



16 Nov 1962

The Missouri Miner, November 16, 1962

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Robert Lewis Honored by Registrar's Association

Missouri School of Mines and Metallurgy Registrar and Director of Admissions Robert B. Lewis has been elected President of the Missouri Association of Collegiate Registrars and Admissions Officers. Lewis, who received the honor at the Association's annual meeting held November 6th at the University of Missouri at Columbia, has been on the staff of the Missouri School of Mines and Metallurgy since 1958. He is a graduate of the University of Missouri. Lewis was vice-president of the organization last year.

The Missouri Association of Collegiate Registrars and Admissions

Officers draws its membership from university, College, and junior college officials from institutions of higher learning in the state.

At the annual meeting in Columbia with Lewis was Assistant Registrar of the Missouri School of Mines and Metallurgy David N. Taylor.

Included in the annual meetings are exchange of ideas and discussions of problems facing the college admissions officials which are caused by the ever-increasing student enrollment being felt in the state's many private and public colleges and universities.

Open House to Be Held For Highschool Students

Dr. Curtis L. Wilson, Dean of the Missouri School of Mines and Metallurgy, has extended a cordial invitation to all high school juniors and seniors, junior college sophomores, and their parents and school counselors and administrators to visit the Missouri School of Mines and Metallurgy on Engineers Day, November 17th. The annual event is intended to acquaint the guests with all phases of college life, providing first hand information about the facilities, the administrative and academic operations and the cultural and

social offerings at the school. Information will be available on student activities, costs, scholarships, loans and related questions which the prospective student might have.

The open house will be held from 8 a.m. to 5 p.m. (CST) and visitors will be asked to register in the Student Union Building. After registration the visitors will be conducted in small groups in tours of the campus where the various departments will have informative displays. The School offers instruction leading to degree programs in Mining, Petroleum, Metallurgical, Nuclear, Chemical, Ceramic, Electrical, Mechanical, Geological and Civil Engineering and applied science degree programs in Petroleum Refining, Chemistry, Physics, Geology and Applied Mathematics. The School's Department of Military Science maintains the largest Army Corps of Engineers Reserve Officer Training Corps Program in the nation. The School's nearly 3500 students represent 49 states and 42 nations.

Under the directorship of Professor Ralph E. Lee with the aid of a \$30,000 grant from the National Science Foundation. Almost from the start it was difficult to keep up with the demand for computer time. An appeal to NSF in the fall of 1961 resulted in another grant to partially support the expansion of the Computer Center. A second computer, the IBM 1620, was delivered in August 1962. This computer is capable of performing over 100,000 mathematical operations per minute, which is considerably faster than the LGP-30. The addition of an IBM Line Printer which will print 150 lines per minute with 120 characters per line will also add to the capacity of the Center when it is delivered in January. Both computers are in operation up to 16 hours per day at the present time and are expected to be in use 24 hours a day, seven days a week by the fall of 1963.

The popularity of the computer is shown by the fact that approximately 300 students are enrolled this semester in computer courses, and only Mathematics major curriculum requires them for graduation. Approximately one-third of the computer work is done for research and has aided many graduate students and faculty members in their work.

The Computer Center Commission (Continued on Page 8)

The Missouri MINER

MISSOURI SCHOOL OF MINES AND METALLURGY

VOLUME 49

FRIDAY, NOVEMBER 16, 1962

NUMBER 11

DeMarquis Wyatt, MSM Alumnus, To Speak on NASA Operations

DeMarquis D. Wyatt, Director of the Office of Programs, National Aeronautics and Space Administration will be on the MSM campus on November 20 to talk to the faculty, students and townspeople on the efforts of scientists to conquer the problems of space travel. He is scheduled to speak to the faculty of MSM in the afternoon on research proposals and related problems.

At the evening (7:30 p.m.) in the ballroom of the Student Union Building, Mr. Wyatt will speak on NASA's missions in the United

States Conquest of Space. Tremendous scientific and engineering effort is required to orbit a man around the earth, to orbit the moon and to place instruments or a man on the moon. Exploration of Mars and Venus are real possibilities. Mr. Wyatt will speak on NASA's plans to accomplish these various missions. Secrets of the universe such as extraterrestrial life, and origin of the universe, life in other solar systems may be unlocked by research data resulting from NASA research programs.

Some immediate problems include design of higher powered boosters, how to get a man beyond the Van Allen belt, how to live in space, protection of electronics systems, chemical, electrical and nuclear propulsion systems, and finally, now can the universities aid NASA in their research needs.

The program is being sponsored by Sigma Xi and the American Rocket Society Chapters on the campus. All students, faculty and townspeople are cordially invited to attend.

Mr. Wyatt was born in St. Joseph, Mo.; received Bachelor of Science degree in Mechanical Engineering from Missouri School of Mines and Metallurgy; test engineering with General Electric Company, 1941-1942; Instructor in Mechanical Engineering at Missouri School of Mines and Metallurgy, 1942-1944; joined the National Advisory Committee for Aeronautics at the Lewis Flight Propulsion Laboratory, Cleveland, Ohio, in 1944 as a research engineer specialized in supersonic propulsion research, rising to Associate Chief, Propulsion Aerody-

namics Division transferred to NACA Headquarters, Washington, D.C., in September 1958; with absorption of the NACA into the National Aeronautics and Space Administration (NASA) on October 1, 1958, became Techni-



DeMARQUIS D. WYATT

cal Assistant to Director of Space Flight Development; in February 1, 1960, became Assistant Director for Program Planning and Coordination of Space Flight Programs; and on June 1, 1961, became Director, Office of Programs.

In the position as Director, Office of Programs, he is responsible for integrating NASA technical program requirements and agency resources into an operable program. The Office reports to the Associate Administrator of the National Aeronautics and Space Administration.

MSM Alumnus Donates Paintings to School

The School of Mines was the recipient of a gift from Mr. John W. Bodman '10, for the purchase of reproductions of original paintings for the Student Union. Two paintings were chosen by a committee and they are now hanging in the Snack Bar and Music Room of the Student Union.

A reproduction of Missouri's famous artist Thomas Hart Benton's "Threshing Wheat" now adorns the wall of the Snack Bar and a reproduction of Rembrandt's "Portrait of the Artist" is in the Music Room. These are large reproductions, 40" by 72", and they are the first pictures in the Student Union other than the painting of "Utah Copper Company" which was moved from Parker Hall.

Mr. Bodman received his B. S. degree in Mining Engineering at MSM and in 1916, he was awarded the professional degree Chemical Engineer. After graduation he joined Peet Brothers as a chemist, and in 1912, he became af-

iliated with N. K. Fairbanks Co., and was a Chemist, Director and Manager. From 1918 to 1925, he was with William Barrique and Company and became president of that firm. In 1925 he became research director of the Lever Brothers Company and later was Technical Advisor to the Board of Directors and Management. Since 1953 he has been doing consulting work.

Mr. Bodman holds thirty patents mainly in the field of soaps, detergents, and edible oils, both in processes and products. He has designed numerous plants for process and production.

Mr. Bodman is a member of the American Institute of Chemical Engineers, American Chemical Society, American Institute of Chemist Fellow, American Association for Advancement of Science, National Research Council, and Member, Navy Bureau of Standards 1944.

Mr. Bodman, his wife and (Continued on Page 8)

DUE TO THE
THANKSGIVING
VACATION
THERE WILL NOT
BE A MINER
NEXT WEEK

Editorial Comment

Several Causes for College Cheating

by James Reid Waring

NOTE: It should be explained that an Editorial Comment is not an Editorial in the sense that it is the Editor's views. It is rather an expression of an individual's views that are in part those of the Editor's.

