



07 Nov 1927

## The Missouri Miner, November 07, 1927

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# THE MISSOURI MINER.

Missouri School of Mines and Metallurgy, Rolla, Missouri.

Vol. 14.

Monday, November 7, 1927

No. 3

## CHRISTMAS AND THANKSGIVING VACATIONS.

Attention of all students is called to the fact that Christmas vacation starts at noon on Saturday, December 17. This allows a full week to get home, which is sufficient time to reach any point in the country. No excuses for leaving early will be granted.

The time formerly set aside for the Thanksgiving vacation has been added to the usual Christmas vacation, and the Thanksgiving vacation this year is ONE DAY ONLY. No extensions will be granted.

H. H. ARMSBY,  
Student Advisor.

## ALL SENIORS ATTENTION.

In order to receive a degree a student must have the necessary number of credit hours and grade points, must have passed all required courses, or been granted waivers, and must have had a sufficient number of electives approved by his department head to bring his total of required and approved hours to 158.

The responsibility for checking graduation requirements rests with the student. The registrar has the records in such shape that any senior can find out in a very few minutes just where he stands and just what he lacks of meeting the requirements for a degree. The registrar will be pleased to go over any student's record with him at any time, but no notices will be sent to seniors on this matter.

H. H. ARMSBY,  
Registrar.

## AIR PORT AUTOMATICALLY LIGHTED BY LANDING PLANE.

T. Spooner, Research Engineer of Westinghouse Electric, has recently given added impetus to the dream of fool proof flying. Mr. Spooner has perfected a device which gives instant and automatic control of the lights of an airport.

The essential function of the device is to use the drone of the incoming plane to control electrical energy. A loudspeaker, working in reverse order, acts as the "ear" of the mechanism. The loudspeaker is laid on its back to give a directive effect

## 1927-28 GENERAL POPULAR LEC- TURE COURSE

This year, as usual, the Committee on the General Popular Lecture Course announces a splendid series of lectures, musicals, readings plays, etc., to be given on open Thursdays at 8.00 P. M. in Parker Hall of the School of Mines. Both local and outside talent have consented to render their services in this course. Most of the entertainments will be free to the public, only in a few cases will a charge be made, and then just to cover the cost of having the speaker or musician come to Rolla, or possibly to help out the Junior Class in connection with the St. Pat celebration.

On the tentative program such artists numerated among others are to appear: Coffey Miller Players in January; Major L. B. Roberts, who will describe his recent trip with the American Museum of Natural History through undiscovered stretches of Mongolia; possibly Mrs. Lucy Holman Hinchcliffe and daughter will render vocal selections; Dr. Philip Cox, Director of Dearborn Observatory of Northwestern University, will lead the audience off among the Stars and talk on the latest astronomical Advances; possibly Dr. Richard Sutton will take us on one of his tiger hunting trips in the wilds of India; Edward Abner Thompson, the blind dramatic reader from the Boston School of Expression, has again offered his services; negotiations are under way with Professors Wall, MacLeod and Whitmore of the University of Missouri for a combined musical program, consisting of songs, piano and violin; on December 1, Dr. John Fickford, Past Grand Master of Masons of Missouri and Professor of Classical Archaeology and History of Art, and Curator of the Museums of Art and Classical Archaeology will appear under the auspices of the Art Department of the Saturday Club of Rolla, and present an illustrated lecture entitled, "Some American Masters of Landscape

## MINERS 13, KIRKSVILLE 13.

In one of the most interesting games played thus far on Jackling Gridiron, the "Golden Wave" stopped the "Doctors from Kirksville" to the tune of a 13 tie, after the visitors romped over Jackson University the previous week to a 132 to 0 score. It was easily Kirksville's game during the first stanza, but it was an altogether different tale to tell during the latter half. It really seemed as if a new team came upon the field in the second half, the way the Miner legion romped around the Osteopath team. As the gun sounded at the half the visitors lead the way 13 to 0, and looked as if they were all primed for an overwhelming victory. It will have to be admitted by those who saw the game, that the "Silver and Gold" team were out played in the opening section of the game—lead by the shifty, speed merchant, Wendler, accompanied by another fast man, Weihle. Doublet also gave the Miner secondary defense something to think about, in the line of ground gaining. It was Doublet and Weihle, who pushed over the two touchdowns for the Kirksville squad. Hughes booted goal for the visitors, the first time successful, but the second try was less fortunate when the ball hit the goal post. As it has been stated before it was tit for tat in the nightcap stanza, when Thomas, Ledford and Hassler went on a rampage, with the pigskin to tie up the score with a touchdown in each the third and fourth quarters.

