



07 Sep 1962

The Missouri Miner, September 07, 1962

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Summer Session Closes With Commencement

The Summer Session at Missouri School of Mines and Metallurgy closed with the Summer Commencement Program held on July 28 in the Ballroom of the Student Union Building. The guest speaker was Dr. Joseph C. Hogan, Dean of the College of Engineering of the University of Missouri in Columbia. Dean Hogan, a native of Missouri, was born in St. Louis and received the degree of B.S. in Electrical En-

gineering from Washington University in 1943. He was commissioned in the United States Navy during World War II and served as a radar officer in the South Pacific. After a period of industrial experience, he became Instructor of Electrical Engineering at the University of North Dakota in 1947. Soon he returned to Missouri to teach Electrical Engineering at the University of Missouri and was awarded the Master of Science degree in 1949 from that institution. In 1953, he received his Ph. D. and continued teaching to therefore make this his profession.

Addressing a Commencement audience of about 1,000 persons, Dean Hogan spoke on the subject, "Engineering in the Space Age." He traced the brief history of the space program of the United States from its beginning as an organized effort soon after the Soviet Union launched Sputnik I in 1957. He said that the orbital flight of Glenn and Carpenter were a measure of human courage, but were also a symbol of the engineering and scientific advances which made them possible.

David N. Taylor Appointed as Asst. Registrar

David N. Taylor has been appointed Assistant Registrar at Missouri School of Mines and Metallurgy it has been announced by Dean Curtis L. Wilson. He is replacing Lauren Peterson, who has been granted military leave in order that he might complete his military obligations, after which both men will be retained to carry the heavy load of work in the Registrar's office due to increased enrollment.

Taylor graduated from Cleveland High School in St. Louis in 1956. Immediately following his high school graduation, he went into the Army to complete his military obligations through a six month program and since has continued in the Reserves.

He worked at McDonnell Aircraft for 15 months and then entered Harris Teachers College in St. Louis from which he transferred to Missouri School of Mines and Metallurgy. At the end of one year here he remained out of school for a year and worked at Micro Controls in St. Louis. He then transferred to the University of Missouri where he received his Bachelor of Science in education this spring with a Major in Mathematics and a Minor in Chemistry.

Taylor is married to the former Colleen McKeon of St. Louis County and they are presently living on RFD 1 in Rolla.

Two Grants Presented to School of Mines

Dean Curtis L. Wilson has announced that the Western Electric Fund has made two grants to Missouri School of Mines and Metallurgy for the academic year 1962-63. These grants were approved by the Board of Trustees of the Western Electric Fund at their recent annual meeting. One of the grants provides \$2,000 to support a loan fund to assist graduate students who are studying in the Electrical Engineering Department. The award was made as a result of a request initiated by Dr. Roger E. Nolte, Chairman of the Department of Electrical Engineering, Missouri School of Mines and Metallurgy and submitted to the Board of Trustees through Mr. J. W. Howerton of the Western Electric Company, Aurora, Illinois. Mr. Howerton is an alumnus of Missouri School of Mines and Metallurgy and serves as the College Relations

(Continued on Page 4)

Many Organizations Open To Students Participation

Varsity Sports

The school has a wide list of varsity teams. Much time and effort is spent in the making of a working team, and the campus as a whole is justly proud to be represented by the different squads.

Rewards earned by participation in a varsity sport are a feeling of athletic accomplishment, as well as the privilege of being a member of the 'M' club, which is a highly respected organization on campus, composed of students who have earned their 'M' jackets in varsity competition.

Military Organizations

There are a few organizations on the campus which are sponsored by the Military Department. These organizations have a fine reputation in the school and should be seriously considered by any student interested in or undecided about the advanced ROTC Corps. This advanced corps is composed of juniors and seniors who have decided that they would like to take a few extra

hours and by doing so receive a commission at the time of graduation.

Honorary Fraternities

Each department has a group that is composed entirely of the good students in the department. These groups are present on the campus to give credit to those students who have shown themselves worthy of it. Most of these organizations elect their members from the juniors and seniors in the department they represent.

Besides these interdepartmental organizations the campus also has a chapter of the National Honorary Fraternity for Engineers, Tau Beta Pi. To be admitted to this group one must first be elected by the membership itself and then must pass a strenuous exam which covers many fields of information.

To be elected to this organization is one of the greatest honors a Miner can receive.