To most people it is obvious that the moral climate of this country is becoming more and more decadent. Everyone has become a demon concerned only in advancement of the pseudo-societies regardless of the cost or methods used to obtain this purloined status. "Beat the game," and "something for nothing," have become the key phrases of this generation. Rolla, like every other town in America, is a classic example of this demented attitude.

This decay is most readily observed in the way that people cheat. Everyone cheats . . . be it a lot or be it a little; some cheat on their wives, some cheat on law, and some cheat on everything. Cheating has become so flagrant that the rules must be relaxed so that a person isn't too persecuted by his conscience, truly a policy of gross rationalization. If a person isn't honest with himself, have the standards lowered till they conform with his will? In the close society of a college campus one has an excellent chance to observe the "cheaters." The commonest and easiest people to study are those who cheat on exams.

Connotatively the word "cheat" causes people to wince but if it is put in nicer terms, a decent and informative conversation can be carried on with almost every student. The most common reply is, "I never cheat . . . unless I have to." Can there be a legitimate reason for cheating, or is this another example of human rationalization?

This is an engineering college and everyone expects it to be difficult, but there are certain instructors who are obsessed with their powers and are determined to impress their importance on their captive audiences. While the majority of the instructors are fair, there are some who are dedicated to the idiotic practice of "failing the whole class if I have to." Examples of this fallacy are found in nearly every department.

Some instructors require their students to memorize some twenty or so formulas a week. In most cases this is unnecessary. An open book test would show the students skill, for there isn't time during an exam to learn how to use a formula. The formulas, in most cases, will never be used by the student, and if they are, usually a hand book can furnish the information. The sad truth is that students will take an open book test whether the instructor knows about it or not. Here the only way a student can hope to pass is by cheating.

There is the group of instructors who feel a need of perfection in their students, a very idealistic hope. A complex problem, which requires dexterity to perform, may lose from 40% to 100% on a simple math error which is very easy to detect such as $2 \times 4 = 2$. These men must realize that their job is not to find every little mistake that can be made. Tests are evaluations of the student's knowledge of the subject at hand.

Generally the major reason for the amount of cheating that is carried on is even above the responsibility of the instructors. The whole school system worships only one god, the grade point! The stress is taken from knowledge and put on grades. The question asked is, "What is your grade point?" Most people, instructors and students alike, will agree that the person who gets the highest grade isn't always the smartest. Grades are placed above knowledge and teaching. An example of a progressive college in the aspect of teaching, would be Reed College in Washington. Tests there are confined to the senior year, and the most tested material is that which applies to the major subject. There is no reason to cheat there for it is of no avail. Here it is necessary to cheat because there is only one thing that the school wants to know, "the total of your test grades divided by the number of tests." No where is there any mention of how much the student knows. Maybe it is true that the present system is capable of determining this.

A student can usually sense, after the first exam, how ruthless the instructor will be towards his class. If the instructor smiles when he says, "98% of you will fail, and I expect 75% to drop before mid or I will flunk you all," the student may expect to do some pretty stiff cheating or he may drop the course. It is necessary for him to fight with all of his resources in the seemingly losing battle. The instructor has made honesty not the best policy because he has set standards ridiculously above what he can hope to obtain from his class.

College is the last proving ground before entering society. Here, one might say, a person acquires his social conscience, or at least one which will serve him for the first few years that he is on his own. When a person is forced to accept the fact that cheating is necessary, he is hardly ready to contribute anything of worth to the society into which he is entering. While the ultimate responsibility for his moral character is the individual, there are many who greatly affect his final decision, among these are certainly those who are responsible for his education. Instructors who are teaching because it is a game or some giant folly are the true cheaters, for they are cheating everyone.

Red Cross Thanks MSM Students

Dear Sir:

The Phelps County Chapter, American Red Cross, wishes to thank the A. P. O. organization, their president, Dave Hemmel, and Dennis Worley, MSM chairman blood drive, for a job well done on behalf of the Blood Program for October. They took full charge of all campus activities, including recruitment, publicity, and handling of equipment, with efficiency and drive.

Congratulations to Phi Alpha Fraternity, who won the drive by having the largest percentage of donors, and Phi Kappa Theta Fraternity for running a close second.

Out of a total of 178 donors, 99 were MSM students, so thanks a million for your help in keeping Phelps County in the Blood Program.

Sincerely,
Alma Fuller
Chairman, Blood Program

Student Council Minutes

A letter was received from Prof. G. G. Skitek, Chairman of the Commencement and Public Occasions Committee, thanking the Council for assistance on Parent's Day.

Clark reported the Traffic Committee stated drapes are placed over "Permit Required" signs on ROTC drill field when parking is required. Motorcycle parking lots are being marked.

Burchill reported faculty approval of flying Missouri State flag on football field.

Elbert stated further research is being done on Thermo-Fax machine prices.

Mark Martin moved seventy-eight dollars-as estimated cost of sign advertising the school on Highway 66. Seconded by Kettler. Motion carried.

Meehan moved to amend the appropriation for the Glee Club to read five hundred dollars. Seconded by Brunjes. Amendment passed. Motion defeated.

Marshall moved reconsideration of motion for Glee Club. Marshall moved the motion read three hundred dollars. Seconded by Piemann. Second amendment passed, first amendment defeated. Motion carried.

Jauer moved to appropriate one-hundred dollars for MSM Model Railroad Club. Seconded by Marshall. Motion defeated.

There being no further business, the meeting was adjourned.

To the Editor

The oft told tale of the aspirations of one particular department of MSM to create a test with the lowest average ever, has recently again been displayed.

This latest attempt could have succeeded had a few slightly more difficult problems been used to supplement one particularly carefully conjured problem.

It was later reported to those who had received this particular problem that, not only was the answer given on the answer sheet wrong (the problem was worked by its originator), but that when attempts to correctly solve the problem were made, several instructors had difficulties.

Obviously it is ridiculous to have a problem on an hour exam, along with four other problems and ten questions, that gives instructors difficulties in arriving at the correct solution.

Possibly it should also be mentioned that one instructor commented that anybody who worked that problem right, could probably get through the course by just taking the examinations; attendance at class would be unnecessary.

Congratulations for a good try to all those responsible.

Signed,
Disgusted Student

PLAN NOW TO ATTEND

THE IFC SING

NOV. 30 AT 8:00 P. M.

STUDENT UNION

BALLROOM

Directory of Organizations Available at S. U.

The Student Council is going to sponsor a directory containing the names, addresses and phone numbers of the officers of all the organizations on campus. The directory will be located at the cigar counter of the Student Union and may be viewed there at the request of any student, faculty member or other interested parties.

It will be up to the individual organizations to see that their page in the directory is kept up to date. Forms are now available at the counter or upon request from your Council representative. Since this service is a benefit to the organizations they are asked for full cooperation in keeping the directory up to date, however, if it becomes obvious that an organization is delinquent in bringing their page up to date, a reminder will be sent to them.

