



07 Nov 1952

## The Missouri Miner, November 07, 1952

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# THE MISSOURI MINER

Missouri School of  Mines & Metallurgy

VOLUME 39

ROLLA, MO., FRIDAY, NOVEMBER 7, 1952

NUMBER 7

## ALUMNI RETURN TOMORROW

### Sigma Nu and Kappa Alpha to Celebrate Fiftieth Anniversary

#### Sigma Nu Plans Big Celebration for 50th Anniversary

By Duke Ellis

The Gamma Xi Chapter of Sigma Nu will celebrate its Fiftieth Anniversary on the campus of the Missouri School of Mines today and tonight. At 3:00 P.M. this afternoon there was a "Get-together" Party at the Chapter House, which gave all the Alumni and Active members of the Chapter a chance to get together and get acquainted. After the party there will be an Anniversary Banquet held at the Hotel Edwin Long. About 175 people are expected to attend the Banquet tonight.

At the Banquet, Toastmaster Don McCormick will introduce the speaker and the guests. Don McCormick, who is a future father, was a very active member of the chapter. Among many things he was the Business Manager of The Miner. Mr. McCormick is now with the Shell Oil Company in their Research and Development Department. Mrs. Marion McCormick, Don's wife will accompany him to the Banquet.

The main speaker will be Professor Sam Lloyd the Chapter's Faculty Advisor. Professor Lloyd is noted for his excellent speeches and this occasion will see him at his best. Accompanying Professor Lloyd will be his wife, Mrs. Lloyd and their son, Sam Lloyd, Jr., who is also a Sigma Nu.

Also present at the Speaker's Table will be:

Mr. Lou Roth, Vice Regent of the Sigma Nu Fraternity, and his wife Mrs. Roth; Mr. Dillard C. Wood, the Chapter Visitation Officer; Mr. Curtis Wilson, Dean of the Missouri School of Mines, and his wife, Mrs. Wilson; Mr. Ray E. Hoffman, the oldest Alumni present who will also be celebrating his 50th Anniversary as a Sigma Nu; Mr. Chester McCaw, President of Board of Trustees of the Chapter; Mr. Nevada A. Ken, Commander of the Chapter, and Mr. Connelly Sanders, Alumni Contact Officer, and his wife Mrs. Sanders.

Founded on January 29, 1903, thru the efforts of Ray Rucker, John Rice, Cecil Green, Glenn Morgan, Royal Webster, John Clary, Owen Ambler, B. C. Wyman, Charles Landreth, Charles Smith, John Keenen and Charles Hummel, the Gamma Xi Chapter of Sigma Nu was the first fraternity on the campus of The Missouri School of Mines. Since then Sigma Nu has been active in every Scholastic and Athletic phase of the School and have also participated and cooperated with the people in the town of Rolla. The Chapter has grown from just twelve men to the present five-hundred and one.

This Anniversary promises to be a Gala event on the Campus. Mr. Alpine Kent says that they expect about 85 Alumni and their wives. Predominant will be Alumni from the classes of 1923-1925. Mr. Ray E. Hoffman, the oldest Alumni present, will be presented with a gift. Ray Hoffman was the first pledge to be initiated after the first twelve members had been installed in 1903. Mr. Dillard Wood is also celebrating his 50th Anniversary as a Sigma Nu.

#### KA Expects Large Alumni Group for Homecoming

This weekend marks the end of fifty years of progress for Beta Alpha of the Kappa Alpha Order. During these years, many of our alumni have shown that the training and the traditions learned here at M.S.M. have not been wasted. A majority of the alumni have added materially to the engineering world, while others have reached positions of leadership. Some of these outstanding men who usually return for Homecoming are: J. J. Brown and P. K. Horner, the only two living charter members left of this chapter, G. A. Easley, who received an Honorary Ph. D. in Engineering from this school in 1938, and J. R. Kenney now a large contractor in Canada. To our alumni, and especially to these men in particular, we wish to express our thanks for the rapid progress our chapter has made in the past years.

Our house will be open to all Friday and Saturday night with an alumni gathering there at 9 p.m. Saturday night. A group of from 35 to 40 alumni is expected at this meeting.

As far as Homecoming Decorations are concerned, a big display is being constructed in the back yard and will be erected in front of the house sometime Friday. We hope that this display will win us at least one of the first three prizes. Among the other preparations we have made for this weekend are the redecoration of the card room and the livingroom, although we still have the bloodshot red on the livingroom walls to match our eyes.

Four new men were added to the pledge class recently, bringing the total to twelve. The new men are: Jerry Casteel, Elmer Black, Harold Rabe, and Dave Urban. Now that the pledges have enough men, a football game between them and the actives will be played next Tuesday, the stakes being as usual, a beer bust. Either way you win.

The highlight of last week was of course the annual migration of the Stephens' man hunting expedition to our campus. We were fortunate enough to entertain about fifteen of these lovely creatures for the evening. When we say entertain, we mean just that. One of the guys in the house was seen drop kicking beer cans through the basket ball nets during the middle of the dance. Later he disappeared. Of course the party wasn't complete without bootlegger Tom to keep us supplied with refreshments. He is the only man who can carry a case of beer under his suit and jitterbug at the same time.

### "PAY DAY" IN ROLLA AT THE BLOOD BANK NOVEMBER 18, 19

From the home towns of America to the battle zones of Korea, a "Flying Lifeline" spans the Pacific—precious pints of critically needed whole blood and plasma are speeded to wounded combat forces in a matter of hours, via the Military Air Transport Service.

The Red Cross Bloodmobile will be at the First Baptist Church in Rolla, Seventh and Cedar streets, Tuesday, Nov. 18 and Wednesday, Nov. 19.

Call 1020 or 1130 for an appointment.



Stephen's College's Pat Long entertains Miners at Parker Hall Auditorium with her Spanish Dance

#### STEPHENS DANCE AND CONCERT THOROUGHLY ENJOYED BY MINERS

By Nick Muscovally

For a brief period last Saturday night M.S.M. was transformed from its usual environment of physics and mathematics to one of perfume and female figures. This transformation was brought about by the Stephens College Chorus made up of 150 good looking young ladies.