(Continued on Page 3)

MINER

The Missouri

MISSOURI SCHOOL OF MINES AND METALLURGY

VOLUME 49

FRIDAY, SEPTEMBER 7, 1962

NUMBER 1

Dr. Tolman Outlines Duties Of Graduates in Address

Dr. Carl Tolman, chancellor of Washington University and the speaker at the Missouri School of Mines and Metallurgy's 89th Commencement, charged the graduating class with the responsibility for always seeking to improve their knowledge and intellect. Using as title for his address, "The Compleat Engineer," Dr. Tolman drew a parallel between Walton's "The Compleat Angler," which was written in 1663 after only one fishing trip and was considered to be an exhaustive study on the subject, and such a study which might have been written in that

era and called "The Compleat Engineer." In both cases few words and little thought would have made a thorough coverage of the field. Dr. Tolman then explained that by contrast nowadays, the study of a polished engineer would require many volumes and much thought to complete, due to the constant rise in engineering knowledge, so necessary in a complex and tightly knit world. As the world changes faster and at an ever increasing pace, the responsibilities upon the engineer are greater than ever before, cautioned Dr. Tolman. He explained that not only must the application of new scientific knowledge move at the same pace as the scientist who discovers new uses, but so must political, social and economic forces. In short he called for an awareness and use of new knowledge by each new engineer.

Dr. Carl Tolman said these are the tasks of the new graduates and they will require great efforts. Man's knowledge, he pointed out, will double by 1969 and its use lies in the hands of the new graduates, but he said that "the continued challenge should be a pleasurable, exciting and stimulating adventure."

At the close of the ceremonies, Dr. Tolman was presented with the degree of Doctor of Science

(Honoris Causa) by Dr. Curtis L. Wilson, Dean of the Missouri School of Mines and Metallurgy, and the degree was conferred by Dr. Elmer Ellis, President of the University of Missouri. More than 540 degrees were conferred on candidates for Bachelor or Master of Science in seventeen fields of engineering and applied science, and three professional degrees were conferred. These graduates were representing nineteen nations and eleven states.

Oliver B. Ferguson of Fredericktown, Missouri, member of the Board of Curators of the University of Missouri and Chairman of the Board's Executive Committee for the Missouri School of Mines and Metallurgy, announced the gifts and grants which were made available to the School by various donors during the past year.

Thirty-nine graduates were appointed to the rank of Second Lieutenant in the United States Army Reserve and one was appointed in the United States Marine Corps Reserve.

Recognition was made of fifty year alumni as eight graduates of the class of 1912 were able to be present for the commencement and were presented fifty year gold recognition medals by Dr. Curtis L. Wilson, Dean of the School.

History of Traditions

Many years ago it was a tradition for all freshmen to wear green beanie on and around the campus. In the last 20 years this tradition has fallen into disuse by all but the fraternity men on campus. Recently a drive was started to put the beanie back on all the freshmen's heads but so far nothing has been done to enforce this matter. It is hoped that in the years to come the beanie will come back into its own, but until that time respect for the beanie of those who chose to wear them should be practiced by all, since it was at one time a campus-wide tradition.

For St. Pats all those that can are expected to grow beards. The St. Pat's Board (the fellows in the St. Pat's Board) has a contest each year and encourages entries by awarding prizes to the best beard growers.

Also for St. Pats it is customary for fraternity freshmen to carry large shillelaghs for a week and a half before St. Pats. This was at one time a campus wide tradition like the beanie, but like them is presently only practiced by the fraternities. Again you are asked to respect those that have feeling for the old traditions and if you

(Continued on Page 3)

ATTENTION FRESHMEN!

108083

IFC MIXER

C/I

Place: Student Union

When: Monday Night

Time: 7 to 9 p.m.

College Professors Visit Enrico Fermi Power Plant

Three Midwest college professors were among educators visiting Enrico Fermi Atomic Power Plant this week as part of a Detroit Edison-sponsored Industry-Education Conference held in Detroit.

