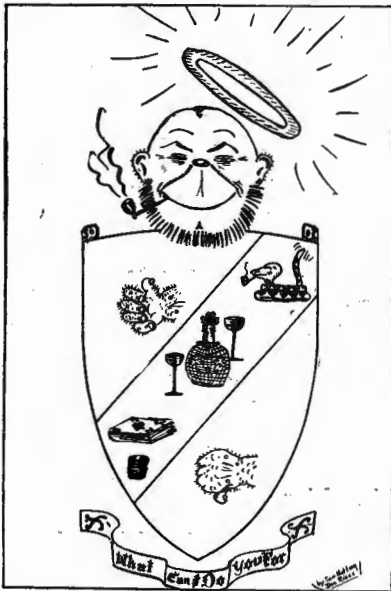
in

Spring Suits

\$20 to \$45

HIGBEE AND HOCKADAY CLOTHING Co.

One Price Cash Clothiers



The insignia represented on the left is a suggested design for St. Pat's crest. These crests were to be given away with the green jackets which several of the senior engineers were going to wear. However, since the green garment idea failed, the "Shamrock" has decided to allow the public to view the crest of the engineers.

NEWMAN HARDWARE AND STOVE COMPANY

Columbia's Complete Hardware Store.

21 N. 8th

PHONE 234

**Art
Quality
Freshness**

These three requisites are included in all Mueller floral bouquets and decorations because

"We grow our own"

H. R. MUELLER, Florist

Member F. T. D.

STORE GREENHOUSES

16 S. 9th West Blvd. & Ash

Hot-Wad: George, you have almost convinced me I'm a damn fool myself.

George: Well, I couldn't come right out and say it, sir.

Eddie—Look, Ma, the circus has come to town; there's one of the clowns.

Mamma—Hush, darling. That's just a college man.

Levy's Shoe Store

Levy's

Footwear for Fashionables

HOSIERY

SHOES

806 Broadway

BOONE COUNTY COAL CO.

Dealers in High Grade Fuels

Phone 88

Phone 88

Gass (in Tech Scratch): How would you punctuate this sentence—"A beautiful girl went down the street?"

Tiffin—I'd make a dash after the girl.

Judging by the number of fur coats that turned up on the campus during the cold weather, it is evident that the Missouri Co-eds are very adept at the old skin game.

814 CAB CO.

Lowest Rate—Finest Equipment

DRIVE IT YOURSELF

Special rates on

country trips.

*Good Taste
and Skilled Craftsmanship
in Photography
Parsons Studio*

Answers to Your Questions

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WEBSTER'S COLLEGIATE

The Best Abridged Dictionary—Based Upon

WEBSTER'S NEW INTERNATIONAL



What is the meaning of *aviette*, *bakelite*, *psoriasis*? Who is *Benevente*, *Fabre*, *Galli-Curci*? Where is *Le Morte Homme*, *Kenya*? These are some of the countless questions answered here. 1256 pages; 1700 illustrations; printed on Bible Paper.

See it at Your College Bookstore or Write for information to the Publishers. Free specimen pages if you mention this paper.

G. & C. MERRIAM CO., Springfield, Mass.

Mother was unpacking Floyd's suitcase and found a pawn ticket hanging upon his coat. "Floyd, what is that tag doing on your coat?"

Floyd: "Oh, I was at a dance, Mother, and checked my coat."

A moment later she came upon the trousers similarly tagged. With a puzzled look, she inquired: "Floyd, what sort of a dance was that?"

Jackson: "Who was that ugly mamma I seen you with last night?"

Crow: "Whattaya mean ugly? Don't you know that beauty is only skin deep?"

Jackson: "Yeh? Well the next time you take her out you had better skin her."

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Prof. Weinbach: "Vy don't you answer my question?"

Gorsuch: "Why, I did, Prof.; I shook my head."

Weine: "Vell, you don't expect me to hear it rattle vay up here, do you?"

Personnel Scout from G. E.: "How about this man Jones, is he steady?"

Duke Lanier: "I'll say he is. If he were any steadier, he'd be motionless."

"Hey, Mister, your engine's smoking."

"Well, it's old enough to."

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This is how the newspaper reporter explained a ruptured hose:

"Difficulty was experienced in getting water even to the eighth floor because the downward pressure of the water resulting from gravity meeting the upward pressure from the fire engine caused intense strain in the lines of hose which burst one after the other and had to be replaced."

—Power.

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Nash—What is osmosis?