Hassler played a super-stellar game as did Thomas and Ledford. The line was by all means a huge factor in determining the score, both in the first and second halves. Kirksville made a habit of hitting off right guard during the first half, but this hole was stopped during the climax and the "Doctors" had a hard time gaining much ground. Martin was easily the star at guard on his side of the line. His hard hitting was the downfall of the majority of visitors' losses and he was impenetrable when it came to offensive play. Hardly less brilliant was the stellar playing of Niedermeyer and Shearer on both the offense and defense. The good playing in the second half may

Continued on Page Two.

Continued on Page Two.



be imagined—by the score of first downs, when the Osteopaths had 10 first downs to the Miners 2, at the half, and by the time the final gun sounded the Miners had 13 first downs to the visitors 12. The excellent refereeing by Pete Jackson, of former University of Missouri football fame, furnished the thrills of the game, by his line diving to reach the pigskin in the shortest time.

## Line-up:

Miners	Kirksville
Niedermeyer .....	Norman
Bolon, L. ....	Hueston
Martin .....	Messmore
Young .....	Coates
Tucker .....	Walter
Shearer .....	Hughes
Allebach .....	Pitthouse
Thomas .....	Wendler
Ledford .....	Weihle
Reid .....	Dohbleit
Hassler .....	Lotta

Substitutions—Herbert for Tucker, Kjar for Reid, Lacy for Herbert, McCormick for Thomas, Ray for Niedermeyer Allebach for McRae, Thomas for McCormick, H Bolon for L. Bolon Tucker for Lacy.

#### AIR PORT AUTOMATICALLY LIGHTED BY LANDING PLANE.

Continued from Page One.

with reference to noises from above. A microphone completes the auditory section. After the tiny bit of sound has passed through the first amplifier the resultant impulse is received by a resonant circuit set, tuned to the dominant frequency of the airplane drone. Here a second amplifier does its work and then the thread is picked up by a device which has an amplifying power of 100,000,000.

The electrical impulse is then ready for the time limit relay which is the vital feature of the Spooner Sound-Selective Switch. Without this feature the automatic lighting mechanism might be operated by sporadic transient noises. With the time limit feature nothing less than the continuous hum, characteristic of the approaching plane will operate the apparatus and light the field.

The lights used were a new type developed by Westinghouse for airport illumination.

The new unit is designed to furnish sufficient illumination over an uneven field, at the same time keeping the source of light low and eliminating objectionable glare in the eyes of the aviator. It consists of a steel drum 25 inches in diameter and 19 inches

deep mounted on a 2 1-2 inch pipe standard. It is equipped with vertical, lateral, and in and out focusing adjustments and with a 23 inch parabolic reflector of such focal length that all reflected rays fall within a 3 degree divergence and a system of lowers which absorb all rays whose upward tilt is more than 1 1-2 degrees. A spread lens mounted on the front of the shell gives a 45 degree horizontal spread.

The units may be moved thru a vertical arc 2 degrees above and 6 degrees below the horizontal. When equipped with a 1500-watt projection lamp they give 250,000 c. p. The projector may be accurately focused by means of a day light lamp setter developed for the purpose.

By spacing the projectors about every 300 feet ample penetration is provided for large fields, and individual adjustments may be made to take care of inequalities of the terrain.

#### 1927-28 GENERAL POPULAR LECTURE COURSE

Continued from Page One.