The girls arrived in Rolla during the afternoon and changed into formal. At five that evening they met the men from the different fraternities and were taken by them to the fraternity houses for supper. Then later that evening they returned to Parker Hall and presented their musical program which was as follows:

Alleluia ..... Bach  
The Snow ..... Elgar  
I Love Thee ..... Grieg  
The Heavens Resound ..... Beethoven

The Concert Chorus  
Dickory, Dickory, Dock ..... Schartau

Summer Evening ..... Finnish Folk Song  
Soloist, Marjorie Smith

The Orchestra Song ..... Early Round

Sweet Little Jesus Boy ..... arr. by MacGimsey

The Sunrise Choir

Spanish Dance ..... Pat Long

My Hero from "The Chocolate Soldier" ..... Strauss

With a Song in My Heart ..... Rodgers

Janis Pabst, Soprano

Baton Twirling ..... Angelica Husted

Stephens Songs ..... Rodgers

Some Enchanted Evening ..... Rodgers

The Concert Chorus

The director of the choir was Miss Margaret Colby, and the accompanist was Betty Bruce Blakeley.

After the program there was dancing in Jackling Gymnasium until midnight when the girls had to start back to Columbia. The dance, sponsored by the Inter-fraternity Council and the Student Council, combined the smooth music of Lee Harvey and some very dim lights to produce an effect very unfamiliar, but very pleasing, to the Miner's emotions.

At twelve the girls boarded the four buses which brought them and started back to Stephens leaving the Miners with nothing but pleasant memories to get them through the long week of school ahead.

#### Alpha Chi Sigma Hold Convention; Lose Cup To St. Louis Chapter

The recent midwest district conclave for Alpha Chi Sigma was held at the home of Dr. W. T. Schrenk. Students from Washington U., Missouri U., and M.S.M. comprised the collegiate membership at the conclave. The professional chapter in St. Louis had an excellent representation accounting for their winning of the cup. This cup is awarded annually to the winner of the Professional vs. Collegiate Softball game.

Distinguished guests included: H. Schwarz, Grand Professional Alchemist; Merle L. Griffin, Grand Master Alchemist; W. T. Schrenk, Grand Collegiate Alchemist; and Dr. Chamberlin, district counselor. Among the faculty present were: Norman Smith, O. K. Lay, F. H. Conrad, W. H. Webb and R. R. Cornwall. After we lost the softball game, we appeased our appetite and of course quenched our thirst. Discussions arose telling everything about test tubes to "Life at Miz-zou." It seems as this one M. U. student is hired for a \$1.00 an hour to tutor freshman Chemistry to a Susie Stephens. Hmmm—after the temptations exposed to a Miner, he only strengthens his will power.

#### Many Guests Expected By the Rock House This Homecoming

All is serene and quiet after the Stephens influx of last week, at least it appears that way outwardly. It has been reported that several young men at the Rock House have been infected with the bug from up north of the Missouri River. After all, this year wasn't a whole lot different from the previous ones - the migration will take place immediately following Homecoming - that is, if there isn't a repeat down this direction for the Miner fete.

It's expected that there will be twenty plus Alumni visiting the homestead today and tomorrow. There undoubtedly will be several more around that nobody's heard about - they just can't seem to get the Mines out of their blood, even after these many long years out in industry. The U. S. Army will be represented by 2nd Looies John Zedalis and Jack Laytham, currently seeing the country at government expense with the Corps of Engineers. One thing sure, 807 State will be staring at the joints, but as usual, there's always room for one more. So, accordingly, we'll expect the crowd of Miners and their dates where the party is.

### Convocation, Football Game and Banquet to Highlight Homecoming

#### THETA KAP PLEDGES CHALLENGES ACTIVES TO FOOTBALL GAME

This past week-end found a mingling of smiles and sadistic looks as TKP played host to nine Stephenites. The girls all seemed to enjoy themselves and we hope that they carried back a swell impression of MSM and Theta Kappa Phi.

Halloween provided TKP with many odd looking characters... feminine, masculine and semi! One little group performed well to the strains of "Flying Fin-gers". Little do they know...

In a way it was a profitable Halloween though. Bros. Yal-laly and Soehngen went out and sang all night at an Italian grocery store. Saturday's meal—hot tamales (dry yet!), salad, and more tamales (hotter and drier).

Yesterday evening a football game was played between the actives and a challenging pledge class. The intramural field spectacle provided an abundance of thrills, spills and laughs. The actives emerged victorious but congrats go to both teams. It's a spirit like that, that'll put TKP on top.

In the intramural world Theta Kap has been practicing for the oncoming handball, basketball, and swimming events. The teams are all working hard and they'll give plenty of trouble.

The decoration committee reports that things are under control but plenty of work remains for the weekend. We hope that, for the students and alumni, this will be the best of Homecomings.

#### TEKE HOUSE IN UNUSUAL STATE OF CONFUSION

By Joel Cooksey

WARNING!! Don't go near the Teke House if you value your life! You see, everyone over at the house of the skull and crossbones is so busy working on homecoming decorations and floats etc. that they are going in a mad whirl and you are apt to get stepped on at every corner. One main reason for all the bustle is the attempt to regain the homecoming trophy. There is the usual mix up about dates for homecoming. If you don't believe it just ask Carl Wilkerson or Ray (Rip) Reschetz. These two can tell you all about date mix-ups.

FLASH—Latest results in the case of Bud Puhlman vs. attendance record. Well he's done it again folks. Yes he's left town again—destination unknown, time of return uncertain. I wonder, could it be a girl???