The four-day conference, the twelfth annual meeting of its kind, offers members of the college

Besides the visit to the Fermi project near Monroe, Michigan, the conference includes tours of other Edison facilities, meetings on the application of advanced computer systems in the electric power industry and reports on the company's engineering research program—including new ways of



Shown inspecting a nuclear exhibit in Atomic Information Center on the Fermi plant site are (L-R) Keith N. Newhouse, associate professor of mechanical engineering, University of Nebraska; C. R. Remington, Jr., professor of mechanical engineering, Missouri School of Mines & Metallurgy; and E. M. Aupperle, assistant research engineer, University of Michigan.

teaching profession a special opportunity to examine and evaluate practices in the management and operation of a large electric power business.

ACTIVITIES

(Continued From Page 1) Service Organizations

There are four major service organizations on the campus, the Student Union Board, Alpha Phi Omega, Blue Key and Theta Tau. It is extremely hard for a freshman to join either of the latter two. These two organizations are composed of older students who have shown themselves truly interested in the betterment of Missouri School of Mines.

Alpha Phi Omega, however is an organization largely composed of younger students with scouting experience interested in serving the campus. It would rate high on any list of important organizations for freshmen to join.

The Student Union Board handles all the activities in the Student Union and is therefore a fine organization in which to be interested. To become a member of the Board itself one must work his way up through one of its many committees.

INTRAMURALS

Missouri School of Mines has one of the best college intramural programs in the nation. This program gives the students a chance to get needed physical exercise, as well as a welcome diversion from their studies.

The program serves over 60% of the student body, in almost any sport from swimming to softball. This wide number of sports should give every student a chance to participate in this excellent program.

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Arlen R. Schade Receives Scholarship

A Palmyra, Missouri student, Arlen R. Schade, has been awarded an International Nickel Company, Inc., scholarship for 1962-63. Mr. Schade, a graduate of Palmyra High School, is a sophomore in Metallurgical Engineering at the University of Missouri School of Mines and Metallurgy, Rolla, Mo.

The scholarship, awarded on a year-to-year basis until the student graduates, will cover tuition, fees and a living allowance of \$300. In addition, a grant of \$500 will be made to the Metallurgical Engineering Department at the School during each year the scholarship applies.

Mr. Schade was selected for the award by a special committee of the faculty at the School of Mines and Metallurgy. He presently holds a sophomore Curators Award and a Foundry Educational Foundation at the University.

A consistent nominee to the Dean's Honor List, Mr. Schade is a member of the Gamma Delta and Beta Sigma Psi fraternities and the Men's Residence Hall Association.

The scholarship is one of several granted by International Nickel as part of the Company's continuing program of aid to higher education in the United States.

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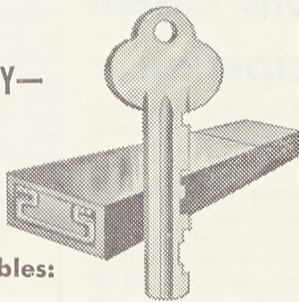
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Fraternities of MSM

The MSM campus has a total of sixteen social fraternities. Each of these fraternities has a house here in Rolla where the members and pledges live. These houses are all convenient to the school and all the fraternities serve their own meals.

To join a fraternity a freshman must first pledge for a period which usually lasts a little longer than a semester. As a pledge one is expected to perform certain duties. These duties are for the most part chores which one might be expected to do at home. At first this might not seem like the pledging one hears about at some other schools. It is quite true that schools have somewhat different systems. At other schools much of the work is done by hired help here at MSM however the students have preferred to keep the costs down and do the work themselves. As a result the cost of living in a fraternity is only slightly more than \$70 a month.

Though the advantages gained by joining a social fraternity are

on some campuses questionable, they are not so here at MSM. The fraternities sponsor an average of (Continued on Page 2)



