



04 Nov 1936

The Missouri Miner, November 04, 1936

Follow this and additional works at: https://scholarsmine.mst.edu/missouri_miner

These newspapers reflect the attitudes, perspectives, and beliefs of different times. Neither the library nor the university endorses the views expressed in these collections, some of which contain images and language which may be offensive to some readers.

Recommended Citation

"The Missouri Miner, November 04, 1936" (1936). *The Missouri Miner Newspaper*. 745.
https://scholarsmine.mst.edu/missouri_miner/745

This Newspaper is brought to you for free and open access by Scholars' Mine. It has been accepted for inclusion in The Missouri Miner Newspaper by an authorized administrator of Scholars' Mine. This work is protected by U. S. Copyright Law. Unauthorized use including reproduction for redistribution requires the permission of the copyright holder. For more information, please contact scholarsmine@mst.edu.

378.778
MSM
C. 2

NOV 4 1936

THE MISSOURI MINER

MISSOURI SCHOOL OF MINES AND METALLURGY

VOLUME XXIII

ROLLA, MO., WEDNESDAY, NOVEMBER 4, 1936

NUMBER 8

Metallurgists Return From Inspection Tour

SIX MEN AND PROF. CLAYTON REPORT TRIP SUCCESSFUL

The senior metallurgists, who left for Cleveland, Ohio, on Oct. 17, returned in time to attend the Homecoming game here on Oct. 24. Messrs. Bleinlich, Benner, Culbertson, Frame, Jones, and Post made the trip by automobile and Prof. Clayton went by train. They all reported a very successful trip and visited many places of interest to their profession.

On Monday, Oct. 19, they attended sessions of the American Institute of Mining and Metallurgical Engineers and the American Society of Metals. On the evenings of Monday, Tuesday, and Wednesday they attended lectures on X-Rays.

Tuesday morning the group visited the Otis Steel Plant and witnessed the treatment of steel from furnace to sheet metal. That afternoon they visited the National Malleable Casting Company.

Wednesday morning they were present at the election of officers of ASM and heard the Campbell Memorial lecture by J. P. Gill, M.S.M. graduate in metallurgical engineering in 1908, and who is now a metallurgist for the Vanadium-Alloys Steel Company. In the afternoon they attended a lecture on the metallurgy of welding and an exhibit by the National Metals Show which was held jointly by AIME, ASM, and the American Welding Society.

Thursday morning the group visited the Chase Brass and Copper Plant and at noon were luncheon guests of General Electric at Nela Park. In the afternoon they were shown thru the General Electric experimental light globe manufacturing plant where materials, machinery, and technique are developed. The next stop included the Cleveland Wire Works where General Electric makes their tungsten wire and takes argon and nitrogen from the atmosphere to fill their light globes and to ship to other plants. The oxygen remaining, after the process of liquifying air, is used in the gasoline engines of the company to make them operate more efficiently. The glass works where bulbs are made was also visited. The group returned to Nela Park and were given a demonstration of the latest electrical household appliances.

Friday morning a lecture on the plastic deformation of metals was attended. At four o'clock that afternoon the seniors left for home and arrived in Rolla early Saturday afternoon.

M.S.M.

STUDENT DIRECTORY

The new student directory was published by the St. Pat's Board last week.

The student directory has in it the name, address, and telephone number of every student that has registered at the School of Mines. It was published for the convenience of the students.

All the fraternity houses and boarding houses have or should have one or more of these directories. If you do not have one, you may obtain one at the registrar's office.

The St. Pat's Board published the directory for our convenience, so let us support their dances. Everybody

TAU BETA PI

The formal pledging of the Tau Beta Pi was held Friday morning, Oct. 30, at the mass meeting in Parker Hall. Robert Price explained the reason for the meeting and introduced Dr. Forbes, a faculty member of the fraternity. Dr. Forbes explained "the Tau Beta Pi is a national honorary engineering fraternity and that to be considered for pledging, the student must rank in the first one-fourth of the Senior class. However the grades are not the only deciding factors in the pledging, for he must be found worthy in other respects. They are: liability, comradeship, leadership, and participation in school activities. The present members of the fraternity were selected from the upper one-eighth of the junior class last year."

Dr. Forbes congratulated the pledges and explained some of the things that Tau Beta Pi has done and what it stands for. "The fraternity has taken an interest in school affairs and will continue to do so. We feel that the student should take a special interest in things of this kind to receive a well-rounded education." In closing, he congratulated the pledges again and assured them that they would feel the honor of being in the fraternity for years to come.

M.S.M.

Millar Continues Freshmen Lecture

REMARKS KEEP ALL OF FRESHMEN AWAKE; A GREAT FEAT.

With brief, terse, straight to the point statements which awakened the assembly out of its usual Thursday morning drowsiness, Prof. Millar, Associate Professor of Biology, continued from last week his special lecture to freshmen, Thursday, on the subject of "Life". A feature and shining point of the address was that Prof. Millar's snappy remarks aroused sufficient interest among the freshmen to keep practically every one of them awake, which is truly a great feat.

Beginning without an introduction and making no attempt to make the usual definition of his subject matter, since to quote Prof. Millar, "Life can only be defined in terms of life itself", the Professor divided his talk into four well-defined groups; namely factors influencing: (1) the height, (2) the weight, and (3) the life span of a human being.

Prof. Millar stated that the average height of man is five feet eight inches, although different races vary in length of legs and trunks. The Mongolians are characterized by short legs and long trunks; while the negro has long legs and a comparatively short trunk.

According to the Biology Prof. there are two separate sets of opinions as to the factors which regulate the longevity of the human body.

"One quarter explains the differences in height of man to heredity; while another equally well informed group attributes the variance to the action of the pituitary glands located at the base of the brain. As proof for the latter's assertion is the over developed pituitary glands of the famous boy-giant from Alton, Ill.

Continued on page four

out at the next dance given by St. Pat's Board.

Roosevelt Suggests Changes in Engineering Curriculum

ENGINEERING & SCIENCE BLAMED FOR SOCIAL SUFFERING

President Roosevelt recently wrote an open letter to the heads of Engineering Schools in which he made the suggestion that the curriculum be examined and, if necessary, revised so that Engineering students might have the maximum of training in order to meet new social responsibilities. He made the statement that the impact of Science on human life is the cause for much of the suffering and social maladjustment of today, and asked that Engineering Curricula be revised to meet this situation.

"The design and construction of specific civil engineering works or of instruments for production represent only one part of the responsibility of engineering. It must also consider social process and problems, and models of more perfect adjustment to environment, and must co-operate in designing accommodating mechanisms to absorb the shocks of the impact of science.

"This raises the question whether the curricula of engineering schools are so balanced as to give coming generations of engineers the vision and flexible technical capacity necessary to meet the full range of engineering responsibility."