##### Painting".

Hugh Wood, Diamond Expert from the Jewellery Firm of Hess and Culbertson of St. Louis will lecture at Parker Hall at 8:00 P.M. Thursday November 17, his subject will be, "Historic Diamonds and the Diamond Industry". This will be the first lecture of the course this year. The lecture is illustrated with replicas of the world's most famous diamonds, cut out of quartz by Amsterdam diamond cutters. Among the interesting exhibits are the "Koh-i-nor", "Grand Mogul", the "Shah" and the Pitt or "Regent" diamond. These are exact duplicates of the originals in size, shape and color. Some real diamonds from the Arkansas field will be exhibited. It is understood that this lecture is non-commercial, and there is no admission charge, and all that Hess & Culbertson expect is a good audience. This lecturer was obtained through the auspices of the Saturday Club of Rolla. Don't forget the date of the first lecture, Thursday, November 17, at 8:00 P. M., Parker Hall.

The committee: Dr. L. E. Woodman, Prof. H. R. Hanley Dr. C. E. Bardsley, Chairman, General Lecture Committee.

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## LYRIC THEATRE

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JACK MULHILL

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THE CRYSTAL CUP

FRIDAY  
CHAS. MURRAY, AND  
GEORGE SIDNEY

in  
A SPECIAL ARMISTIS DAY  
PICTURE COMEDY  
LOST AT THE FRONT

SATURDAY  
HOOT GIBSON

in  
A HERO ON HORSEBACK

SUNDAY MATANEE & MONDAY  
WALLACE BERRY  
AND RAYMOND HOTTON

in  
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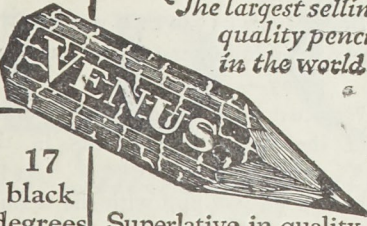
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### TO OUR JUNIORS.

It seems that quite an argument has arisen between the sophomores and the juniors concerning the treatment of freshmen. Let us not choose to call this a controversy, it is rather merely a subject for discussion to which there are two sides, or points of view.

This campus has many time-honored customs, foremost of which are those concerning the treatment of freshmen. It is the privilege and duty of the sophomores to force all freshmen to respect and obey all campus laws as set forth by the Senior Council, and other sources of recognized authority. The class of '30 has been fulfilling this duty as well as is possible considering the relative size of the two classes. Numerous and loud have been the howls from the upper-classmen to the sophomores about freshmen neglecting to wear caps and suspenders. In fact it seems that it has become a custom to razz sophomores instead of freshmen. This would indicate that customs have changed but not for the better.

Formerly all of the upper-classmen stood back of the sophomore class to see that the frosh behaved in a manner befitting their lowly station. Now we have juniors who seem delighted at an opportunity to ride sophomores for not glueing caps on freshmen—then interfere when it is being done. We sophomores are supposed to fold our hands and wait quietly until a freshman condescends to come out from under a roof so that he may be presented with a cap. Hair-splitting and bunk, we call it. We admit that it is not good form to glue a cap on a freshman in a classroom, but we claim the privilege of escorting the "erring one" to a place where less disturbance will be caused by the proceedings.

If the sophs be accused of poor judgment we can afford to acknowledge it on the part of a few of our members, but we cannot help recalling the incident that occurred during the first week of school when a number of juniors took a truck out to the "freshman shanghai" and TRIED to haul the freshmen into town on Friday night. Surely that could not be called good judgment.

That was sarcasm, but let us not quarrel over a small matter such as a freshman. We sophomores do realize that the juniors are older and more experienced, but with all due respect we wish to state that we shall receive orders from the Senior Council—not from juniors.

THE SOPHOMORES.

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BUT BIGGEST BECAUSE BEST

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COMPLETE LINE OF  
GUNS AND AMMUNITION  
DON'T FORGET THE PLACE  
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## THE MISSOURI MINER.

A weekly paper published by the Students, in the interest of the Alumni, Students, and Faculty of the Missouri School of Mines and Metallurgy, Rolla, Mo.

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## Issued Every Monday.