MINER

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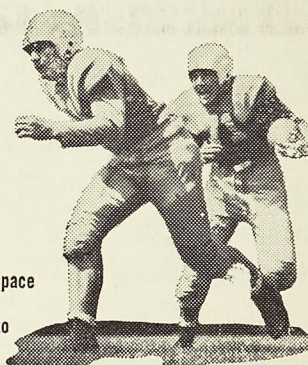
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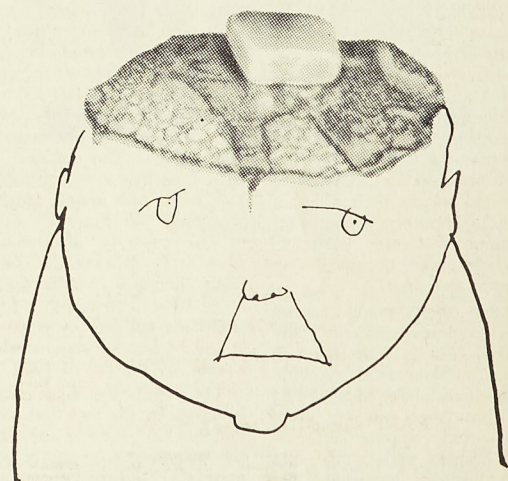


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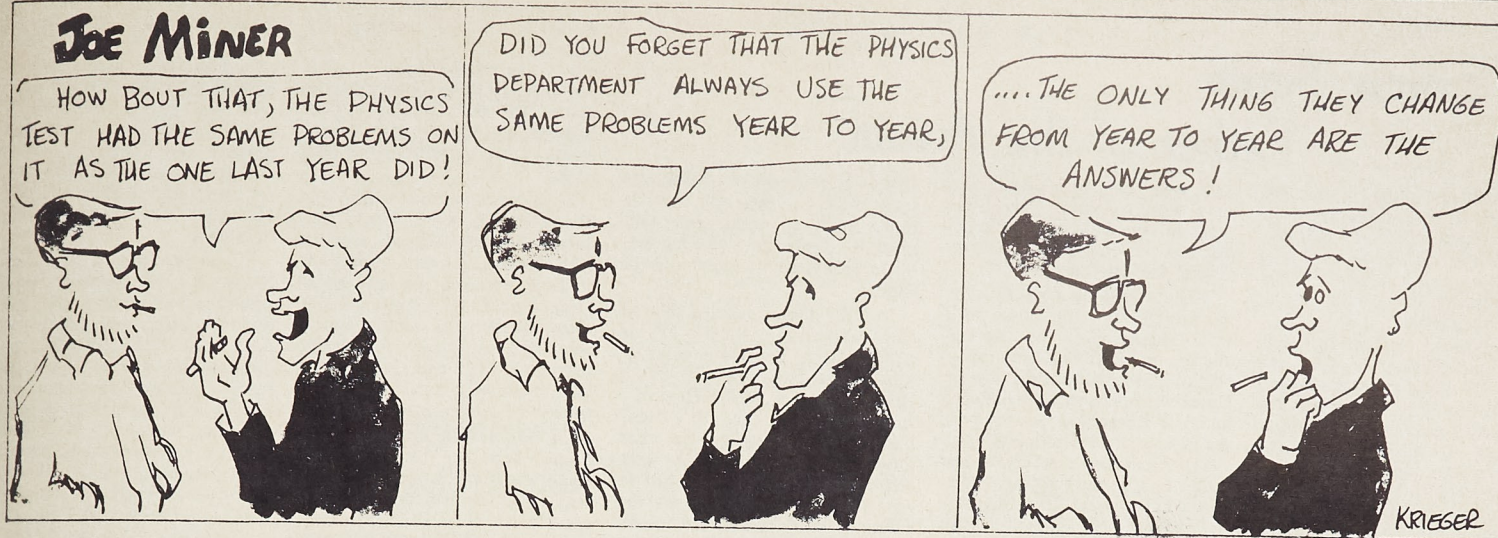
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FAMOUS SCIENTISTS

Enrico Fermi "Father of the Atom"

A previous article in this column was devoted to the life of the great scientist, Albert Einstein. This article shall be devoted to a contemporary of his, Enrico Fermi, who seems in every way the opposite of Einstein.

Enrico Fermi was born in Rome, Italy, on September 29, 1901, the son of an executive in the Italian railroad industry. Enrico was the youngest of a family consisting of two boys and a girl. Because the three children were born so close together, Enrico had to be raised for his first year by a nurse away from his home. Soon after being brought home and being introduced to his family, he became strongly attached to his brother. Through their boyhood the two brothers shared their games and their interest in mechanical devices. They became inseparable. Then, when his brother was six-

teen years old, he suddenly died of a throat abscess. This left a great emptiness in young Enrico's life that was to cause him to turn inward to himself for a time.

While still in his boyhood, Fermi met friends in the adult world who, recognizing his unusual ability, provided him with books first of mathematics, then physics. Fermi was not long alone but soon found a companion or two with which to share his interests.

Fermi received his formal education in the universities of Göttingen, Leiden and Rome. In 1922 he received his doctorate from the university of Pisa.

From 1924 to 1926 Fermi lectured at the University of Florence. He was even then recognized as outstanding among his colleagues and was later nicknamed the "Pope" because of his authoritative manner. In his circle of

friends he was always a leader. He took pride in being the best among them in what ever they might be doing, be it playing tennis or volleyball or climbing in the Alps.

In 1927 Fermi decided that he could afford the luxury of an automobile or perhaps a wife. He returned to Italy that fall with a Bebe Peugeot, a 1927 version of a small economy car. It found plenty of use running up and down the country side on week ends. Fermi became interested in one of the young ladies in the group, a Jewish girl named Laura, a former student of his, and on July 19, 1928, they were married.

In 1927 a chair of theoretical physics was created at the University of Rome. Fermi was immediately appointed to this position and remained there until 1938. During this period he and his fellow workers began experiments on the effects of neutron bombardment on the various elements. The first seven elements on the periodic chart showed no effects, but Flourine and the elements following all underwent a change of mass.

After experimental data revealed that radioactivity of an irradiated substance (iron) varied with the position of the substance and the source of radiation within their lead box (one level of radiation produced when in the corner of the box, another when in the center), Fermi reasoned that slower moving neutrons would more likely remain in the substance thereby making it more light hydrogen atoms between the source and the substance to be ir-

radiated would absorb some of the energy of the neutrons. The substance could then be made more radioactive than it could possibly be made by previous means. He and his co-workers verified his theory with experiments using paraffin and later water.

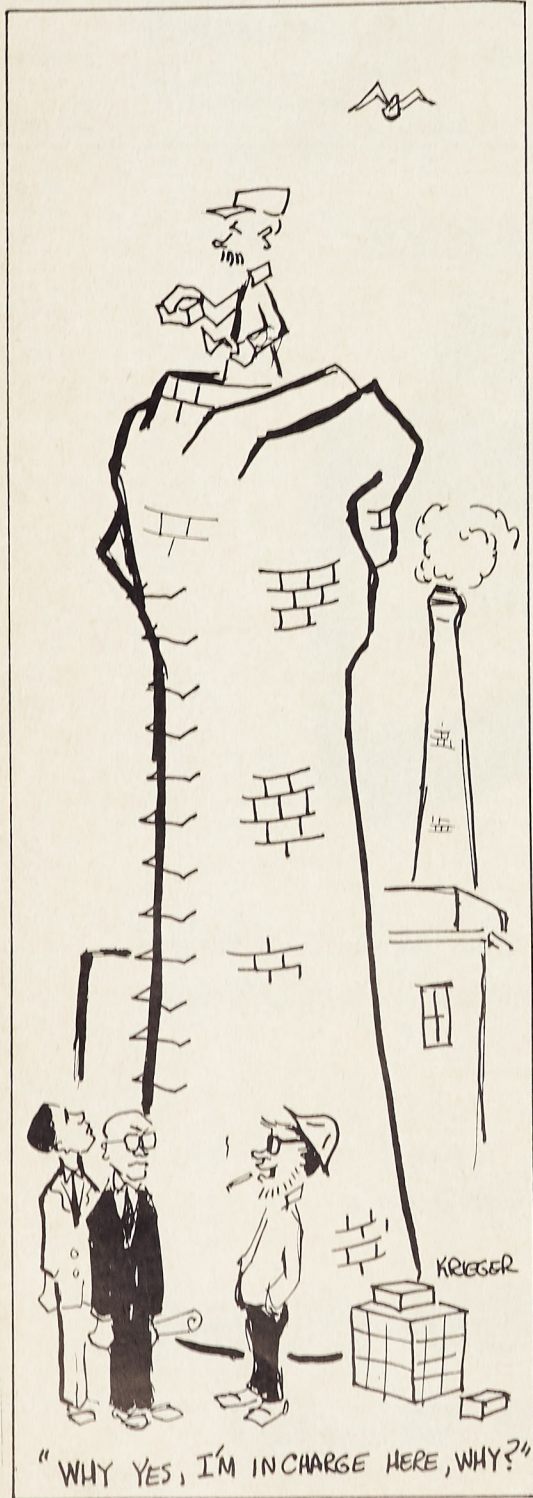
With slow neutrons Fermi and his co-workers were able to produce what they believed to be the 97th element. For this work Enrico Fermi received the 1938 Nobel Prize. Because of Fascist policies, when the Fermies went to Stockholm to receive the Nobel prize they took their two children and their maid with them with no intention of returning to Italy.