Bosch—Wasn't that the guy that led the children of Israel out of the Promised Land?



Phone 194



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PHONE 709

Prof. Ingold: Well, there's not so many here today, let's call the roll. Adams, Anderson, Brooks—

Class—utter silence.

Prof. Ingold: What's this? Let's see—what time is it? Oh—10 o'clock, well I'm an hour too early—good morning, see you next hour.

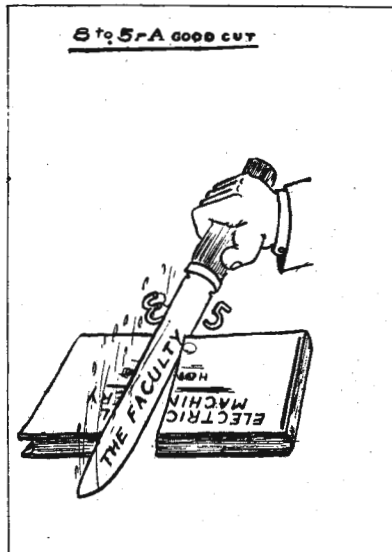
LeMert is again conspicuous by his absence.

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BEDTIME STORY FOR ENGINEERS

In the valley of Calculus, close by the River of Arsenic, lived a little slide-rule by the name of Log-Log. Little Log-Log went out hunting for integrals one day, armed with his trusty double-barreled Lefax. After looking for tracks for a long time, between the limits of zero and raspberry pi, he suddenly came upon a wild integral feeding on a dyne bush. The ferocious integral became enraged at the interruption and charged at poor little Log-Log. As he came thundering through the dense under-brush (density is inversely proportional to the square of the distance from negative infinity) he roared and growled his battle cry of "Heterodyne your signals to one frequency." Little Log-Log stood ready with his Lefax, and was prepared to use his self-spilling fountain pen in case of a hand to hand struggle. As the charging integral came within ten millimeters of where little Log-Log stood, Log-Log pulled all 27 triggers and fired into the integral's third quadrant. The enormous power of the Lefax, which was heavily charged with trigonometric and logarithmic tables, spun the integral about his y-axis and sent his moment of inertia flying along a sine curve into the fourth dimension. Little Log-Log restored his trusty Lefax to his brief case and oscillated along the path to his home. His supper of broiled ohms and ionized ampere soup were waiting for him. Now, if you are all good little engineers, maybe Uncle N. G. Neer will tell you some more adventures of the little Log-Log.

The big day was on. The wonderful gigantic bridge connecting two of the country's largest cities was being formally opened. At the height of the celebration, when thousands of people had thronged onto the bridge, the center span—with a crash to be heard for miles—fell into the river, a twisted mass of girders and human bodies.

The frenzied engineer, standing at the river's brink, madly beat his chest with his slide rule and cried with great anguish:

"Ah me, ah me! Damn that decimal point; I knew it was in the wrong place!"

Ben Rosenberg: Fadder, buy me dot electric train.

Fadder: No, Ben, here's a nickel, take the street car home.

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through *The Shamrock* in years to come
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Kruse: Which one do you mean?

Shall we join the ladies?

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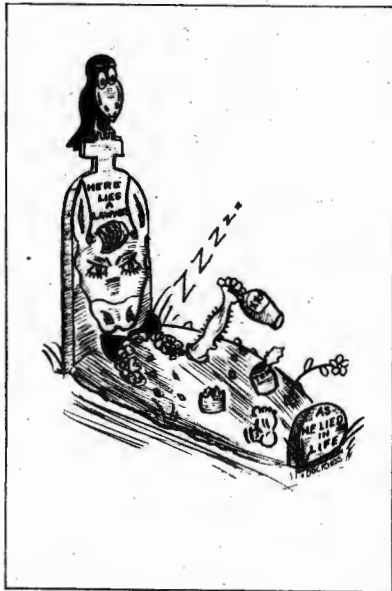
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Phone 2

Cor. Eighth and Cherry

Fools may sing of hearts and love
And eyes and cheeks and hair,
Write sonnets to a woman's glove,
And swear her wondrous fair,
Bah! She's an artificial thing,
All powder, paint, and lipstick,
But listen to the song I sing,
And Hail! My love, the slip-stick

Women are babbling all the time
Of dates and drinks and dresses,
Which wouldn't help at all when I'm
Computing torques and stresses.
It conquers without fear or doubt
Whole hosts of sines and surds,
And helps me work in peace without
An avalanche of words.