This letter brought an immediate reply from Dr. Karl T. Compton, president of the Massachusetts Institute of Technology, who championed the Work of Science and Scientific Institutions. Dr. Compton questioned the fact that this letter was directed solely to Engineers, especially since today "increasing attention" is being given "to the study of economics and the Social Sciences." He adds that scientists have already interested themselves in these problems, and that others would do well to follow their example.

"I cannot but wonder why your exhortation has been directed specifically toward engineers, for surely we would agree that similar breadth of knowledge and training is also urgently desirable among business leaders, economists and politicians, as is also through training in fundamentals."

Dr. Compton goes on to call the relief set-up of today a "polliative", and suggests that if science were not handicapped by this polliative, it might possibly be able to set in motion a new long range program which would result in "new employment and improved health and material welfare."

Four Points for "Concern"

Then, voicing concern lest the "pallatives interfere with support of science," he went on:

"As illustrations of our cause for concern, and of the need for broader understanding by political leaders as well as engineers, I would respectfully refer to four events.

"1. The engineering and scientific organizations of the country combined to urge that a small portion of the public works expenditures be devoted to research aimed at better designs and materials for public works for the future, in accordance with all enlightened industrial policy.

Continued on page four

IRA REMSEN

Ira Remsen, a chemical society, held a regular business meeting on Wednesday evening, Oct. 28, 1936 in the Freshmen Chemistry Lecture room.

After the business had been transacted, two senior chemicals gave a talk on their work during the summer months. G. W. Schaumburg talked about his work in the Metallurgical Laboratory of the South-western Steel Corp., Chicago, Ill. H. C. Berger talked about his work in a silver mine at Park City, Utah.

Everyone who attended the meeting enjoyed the experience of these two men, and the Ira Remsen society thanks them for their being present.

M.S.M.

Transciever Shown at Radio Club

G. E. MUELLER POINTS OUT ADVANTAGES OF 5-METER COMMUNICATION

The Radio Club held its second meeting last Wednesday night, Oct. 28th in Norwood Hall. The main feature of the meeting was a talk given by George E. Mueller, a sophomore mechanical, on a 5-meter transceivers. He pointed out some of the advantages of 5-meter communication, as for instance, this high frequency band does not carry very far and the only interference resulting is from local sources. This makes an ideal situation for local rag-chewing in large cities and thickly populated sections.

Another advantage of the 5-meter transceiver is its compactness which makes it an ideal portable unit, if so desired. The 5-meter transceiver can also be used to control long wave broadcasting transmitters, as a remote control unit.

By means of an electric lantern, diagrams of different types of ultra-high-frequency transceivers, receivers and transmitter circuits were projected on a screen and explained. A very interesting circuit was that of an oscillator-amplifier transmitter using two tubes and built on two separate chassis. Coupling between the two circuits was established by varying the distance between two coils by moving the chasis of one of the units. This gives a very unique tuning effect.

Some of the commercial 5-meter transceivers have a separately built transmitter, and a separately built receiver, all contained in the same case. With this combination, each unit operates independent of the other.

The speaker explained one of the most accurate methods of determining the frequency of a short wave transmitter. This method consists essentially of energizing two wires, with the transmitter by means of a coil arrangement. Due to the characteristics of two wires being energized by a high frequency oscillation, there will exist at each half wave a point of low voltage between the two wires. These points can be found by means of a neon tube and if the distance between them measured the frequency can be calculated.

A short demonstration of 5-meter communication was made. A one-

Continued on page four.

Electricals Attend AIEE Convention in Dallas, Texas

L. W. LOGAN PRESENTS PAPER BEFORE ENTIRE CONVENTION

Last week ten Electrical Engineering students and Prof. Lovett boarded the "Bluebonnet" bound for Dallas, Texas, to attend the Southwest District Convention of the A.I.E.E.

A total of about 500 E. E.'s and students registered at the Adolphus Hotel where the majority of the meetings were held.

The program led rapidly from one phase of discussion to another. Monday morning offered time for registration and welcome talks by Mayor Seargent and Mr. A. M. McCutcheon, president of the A.I.E.E. A general technical session and later four inspection trips were made following the welcome. The Mayor suggested the E. E.'s might have the town—they took the town plus the Texas Centennial Exposition. A joint luncheon with the Dallas Electrical Club was the initial event Monday afternoon. The majority of the students then inspected the electrical features of the Centennial Exposition. Some of the features are, namely: mobile color controls, transformer vaults, floodlights and interior lights, searchlights, WRR radio station, Midway local centers, air conditioning plants, switchrooms and sound pylons. The world's greatest display of illumination was seen at the Texas Centennial. Numerous exhibits of educational value were observed including Ford Motors, General Motors, International Machinery, and others.

Following a well attended dinner at the Adolphus on Tuesday evening a dance progressed for the entertainment of the E. E.'s. The Miners say that they never saw so many beautiful girls.

Undergraduate students from colleges in the seventh district presented technical papers. E. W. Logan representing M. S. M. gave a paper entitled "Rebuilding Single Phase Fractional Horsepower Induction Motors for Capacitor Start." Other papers were: "The effect of Copper Sulphate Treatment on Ground Resistance"; "An Electrical Wind Direction Recorder"; "A Rolling Ball Slipmeter", and "Air Conditioning". The students from M. S. M. who attended the convention were J. P. Balke, T. L. Baxter, W. A. Ford, W. R. Jarrett, E. W. Logan, J. W. McLaughlin, F. M. Mueller, A. L. Muller, E. V. Porter, and J. F. Vahle.

A general technical session for the more advanced problems was held Wednesday which brought to an end a very interesting convention. Everyone will long remember the southern hospitality extended to them by the residents of Dallas.

M.S.M.

LANDON WINS

Election day fervor manifested itself Tuesday, not only in governmental polling places, but also in Dr. Mann's morning freshman drawing class of that day. Upon a suggestion by Dr. Mann, ballots were issued and an election was held. The results were as follows:

For Landon—23
For Roosevelt—9
For Thomas—1

It certainly looked bad for the mule.