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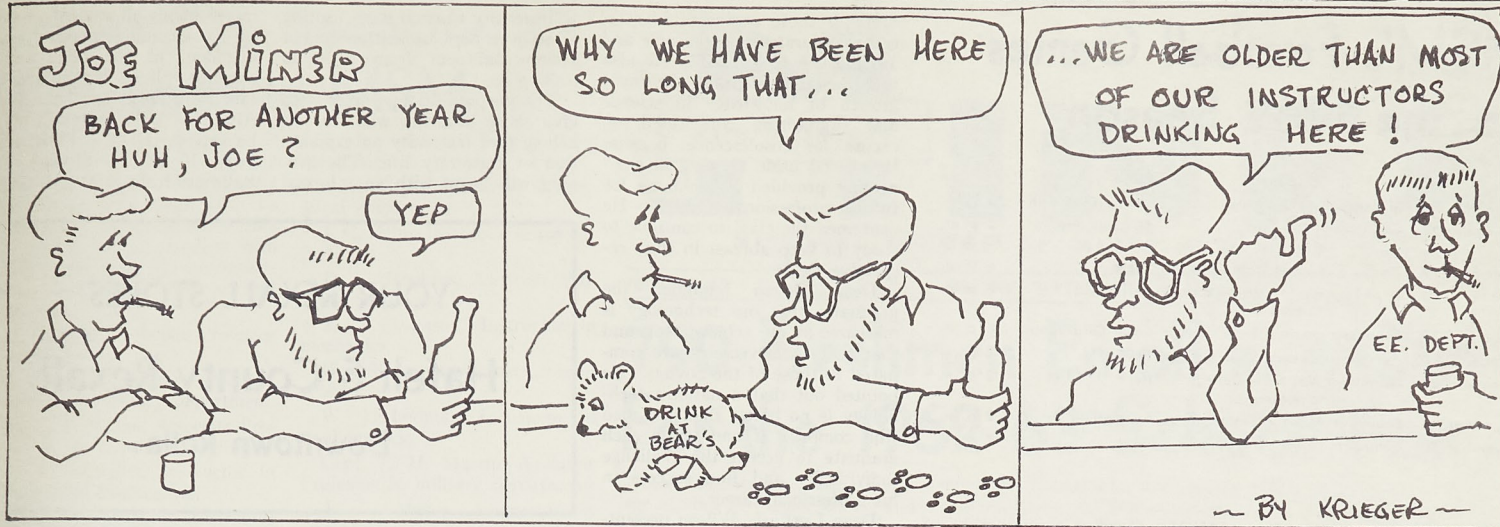
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Special Interest Groups Serve the MSM Campus

There are many organizations on the campus which serve as special interests. The Photo Club, the Radio Club, the Rollamo Staff, the Spelunkers, the Miner Staff, the Esperanto Club, and Glee Club might all be classified in this group. Each of these organizations have rather specialized activities. The names of the organizations speak pretty much

for themselves except in the case of the Spelunkers and the Esperanto Club. The Spelunkers are interested in exploring caves, and the Esperanto Club is interested in studying a new international language of the same name.

The organizations are all quite good for a person whose side interests lie in any of these particular fields.

MRHA Governs MSM'S Four Residence Halls

The Men's Residence Halls Association is an organization composed entirely of residents of the dormitories. This organization sprang to life to fulfill the need of a governing authority of the dorms. All members of the school dormitories are members of the MRHA and are encouraged to

take an active part. The officers are elected by the majority vote of its members.

Excellent food is provided by Rayl Cafeteria.

Many events, sponsored by the MRHA, are held during the year which include Mixers, Outings, and Intramural Sports.

ACTIVITIES

(Continued From Page 1)

Religious Organizations

The campus is lucky to have such an active group of religious organizations. Practically every major faith is represented on the list and many of the groups are lucky enough to have houses which are expressively reserved for their meetings and activities.

Above all each student should join the religious organization of his faith.

Department Organizations

Each department has one or more organizations which it encourages its students to join. Each incoming freshman should join one, in his department for two good reasons. These organization's meetings usually have some entertainment that is related to the practice of that particular type of engineering and this entertainment gives the student a chance to see just what he is headed for so that he can decide if he likes that field or not. The meetings also give the freshman a chance to meet the professors in his department before his junior year when he really begins taking courses in his chosen field.

These organizations also have very good activities for the student to participate in. They have committees and offices which give a student valuable experience in the handling of a group's affairs.

(Continued on Page 4)

TRADITIONS

(Continued From Page 1)

are not willing to carry a large shillelagh then carry a small, cane-like shillelagh for the period before St. Pats.

Each year on the weekend nearest St. Patrick's Day the school gives everyone a holiday for five days (Wednesday thru Sunday). At this time the St. Pats Board organizes the annual St. Pats celebrations. A Queen is chosen and floats, which have been under construction for many weeks, are shown off in a parade, dances are held up at the school Friday and Saturdays nights, and a student is elected by the St. Pats Board to portray St. Patrick himself. This celebration is the most important thing in the school year and it is considered very poor to leave Rolla for the free days.