Of this period, Mrs. Fermi recounts how her daughter came home from school one day saying that the Nuns had taught her to pray to the child Christ, to God, and to Mussolini. Mrs. Fermi

tried to tell her daughter that Mussolini would probably not hear her prayers. The daughter then asked what Mama and Papa believed. To this Mrs. Fermi replied that Mama believed in God and believed that Christ was a prophet and Papa was not sure that there was a God. The daughter then asked if Papa believed in Mussolini. Mrs. Fermi was unable to answer.

Upon arriving in the United States in 1938, Fermi accepted a position at Columbia University. Soon he, along with other scientists, realized the potential explosive power of atomic fission. After many appeals of Fermi and some of the other immigrant scientists, including most of all Einstein, the U. S. government initiated what was later to be called the Manhattan Project. It is notable that all of the scientists who work-

(Continued on Page 8)



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IFC Instrumental in Local United Fund Drive

On Friday evening, November 9, the IFC in conjunction with the pledge IFC, pooled their efforts to help with the United Fund Drive throughout the city of Rolla.

The United Fund is a group of charitable organizations combined into one, the proceeds of which are distributed among the various member organizations.

Jim Allison of Phi Alpha was the coordinator of the project. He designated members of the pledge IFC as group leaders, under whom the members of the various pledge classes worked to complete their sections of the city.

Stickers designating United Fund contributors and first aid cards were distributed to the people contacted during the drive. An explanation of the purpose and background of the project was also given by the pledges.

This project was another in the

series of charitable projects undertaken by the IFC in recent years. Others included work done in helping the Lion's Club of Rolla and the Greek Week Carnival for the benefit of Boy's Town of Missouri. By soliciting funds for the United Fund, the IFC continued in its efforts to assist our community in whatever way possible.

PIFC Organizes, Elects, and Forms Constitution

Growing fast in interest, purpose, and value is the newly formed Pledge Interfraternity Council. The organization was started last year for the purpose of promoting the fraternity system and assisting the IFC by way of a united pledge body.

The major part of the PIFC's first year of activities was concerned with developing interest in the group and forming an effective constitution. During the second semester, the group aided in the successful functioning of the Greek Weekend. IFC rush material was sent out by the PIFC also.

This year the officers are Bill Trejbal, Kappa Sigma, president; and Pete Pulis, Phi Alpha, secretary-treasurer. The IFC adviser is Tracy Boyer, Kappa Alpha, and the faculty advisor is Professor Murphy.

One of the recent Council projects was the United Fund drive on Friday, November 9. The program was coordinated through the IFC, and stickers and first aid pointers were given out.

Recently a committee has been set up to revise the constitution so as to make it acceptable for the Student Council's ratification.

With the ratification of the constitution and the support of all pledge classes, the Pledge IFC can become a tremendous asset to the Greek system at MSM.

Greek News

SIGMA PHI EPSILON

This weekend was especially active as the pledge dance was held. The activities started with a drop-in party Friday night. The tempo picked up as more dates arrived and it was a really good party.

Saturday afternoon several of the brothers took their dates to see the Miner football game. When they returned they found the pledges busily at work putting up the decoration for the dance that night.

The party started when Walter Flagg and his Morrocos arrived from St. Louis. They were greatly improved from their last appearance and a fine time was had by all who were in attendance.

PHI KAPPA THETA

This past weekend the pledges of Phi Kap, feeling rather sure of themselves, challenged the actives to a game of red-rag football. The event took place on the intramural football field at 1:30 Saturday. Much to their dismay, the pledges found themselves falling short of their anticipated accomplishments. The final score was 35 to 13 in favor of the actives. After the game the entire chapter journeyed to Lions Club Park for an outing which was enjoyed by everyone.

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Christian Science Organization

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SIGMA PI

Things are about back to normal at the Sigma Pi house now that mids are over and everyone is looking forward to the Thanks-giving vacation.

Their basketball team, coached by Chester "Wilt" Vogt, is looking forward to a very successful season this year. They played their first game Tuesday night and play another tonight.

Sigma Pi recently pledged Jim Nordstrom, a freshman M.E. from Bloomfield, New Jersey. His pledging makes the size of the pledge class an even 20 men.

Ben Ebert is recuperating from his recent illness at his home in St. Louis. We hope that Ben will be back soon, the pledges really miss him.

Recently pinned were brothers Bill "Truckdriver" Loth to Miss Dolly Pettine and Ken Masters to Miss Mary Reynolds.

tions of the big top.

Tuesday, November 20 "PLYMOUTH ADVENTURE"

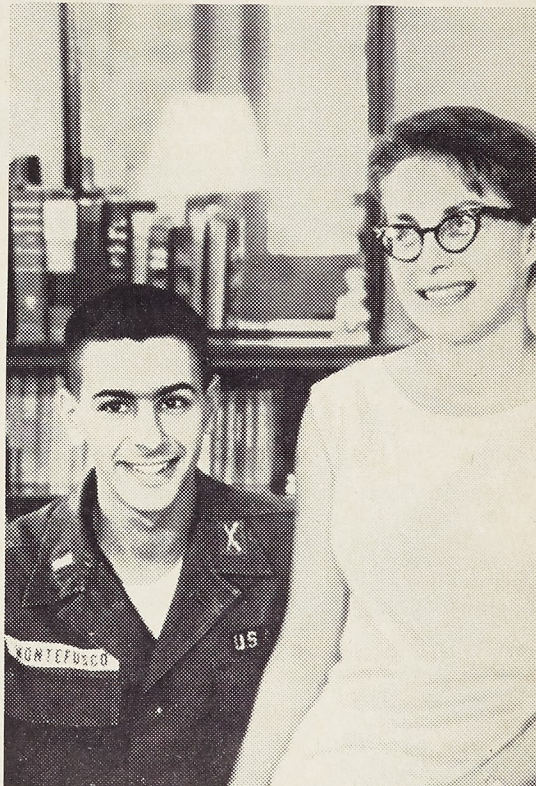
The epochal sea voyage of the Pilgrim Mayflower is dramatically re-created, with the love story of Priscilla Mulens and John Alden developing below decks, and Captain Christopher Jones aboveboard guidance of a harrowing voyage.

Starring Spencer Tracy, Van Johnson, Gene Tierney, Leon Genn and Dawn Adams. Directed by Clarence Brown.