THE MISSOURI MINER



Official Publication by the Students of the
MISSOURI SCHOOL OF MINES AND METALLURGY,
in the Interest of the Alumni, Students and Faculty

1936 Member 1937
Associated Collegiate Press
Distributors of
Collegiate Digest

REPRESENTED FOR NATIONAL ADVERTISING BY
National Advertising Service, Inc.
College Publishers Representative
420 MADISON AVE. NEW YORK, N. Y.
CHICAGO • BOSTON • SAN FRANCISCO
LOS ANGELES • PORTLAND • SEATTLE

Published every Wednesday during the college year

| | |
|------------------------------------|------------------------------|
| Editor-in-Chief..... | W. R. Jarrett |
| Business Manager..... | R. G. Prough |
| Managing Editor..... | R. C. Lange |
| Advertising Manager..... | B. H. McCurdy |
| Circulation Manager..... | M. S. Alexander |
| Sr. Associate Editor..... | J. C. Moore |
| Jr. Associate Editors..... | W. R. Ruemmler, R. C. Tittel |
| Sports Editor..... | J. D. F. Evans |
| Exchange Editor..... | J. C. Radcliffe |
| Contributing Editor..... | O. K. Holman |
| Assistant Business Manager..... | E. W. Simpson |
| Assistant Circulation Manager..... | H. W. Kuhlmann |

Business
W. L. Goelkel

Advertising

F. H. Hoener

A. D. Bliss

Circulation

N. L. Peukert
M. E. Tyrrell

L. S. Lyon
L. M. O'Hara

Staff

H. O. Steinmetz
P. E. Silver
J. R. McCloskey
B. C. Compton
J. R. Glatthaar

H. F. Crecellus
C. F. Von Wehrden
E. L. Claridge
H. S. Kidd
E. H. Johnson

FACULTY ADVISER.....DR. J. W. BARLEY

Entered as second class matter April 2, 1915, at the post office at Rolla, Mo., under the Act of March 3, 1879.

Subscription Price: Domestic, \$1.50 per year; Foreign, \$2.00; Single \$c

LET'S HAVE YOUR VIEWS

There have been so many comments lately about the Transit and Winchell's Echo that thought has been given about discontinuing one or both of them. Some say that both columns cheapen the paper; others maintain they are the best items printed; still others complain that the two columns are too similar and that the same events are mentioned in both.

These two columns are the hardest columns to write in the paper. When the Transit is written by one person, it is likely to contain only items about the friends with whom the writer is associated. Where it is written by more than one person, no one takes the responsibility of getting it in.

This is your paper; if you would like to see one or both of these columns continued, write the MINER a line or two expressing your views. If this column is to be of interest to you, you must contribute to it. Whenever anything of interest comes up, write it down and deposit it in the MINER box in the Business Manager's office.

While you are at it, you might make any other suggestions you see fit. This is your paper; direct it as you wish.

EDITOR.

—M.S.M.—

THE CENTER OF ATTRACTION—STAGS

Stags, the necessary evil of every dance, are turning out in such large numbers for our dances that the space in the center of the floor which custom has given them the privilege of calling their own, is expanding so rapidly that soon those who have the good fortune of having a partner will have to dance on the elevated running track. The center of the floor is naturally the best place to dance, but with stags usurping three-fourths of it, there is little reason for any couple to attend a dance.

We have no desire to eliminate stags entirely from dances, but it does look as though these gentlemen could be thoughtful enough of those who are dancing to keep out of their way. Stags are just an ornamental around the walls as in the center of the floor. There is plenty of room around the walls which cannot be used for dancing where stags could congregate while waiting for their victims.

Perhaps at the next few dances, members of the St. Pat's Board could be stationed at the entrance to request the stags to stay near the outside of the floor instead of the middle. Also, since cooperation has helped our school to make great strides lately, it might be found successful if individuals noticing a group of stags congregating in the center of the floor would remind them that their presence would be much more appreciated near the walls.

Think it over, fellows; these are your dances.

—M.S.M.—

The man with the most decided opinions has usually had the least experience.

TECHNICAL NEWS

BY
E. L. CLARIDGE

"The explorations of space end on a note of uncertainty. And necessarily so. We are, by definition, in the very center of the observable region. We know our immediate neighborhood rather intimately. With increasing distance, our knowledge fades, and fades rapidly. Eventually, we reach the dim boundary—the utmost limits of our telescopes. There, we measure shadows, and we search among ghostly errors of measurement for landmarks that are scarcely more substantial." —Edwin Hubble in The Realm of the Nebulae (Yale).

The new 200 inch telescope now in construction is to resolve these indefinable probabilities on the fringe of our observable region into practical certainties. There is probably no man on earth today who knows more about this boundary line of human knowledge than Edwin Hubble. His researches with the 100 inch telescope at Mount Wilson have been of the most difficult, far-reaching, and successful investigations of modern science. The extreme difficulty of his work may be gathered from the passage quoted from him. In the physical laboratory, the subject of our experiment is relatively near at hand, it is comparatively easy to find all or nearly all of the probable errors, and the interpretation of the results is fairly obvious. In the field Hubble investigates, the power of his instruments are strained to the utmost to determine the facts searched for about an object that is usually over a hundred thousand light years away, where the only source of information is a feeble light ray which has been on the way for a hundred thousand years or more, affected by God-knows-what conditions in the vast spaces intervening, and recording its pregnant message in such a way that the highest interpretive ability is needed to decipher it. For instance, from the distance between two dark lines on a band of light in a photographic plate it is deduced that the object which produced this effect was receding from the earth with a velocity of a thousand kilometers a second a million years ago, when the dinosaurs roamed the earth! The way it is explained is this; it is generally known that when a locomotive is approaching one, the whistle sounds shriller than when it is passing, and lower in pitch when it is passing, and lower in pitch when it is moving away from us. Light behaves similarly; its spectrum or rainbow is bodily shifted toward the red or lower pitched end of its spectrum when the object giving off the light is moving rapidly away from us. Thus the separation between the two dark lines on the photograph represents a shift of the spectrum toward the red, and therefore a corresponding velocity away from us.

This sounds quite logical. But here is where the ghostly errors creep in. Suppose the light is, instead, reddened by dust in the intervening space? or because it has already gone all the way round our universe, as some physicist say is possible, and is tired out, so to speak? Suppose it was retarded by some intense gravitational or magnetic field on the way? And this does not touch the probable instrumental errors and the errors inherent in the method of investigation.

All this demonstrates the tremendous importance to advanced workers in astronomy of the new 200 inch, for it provides a tool at least twice as powerful, and where they saw dimly, as through a mist, before, they will then see clearly and distinctly, with their mind's eye as well as their body's.

So far, so good, you may concede. But where lies the practical usefulness of spending the hundreds of thousands of dollars required for such a huge telescope. Public enthusiasm and interest has been aroused in the casting, transportation, and grinding of the giant mirror, and some of the thoughtful ob-

servers may have asked this question. This hinges on the question of the value of pure science in general. Is an impractical, comparatively useless science, like astronomy in these advanced fields, of any value whatsoever to humanity? This is the question many young scientists must decide when choosing a profession. Some of us decided in the negative, taking up engineering as a definitely useful field of scientific work.