The pretty young Army nurse was being shown through the hospital where she was to be stationed. Opening the door to one ward her nurse companion warned, "These are the most dangerous cases. They are almost well."

Alpha Phi Omega Initiates New Members

Beta Omicron chapter of Alpha Phi Omega, a national service fraternity, initiated last semester forty new members. The impressive ceremony and banquet was held in the College Inn room of the Edwin Long Hotel. Guest speaker Professor A. W. Schlechten of the Met. Dept. delivered a dynamic speech on "The Necessity of Higher Education."

All members of APO were at one time Boy Scouts who now, as college men, wish to render service to their campus, community, and nation. From its beginning at Lafayette College in 1925, Alpha Phi Omega has grown to a national fraternity of more than 320 chapters.

APO men here at Missouri School of Mines participate in promotion of Red Cross blood drives, serve as ushers and guides at campus functions, assist local Scout troops, erect "Keep off the Grass" signs, and operate a Campus Book Exchange the first two weeks of each semester in the Student Union.

You can tell this is a small town. A fellow with a black eye doesn't have to explain. Everyone knows already.

The dollar today is like a quarter-horse—built for speed, not endurance.

A clever person puts his problems away for a brainy day.

Proof that man descended from some type of animal lies in the fact that half the world goose-steps while the other half pussy-foots.

Ideas are like children—your own are wonderful.

UPTOWN THEATRE

MOVIES IN CINEMASCOPE

Fri., Sat. Sept. 7, 8

'Madison Avenue'

Dana Andrews & Eleanor Parker

Sun., Mon., Tues., Wed. Sept. 9-12

Sunday Feature Shown

1:15, 4:00, 6:50, 9:20

'Birdman of Alcatraz'

Burt Lancaster & Thelma Ritter

RITZ THEATRE

MOVIES ON WIDE SCREEN

Fri., Sat. Sept. 7, 8

'Good Day for a Hanging'

Fred MacMurray & Maggie Hayes

—PLUS—

'The Amazing Transparent Man'

Marguerite Chapman & Douglas Kennedy

Sun., Mon., Tues. Sept. 9-11

Sunday Continuous from 1 p.m.

'Bachelor Flat'

Tuesday Weld & Richard Beymer

—PLUS—

'Francis in the Haunted House'

Mickey Rooney & Virginia Welles

Wed., Thurs. Sept. 12, 13

'Romanoff and Juliet'

Peter Ustinov & Sandra Dee

—PLUS—

'Cash on Demand'

Peter Cushing & Andre Morell

ROLLA DRIVE IN

SHOWS START AT DUSK

Fri., Sat. Sept. 7, 8

'The Pharaoh's Woman'

Linda Cristal & Pierre Brice

—PLUS—

'The Fiend who Walked the West'

Hugh O'Brian & Dolores Michaels

Sun., Mon. Sept. 9, 10

'The Pit and the Pendulum'

Vincent Price & Barbara Steele

—PLUS—

'Circus of Horrors'

Anton Diffring & Erika Remberg

Tuesday Sept. 11

DOLLAR A CARLOAD

'City of Fear'

Vince Edwards & Patricia Blair

—PLUS—

'Ride a Crooked Trail'

Audie Murphy & Gia Scala

Wed., Thurs. Sept. 12, 13

'Holiday for Lovers'

Jane Wyman & Clifton Webb

—PLUS—

'As Young as We Are'

Robert Harland & Pippa Scott

MSM's Football Games For the 1962 Season

Date	Opponent	Place	Time
September 15	St. Mary's of the Plains	Dodge City, Kan.	8 p. m.
September 22	Washington University	St. Louis, Mo.	2 p. m. (D. S. T.)
September 29	Pittsburg, Kansas State College	There	3 p. m.
October 6	U. of Tennessee — Martin Branch (Parent's Day)	Here	2 p. m.
October 13	Southeast Missouri State College	Cape Girardeau	8 p. m.
October 20	Northeast Missouri State College	Here	2 p. m.
October 27	Northwest Mo. State College (Homecoming)	Here	2 p. m.
November 3	Southwest Missouri State College	Springfield	2 p. m.
November 10	Central Missouri State College	Here	2 p. m.

Intramural Football Time Is Here Again

Again this fall the various clubs and fraternities are digging out their footballs in preparation for the coming intramural football season.

Triangle, Phi Kappa Theta, and Lambda Chi Alpha are all practicing diligently in the hope that they will again dominate the finals as they have the last two years.