Wednesday, November 28

Robust comedy of wartime service on a south sea island remote from combat. The officers and men of a U. S. Navy public relations section experience their unique battle fatigue, caused by a pompous, promotion-hungry commanding officer, an unscrupulous newspaper correspondent, visiting congressmen, and complicated love affairs that cross lines of military rank.

Based on the novel by William Brinkley, featuring Glenn Ford, Gia Scala, Earl Holliman, Anne Francis, Keenan Wynn and Eva Gabor.

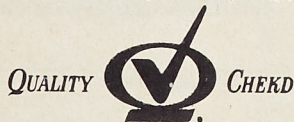


LIEUTENANT JOHN MONTEFUSCO, HISTORY MAJOR, CLASS OF '61

"If I had it to do over again, would I take Army R.O.T.C.?"

My wife and I are in Panama at the moment. She likes it. You know, Officers' Club, dances—that sort of thing. I like it, too. But whether I stay in the Army or not, the question is: Would I take Army R.O.T.C. if I had it to do over again? Yes, I certainly would. In spades, I didn't realize how lucky I was. At the time I figured: Okay, so I'll get my degree—get an Army commission, too, and pick up some extra money along the way! I wasn't the leadership type, I thought. I was wrong. Boy, was I wrong! Looking back on it, I wouldn't trade the leadership training I got for anything! Take my word for it, leaders are made—not born! Whether I stay in the Army or not, nobody can take away what I've learned. And let's face it, where can anybody my age step out of college and walk into a standard of living this good? Look, if you have already invested two years in college ROTC, take it from me: *Stick it out!* It'll be one of the smartest things you ever did. I say so."

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Organization News

Newman Club Is Entertained by Father O'Brien

An informative and entertaining meeting of the Newman Club was held last Thursday evening. Following a short business meeting, the Reverend Jim O'Brien spoke on *The Catholic Church Can Be Wrong*. He explained how small factions and individuals, even the Pope himself, may be wrong, and gave classical examples. Among these were the selling of indulgences, the Spanish Inquisition, and the questionable personal behavior of some of the popes. Father O'Brien explained that a misunderstanding of what is meant is the cause of many of these errors, and showed that when the Pope speaks as the head of the Church, he cannot err regarding matters of faith or morals. Questions were answered about the veneration shown the saints and the reverence shown the Blessed Mother. He explained his hope that the encyclical council may clear up many of these misunderstandings. Father O'Brien is a member of the Redemptorists, an order of priests performing much missionary work. He will leave next year to join other priests doing missionary work along the Amazon.

It was announced that the speaker for the next meeting will be Monsignor Patrick Molloy. The title of his talk will be *The Church and the Negro*. Monsignor Molloy is well qualified to speak on this subject. He is well known in many parts of the country as an authority on the subject, and his work in this field has been extensive, particularly in the St. Louis area. Among the speakers for future meetings is Monsignor Louis Meyer who will talk on the nature of sin.

Following refreshments, a movie entitled *The Jazz of Dave Brubeck* was shown. It was particularly interesting in its explanation of the composition of jazz.

MSM's Bands Looking Forward To a Big Year

The MSM band, consisting of three units, the marching band, the concert band, and the dance band is again having a fine year.

The football band has performed at all home football games and one road game at Cape Girardeau, Mo. The shows have included a pregame and a half time performance. At the present time the marching unit has 64 members on its rolls.

The dance band, widely known as the "Drifters," has begun rehearsals and are anxiously awaiting upcoming jobs. The "Drifters" consist of 16 pieces which compose two combos.

The Concert Band is starting rehearsals on Monday, November 12, at 4:30 p.m. in the band building. Presently there are 70 members.

Last year the Concert Band performed two concerts on the MSM campus and is looking forward to playing for the students again this year.

ward to playing for the students again this year.

The concert unit will again hope to present tours to high school assemblies in the Spring as good-will publicity gestures. The band in the past two years has played before more than 10,000 high school students on their tours. Mr. David Oakly, band director, as in the past, has selected a variety of music which should prove to be very entertaining to the band's listening audience.

"Last Round up" Theme of Dames Dance Nov. 17th

On Saturday, November 17, the University Dames are planning to have a Western Dance, with the theme being "The Last Roundup." The dance will be held in the Student Union Ballroom from 8 to 12 p.m. and everyone is looking forward to this dance being one of the big events of the year. The dress will be western style or casual. There will be an exhibition square dance and the Drifters will furnish the music for dancing. The tickets are \$1.00 per couple and can be purchased from any of the following:

Judy Coates, 1301 High Street. Marty DeMay, B-2 Plaza Trailer Court. Lynne Harris, 1404B Elm Street. Phyllis Hunt, 108 East 16 Street. Sandy McGhay, A-1 Huffman Trailer Court. Sue Nelson, 1802A Walnut. Carol Williams, 224 Nagogami Terr.

The Dames held their last meeting on Thursday, November 8, at 7:30 p.m. in the Student Union Ballroom. The guest speaker was Dr. Barbara Russell who spoke on care of small children. Canned goods were brought for needy families for Thanksgiving.

Baptist Student Union Sponsors Clinics, Banquet

The first of a series of three music workshops will be held on Saturday, November 17, at the B.S.U. located at 509 W. 11th Street. The other two will be held the first and second Saturdays in December (the 1st and the 8th).

Each of these workshops will be composed of two sessions. The first session will be from 1 p.m. until 2:30 p.m. and will be on Song Leading. The second session will be from 2:30 p.m. until 4:00 p.m. and will be on Parts Singing. Everyone is cordially invited to attend.

Each year the B.S.U. sponsors a banquet for all foreign students and B.S.U.'ers. This is a traditional Thanksgiving turkey dinner with all the trimmings. The banquet costs B.S.U.'ers seventy five cents and is free to all foreign students.

The featured speaker will be the Rev. Jack Taylor, Pastor of the Ridgeview Christian Church. He will perform his magical acts.

The banquet will be held at 6:30 p.m. Tuesday, November 20, in the educational building of the First Baptist Church located at 9th and Cedar Streets.

All reservations should be in at the B. S. U. center at 509 W. 11th Street by today, November 16.

WW II Veteran Talks at Christian Science Meeting

Christian Science will be explored in a public lecture to be given here in the First Church of Christ Scientist, 7th and State on November 30, 1962, at 7 p.m.

Herbert E. Rieke of Indianapolis will be the speaker, under the sponsorship of the Christian Science College Organization.

Mr. Rieke is a graduate of Northwestern University, and served during World War II as an Army Air Corps Chaplain in India, North Africa, and Italy, receiving a bronze star for distinguished service. He has been an authorized Christian Science teacher and practitioner for many years, and is a member of the Church's Board of Lectureship.

The title of his lecture will be, "Successful Living Found Through Christian Science."

Sex and Marriage Topic at Coming UCCF Meeting

The second presentation of a four week series on Marriage will be held this coming Sunday evening, November 18, at the UCCF Center 1608 Pine St., at 7:00 p.m. This presentation, "A Minister's Views of Marriage" will be led by the Rev. Eldridge Bartley, pastor of The Methodist Church. Questions that anticipate Mr. Bartley's presentation are: "Why a church wedding?" "What are the attitudes of a Christian Marriage?" and "The Church and divorce?"

All students and faculty are invited to participate in this series. UCCF presents its programs in the interest of the whole campus and does not attempt to involve an individual in one particular perspective or point of view. Individuals are free to express their opinions and ideas in encounter and dialogue with others. The remainder of this series will be held December 2 and December 9, "Sex in Marriage" and "Responsibilities of Marriage." 7 p.m.