Bud wasn't quite smart enough this time. He should have left 24 hours earlier and he would have missed "KINGS DAY." Kings Day, as you may or may not know, is the day when the pledges run the house and the actives have to do all the work. The house, I might add, was very well cleaned. The actives had to assume all the duties of the pledges and demerits were given out to all those who failed in any of their duties. Demerits were "worked off" by the use of the paddle in the evening. With the help of the pledge president Tom Bruns, all the actives had 3 demerits (the limit) when it came time for them to "assume the position." The prize for making the most horrible face after each swat goes to Lou Astroth and the prize for the most complaining goes to Bob Beecher. Later a majority of the pledge class took

(Continued on Page 4)

#### MSM STUDENTS ATTEND TAU BETA PI NATIONAL CONVENTION

The Tau Beta Pi national convention was held in Norman, Oklahoma, on October 1, 2, and 3, with the University of Oklahoma chapter as official host. Undergraduate student delegates from all 90 chapters attended the meeting along with the national officers of Tau Beta Pi headed by President E. R. Moore, chief engineer, Detroit Edison Company. Gene Strohbeck and Bud Topel represented the Mo. School of Mines Chapter. The business meetings and social functions of the convention were held on the campus of the University of Oklahoma.

Once again the convention defeated the proposal to admit women to membership in the Association, although the chapters are still empowered to award the Women's Badge to outstanding women students and graduates in engineering. Over the past 28 years, 143 women have been so honored.

The Convention authorized the inauguration of a program of cooperative fellowships for graduate study in engineering which will be in addition to Tau Beta Pi's regular fellowship program. The new fellowships will consist of cash awards to promising and needy engineering students who want to continue their education in advanced fields. The first such cooperative fellowship, to be sponsored by the Louis Allis Company of Milwaukee, Wisconsin, and to be administered by Tau Beta Pi's director of fellowships, will be awarded for the 1953-54 school year. Under this new cooperative arrangement, the smaller engineering companies which may be interested in sponsoring graduate work may take advantage of Tau Beta Pi's experience and selection processes without major cost to themselves beyond the actual stipends paid.

The 1952 Convention adopted, unanimously a resolution in strong support of the proposal that all graduate engineers entering the armed forces be employed in a professional engineering capacity commensurate with their training and experience.

Valuable features of Tau Beta Pi national meetings are the chapter-work discussions and the exhibits at which ideas for school and community service projects and chapter administration are exchanged by the delegates, most of whom are presidents of their local groups.

Tau Beta Pi is a national engineering honor society which was founded at Lehigh University, Bethlehem, Pennsylvania, in 1885. It now has 90 undergraduate chapters in U. S. engineering colleges, 26 alumnus chapters, and almost 75,000 members. Students are selected for membership by the chapters from the top 20% (scholastically) of their engineering classes on the basis of character and service to their schools.

#### NOTICE

At the request of numerous students, a section of the north stand of Jackling Field will be reserved for those who wish to sit together as a cheering section. This section of about 150 seats will be roped off and held until just before game time.

Curtis L. Wilson, Dean.

Much planning has been done to insure the success of this year's Homecoming celebration. It looks as if this year's Homecoming will be on of the biggest and the best that has been seen on this campus in many years.

Friday evening the proceedings will be informal with only scheduled event being a "dutch treat" dinner at the Pine Room in the Greyhound Bus Depot.

Saturday morning a Homecoming Convocation will be held at Parker Hall. Dean Wilson will give the welcoming address and Mr. F. S. Elfred '17 will give a short talk. Mr. Elfred is an executive vice president of Olin Industries of Alton, Illinois.

The Class of '27 will hold a twenty-fifth anniversary luncheon at the Pine Room Saturday. The Class of '32 will also be celebrating its twentieth anniversary this week-end.

Saturday afternoon the big attraction will be the Miner's football game with Kirksville at Jackling Field. This game will decide the M.I.A.A. conference championship.

Saturday evening at seven a fellowship period will be held at the College Inn of the Edwin Long Hotel. Following the fellowship period, a dinner will be held with R. Z. Williams acting as M. C. The closing event of the week-end will be the annual Homecoming Dance at Jackling Gym.

Prof. Hershkovitz '41 and R. Z. Williams '31 acted as respective chairmen of the faculty and alumni committee that made the plans for this year's Homecoming celebration.

Following is a list of events scheduled for the Homecoming week-end:

#### Friday

10:00 AM Board of Directors Meeting in Rolla  
6:30 PM Dutch Treat Dinner, Pine Room, Greyhound Bus Depot

#### Saturday

9:00 AM Registration, Parker Hall  
11:00 AM Homecoming Convocation, Auditorium, Parker Hall—Address of Welcome - Dean Curtis L. Wilson Convocation Address - F. S. Elfred Jr. '17 Executive Vice-President, Olin Industries Inc., Alton, Illinois  
12:30 PM St. Louis House Open House, Hotel Edwin Long  
12:45 PM Twenty-fifth Reunion Luncheon of Class of '27 - Pine Room, Greyhound Bus Station, \$1.50 per plate  
2:30 PM Football, Miners vs. Kirksville State College  
7:00 PM Fellowship time—College Inn, Hotel Edwin Long  
7:30 PM Annual Homecoming Dinner—College Inn, Hotel Edwin Long \$2.50 per plate  
9:00 PM Homecoming Dance, Jackling Gym  
9:30 PM to 12:30 AM Open House for Alumni and guests—Pine Room, Greyhound Bus Station



## THE MISSOURI MINER



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## The Old Rat Hole

It was an inspiring sight to watch so many students going to the polls last Tuesday to vote. Practically half of the student body is of voting age, many considerably older. There are quite a few reasons for this situation, but general consensus of opinion would probably put sophomore physics near the head of the list.

When the smoke of the election had cleared it became apparent that the Pogist party had suffered a disastrous defeat. This poor showing has been explained in a number of ways. Some put the blame on the fact that the party platform collapsed in mid-campaign and an adequate substitute was not found until almost the end. These say the candidate's small stature lost him the election, since he couldn't be seen by the crowds while making speeches from ground level. Snide comments by the opposition on the low level of his campaign are not to be taken seriously. Some of the more radical blame the loss on etain snrdlu, but the well-informed are quite sure that it was an enormous lack of votes.