As a member of the student body of the Missouri School of Mines a few years ago, and as one now, there are a few conclusions that must be arrived at, from an observation of conditions then and now. From this viewpoint, the article appearing in the last issue of the Miner was a bit amusing, if not disgusting. Not that a person doesn't have the right to their own opinions, but that the Student Body, in general, should more or less approve of the sentiment expressed in that article.

It seems that the general idea prevails that the reason for class distinction, such as between Sophomores and Freshmen, is for the sole purpose of creating enmity between classes. From the writer's viewpoint that is far from the ultimate aim. Rather it should be for the purpose of disciplining the Freshmen, and initiating them into the customs of the school, and acquainting them slightly with the fact that they have reached a point in their lives when they must decide their future for themselves, and at the same time comply with established authority, whatever it may be. Further there should be respect for seniority within an organization, such as a student body of any school, thus giving recognition to those who have already been subject to these laws, and have profited by them. These

alone should be the reasons for class distinction, or it should be cast into disuse.

As mentioned before, there is a general attitude entirely different than these just mentioned. Many of the upper classmen, rather than trying to keep things running smoothly, and helping the Sophomores to control the Freshmen as they should be controlled, encourage the Freshmen to break the rules, long a custom at M. S. M., and then criticize the Sophomores for permitting it. These are the ones to be censured, and who finally must accept the responsibility for any break down in school tradition. Furthermore, it is generally noticed that the ones who generally howl the most over such affairs are those who observed the traditions the least themselves.

If there was a little more co-operation between the classes, and a little less of this old continual knocking each other, it would be a great improvement. Class pride and a little criticism is all right, but there is a limit to everything. In this case that limit has just about been reached.

When considering this question another arises which might come in for a little comment right now—that is hazing. Officially hazing is taboo, but every one knows it will probably continue to flourish. But if it is hazing as we know it now, it should be discontinued. There was a time when the Sophomores hazed the Freshmen in comparatively small groups. They had their fun with them, and sent them home to their beds to the tune of paddles. No one was the worse for it, and every one enjoyed it. But today what do we observe. The general idea of hazing is to get the Sophomores and Freshmen into two gangs and have a knock down, drag out, gang fight, solely for the amusement of the upper classmen. That isn't hazing. It's the worst form of letting one's animal instinct get the best of one's good senses. But the worst of it is, that the upper classmen are the ones that encourage this type of hazing, and go about organizing the Freshmen into groups, telling them that it is the proper thing to do, trying to idolize themselves in the eyes of the Freshmen.

It is just such conditions that bring hazing into disrepute, which should be the case when so conducted. Again, if there was a bit more cooperation among the classes hazing could be carried on in a respectable manner, and all would enjoy it, the Freshmen included although sitting down might be a painful process for a day or so at

a time.

These are the reflections of one who has seen a change in times, and regrets that change.

## GRUBSTAKER DANCE.

The "Hard Times" dance given at the Grubstaker house Saturday night was pronounced one of the most successful of the season by all of the "Hard Timers" present.

A clever assortment of tacky costumes and an abundance of dates combined with the excellent music by "Bill's Outfit" to promote a real spirit of good fellowship and lots of pep in the crowd. A great deal of credit is due Bill Schweickhardt and his veterans. Their performance rivaled that of many of the large orchestras of the big cities.

Chaperons for the occasion were: Dr. and Mrs. W. T. Schrenk, Mr. and Mrs. McDaniels, Mrs. Miner and Mrs. King.

## SEND IT IN.

If you have a bit of news,  
Send it in.  
Or a joke that will amuse,  
Send it in.

Never mind the frills or style,  
If the news is worth the while,  
It may help or cause a smile—  
So send it in.

A story that is true,  
An incident that's new,  
We want to hear from you—  
Send it in.

It is all very well to have courage and skill,  
And it's fine to be counted a star;  
But the single deed with its touch of thrill

Doesn't tell us the man you are.  
There is no lone hand in the game we play—

We must work for a bigger scheme.  
And the thing that counts in the world today

Is how do you pull with the team.

Jimmy was driving his car with one hand on the wheel and one arm around Joan. The car lurched dizzily.

"Oh, Jimmy," cried Joan, "please use both hands."