Pure scientific research (as it is called) is of value for this reason: That it represents a disinterested search for truth which is unifying spirit of all scientific work, and wherever does it find greater freedom and influence over the other sciences than in these same far-fetched and impractical sciences. It is this search for truth which has produced the mighty science of today, and were these useless cloud-built sciences stifled, a dry rot would spread through all research, until all science would be thought of no value, and thrown in the discard. So we say, may the new telescope prosper, and the boundary of our visible universe be extended twofold, for through its practical value be nil, its philosophical and social value is inestimable.

So, you engineers to be, grow not too scornful of these theorists, of the astronomer who watches the skies in the wee hours of the morn, of the physicist investigating the charge on an electron, of the mathematician developing the properties of some obscure mathematical series, for they are in the van of human progress, not in the rear.

—M.S.M.—

Oriental Student Attending M. S. M.

Mr. Leung Lee was born in Canton, China. He graduated in Commerce from the Taisun School in Canton, which is equivalent to graduating from an American high school. In 1931, Mr. Lee came to New York, N. Y., by the way of Japan and Canada. At his time of entrance to this country Mr. Lee had no knowledge of the English language whatsoever. Since that time, he has completed one year of grammar school and four years of high school. In those five years Mr. Lee has learned to read, write, and speak the English language. This was by no means an easy task.

Mr. Lee likes the United States much better than he likes China and especially our school system.

K
R
U
D
E



H
U
M
O
R

Bookkeeper: Are you troubled with dyspepsia?

Stenog: Only when I try to spell it.—Mich. Tech. Lode.

"Sir, may I have your daughter for my wife?"

"Bring your wife around and I'll see."—The Gold Pan.

Apartment Owner: I'm glad you stopped complaining about the plaster falling.

Tenant: It's all down.—Mich. Tech Lode.

Successful Father — "Supposing I should be taken away suddenly, what would become of you?"

Son—"Oh, I would just be here, the question is, what would become of you?"—Louis Allas Messenger.

—M.S.M.—

Sigma Si Gives Pledge Dance

Last Friday evening, Halloween Eve, Sigma Pi Fraternity held its annual pledge dance. The pledges for whom the dance was given, are K. Deiter, R. Jarboe, W. Kartar, W. Mussell, J. Rakaskas, W. Smothers, and E. Washburn.

Sigma Pi, having probably the most dancing room of all the fraternities on the campus, accommodated its guests to everyone's liking and enjoyment.

Some of the faculty, who attended the dance, were Prof. and Mrs. Dodd, Prof. and Mrs. Johnson, and Prof. and Mrs. Perry.

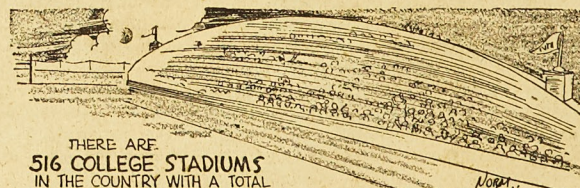
The decorations of Sigma Pi were right in swing with Halloween, having cornstalks and pumpkins scattered here and there, along with many decorative lights.

The guests numbered about 125, all of whom were well pleased and satisfied with the dance.

Music was furnished by the Varsity Orchestra. The dancing began at ten, and ended up in the small hours of the morning.

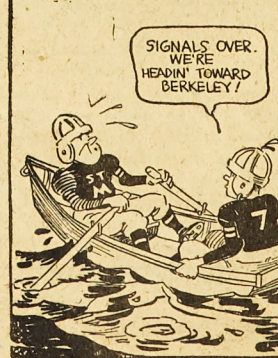
Although he is as yet undecided as to what branch of engineering he will study, Mr. Lee is going back to China as soon as he graduates, for he is of the opinion that there are many opportunities for engineers in China.

Eyes Over The Campus



THERE ARE
516 COLLEGE STADIUMS
IN THE COUNTRY WITH A TOTAL
SEATING CAPACITY OF 5,168,200 OR
AN AVERAGE OF 10,000 PER SCHOOL!

COACH "SIP" MADIGAN'S GALLOPING GABLES OF ST. MARY'S COLLEGE (CAL.) MUST TRAVEL OVER 30 MILES OF LAND, 20 MILES OF WATER, AND PASS THROUGH THREE COUNTIES AND METROPOLITAN CITIES IN ORDER TO REACH THEIR "HOME" FIELD, KEZAP STADIUM, SAN FRANCISCO!



SIGNALS OVER.
WE'RE
HEADIN' TOWARD
BERKELEY!



UNIVERSITY OF CHATTANOOGA STUDENTS HOLD A CONTEST EACH YEAR TO SELECT THE BACHELOR OF UGLINESS!

Copyright by Associated Collegiate Press—Madison, Wisconsin



STATION J-I-G

Chatter About This'n That

Hello again, or should I say hello "yet". Bet the most tiresome job in the world is one that requires saying hello to people all day long. Anyway, I only have to say it once a week, so I guess I shouldn't be griping. Got to get down to some serious thinking, so as to remember all the happenings that went on around here. Take the tip from me that there were plenty of things going on all the time, and although a good many Miners went home or to Chicago—I'll get to that later—those left here did their best to keep up the name that we seem to have.

Here's one of the nicer bits of news that I happened to run into. Take

that literally, because I did run into petite Helen Hickman just after Eddie (Doc Side Swipe) had placed his pin on her. Congrats to both of you, and I'm sure that the rest of us feel the same way. Gee, it must be fun to be in love, wonder if Eddie will tell us how it feels.

Here and There Friday Night

Sigma Pi killed two bids with the same dance, (if you'll excuse the pun), last Friday eve. In addition to honoring their pledges, they also dedicated the new chapter house. The house has a decidedly homelike atmosphere that makes it one of the nicest on the campus. A new coat of paint and some finishing touches put

on here and there by the men served to give it just the right setting for the swell dance that was given there Fri. One unusual, and rather nice thing was the way in which the programs were followed. That's so seldom done on this campus that it was rather an oddity to most of those who attended. However, no complaint was heard, and so the dance progressed. Rather quiet, from the standpoint of noise, with people gathering here and there in little groups to talk about this and that. Wonder what Syb and the Prof. were so ingrossed in on the steps? Looked almost like a father and daughter talk, but that isn't likely so we'll just have to skip it as we do so many things. Don't know where the boys found all the swell looking dates, but I think it would be a swell idea to drop around and see about locating the source. Well, that just about finishes up the pledge dances, leaving the ALT's to really put the finishing touches on things. After that the Christmas dances will start, so hold your whatever-you-wear up and wait patiently for them to start.