This is the time of the year when all the new 1953 model cars from Detroit appear in the show windows. Speculation runs high as to what car will have the most powerful engine, highest compression ratio, most radical design, etc. Little attention is given to the small, economical foreign cars on the market, so let's take a brief glance at a few of the better models in the new crop.

First we have the English Funkley Gadfly, a real economy car. Manufactured by Funkley, Ltd., of Dashby-on-the-Bott, Hants., it has several interesting features, not the least being that it has only two wheels. These are arranged in tandem, elimination the axle found on the side-by-side "push cart" type mounting. This makes for better longitudinal stability and greatly improved cornering ability. This last factor is very handy when you are turning a corner, as you can well imagine.

Another outstanding feature is the baggage basket, which is mounted on the rear fender. This is very handy for carrying things. Then there is the seating arrangement, which, like the wheels, is also tandem. Much can be said for this arrangement, but this isn't the place to say it.

The real economy feature of the Gadfly is the fuel consumption, which is practically nothing. It utilizes a chain and sprocket drive arrangement actuated by pedals which, in turn, are actuated by the driver. Gear shift is optional on most models but standard on the convertible, which features a beach umbrella

fastened to the handle bars.

An interesting French model is the Fouque Pfu (Cyclone). "C'est tout ensemble, un automobile magnifique," says the Fouque Company, and it sure is. There are features not found on many cars, which include jet assisted take-off consisting of replaceable CO<sub>2</sub> capsules which can be easily obtained at any drug store. These are fired in sequence by the rear seat passenger with a sharp nail. When the car reaches 5 mph, the engine kicks over and the vehicle then rapidly increases speed. The engine, which runs on compressed butane, is very compact. One serious difficulty, however, was encountered in testing the engine which have since been remedied. The butane, on expanding, froze the entire engine block solid at -100° Centigrade and stopped the car rather abruptly. With typical French ingenuity, Fouque added a small coal oil stove which keeps the engine at a safe temperature while simultaneously heating the passenger compartment . . . to kindling temperature. Fire is averted by several other ingenious devices, which haven't been perfected yet, judging from the burned-out Pfu hulks dotting the French countryside. You wouldn't want to buy this car but, as we said, it's interesting.

A new Italian model, the Igot-ta-Spugatti "Botchami", bears watching. Known in the U. S. as the "Dago Flash," this is one of the world's fastest small cars, and also one of the best looking. The engine is a radial, air cooled Wright Cyclone 9 salvaged from surplus World War II B-17 bombers — no small car engine by any means.

The Botchami has three speeds forward, two reverse, and one side-ways for four-wheel steering. This eliminates the parking problem, doesn't it.

The interior is extremely well-designed. The dashboard houses the standard instruments, grouped in a semi-circle around the ash tray in front of the driver. There is also a glove compartment to keep your gloves in.

An interesting feature is the cigarette lighter, which is on the end of the steering column and can be operated without removing the hands from the wheel. This is likely to cause a little trouble with those used to having the horn button in that position until they grow accustomed to the change. Band aids are optional at extra cost.

All in all the Botchami is one of the better of the recent crop of foreign cars being marketed in this country, although not very economical. As you can see, the foreign car field is interesting if nothing else.

## Uptown THEATRE

— Rolla, Mo. —  
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Thur., Fri. and Sat., Nov. 6-7-8  
Shows 7 and 9 p.m.  
Carlton Carpenter - Janet Leigh  
"FEARLESS FAGAN"

Sun., Mon. and Tue. Nov. 9-10-11  
Sun. Continuous from 1 p.m.  
Gary Cooper  
"SPRINGFIELD RIFLE"

Wed. and Thurs., Nov. 12-13  
Shows 7 and 9 p.m.  
George Murphy  
Virginia Gilmore  
"WALK EAST ON BEACON"  
LET'S GO TO

## The RITZ Rolla

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Fri. and Sat., Nov. 7-8  
Sat. Continuous from 1 p.m.  
Clifton Webb - Ginger Rogers  
"DREAMBOAT"  
and  
George Montgomery  
Jerome Courtland  
"CRIPPLE CREEK"

Sun. Mon. and Tue., Nov. 9-10-11  
Sun. Continuous from 1 p.m.  
Robert Mitchum - Ann Blythe  
"ONE MINUTE TO ZERO"

Wed. and Thurs., Nov. 12-13  
Bargain Night 10c and 20c  
Dana Andrews - Maureen O'Hara  
"FORBIDDEN STREET"  
and  
Joan Davis - Arthur Blake  
"HAREM GIRL"

## ROLLAMO THEATRE

— Rolla's Family Theatre —

Fri. and Sat., Nov. 7-8  
Sat. Continuous from 1 p.m.  
Charles Starrett - S. Burnett  
"BONANZA TOWN"  
and  
Eddie Albert  
"CPL. DOLAN GOES AWOL"

Sun. and Mon. Nov. 9-10  
Sun. Continuous from 1 p.m.  
Glenn Ford in  
"GREEN GLOVE"  
and  
Glynis Johns and Nigel Patrick  
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Shows 7 and 9 p.m.  
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"THE PROWLER"

"Shhh—be quiet now, because the sandman is coming."  
Junior: "Give me 50 cents and I won't tell Daddy."

Marriage is like a bath—by the time you get used to it, it's not so hot.

And there was the tugboat that committed suicide when it found out that its mother was a tramp and its father was a ferry.



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## Pikers Well Pleased With Stephen's Dates

When the word came that the girls from Stephens were here, the boys legged it up to Parker Hall to pick up their dates. They all returned very happy and satisfied with the results of the gamble. Speaking of gambling Bob Skaggs won the pot, but in the opinion of the writer Bob is a shrewd business man and he took advantage of a good and profitable situation.

The "Bird-dogs of the Week" award was tied for by brothers Don Wahl and Nick Muscovale. They both succeeded in secreting their quarry (girls) away from their previous dates. To these two men goes the bronze statue of the pointer which is significant of their mastery of the art.