Last year Triangle won the championship with Phi Kap and Lambda Chi finishing second and third respectfully. The year before it was Lambda Chi, Phi Kap and Triangle in that order.

But this is all past history and the coming season will no doubt have as many surprises as any before it. Let's attend the games.

GRANTS

(Continued From Page 1)

Representative of the Western Electric Fund to the School.

The second grant provides for a continuation of the Western Electric Fund Scholarship to an undergraduate student in the Department of Electrical Engineering. The scholarship has been active at the Missouri School of Mines and Metallurgy for the past five years. It is currently held by Clifford Delton Skouby, Highgate, Missouri. Skouby will be a senior in Electrical Engineering during the coming academic year. He has compiled an outstanding record at the School of Mines and Metallurgy, ranking 11 in a class of 626 with a grade point average of 3.56. His scholastic honors include membership in Phi Kappa Phi, Tau Beta Pi and Eta Kappa Nu fraternities. He has been the recipient of the Phi Kappa Phi Book Plate Award, the Gold Key Award and has made the Dean's Honor List each of the six semesters he has been in attendance at

MSM. Skouby is a member of Kappa Mu Epsilon and the Baptist Student Union.

Official presentation of the check to cover the graduate study grant and announcement of the scholarship renewal were made to Dean Curtis L. Wilson by Mr. Howerton and Mr. D. P. Wilkes, Works Manager, Kansas City Works, Western Electric Company, on a personal visit to the campus on July 9, 1962.

FRATERNITIES

(Continued From Page 2)

six dance weekends a year. For these weekends girls are asked down for Friday and Saturday and parties are held at most fraternities on both nights. These six weekends are about the only really regular social activities held on the campus.

The fraternities are also very nice for someone who is interested in joining a group which as a whole has the same basic interests and likes that he has. Some of the fraternities are small and others are large. Some fraternities are very active in campus organizations and others are content to avoid the rat race as it were and concentrate on other things. On the other hand some fraternities are quite interested in sports and others only mildly so. Out of the sixteen fraternities it is not hard to find one suited to one's interests and tastes. It should be mentioned that Phi Kappa Theta is a totally Catholic Fraternity and that Beta Sigma Psi is a Lutheran Fraternity.

No freshman, or for that matter upperclassmen should hesitate to visit the various fraternities and inquire about their particular way of doing things.

SUMMER COMMENCEMENT

(Continued From Page 1)

The problems of this age require further study and many graduate degrees in engineering are being conferred, but NASA alone will

need all those engineers who receive doctorates between now and 1970, Dean Hogan said. He also told the graduates that the rapid growth of knowledge in science and engineering constituted no excuse for obsolescence, because their good basic training in engineering provided a backbone for future professional growth. He cautioned the class to continue to study to keep abreast in their respective fields.

Dean Hogan reminded the graduates that our technology is measured by our achievements and that these achievements are compared to those of the Soviets. He pointed out that a nation's technology is no better than the men who comprise it and urged each graduate to accept the challenge individually and find success in his professional career.

Dean Curtis L. Wilson presented the candidates for degrees to President Elmer Ellis of the University of Missouri, who conferred Bachelor of Science degrees on 92 students and Master of Science degrees on 40 students. Colonel Glenn R. Taylor, Professor of Military Science, administered the oath of office to 14 students who were commissioned Second Lieutenants, U. S. A. R. The commissions were presented to them by President Ellis.

A special award to the MSM-ROTC band from the National ROTC Band Association was presented by Dean Curtis L. Wilson and accepted by Colonel Taylor.

ACTIVITIES

(Continued From Page 3)

They give many Miners the taste of responsibility that they need to become leaders in their engineering field.

IFC MIXER

This is a personal invitation to all those who are now missing the best part of college life. The In-

terfraternity Council is sponsoring a mixer on Sept. 10 at the Student Union Ballroom from 7:00 to 9:00 p. m.

The purpose of this mixer is to give those students who do not belong to a fraternity an explanation of fraternity life. The evening will begin with an informal

mixer among all students, followed by a welcoming speech from the president of the IFC, and the evening will be highlighted by a talk from Dean Curtis L. Wilson. After the talks refreshments will be served. DON'T FORGET — Sept. 10 at the Student Union Ballroom from 7:00 to 9:00 p. m.

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