The football team lost a tough one at Kirksville, and are to be commended on the fine show they put

up. After that game, several of the Snakes who were there drove to Chicago to see the big game and play a little. Perhaps I should have said the little game and play a lot, for it seems that they really had a time. Another carload left from St. Louis on Friday afternoon, all of which brings us to:

Saturday in All Its Glory

Freshman Packy (bless his little heart) pulled the vanishing trick on the boys at the game, and made things rather crowded when they all started to go home after Northwest-ern had beaten the invincible Minnesota team. The play started when Mac got started pushing that barge of his up and down Michigan Blvd. Some fun eh? Not. He says that the only thing he doesn't like about Chi is the way the taxi-cab drivers play tag with everyone. The Miner aggregation took in most all the spots available, and some that weren't so available, and held a good old song feast in the middle of the Congress Hotel Tap Room.....had quite a time there too! "Busse's" trip on the El will be remembered by one and all, as will the way in which the bracers were carried around.....Enough of this Chicago talk, there

was enough going on right in Rolla and Jintown to stop anyone.

Highlights at The Casino

That ballroom is getting to be the bane of all mission societies, or W. C. T. U. or what have you. Take it from anyone that will tell you, it was really rough up there. Can't do anything but run a string of comments on the proceedings, cause it would take me from here till Christmas to tell about each person. Here goes, and if anyone gets missed blame it on the lateness of the hour at the time of this writing. "Snuffy" Smith, the man from north Missouri swung charming Katherine Sands hither and yon.....College man Joe looked rather quaint in his.....somebody else name them; I can't think of an appropriate word to describe them.....Tushy and Boorky adding their talents to an already crowded dance floor.....Jig (shhhhhhh, don't tell anyone) carrying a pretty bottle for the enjoyment of those who would partake.....Charlie fooling the boys with his little antics.....Jimmie Hoffman using a very sharp knife on

Continued on page four

Lucky for You — It's a Light Smoke!

Guard that throat!

Block that cough...that raw irritation...reach for a light smoke...a Lucky! Whether you're shouting, and cheering the team, or just talking and singing and laughing at home, there's a tax on your throat you can hardly ignore. So when choosing your smoke, it pays to think twice. Reach for a light smoke...a Lucky...and get the welcome throat protection that only Luckies offer—the exclusive protection of the process, "It's Toasted." Next time you go places, take plenty of Luckies. They not only taste good, but keep tasting good all day long...for Luckies are a light smoke—and a light smoke leaves a clear throat—a clean taste.

★ ★ NEWS FLASH! ★ ★

"I've only missed sending in my entry 3 times"—Sailor

Uncle Sam's sailors find time to try their skill in Your Lucky Strike "Sweepstakes." Seaman Spangenberg of the U. S. S. Mississippi, an enthusiastic "Sweepstakes" fan, writes: "I've only missed sending in my entry three times—I mail them in whenever the ship is in American waters."

Have you entered yet? Have you won your delicious Lucky Strikes? Tune in "Your Hit Parade"—Wednesday and Saturday evenings. Listen, judge, and compare the tunes—then try Your Lucky Strike "Sweepstakes."

And if you're not already smoking Luckies, buy a pack today and try them. Maybe you've been missing something.

NO PENALTIES FOR THROATS!

—It's a light smoke

If you're hoarse at the game, it won't be from smoking...if yours is a light smoke—a Lucky. When the man with the basket yells "cigars, cigarettes," yell back for a light smoke...yell "Luckies!"

Luckies — a light smoke

OF RICH, RIPE-BODIED TOBACCO — "IT'S TOASTED"

ROOSEVELT'S REPLY

Continued from page one

"2. Your Science Advisory Board of prominent engineers and scientists recommended that attention be given to development of scientific knowledge on which can be built the new industries, so urgently desired by your administration to provide employment.

"3. Various groups urged that the present efforts to aid the farmer be supplemented by a really adequate attempt to create new markets for farm products through discovery of

PROGRAM

ROLLAMO THEATRE

Saturday and Sunday Matinees
1:30 and 3:30 p. m.

Wed. and Thurs., Nov. 4 and 5



Friday, November 6



Admission 10c and 25c

Sat., Nov. 7, Matinee and Night
2 BIG FEATURES 2

Ricardo Cortez as Perry Mason in the Thrill Topper of the Clue Club Series

"THE CASE OF THE BLACK CAT" and

Chester Morris and Fay Wray in "THEY MET IN A TAXI"

Plus "Movie Maniacs", "Kiddie Revue", Chapter 8, "Fighting Marines"
Admission Matinee 10c and 15c
Night 10c and 25c

Sun. and Mon., Nov. 8 and 9



Sunday Matinee 10c and 25c
Nights 10c and 36c

Tues., Nov. 10, Bargain Night
Here Comes Romance On The Wings Of Song

"WALKING ON AIR"

with Gene Raymond and Ann Sothern
Plus "Perfect Setup", "Pictorial Review"
Admission 10c and 25c or
TWO for 10c and 36c

Coming Soon—

"Pigskin Parade"

"Daniel Boone"

"Dimples"



THROUGH THE TRANSIT

By Homer Bru



Things were popping pretty fast this week-end, so settle back and read about yourselves boys, (and girls).

We hear quite a few things about the Electrical Engineers. It seems that Jarrett (ye old ed.) acquired the name of "Cream Puff" while he was gone. (We don't know who it was that called him that, but we do know why. Red Mueller, another E. E. came down one morning with lip-stick all over his face. A little soap and water once in a while would help a lot Red.

Joe Pollitte is going to start a rummage store with all of his trophies he brings back from these football trips. His room ought to be getting pretty full by now.

Our old friend Ni Adams and his wife came back with the boys from the Northwestern - Minnesota game, and from what I can hear, he just about wrecked the Snake house. The boys also report seeing Nations in Chi Saturday night, and that he was in his usual rare form. Wonder why he didn't come back? We know why, but we ain't sayin.

The Sigma Pi's had a right nice dance at their new house Friday night, but whoever put all that slickum on the floor is liable to get sued for damages. The little lady of rose room fame took an awful fall over there. However, she wasn't the only one. Congratulations to the Sigma Pi's on both their new house,

new industrial uses for these products through discovery of new industrial uses for these products through research. None of these recommendations was acted upon.

"4. Your letter to us calls attention of the public to the 'dislocation' produced by science, and quite properly calls on us to try to cure them, but it does not indicate interest in the creative work and permanent values which engineers and scientists continue to regard as their chief contributions to social welfare."

M.S.M.

RADIO CLUB

Continued from page one

tube 5-meter transceiver was used as the transmitter. The laboratory speech amplifier was used on the receiving unit to obtain enough gain to operate a loud speaker.

After the speaker's talk there was further discussion of the five meter possibilities. Plans are being made to buy a new receiver which will

JIM PIRTLE

Watchmaker and Jeweler

Fine Repair Work a Specialty

40 Years Experience

30 Years in Rolla

CALL 163

THE FARMERS EXCHANGE

FOR POULTRY, EGGS AND GROCERIES

and their fine dance.

Still notice the "Welcome Alumni" sign at the north end of town. Looks like some spirited freshman would have taken that down by now. How about it seniors?