The arrival of Stan Kenton in St. Louis was the cause of many of the brethren leaving for the infamous city this week-end. It seems that the boys are "gone" on progressive jazz and just had to hear the cool sounds provided by Kenton's aggregation.

Campbell Barnds with the help of his decorations committee have been working very industriously on the display for homecoming. It is hoped that his efforts will not go "down the drain" when time comes to awarding prizes.

The Homecoming celebration is going to be one of the biggest in Alpha Kappa's history. Many notables and grads will be here to help the chapter celebrate the weekend.

The word for the weekend is "Welcome Home Grads."



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## THE DU PONT DIGEST

## Production for M.E.'s

Du Pont's manufacturing side offers opportunity to mechanical engineers

The young mechanical engineer interested in production finds plenty of opportunity at Du Pont. His skills are in great demand because so many of this Company's products are made in equipment which must operate continuously on automatic controls.

More than half of Du Pont's M.E.'s are currently engaged in some phase of production work. There are three main categories.

**1. MAINTENANCE SUPERVISION.** Resourcefulness and initiative are needed in men selected for this work. Among their many duties are the scheduling of preventive maintenance and emergency repairs to minimize down time, suggesting equipment improvements to reduce the maintenance load, and estimating costs of changes or major repairs.

Normally, the supervisor establishes maintenance procedures, directs transfer of personnel from one group or area to another, and assigns duties. He sets up office and field work methods and controls the supplies of spare parts and stores.

The importance of this work is emphasized in some Du Pont plants where more men are needed to maintain the equipment than to operate it. At one plant, the division maintenance superintendent, a man with several years experience behind him, is responsible for 1,500 pieces of equipment and 100 miles of pipe. He has 120 men under him, including 10 foremen.

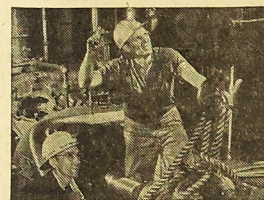
**2. PRODUCTION SUPERVISION.** Other mechanical engineers at Du Pont use their knowledge of mechanical equipment in solving production problems. They must see that raw materials are on hand, that maximum yields are obtained with minimum loss, and that the products meet



J. D. McHugh (at right), B.S. in M.E., Rochester '50, and draftsman discuss working drawings for plant equipment improvement.

rigid specifications. In addition, they must train men in proper equipment operation and maintain good personnel relations.

One area supervisor, also an experienced man, usually has charge of from 125 to 150 people, including 6 to 10 foremen.



Keeping compressors in top running condition is a typical maintenance-group problem.

**3. PLANT TECHNICAL.** Other M.E.'s at Du Pont are assigned to the teams of plant technical men responsible for process and production improvements. In this work, they help solve problems on machine design, strength of materials, control instruments, packing materials for high-pressure equipment, etc.

Actually—in maintenance, production and development—the possibilities are almost unlimited at Du Pont for the M.E. who likes the manufacturing side of industry.

HAVE YOU seen "Mechanical Engineers at Du Pont"? 32 pages of facts about opportunities for mechanical engineers. For copy, write: 2521 Nemours Building, Wilmington, Delaware.



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Sports Editor ..... N. Niemeyer

FRIDAY, NOVEMBER 7, 1952

THE MISSOURI MINER

PAGE 3

## Conway Romps for William Jewell in Third Miner Loss

Silver and Gold Hold Cardinals in First And Fourth Quarters

By Tom Bruns

A devastating ground attack, led by ace half-back, Al Conway, spelled defeat for the Miners in their most recent outing, against William Jewell, at Liberty, Mo. last Friday night. William Jewell added to their prestige as the nation's leading small college in rushing, by piling up 408 yards in particular, Conway came nearer to an All American berth by keeping up his average of two touchdowns per game.

The game started on an auspicious note when the William Jewell kickoff was fumbled. Jewell immediately racked up the first of its 23 first downs but at this point, and through out most of the first quarter, the Miner defensive squad played outstanding ball. Two plays later Weitzel intercepted a pass and returned it five yards. The Miners were forced to punt, Howard Bullman getting away a beautiful 52 yard out-of-bounds kick. Jewell punted back and after two charges by Ralph Moeller, good for nine yards, Hampel delivered a 12 yard pass to Walt Smith for the first down. The march was brought to a sudden close by a fumble. The defensive team, once again rose to the occasion and Jewell was forced to kick. On the first play from scrimmage Hampel again pitched a strike, this one to Keith Smith good for 40 yards. The spread formation was then employed and the drive capped by another Hampel to Keith Smith pass. The point after touchdown try failed but the Miners took a surprise 6-0 lead.

Rolla kicked off and it was at this point that the running game of Bob Patterson's Cardinals made itself known. Six straight first downs were chalked up by the Liberty boys, all on rushing, with Neal going over from the one. The conversion was good and Jewell led 7-6.

The ensuing kickoff was returned to the 20 by Weitzel. After Hampel was dropped for a fifteen yard loss on an attempted pass, Bullman arched another beautiful kick, but to no avail, for on the first play from scrimmage, Cook broke away for a long touchdown run. Again the point was made and the score stood at 14-6.

Jewell kicked off to the Miners, Weitzel returning the ball to the 33. After Cole had lost a

yard attempting to crack the Cardinal forward wall, Keith Smith picked up 10. An offside penalty gave the Miners their fifth first down on the 47 yard-line. Here the attack again sputtered as Jewell intercepted a Hampel pass and returned it to the 45. Seven plays later, all confined to the ground, Conway scored his first of two touchdowns from the 1. The conversion failed - score 20-6.

Again Jewell kicked off but after a 14 yard, first down gallop by the always reliable Keith Smith, a fumble gave the Cardinals another scoring opportunity. Taking to the air, Jewell found the competition a little rougher and were forced to punt. After a short gain by Keith Smith and two incomplete passes, Bullman got away another booming kick which traveled all the way to the Jewell 28. Another rushing first down, their tenth, placed the ball on the 42. Then the Cardinals, proving their versatility, connected on a 55 yard pass to Conway good for the fourth score. After the conversion was made the score read 27-6. The half ended shortly there after with the Miners in possession of the ball on their own 20.