"Can't," replied Jimmy, grimly, "I gotta drive with one."

"Catch me, Perkins, I'm dizzy."

"Wassamatter?"

"I've been reading a circular letter."



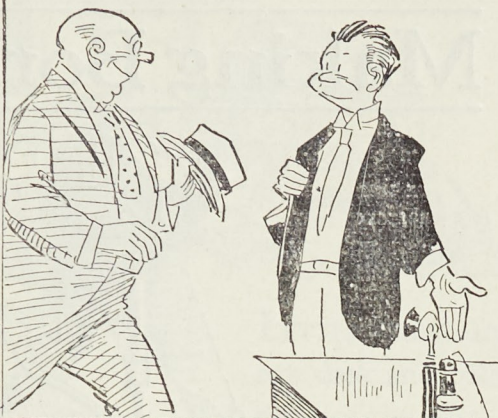
# 't It a Grand and Glorious Feelin'?

By BRIGGS

WHEN THE BOSS OFFERS TO DROP  
AT YOUR HOME ON HIS  
Y TO THE COUNTRY CLUB



AND WHEN HE GETS TO YOUR  
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DO YOU OFFER HIM ONE OF  
2 CIGARETTES WITH SOME  
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MR. SLAKER,  
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GLOR-R-R-IOUS FEELIN'?

TA TATA

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"I'd like to try on that suit in the

window."

"Sorry, sir, but you'll have to use the dressing room."

If you don't own a car or if you eat onions you are a sort of a social outcast.

Many a man will pay his lawyer for telling him he is wrong, but never even thank his wife for the same advice.

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## FRESHMAN CLASS PREFERS GOOD MOVIES.

Who, in the face of the existing facts, can deny that the Class of '31 do not realize and appreciate good picture shows? No one! For, didn't the green-capped individuals (they should wear green caps, you know) rush the show last Wednesday night when "Beau Geste," the picture acclaimed by critics as one of the best of the year, was being shown? Certainly they did. And what matter if, in their haste to get inside the building and enjoy that master production, they forgot to get tickets for admission. It merely showed great enthusiasm, and anyway the Class of '31 is going to take care of the financial end of the question. "Doc" Armsby said so. "Doc" Armsby said so convincingly. He mentioned, in passing, that he was quite sure of his stand; that he had the moral backing of the faculty of the school; the Director of the School; Dr. Brooks of the University; and the STUDENT BODY of the Missouri School of Mines behind him. He is right. There is no excuse for rushing an expensive show, such as "Beau Geste" was. Ken Gray is a friend of the school. He has always helped the Junior classes raise money with his show. This year the Junior Class needs his help more than ever, since the "old reliable" raffles have been abolished.

Rushing the show by the Freshmen Class is a tradition here, but it is not tradition to break in on a show of superior merit.

### COAL MINER'S PRAYER.

God, we don't like to complain—

We know that the mine is no lark  
But—there's the poo's from the rain  
But—there's the cold and the dark.

God, you don't know what it is—

You, in Your well-lighted sky,  
Watch the meteors whizz;  
Warm, with the sun always by.

God, if You had but the moon

Stuck in Your cap for a lamp  
Even You'd tire of it soon,  
Down in the dark and the damp.

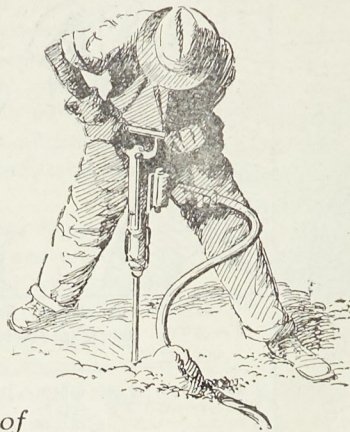
Nothing but blackness above,  
And nothing that moves but the  
cars—

God, if You wish for our love,  
Fling us a handful of stars!

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Nov. 11—Drury, Springfield.