Jig asked last week why he didn't rate this column. Well Jig you are tootin your own horn so well, that I thought you didn't need any help. I think lots of people sympathize with the above statement.

Harsell and Blazovic starter out for Miltendorse in a borrowed car Saturday night, and when they finally got back, it was noon Sunday and they came home on the back end of a tow rope at that. They report that a good time was had by all.

Gould and VanDeventer also had a little set too Saturday night. When Gould got in, his complaint was that he couldn't see? I don't doubt him a bit.

More news from the E. E.'s.

The Earl of Porter became a little worried one night when he wound his watch too tight. He was afraid it would never run again but the experienced "Coach" prescribed a remedy which relieved our hero's mind.

Baxter and McLaughlin were in plenty high class company in traveling around with the manager of the Baker Hotel's daughter. The only trouble was that they had to travel 38 miles for a date with her.

Well that's about enough till next week. So long and be bad.

cover the 5-meter band. This receiver is to be used in conjunction with the 5-meter activity and also for experimental purposes. There is to be some experimental work done in regard to the distance obtainable, and Professor Rans suggested that this should be written up in the form of a paper and presented by some student.

All in all the meeting was very successful and the talk given by Mr. Mueller was very interesting and quite educational. If the activities of the Radio Club continues to be as interesting as it has been in the last few weeks, it should become a very prominent organization on the campus. The next meeting will be held Wednesday night, Nov. 11, in Norwood Hall.

M.S.M.

FRESHMEN LECTURE

Continued from page one

In the opposite extreme in the heights of individuals there are dwarfs, who may be either econdoplastic, ie. natural in every respect except that their long bones did not develop; or etelotic, ie. proportionately smaller in every way than an average individual."

In discussing the weight of an individual Prof. Millar emphasized that there was no one factor which influenced it. He gave an example of an Englishman who weighed 615 pounds; and then of a certain man named Edison who at the age of 42 weighed only 42 pounds, but his father of four children could do an average days work.

The final and most important factor of life which Prof. Millar discussed was the life span. According to his data the oldest age man has ever reached, of which we have authentic records, is 169. The man, a certain Henry Jenkins, who attained this age went swimming regularly after he passed the century mark.

Quoting Prof. Millar "To ask an aged person the reason for which he attributes his long life would be to receive many fantastic replies. One man, who had attained a ripe old age, asserted that the length of his

life span was due to his restraint in the use of water—both externally and internally..

The fact is, however, that heredity more than anything, else determines, the length of life."

'A man is only as old as his arteries, since death from old age is usually caused by hardening of the arteries, or more properly, the loss of elasticity of the arteries."

Tobacco and alcohol are commonly given as the cause of hardened arteries. Prof. Millar debunked this, however, in citing the fact that practically the same per cent of deaths from hardened arteries occur among the strict Mohammedans, who use neither alcohol nor tobacco.

With this the Prof. abruptly walked out of the room and received a large round of applause.

J-I-G

Continued from page three

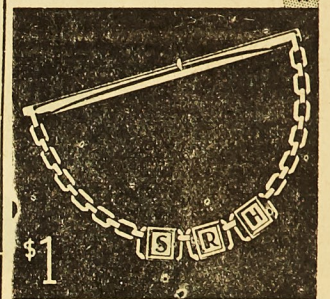
we'uns, mine got dull after a while) Johnny and his love sitting quietly in a corner with the rest of the Lambda Chi delegation (probably afraid to venture on the floor, seeing as to how it was rather full of folks).....A rather large crowd from down Newburg way that contributed their fun and frolic.....O.K. and the smooth Elanore giving the people an exhibition of some fine

dancing.....Buddy and Micky looking oddly serene mid the rest of the hubbub, etc.....Little Mel keeping up with the best of them.... B. C. and Gates having a keen time.....this things likely to go on indefinitely if I don't stop soon. Guess I'll have to let such as the mad Russian and his date, with party, go until some other time.

That just about finished things up, until the tail end of the Chi celebration blew in bringing two old men from the Sigma Nu house with them. One was Mr. Nyle Adams, in company with his charming and sweet wife of a very short time. Johnny Kiser was among those that showed up, and everyone immediately voted for a reunion at the Pennant. That's where I quit. See you next week.

JIG.

Distinctive INITIAL Jewelry BY Hickok



"Smart!" you'll say, when you see your initials on the latest Hickok tie clips — chain or bar type. Their enduring golden lustre sets off the mannish black letters on platinum-tone. This distinguished jewelry is practical...serviceable...with its smooth-working Hickok alligator grip—and Hickok excellence through and through. Here's utility—fine style—INDIVIDUALITY!

\$100

SCOTT-WATKINS

MAZDA LAMPS

For Your Daily Needs,
All the Sizes You Want in One Assortment.

Fill Up Your Empty Sockets and Then Keep an Extra Carton for Emergency,



Special Household Assortment:

2--100 Watt Lamps

2-- 60 Watt Lamps

2-- 50 Watt Lamps

ONLY \$1.00

Mo. General Utilities Co.
or Your Mazda Dealer

FOLLOWILL DRUG CO.

Medico, Yellow Bole, Milano and Kaywoodie Pipes

\$1.00 to \$4.00

Miners Stage Comeback But Lose to Kirksville 13 to 12

By Jimmie Evans
Missouri Miner Sports Writer

The Kirksville Teachers blocked a kick for extra point in the last minute of a suspense-packed game with the Missouri School of Mines Friday night to win, 13 to 12.

Playing before an estimated crowd of 2,500 persons in Stokes Stadium, the M. I. A. A. champs were forced to dig deeply into their assortment of grid tricks to repulse a forever fighting Miner outfit that outplayed them in straight football tactics.

It was Kirksville's third conference victory this year—and their 20th victory this year—keeping them tied with Warrensburg for leadership of the league.

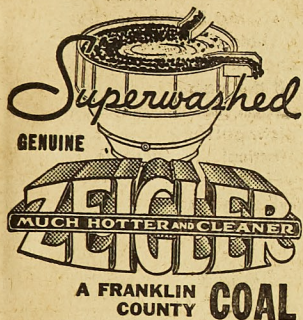
The game started with a Miner surge from kickoff which carried them to the Bulldog 10-yard line before they were held.

Kirksville then played some of its most efficient football of the year to keep the Miners subdued throughout the remainder of the first half and take a 13 to 0 lead. But in the second half the Miners running attack and passes kept Kirksville in hot water until the final gun.

Get Scoring Break on Punt
Cavanah, Bulldog blocking back, scored the initial KSTC touchdown in the first quarter on a plunge

In The Judgment of Fuel Economy

CLEANLINESS should be considered; economy is important; convenience should play a part . . . but comfort . . . the comfort that only HEAT can bring . . . should be uppermost in your mind when you order winter fuel! Ziegler considers all these factors . . . and Ozark Supply Co. recommends only the finest of fuels!