Slide-rules are always accurate,
Women never so;
And 'tho they're not affectionate
They never answer "No!"
So hence with women's wanton ways,
With eyebrows, lips, and curls;
My little log-log polyphase
Is worth a dozen girls.

We honor your check (for the amount written over your signature) without question, and don't insult you by requiring your house address, phone number, date of birth, etc. We don't cash your check all semester, then refuse that courtesy the week before the holidays or towards the end of the term. We believe in you, but caution you not to betray our confidence.

—GIVAN

It appeared that Nash was stranded on the 12th floor of a building which was under construction. The foreman, on being told this, called up to "Ham," "Come on down the same way you went up."

Ham came back with, "The Hell I will; I went up head first, but I'm not coming down that way."



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"Not a damn one!" was the clinching answer.

Some coal is like that.

—Power



Phone 114

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IT'S A THOUGHT WORTH WHILE!

Wesley Blackmore

The Big Boss (looking over drafting room): "That new fellow from Missouri seems to be tending to business. He isn't shooting off his face like most of these other draftsmen. I like a close-mouthed man."

Chief Draftsman: "Oh, he isn't close-mouthed, boss; he's just waiting for Pete to bring back the spittoon."

Capelli (Bolt out of a clear sky): "They're talking of steam heating the highway to keep the snow off."

Piggy: "Huh, what's that got to do with the question? And anyway, it'd take more hot air than you've got."

A pessimist—A man who looks for a splinter in a club sandwich.

(B L A R N E Y)

PLYMOUTH AND CHRYSLER

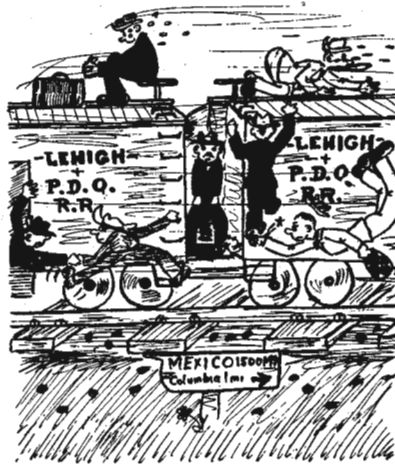
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THE STAFF
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Artist: "What of it, you don't want to appear conspicuous, do you?"

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The Staff of the 1929 SHAMROCK has endeavored to produce a publication worthy of such an organization as the Engineers' Club. We wish to take this opportunity to thank those who helped to make this issue possible.

Florien P. Gass, our new instructor in Technical Writing, offered several suggestions and articles.

Richard P. Burke helped us a great deal with his poetic contributions.

We are also grateful to those engineers not on the Staff who offered their time and services in helping us edit this annual.

—THE STAFF.



THE END

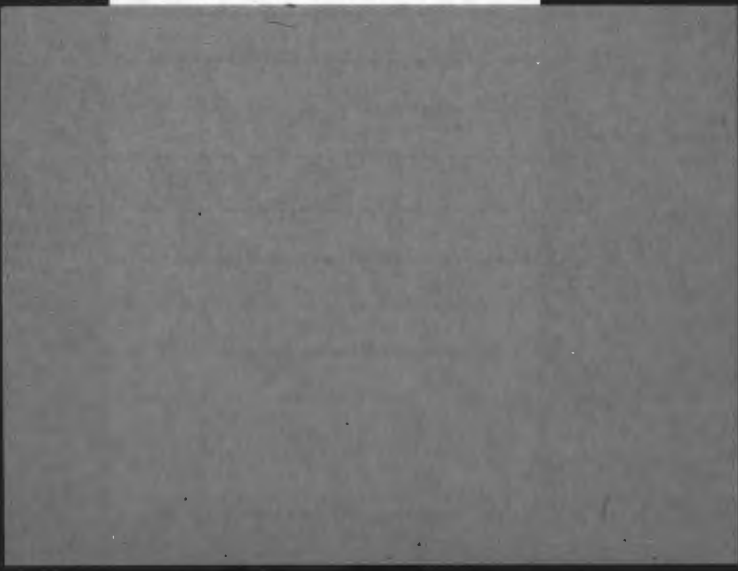
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Content type Text / Text with images
Source ID 010-011470339
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Date captured March 2020
Scanner manufacturer Fujitsu
Scanner model fi-7460
Scanning system software ScandAll Pro v. 2.1.5 Premium
Optical resolution 600 dpi
Color settings 24 bit color
File types tiff
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