The opening minutes of the second half saw the Cardinals taking the kickoff and marching 84 yards for a touchdown. The drive was high-lighted by a 31 yard run by Conway and a 29 yard touchdown scamper by Cook. That made the score read 34-6 and clinched the game for Cardinals. Nevertheless, even after Jewell had made the score 41-6 on a 14 yard pass to Schwaes, the Miners led by Ralph Moeller and Fred Smith came storming back for two more scores. Smith sprinted almost the entire length of the field in a beautiful touchdown run on a punt return and Moeller, in the closing minutes after Jewell had scored again on a pass to Merrell, heaved a 23 yard strike to Murphy and then, on the succeeding play, caught a 38 yard Bullman pass for the touchdown; the final score being Jewell 47, Miners 19.

It must be said, however the Miners played valiantly without the services of four key men, Roerman and Humphrey who did not make the trip, and Walt Smith and Thor Gjelsteen who were forced to retire early in the game through injuries.

This, not being a league game, had no effect on our standing. Mean-while Saturday, in another part of Missouri, Maryville upset Kirksville 28-27. Thus the Miners, by winning over Kirksville this Saturday, would assure themselves of at least a tie for the conference championship, Maryville still having Warrensburg on its schedule.

### MINERS:

All of us realize our football team is in a position of winning the M.I.A.A. crown the coming weekend with a win over the Kirksville team. Would you like to lend a hand in the victory?

Here's how:

This year there will be a reserved section in the north stands capable of seating around 150 fellows who wish to let our team know we're behind them. Let's get together all you spirited Miners and kick off the team support, give the cheer leaders something to work with.

See what that small Springfield aggregation did two week ago? They made no more noise individually than did many of us Miner supporters. "But" they were grouped together; there-in lies the difference.

Do you think our team warrants our support? If so, let's show it; fill those seats and back-up those guys out there.

Note: Avoid heated classroom discussions the balance of the week; tell the Profs. you're saving the voice for Homecoming.

## Introducing...

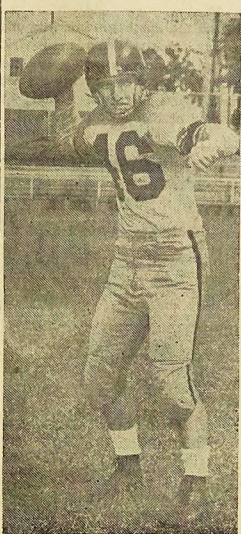


Bill Roerman

Holding a key position in the Miner backfield this year is Bill Roerman, a 195-lb. offensive fullback. Bill has demonstrated his ball moving ability by rushing 390 yards to date.

His football career began with Soldan Blewett High in St. Louis, where he lettered for two years as a halfback in addition to his baseball activities. Bill got off to a good start with the Miners in '49 by serving as half-back with a silver and gold squad that went all the way to capture that year's MIAA conference championship. In '51 he returned to M.S.M. to again letter as fullback.

Outside of Jacking, Bill is pursuing a Civil degree. He is also a member of the M-Club and Sigma Phi Epsilon fraternity. When questioned regarding his advocacy, Bill admitted his outstanding hobby is a Lark back in St. Louis.



Dick Hampel

Keeping Bill company in the backfield is Dick Hampel, 155 lbs. of quarterback. Dick is also a third year man with the Miners and is at present playing both offensive and defensive ball. His football record begins in St. Louis where he called plays for the St. Mary's High School eleven.

Scholastically, Dick is a Junior in the Ceramics Dept. He is a member of Theta Tau honorary and was a recipient of their Freshman recognition award, aside from being active with the Miner, St. Pat's Board, the M-Club, and Sigma Phi Epsilon. Dick's room mate disclosed that his only hobby is apparently letter writing.

## Miners Assured of Tie for Second Place, Need Win to Tie for Top Honors in Conference Football

### BIG HOMECOMING CROWD EXPECTED TO VIEW LAST MIAA CONTEST

By Dan Groteke

In what is the final game of the 1952 football season for the Missouri Miners, the Northeast Missouri State Teachers College will be in town tomorrow for the Homecoming celebration. This game will be sure to draw a lot of Alumni, as it is the one which will decide the final fate of the Silver and Gold in the MIAA conference. The Miners need a win to clinch at least a two way tie for conference honors. The way things stand right now, there is a three way tie for first, between Maryville, Kirksville, and the Miners. Maryville Meets Warrensburg in a game tonight, and of course the Maryville Bearcats aren't expecting too much trouble from the Mules.

Last week the Bearcats pulled a big surprise when they edged out the highly esteemed Kirksville Bulldogs in a 28-27 victory before a large Homecoming crowd at Kirksville. Maryville bounced off to a 21-0 lead in the first period of the contest. Ernie Hutchings recovered a Kirksville fumble on the second play of the game and the Bearcats took over at the 21 yard line. A 25 yard pass to Coulter, who made the catch amid three defenders at the 5 and fought his way over. A blocked kick and another pass set up the second Maryville tally and still another T.D. pass made the score read 21-0. Kirksville then scored twice, once on an 85

yard sustained drive, and the other on an end-around that went for 82 yards. Kirksville scored again in the fourth quarter to take their first lead of the game 27-21, only to lose the lead again when a Maryville back plunged across from the one yard line. After Maryville's final score, the Bulldogs were thwarted in their attempt to score by a pass interception.

It may be seen from the above account of the Maryville-Kirksville game, that the main weakness of the Bulldogs is their lack of pass defense. Maryville either scored or set up all of their touchdowns on short and long passes. With two able passing quarterbacks on the Miner roster, you may be sure to see a powerful aerial assault on the part of the Silver and Gold warriors. Practices have been increasing in length for almost two weeks now, and the Miners seem to be keyed up to the point where we may make it a complete rout.