OZARK SUPPLY CO.

DRINK

FALSTAFF BEER

The Choicest Product

OF THE BREWER'S ART

Rolla Wholesale Grocery Co.

DISTRIBUTORS



- MINERS -
ROLLA CHURCHES
HAVE
SOMETHING TO OFFER

YOU
ATTEND NEXT SUNDAY

raced 68 yards to the goal. The kick for point was low.

Miners Passes Click

Two passes from Nickel to Wilson put the Miners on the Bulldog 20-yard line when only two minutes of the game remained. At this juncture the floodlights in the stadium went out when a fuse was blown. The game was delayed 40 minutes while electricians were located and repairs effected. Renewing the attack, Taylor slashed the Kirksville left guard for 5 yards. Kiesler made five yards for a first and 10 on the 10-yard line. Taylor annexed five more, then grabbed a lateral pass and skirted his right end for the touchdown.

Grania attempted a placekick for the point which would have tied the score. As the ball rose from his toe, however, the hurtling form of Forrest Schwengel, Bulldog left end, entered its path and the ball thumped to the ground.

Starting Lineups and Summary

| Kirksville | Pos. | Miners |
|------------|------|-----------|
| Schwengel | LE | Polsom |
| Gehringer | LT | Prough |
| Sirakas | LG | Curtis |
| Mills | C | Middaugh |
| Grilli | RG | Kirwan |
| Jacobs | RT | Appleyard |
| Troester | RE | Wilson |
| Alexander | QB | Koziatek |
| Cavanah | RH | Kiesler |
| Miller | LH | Grania |
| Post | FB | Nickel |

Referee, Waldorf, Missouri; umpire, Elliott, Cornell; head linesman, Mills, Missouri.

First downs, Kirksville 13, Miners 14; yards gained from scrimmage, Kirksville 169, Miners 221; yards lost in scrimmage, Kirksville 15, Miners 26; passes, Kirksville completed 3 of 11 for total of 59 yards, Miners completed 4 of 6 for total of 35 yards; passes intercepted by Kirksville 1, by Miners 1; penalties, Kirksville 6 for total of 50 yards, Miners one for 5 yards; punts, Kirksville 5 for average of 36 yards; Miners, 7 for 32; punts returned, Kirksville three for total of 42 yards, Miners one for 12 yards; kickoffs returned, Kirksville two for total of 34 yards, Miners four for total of 86 yards.

M.S.M.

35 Turn Out For Rifle Team Meeting

The first meeting of the year of the M. S. M. rifle club opened with a "bang" Thursday night, Oct. 29, 1936, with a turn out of 35 interested sharp shooters. This number included mostly freshmen, however ten members of last year rifle team were present also.

The meeting was called similarly for the purpose of electing new officers for the current 1936-37 school year.

The new officers, who were voted on only by the members of last years team, included: — President, Bob Price; Secretary - Treasurer, Ruemmler; Manager, Heslet; Captain Fred Vogt.

Sergeant Bertram will take over his old duties as team coach again this year.

A new plan which will enable any one interested in rifle shooting to participate in the use of the rifle range and guns was voted on and in general was as follows:

Any one enrolled as a student in M. S. M. will be entitled to the use of the rifle range and guns on Monday, Tuesday and Wednesday afternoons of each week from 4 o'clock to 6 o'clock providing he is a club member in good standing and pays his required monthly dues of 25c in advance. Due to a shortage of ammunition, club members must furnish their own ammunition.

Each Thursday and Friday afternoon of every week will be set aside for team members only, for the purpose of instruction and practice under the supervision of Sgt. Bertram. Team members will pay a monthly dues of 50c in advance, but

Continued on back page

COMPTON SAYS

BY
B. C. COMPTON

Notes on the Kirksville game:

The Miners traveled in one of those 37 passenger, pusher type, streamlined, Greyhounds, which attracted quite a bit of attention along the route.

The team stayed in Macon until two hours before the game, arriving at Kirksville with an hour to spare.

The football field is about a mile from the dressing room, so the bus was brought into the stadium and the players stayed in it during the half intermission.



COACH BROWN

While at Macon, Coach Grant took the team to see the Macon-LaPlata High School game. Two of the officials failed to show up for the game, so Coach Brown was pressed into service as umpire. Coach Neel acted as head linesman for the first half while this writer acted in that capacity during the second half.

Coach William Neel was head coach at Macon High last year.

The Kirksville backfield consisting of Post, Miller, Cavanah and Alexander, is probably the best in the M.I.A.A. At least they are the heaviest.

Miller did most of the starring for the Bulldogs, his performance keeping the Miners on their toes and the fans on the edge of their seats.

The blocking on the play where Taylor ran 68 yards for a touchdown was beautiful to see. Taylor outran the safety man, who was not taken out of the play.

Several of the players were slightly injured in the game. Wilson received a bloody nose, Curtis a cut eyebrow, and Mattel a badly wrenched

ed shoulder.

The Miners crossed the goal line in the first few minutes of play on a lateral to Koziatek. However the officials ruled that the ball had been downed before the lateral pass.

Opinion of the coaches, players, and sportswriters was that the referee had been to fast with his whistle

With but two or three minutes left of the game the floodlights went out leaving the field in complete darkness. The officials tried for awhile to keep the players segregated on the field but the fans and substitute players milled around so much that it was virtually impossible.

The weather was so cold that Grant finally took the whole squad into the bus to keep warm.

Forty minutes later the lights went back on and play was resumed on the Kirksville 20-yard stripe, first and ten for the Miners.

Red headed Jim Wilson, who started at right end, was the outstanding linesman for the Miners, while all the Silver and Gold backfield performed creditably.

The Miner line did an excellent job—a fine bunch of hard working players with the old Miner spirit.

On the way back from Kirksville last Saturday the Miner football team stopped at Moberly, Mo., to see the wreckage of the Power Plant that was blown up Friday. One man was killed and six injured.

M.S.M.

"What are the laziest fish?"

"That's easy; oysters, because they are always in their bed."—Forward.

LONG DISTANCE RATES

Are Lowest After
7 P. M.

And On Sunday

UNITED Telephone Co.

Rolla State Bank

Malted Milks or Sodas

Made with Our
Delicious Home-Made Ice Cream

15c

Sandwiches
All Kinds

AFTER THE GAME—

AFTER THE SHOW—

AFTER THE DANCE—

REMEMBER

Harvey's Restaurant

A pleasant spot to meet your friends
OPEN ALL NIGHT



SCOTT'S--The MINER'S CO-OP and BOOK EXCHANGE

SCOTT BLDG., 8TH & PINE

MSM Senior Mets Attend Meeting

The Eighteenth Annual National Metal Congress and Exposition brought together a great number of M. S. M. men in the metallurgical field. This meeting was held in Cleveland.