Earl Chappell

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Verback; Brockhaus Of Ralston Purina Address ASME on Engineer Opportunity

The American Society of Mechanical Engineers had a meeting in the West Ballroom of the Student Union last night at 7:00 p.m. The program consisted of a speech entitled, "Opportunities for Engineers" presented by Art Verback and Bob Brockhaus of the Ralston Purina Company in St. Louis. Bob Brockhaus was a member of MSM 1962 graduation class. Movies and slides of interest to all Mechanical Engineers were shown.

Joint Sigma Xi-ARS Group Will Hear NASA Man, Nov. 20

In a program jointly sponsored by Sigma Xi, the honor research fraternity, the ARS will have the privilege of hearing a talk by Mr. Wyatt, director of office programs for the National Aeronautics and Space Administration. He will speak on the "Current Missions of NASA". The entire school is invited to attend this program on November 20, at 7:00 in the Student Union.

The Atomic Energy Commission will provide the program for the November 29th meeting of the ARS. Mr. J. P. Morgan of the AEC will speak on "Nuclear Propulsion Systems."

American Institute Of Physics Open To Students

The American Institute of Physics is a relatively new organization on the MSM campus. It had its beginning last year and is now in the process of building its forces. The AIP is open to anyone interested in physics but is composed mainly of physics and math majors. The organization has monthly meetings and thus far has had a general mixer with the faculty and a movie entitled "Controlled Fusion." Faculty members are frequently speakers at AIP meetings.

McDonnell Man At ARS to Speak On Psychology

The American Rocket Society has planned a very active program for the month of November.

On November 6, the ARS was entertained by an industrial psychologist in charge of grading the status of engineers at McDonnell Aircraft Corporation. He spoke on how to develop a system for advancement and what is expected of engineers upon graduation, especially those beginning work at McDonnell.

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Tekes Take P. M. Contest, Boast Top Cadet

The Chicago Tribune's gold medal for the outstanding sophomore student in military science as recently awarded to John (Harb) Henry, a mining engineering major from Mountain View, Mo. This award did not come as surprise to his Brothers who attached Harb as he secured the professor of Military Science award, finishing in third place in competition.

Tekes again took first place in the annual Phillip Morris college contest. Over 30,000 points were earned by the House, which was approximately twice the amount needed to secure the spoils, a 19" Motorola TV set.

We have a real headliner here: Dean Huber, a junior C. E. student from Camp Point, Ill., has named Miss Ann Echterkamp, a Quincy, Ill., belle over the weekend.

Marriage has again taken its toll of hard working Tekes. Most recent casualty is Ronald Gundy, who married the former Miss Joyce Klotz of Nevada, Mo. Dave Gundy has not told many about his newest heir, a baby boy.

We may add at this point that Tekes building program is well under way. The plans for their new House are now being drawn.

MSM Alumnus Receives Teaching Award

Dr. Charles A. Hewett '52, the recipient of the Harry E. Hammond Prize for excellence in teaching in 1961 at the University of Missouri, Columbia, has joined the faculty at Clarkson College of Technology, Potsdam, New York, as an assistant professor of physics. Dr. Hewett came to the college during the summer to serve on the faculty for the National Science Foundation Summer Institute for Secondary School Teachers of Mathematics and Physics.

Dr. Hewett is a native of Johnson City, New York, where he graduated from high school in 1947. He received his B.S. in Chemistry in 1952 and M.S. in Physics in 1954, both degrees from MSM. He also served as a graduate assistant in Physics while here.

He served two years in the U. S. Army and following basic training, he was attached to the Radiological Branch of the Chemical Warfare Laboratories, Army Chemical Center, Edgewood, Maryland. In 1956, Dr. Hewett, as a member of the Army Chemical Center, participated in Operation Redwing at the Pacific Proving Grounds of the Atomic Energy Commission.

In 1956, Dr. Hewett went to the University of Missouri where he was an instructor in physics until 1960; was an O. M. Stewart Fellow from 1960-61, held an Office of Naval Research Assistantship from 1961-62, and received the Doctor of Philosophy degree, with a major in physics last September.

Dr. Hewett is a member of Sigma Pi Sigma, physics honorary; Sigma Xi, research honorary; Alpha Chi Sigma, chemistry fraternity; the American Association of Physics Teachers; Sigma Pi, social fraternity; and Alpha Phi Omega, service fraternity.

Fifty-Five ROTC Cadets Are Honored Military Men

Fifty-five individual awards were made to outstanding ROTC Cadets at hourly scheduled ceremonies at the MSM Drill Field on Friday, November 9th.

Dean Curtis L. Wilson presented the University of Missouri Board of Curators Summer Camp Award to Cadet Colonel Allan H. LaPlante, East Prairie, Missouri, and the Board of Curators Marksmanship Award to Cadet Major Robert W. Holmes, Mercer, Mo.

Colonel Henry P. Ward, Assistant Chief of Staff, G4, Headquarters, XI U. S. Army Corps St. Louis, presented the Legion of Valor of the United States of America Award to Cadet Lieutenant Colonel Orrin A. Stemler, Waterloo, Illinois.

Colonel Glenn R. Taylor, Professor of Military Science, presented Chicago Tribune Awards to: Cadet Second Lieutenant James D. Franklin, Senior; Cadet Staff Sergeant William A. Crede, Junior, Cadet Corporal John H. Henry, Sophomore, and Cadet Private John R. Ruser, Freshman.

Colonel Taylor assisted by Lieutenant Colonel Charles V. Pregaldin, Jr., Associate Professor of Military Science, presented the Distinguished Military Student and Professor of Military Science Awards.

The Seniors designated Distinguished Military Students were:

Harold M. Beardslee, Charles P. Becker, Lawrence E. Bell, Jr., Frederic B. Brost, David N. Everstick, John J. Gladysiewicz, Michael S. Goodman, James L. Holt, Ronald L. House, Richard L. Jaquay, Frank W. King, III, Allan H. LaPlante, William R. Ligon, James M. McDuff, Wade A. Martin, Mark W. Morris, Michael K. Norman, Donald G. Peters, Richard Rabenau, Robert V. Rommelmman, Orrin A. Stemler, Duane E. Thurman, Dennis R. Trautman, Donald L. Williams, Daniel E. Wilson, Alan D. Zunkel.

Sophomores receiving Professor of Military Science Awards were: Gene A. Cochran, John H. Henry, James C. Holtgreve, Harry D. McChesney, Jr., Robert V. Mann, Wesley E. Myers, Russell C. Smith, Jay H. Tibbles, Richard L. Windsor.

Cadets in MS I, who received Professor of Military Science Awards, were: George B. Ambrose, George T. Estill, Clark G. Gordon, Dale A. Munn, James H. Powell, John R. Ruser, David S. Shimamoto, Karl K. Spence, David A. Spencer, Carl J. Tegtmeyer, Carl J. Vorst, Robert C. Weber, and Michael A. Wheeler.

Colonel Taylor also presented the Mississippi Valley Championship Small Bore Rifle Match Medal to Cadet Platoon Sergeant Carl R. Steib. Cadet Steib placed thirteenth in the individual competition in the Mississippi Valley Championship Small Bore Rifle Match for 1962 in St. Louis.

Metallurgy Honorary Holds Smoker for Prospective Members, Hears Prof. Legsdin

Alpha Sigma Mu, honorary Metallurgical fraternity, held its smoker for prospective candidates for membership on Wednesday, October 31. The following men were present and indicated their desire for membership:

Charles P. Becker, Richard K. Dagley, Harry J. Leamy, Edwin K. Malmgren, Richard L. Martin,

Charles C. McPheeters, George T. Newell, Gerald C. Purcell, Kenneth R. Riggs, Arlen R. Schade, Thomas A. Seovich, Michael F. Simmons, Alan D. Sunkel.