A win tomorrow afternoon would virtually assure the Miners of at least a tie for first in the MIAA. If Maryville loses and the Miners win, we are the sole possessors of the championship crown. If we tie, and Maryville wins, there will be a tie for second honors between the Bulldogs and us. However we must not exclude the unpleasant possibility that the Miners won't win tomorrow, in which case we are still doomed to no worse a fate than a tie for second with Cape Girardeau, who meets Springfield in a game tonight. All this means that the Miners

### Notice

The Student Council has asked us to announce that the annual Homecoming Pep Rally and Torchlight Parade will not be held this year due to the prevailing dry spell.

can't come out any worse than a tie for second, even if everything goes wrong tomorrow. This is truly a team that all MSM Alumni can be proud of and rest assured that they will finish on top of the pile after the game is concluded tomorrow.

More accurate sources of information than were quoted last week, seem to indicate that the Miners will take to the field with a full roster, minus one. The only Miner who probably won't suite up, will be Pat Broadus. Matteson will most likely be out there with his ribs swathed in bandages, but doing his best to stop the Kirksville running attack. Last week, injuries were a deciding factor as three first stringers were sidelined. Jack Humphrey was left in Rolla with a groin injury, sustained in practice about a week ago. Several star linemen were injured in the first quarter of the game last week, but all will be back for tomorrow's foray.

First cow: "Where are the rest of the girls?"

Second same: "They're over in the other pasture having a bull session."

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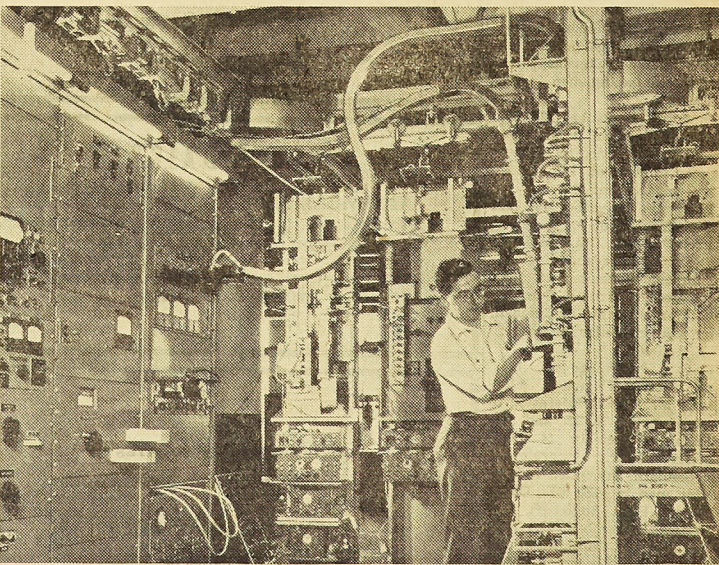
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## Where engineering and pioneering go together!



The transmitter-receiver bay unit being worked on by a Western Electric tester, is part of the complex equipment installed in the Bell System's coast-to-coast microwave relay towers. Special testing equipment is at the left.

COMPLETION last Fall of the Bell Telephone System's coast-to-coast radio relay route climaxed a production feat that involved doing many things never done before.

The engineers at Western Electric—manufacturing unit of the Bell System—were treading on uncharted ground when they tackled the challenging job of making the highly complex equipment.

This radio relay equipment—which transmits telephone and television signals at a carrier frequency of four thousand megacycles per second—called for many components never made before and for which no machinery, no tools, no assembly processes were known. Some components required almost unbelievably tiny parts—and fantastically small tolerances.

Manufacturing facilities and techniques had to be developed to assemble and wire the complicated equipment which receives signals having less than 1/10 millionth of the power of an ordinary flashlight bulb—at frequencies ten times as high as those used in television sets—amplifies these signals 10 million-fold and transmits them to the next tower some 30 miles away.

Finally, Western's engineers were responsible for installing the equipment in 107 towers across the nation.

In all phases of this job, engineers of varied skills worked closely together as a team which just wouldn't be stopped merely because "it hadn't been done before." That's typical of work at Western Electric—where engineering and pioneering go together.

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## NEXT WEEK'S INTERVIEWS

The following companies will have representatives on the campus next week to interview students for job openings.

Monday, November 10, 1952, Overseas Personnel Office Standard Oil Company interviewers, Mr. Low and Mr. Gallo, interested in contacting men in ME, EE, Chem., CE., and Min-Pet. They will also hold a group meeting in the Auditorium of Parker Hall at 8:00 a.m., Monday.

Monday, November 10, 1952, Esso Standard Oil Company, interviewers Mr. Menton and Mr. Steele, interested in contacting men in Chem., Ch.E. Met., CE., ME., and EE.

Tuesday, November 11, 1952, Oak Ridge National Laboratory operated by Carbide and Carbon Chemicals Division, interviewer Mr. Reyson, interested in contacting men in Ch.E., CE., EE., and Met.

Tuesday, November 11, 1952, Factory Mutual Company, interviewers Messrs. Cruickshank and Drake, interested in contacting men in all Engineering Departments.

Tuesday, November 11, 1952, Esso continued.

Wednesday, November 12, 1952, Oak Ridge National Laboratory operated by Carbide and Carbon Division continued.

Wednesday, November 12, 1952, Buick-Oldsmobile-Pontiac Assembly Division interviewer Mr. McGuire, interested in contacting men in ME, EE., Met., Chem. and Phys.

Wednesday, November 12, 1952, Granite City Steel Company, interviewer Mr. Klostermeier, interested in contacting men in CE., ME., EE., Chem. and Met.

Wednesday, November 12, 1952, Magnet Cove Barium Corporation, interviewer Mr. Talbot, interested in contacting men in Mining and Metallurgical Engineering.

Wednesday, November 12, 1952, The Texas Company will hold a group meeting at 4:00 p.m. in the Auditorium of Parker Hall.

Wednesday, November 12, 1952, Bureau of Reclamation, interviewers Mr. Price and Mr. Hoppel, interested in contacting men in CE. and EE.