On Wednesday, October 21st, the Seniors in Metallurgy joined with our Alumni group, at the Hotel Statler. The Seniors were: Benner, Frame, Culbertson, Beinlich, Jones and Post. The Alumni present were: M. L. Frey, '23, Metallurgical Engineer, Republic Steel Company, Buffalo, N. Y.; H. J. Pfeifer, Jr., '36, Observer in Metallurgy Department, American Steel & Wire Co., Cleveland, Ohio; T. R. Graham, '34, Graduate Assistant, Case School of Applied Science, Cleveland; Foster C. Nix, '25, Research Physicist, Bell Telephone Lab, New York City; Roy A. Lindgren, '23, Superintendent, Blast Furnace Department, Wisconsin Steel Works, International Har-

vester Co., Chicago; Richard G. Hudson, '34, Production Squadron, Good-year Tire & Rubber Co., Akron, Ohio; Lee H. DeWald, '33, Metallurgical Engineer, Fansteel Metallurgical Corporation, Chicago; C. B. Kentnor, Jr., '24, W. S. Rockwell Co., Michigan Steel Casting Co., Fairfield, Conn.; J. N. Harris, '25, Metallurgist, Rockford Drop Forge Co., Rockford, Ill.; H. H. Weise, '18, Metallurgist, Nassau Smelting & Refining Co., Totterville, Staten Island, N. Y.; J. P. Gill, '18, Chief Metallurgist, Vanadium Alloy Steel Co., also Colonial Steel Co., and Anchor Drawn Steel Co.; B. W. Adams, '16, Salesman, Armstrong Cork Products Co., Cleveland, Ohio; R. S. Dean, '15, Chief Engineer, Metallurgical Division, U. S. Bureau of Mines, Washington, D. C.; Michael V. Healey, '23, Metallurgist, Works Lab., General Electric Co., Schenectady, N. Y.; R. O. Day, '25, Metallurgist, Linde Air Products Co., N. J.; Thomas E. Eagan, '25, Chief Metallurgist, Cooper-Bessemer Corp., Grove City, Pa.; John R. Heckman, '28, District Manager, The Midvale Co., Chicago; Francis B. Foley, Superintendent of Research, The Midvale

Co., Nicetown, Philadelphia, Pa.; Elmer Gammeter, '26, Metallurgist Edison General Electric Appliance Co., Chicago; J. F. Helmerichs, '22, Safety Clothing Co., Cleveland, Ohio; Dana W. Smith, ex-'29, Research Metallurgist, Aluminum Research Labs., New Kensington, Pa.; A. F. Mohri, '23, Strip Mill Metallurgist, Granite City Steel Co., Granite City, Ill.; A. D. Potts, '20, Metallurgical Engineer, Simonds Saw & Steel Co., Lockport, N. Y.; Wm. H. Lenz, '33, Research Engineer, Engineering Experiment Station, Ohio State University, Columbus, Ohio; E. L. McReynolds, Metallurgist and Manager Claim Department, Union Drawn Steel Co., Massillon, Ohio; J. L. Gregg, '23, Research Metallurgist, Bethlehem Steel Corp., Bethlehem, Pa., and Chas. Y. Clayton, '13, Professor of Metallurgy and Ore Dressing, M. S. M.

—M.S.M.—

RIFLE TEAM

Continued from page five.

will be furnished all necessary ammunition by the club.

In order to differentiate between

club members and team members, it will be necessary to draw the list as follows:

Sgt. Bertram, along with the aid of Captain Vogt, will pick the team and will limit it to either 15 or 20 members (to be decided later). These men will be the team and must pay a monthly dues of 50c but will be furnished with ammunition.

A club member is one who, due to his more or less inferior shooting in comparison with the team members, is unable to qualify for a berth on the team, but at the same time is interested in rifle shooting and wants to share in the use of the range and rifles on Monday, Tuesday and Wednesday afternoons from 4 to 6 o'clock. This club member must pay a monthly dues of 25c and also bring his own ammunition.

As soon as any club member proves that he is capable of holding down a berth on the team, he is automatically placed on the team, and replaces the team member who has not been shooting up to par.

Starting Monday, Nov. 2nd, the range will be opened every Monday, Tuesday and Wednesday even-

ings of each week from 4 to 6 o'clock for all club members interested in rifle shooting. Starting Thursday, Nov. 5th, every Thursday and Friday will be opened for team practice.

Sgt. Bertram anticipates a very good team this year due to the fact that ten of last years team are back in school again this year along with a large number of new men who have been on other teams throughout the state.

It looks like a big year for the Silver and Gold rifle team.

—M.S.M.—

The southern father was introducing his family of boys to a visiting Governor.

"Seventeen boys", exclaimed the Governor. "And all Democrats, I suppose."

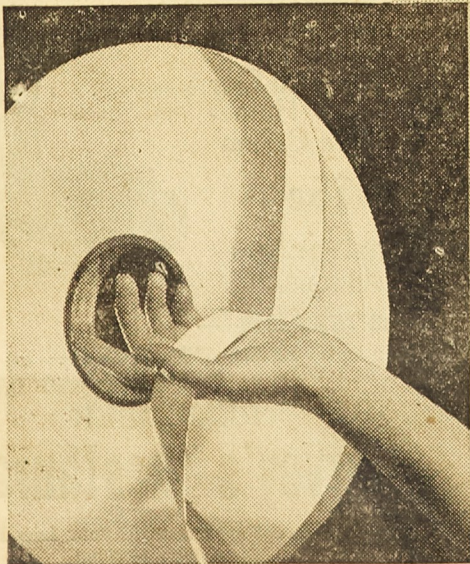
"All but one", said the father proudly. "They're all Democrats but John, the little rascal. He got to readin'."—The Louis Allas Messenger.

Mr. Howard was surprised to find Volz unaccompanied by current in the Power Plant.

PURE...and of finer texture than most anything that touches your lips...

We all agree on this...cigarette paper is important. For Chesterfield we use the best paper that we can buy. It is called Champagne Cigarette Paper. It is made from the soft, silky fibre of the flax plant. It is washed over and over in clear, sparkling water.

A lot of the pleasure you get in smoking Chesterfields is due to our using the right kind of cigarette paper. Chesterfield paper is pure, and it burns without taste or odor.



Chesterfield

They're Milder and They Satisfy

Remember this...two things make the smoking quality of a cigarette—the tobaccos and the paper. The Champagne cigarette paper on Chesterfields is tested over and over for purity, for the right burning quality. Another reason why Chesterfield wins.

© 1936, LIGGETT & MYERS TOBACCO CO.