Those present, were treated to an educational and enlightening talk by Professor Legsdin of the Metallurgy Department entitled "What's in the Cards?"

ROLLA FIRE CHIEF TO SPEAK

A joint meeting of the AIChE and the W. T. Schrenk Society will be held on November 28, at 700 p. m. in building G-6.

Chief Curtis of the Rolla Fire Department will speak on fire hazards in the chemical industry.

Dr. Bosch will also make comments on this subject.

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FERMI

(Continued From Page 4)

ed to bring this about were aliens. Perhaps the U. S. scientists did not know how to deal with a war time government.

The Manhattan Project was later centralized at the University of Chicago and on December 2, 1942, Enrico Fermi directed the first fission chain reaction.

During the rest of the war and for a time afterwards Fermi and many of the other great scientists worked at the highly secret and newly created Los Alamos laboratory. On July 16, 1945, the first product of the Los Alamos laboratory was tested at Alamogordo, and on August 7, the word at Los Alamos was that "Our stuff was dropped over Japan."

In Chicago on March 19, 1946, Enrico and four other scientists received the Congressional Medal for Merit for their help in developing the atomic bomb. The medal was awarded by the President of the United States in accordance with the order issued by General George Washington at Headquarters, Newburgh, New York, on August 7, 1782, and pursuant to act of Congress.

Fermi was the first winner of the Special Award which now bears his name. The award was for work on the atom and included a sum of \$50,000.

Fermi returned to the university of Chicago where he became interested in the cyclotron and its effects. He died on November 28, 1954.

PAINTINGS AT STUDENT UNION

(Continued From Page 1)

daughter visited the campus last summer and they saw the pictures though they had not been permanently placed. They were pleased with the selections and the art work of the reproductions.

One of Mr. Bodman's hobbies is hunting and on his expeditions in Canada and Alaska he gets his full bag of game including Kodiak and Black Bears and Caribou. And the bears were bagged with one shot each. He also gardens and goes sailing as hobbies.

The School is most grateful to Mr. Bodman for this fine contribution that greatly enhances the attractiveness of the Student Union.

**Support
the Miners!**

Geology Staff and Students Have Busy Summer

The fall term began another busy year for the staff and students of the Department of Geology and Geological Engineering. Staff members returned from summer field work nationwide.

Dr. Paul Dean Proctor, Chairman of the Department, completed field work in the Precam-

brian rocks of central Wyoming.

Dr. Frizzell continued to fish and recover, study and publish otoliths.

Dr. Spreng examined limestone of the Midwest and in late summer continued research on the Mississippian rocks of Alberta, Canada.

Dr. Grawe remained in Rolla at the U. S. Bureau of Mines Research Center.

Dr. Maxwell completed work on terrain analysis for the U. S. Army Corps of Engineers while Dr. Hagni and Professors Morgan and Kennedy did work on Missouri geology in the search for new lead deposits.

Dr. Amstutz began sabbatical leave in Germany where he will continue his studies on sulphide sediments at the University of Tubingen.

Dr. Brownlow returned from a year's military leave to continue

teaching and research in geochemistry.

Graduate students and undergraduates moved world wide. The international aspects of the department is shown by the acceptance of positions by students in South America, Malaya, Germany, Canada, and the United States.

Geological research by students at the graduate level ranged from continent-wide in its aspects with both laboratory and field investigations underway.

Six students attended the summer field camp of the University located in the Wind River Mountains of Wyoming. Two of these had been awarded V. H. McNutt field camp scholarships for excellence in their studies.

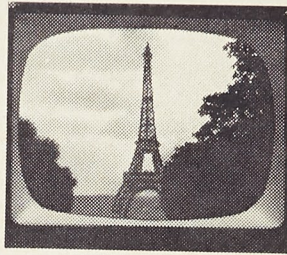
Four bachelor's, ten master's degrees and two Ph. D's were granted during the year. Enrollment in the current year showed a sixteen percent increase with approximately eight students at both the undergraduate and graduate levels.

COMPUTER CENTER

(Continued From Page 1)

mittee has already recommended that plans be made to obtain sufficient funds for the support of a much larger computer system in 1964.

The growth of the MSM Computer Center has been almost phenomenal during the past two years and moreover it must continue to grow at a rapid rate if the School is to maintain its position as one of the best schools of engineering and science.



Reflections of Telstar

Remember the picture above? It flashed across your television screen on a hot night last July. Perhaps you remember that it originated from France. And that it reached the U. S. via Telstar, the world's first private enterprise communications satellite.

Since that summer night, the Bell System's Telstar has relayed electronic signals of many types—television broadcasts, telephone calls, news photographs, and others.

But there's one Telstar reflection you might have missed. Look into the faces of the Bell System people below and you'll see it. It is the reflection of Telstar's

success that glowed brightly on the faces of all who shared in the project.

Their engineering, administrative and operations skills created Telstar and are bringing its benefits down out of the clouds to your living room.

These Bell System people, through their talented, dedicated efforts, make your phone service still better, more economical, and more useful.

The reflections of Telstar are many.



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Lebanon
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Post

Wisconsin Win Topples Northwestern From Top

Wisconsin's big win over Northwestern moved the Badgers right back into the Number One spot among the nation's football elite, the position they held just three weeks ago. In the driver's seat now for both the Big Ten title and the Rose Bowl trip, Wisconsin should whip Illinois by 32 points before meeting Minnesota in its finale.

Getting its second major test in as many weeks, Alabama tangles shoulder pads with Georgia Tech. The Wreck, dropped to 11th this week, has a Harmon power quotient of 104.7. Alabama - power quotient of 112.8 - is No. 2 again and is an 8-point favorite over Tech.

After wearing out the Moccasins of Chattanooga last week, 3rd ranked Mississippi will roll over Tennessee by three touchdowns. LSU, dropped from 3rd to 5th, should be a 16-point winner over Mississippi State.

No better ball game is on tap than the back-yard battle between Oklahoma and Missouri. The Big

Eight championship and a bid to the Orange Bowl are right smack on the line in this one. The Sooners are rated a very surprising 4th in the nation while the Tigers are on the 15th rung of the ladder. Ye olde forecasts have been wrong before, but the pick

here is Oklahoma by nine points.

Southern California has a power quotient of 105.6, and in spite of its undefeated record, is still ranked no higher than 6th. The Trojans will keep their record spotless with a 15-point win over Navy.

7th and 9th respectively in the Top 20, Texas and Arkansas are still the top doggies in the Southwest Conference. The Longhorns are just one-touchdown favorites over TCU, while the Razorbacks should handle SMU by 17 points.

The season's forecasting average stands at .766 with 938 winners and 286 losers. Last week's tangle with ol' man upset resulted in a .752 average as 103 games were picked right, 34 were wrong, and there were 2 ties. Scores for the remaining 12 games were not received.

Minnesota, moving up the national ladder, is 8th this week. 12th-ranked Purdue meets the defense-minded Gophers, and is

only a 2-point underdog. The Wildcats of Northwestern, No. 10, are slim one-point favorites over Michigan State, No. 13.

As Kansas and Miami took up residence outside the Top 20 this week, Washington and Nebraska moved in. The Huskies, No. 19, will whip UCLA by eleven, and Nebraska, ranked 20th (with husks all in very good shape, incidentally!) will dump Oklahoma State by 14.