Thursday, November 13, 1952, Union Electric Company, interviewer Mr. John Stevens, interested in contacting men in EE. and ME.

Thursday, November 13, 1952, The Texas Company, interviewer Mr. Battle interested in contacting men in Min-Pet., ME., Ch.E., EE., Geologists and CE.

Thursday, November 13, 1952, Radio Corporation of America, interviewer Mr. Bird and his assistant Mr. Bradshaw.

Thursday November 13, 1952, Commercial Solvents Corporation, interviewer Mr. McCutchan, interested in contacting men in Ch.E. and ME.

Friday, November 14, 1952, Line Material Company, interviewer Mr. Manke interested in contacting men in EE. and ME.

Friday, November 14, 1952, General Electric, interviewer, Mr. Sanborn, interested in contacting men in ME., EE., Ch.E., Met., and Phys. Engineers.

Friday, November 14, 1952, General Cable Corporation, interviewer Mr. Sanderson, interested in contacting men in CE., ME., and Met.

Friday, November 14, 1952, Commercial Solvents Continued.

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## TEKES

(Continued from Page 1)

a short tour to the homes of some of the married actives. You have never seen anything to compare with the look of surprise on John Ellis' face when we pushed our way in. Ralph Moeller's wife invited us back, but Ralph was not so quick to extend the invitation as he stood fanning his —

It should also be mentioned that a good time was had by all Tekes who attended the dance in honor of the Stephens choir, last Sat. night. Seems that several of the fellows acquired some new interests in the city of Columbia. What about it Bob Owens? Give us the low down. One tear in your beer for Bob, fellows; she couldn't come down for homecoming. Since this article is due in about an hour I guess I had better end it. See you —

Our wholehearted welcome to two new pledges, Boyd Butterfield and Carl Bieling. I hope you enjoy it as much as I do and that you get the full benefit out of the Fraternity for Life."

## Kappa Sigs to Give a Big Welcome Home To the Old-Timers

By Donn and Willie

A familiar picture will be enacted this coming week-end when the old alumni return to the campus. All will be gay and the house will ring with laughter as the actives extend the glad hand and wear the big smile. Seriously though, it will be good to see the old timers again and here's hoping they have a great week-end.

Seems Jim Eslick and D. O. Anderson have a new theme song - goes something like, "Two Loves Have I."

A new best seller has appeared on the Rolla news stands. The author wishes to remain anonymous but his work can indeed be rated with the old classics.

## Sigma Pi's Enjoy Stephens Dance

Saturday evening, as you all know, was the date of the annual visit of Stephens College to our fair campus. Our house fared unusually well, having a high percentage of "queens" among the assemblage assigned here. As usual, some fellows ended up with different girls, or with none at all, but it seems that this is to be expected. Bob Amundson, Ray Williamson, Fred Taylor, and Don Mosher (better known as "Punchy"), among others, really "made out"—so they say. So we should all congratulate them on a job well done—or something of the sort.

This weekend looked like homecoming for a while, with alumni Clyde Fink, Joe Coffman, and Tom Foster dropping in. Must have been the lure of Susie that drew them near!

Did you ever see so many kids in costume as on Friday night? There must have been a hundred visit us—we figure the word got out that the Sig Pi's were giving away pears, and that about half the kids were Miners

mous but his work can indeed be rated with the old classics. Its critics Bill Scholser and "Pofosi" Malow wholeheartedly approve of this sensational work. Title: "A Man and Two Maids."

Just a comment in closing... Big Louie Anderson of the Chicago mob has relinquished his former title and now goes by the handle of "Pe-on." Anderson. Your comments will be seen in next week's column... if printable "Pe-on."

Election bets have been put on the installment plan. Seems as though the girls might have had to pay their own expenses if the bettors would have been forced to come across right away.

walking on their knees. You guys can't kid us—we knew it all the time.

Wait till you see our homecoming display this weekend—really "zoot." You other houses may as well not even build a display at all this year, because Sigma Pi has the prize in the bag. You know it!

Alas! Another fine man(?) has bitten the dust! It seems that one Larry Kickham made his trip back from Galesburg, Illinois, a little lighter by leaving his pin with Miss Virginia Fisher, a Senior at Knox College there.



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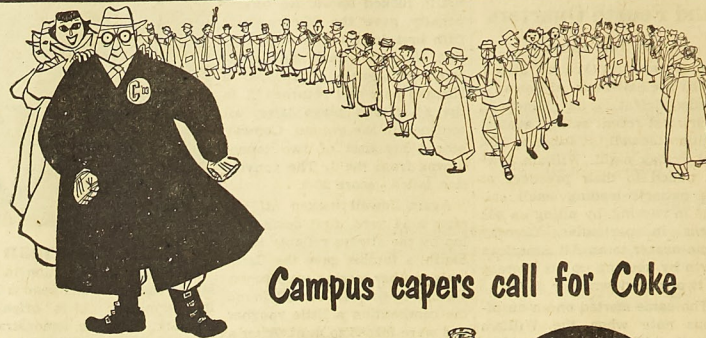
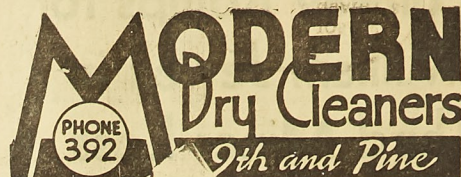
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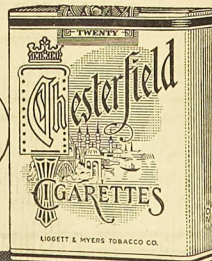
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A group of people from various walks of life was organized to smoke only Chesterfields. For six months this group of men and women smoked their normal amount of Chesterfields—10 to 40 a day. 45% of the group have smoked Chesterfields continually from one to thirty years for an average of 10 years each.

At the beginning and at the end of the six-months period each smoker was given a thorough

examination, including X-ray pictures, by the medical specialist and his assistants. The examination covered the sinuses as well as the nose, ears and throat.

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