## Making Bore Holes



Lesson No. 4 of

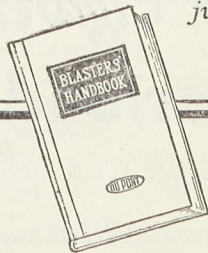
## BLASTERS' HANDBOOK

A BORE hole may be anything from a shallow hand-drill hole in a boulder to a deep, well-drill hole or a tunnel 100 or more feet long. And in all the great variety of bore holes between those extremes lies a startling complexity of methods, conditions, precautions and implements.

What a soil punch, a coal auger, a hand drill, a churn drill, a hammer drill, well drills, tripod drills, and post drills look like and do are illustrated and simply described in Chapter Four of the *Blasters' Handbook*. Tells, also, about tunnels, springing bore holes, the care of drill bits, pumps and spoons for bore holes, and other practical field pointers about making bore holes.

The *Blasters' Handbook*, prepared originally for the use of du Pont field service men, is an extremely practical reference and study work. Leading technical institutions are using the *Blasters' Handbook* in their classrooms. Pocket size for your convenience.

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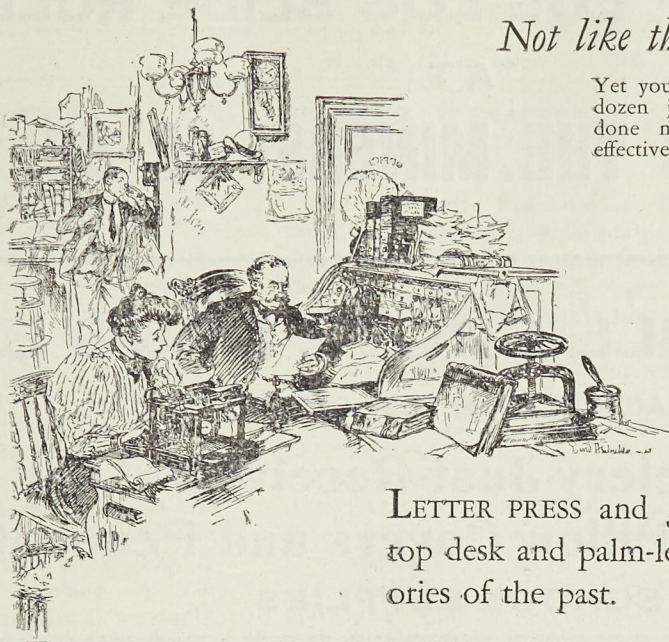
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*Not like this, of course*

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LETTER PRESS and glue pot, roll-top desk and palm-leaf fan—memories of the past.

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What a change today! Modern systems, more machines, and electricity on the payroll.

Electrical fingers aid in book-keeping, speed up the typewriter, quickly sort records, and tabulate tirelessly. They perform many other jobs cheaply and efficiently.



This familiar mark appears on many electrical products, including motors that drive time- and labor-saving office machines.

In the office of to-morrow you will find "electrical fingers" doing more work than even to-day.

210-62FBI

# GENERAL ELECTRIC

GENERAL ELECTRIC COMPANY, SCHENECTADY, NEW YORK

### H. G. S. ANDERSON SPEAKS.

The Mining and Metallurgical Institute held a meeting Thursday evening in Room 123 Metallurgy Building. The president, Robert Couch, presented a few items of business and then introduced the speaker of the evening, Mr. H. G. S. Anderson.

Mr. Anderson has just returned from Japan where he has been superintendent of construction of a large sponge iron plant. His talk covered the non-technical problems that he encountered in engineering a large project in a foreign country.

Mr. Anderson said that although

labor in Japan was paid an exceedingly low wage, construction and operation costs were higher than in America because of the fact that the Japanese laborer is ignorant, lazy, and bound by custom. Japan is a man's country—the women do all the heavy work, and, with the exception of the trades, female labor is predominant. The Japanese are generally known as good imitators, but Mr. Anderson maintains that they are very poor in this respect, because the articles they make are slipshod, imitations and usually are not very serviceable. The Japanese work on the theory that even though

they make a very poor article it is better than their people are accustomed to and it is therefore very good.

After the talk the meeting adjourned to the Assay Lab to partake of refreshments.

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