The Harmon Forecast

NATIONAL FOOTBALL LEAGUE

Sunday, November 18

CHICAGO	30	Dallas	27
CLEVELAND	23	St. Louis	17
DETROIT	30	Minnesota	14
GREEN BAY	34	Baltimore	14
LOS ANGELES	24	San Francisco	21
NEW YORK	27	Philadelphia	7
PITTSBURGH	14	Washington	13

AMERICAN FOOTBALL LEAGUE

BUFFALO	24	Oakland	7
DALLAS	34	Denver	28
HOUSTON	31	Boston	30

(Forecasting average through games of Sunday, November 4:

53 correct, 29 incorrect, 4 ties — .646)

The Harmon Football Forecast

TOP 20 TEAMS

1-WISCONSIN	6-SOUTHERN CAL	11-GA. TECH	16-PENN STATE
2-ALABAMA	7-TEXAS	12-PURDUE	17-OREGON
3-MISSISSIPPI	8-MINNESOTA	13-MICH. STATE	18-FLORIDA
4-OKLAHOMA	9-ARKANSAS	14-OHIO STATE	19-WASHINGTON
5-L. S. U.	10-N'WESTERN	15-MISSOURI	20-NEBRASKA

Friday, November 16

Baker	23	Ottawa	13
Cal Poly (Pomona)	29	Long Beach	6
Cal Poly (S.L.O.)	12	Santa Barbara	0

Saturday, Nov. 17 — Major Colleges

Alabama	17	Georgia Tech	9
Arizona	20	Texas Western	15
Arizona State	27	New Mexico State	0
Arkansas	24	S. M. U.	7
Army	14	Pittsburgh	10
Auburn	17	Georgia	6
Baylor	15	Air Force	14
Boston College	20	Boston University	0
Bowling Green	27	Southern Illinois	7
Buffalo	25	Colgate	14
Clemson	20	Maryland	14
Dartmouth	37	Cornell	8
Duke	26	Wake Forest	0
Florida	14	Florida State	10
Fresno State	25	Pacific	13
Furman	18	Tampa	14
Harvard	25	Brown	0
Iowa	20	Michigan	8
Iowa State	26	Kansas State	6
Kansas	13	California	0
Kentucky	21	Xavier	0
L. S. U.	21	Mississippi State	7
Louisville	20	Oregon	10
Marshall	15	Butler	12
Memphis State	43	Arlington State	0
Miami, Ohio	19	Cincinnati	7
Minnesota	17	Purdue	12
Mississippi	28	Tennessee	8
Nebraska	21	Oklahoma State	7
New Mexico	12	Montana	0
North Carolina State	14	Virginia	7
Northwestern	21	Michigan State	20
Notre Dame	27	North Carolina	10
Ohio State	22	Oregon	21
Ohio University	18	Western Michigan	7
Oklahoma	17	Missouri	8
Oregon State	37	Colorado State U.	0
Pennsylvania	19	Columbia	18
Penn State	27	Holy Cross	8
Princeton	19	Yale	15
Rice	17	Texas A & M	14
South Carolina	28	Detriot	7
Southern Cal	21	Navy	6
Southern Miss.	31	Louisiana Tech	8
Stanford	31	San Jose State	13
Syracuse	24	George Washington	0
Texas	14	Texas Christian	7
Texas Tech	20	Colorado	6
Tulane	14	Vanderbilt	12
Tulsa	24	Toledo	7
Utah State	15	Utah	7
Villanova	24	Rutgers	14
Washington	17	U. C. L. A.	14
Washington State	23	Idaho	0
West Texas	28	Hardin-Simmons	0
West Virginia	28	The Citadel	12
Wichita	13	Dayton	6
Wisconsin	38	Illinois	7
Wyoming	20	Brigham Young	16

EAST (small colleges)

Albright	27	Franklin & Marshall	0
Amherst	19	Williams	15
Connecticut	21	Rhode Island	12
Delaware	20	Bucknell	7
Drexel Tech	15	Dickinson	6
Grove City	23	Hiram	7
Hamilton	24	Union	7
John Carroll	25	Washington & Jeff.	0
Juanita	20	Westminster	12
King's Point	31	Hobart	6
Lebanon Valley	14	Penn Military	13
Lehigh	21	Lafayette	14
Lycoming	19	Upsala	7
Massachusetts	14	New Hampshire	0
Moravian	14	Muhlenberg	8
Post	20	King's College	14

EAST (continued)

Rochester	35	R. P. I.	0
Southern Conn.	24	American Int'l.	14
Susquehanna	25	Delaware Valley	6
Swarthmore	29	Haverford	6
Temple	17	Gettysburg	0
Thiel	13	Allegheny	12
Trinity, Conn.	18	Wesleyan	6
Tufts	22	Concord Guard	0
Wagner	16	Wilkes	7
Western Maryland	23	Johns Hopkins	0
Wittenberg	18	Hofstra	14

MIDWEST (small colleges)

Akron	29	Mount Union	6
Bethany, W. Va.	22	Wayne State, Mich.	6
Bradley	21	Western Illinois	20
Carroll	14	North Central	8
Central Oklahoma	20	Panhandle A & M	0
Denison	19	Ohio Wesleyan	8
Drake	32	Evansville	0
Emporia College	25	Southwestern, Kan.	0
Heldberg	28	Marquette	20
Hillsdale	27	Findlay	13
Illinois State	20	Illinois Wesleyan	14
Kalamazoo	21	Augustana, Ill.	13
Lincoln	14	Livingston	12
Muskingum	15	Baldwin-Wallace	14
Otterbein	20	Capital	7
Southeast Missouri	20	Murray State	15
Valparaiso	12	Valparaiso	20
Wabash	34	DePauw	13
Washington, Mo.	35	Culver-Stockton	0
Western Reserve	20	Case Tech	6
William Jewell	25	St. Benedict	7
Wooster	30	Oberlin	7

SOUTH (small colleges)

Ablene Christian	20	Trinity, Texas	17
Arkansas State	28	South Dakota U.	0
Arkansas Tech	25	Ozarks	0
Carson-Newman	14	Maryville	6
Conway	14	Henderson	0
East Carolina	14	Wofford	7
East Central Okla.	32	Tarleton	7
East Tennessee	21	Newberry	6
East Texas	27	S. F. Austin	13
Elon	22	Frederick	7
Emory & Henry	25	Gulfport	8
Hamden-Sydney	13	Randolph-Macon	6
Jacksonville	22	Livingston	12
Lamar Tech	21	Sam Houston	10
Louisiana College	15	McMurry	14
Marlin Branch	20	Florence	18
Mississippi College	12	Sewanee	7
McNeese	17	SW Louisiana	7
NE Louisiana	19	Delta State	14
Ouachita	14	Millsaps	12
Presbyterian	24	Troy State	7
SE Louisiana	21	NW Louisiana	17
SW Texas	22	Texas A & I	21
San Rosa	15	Howard Payne	13
Washington & Lee	29	Southwestern, Tenn.	0

FAR WEST (small colleges)

Arizona State	29	Eastern New Mexico	19
Claremont	30	Cal Tech	0
Colorado Mines	21	Colorado College	6
Davis	20	Sacramento	16
Idaho State	14	Idaho State	13
Lewis & Clark	25	Pacific Lutheran	0
Linfield	39	Pacific University	0
Los Angeles	24	San Fernando	8
Occidental	18	Pomona	0
Puget Sound	21	Portland State	7
San Francisco	25	Chico State	13
South Dakota State	29	Colorado State	0
Whittier	35	Redlands	6
Williamette	18	Central Washington	7



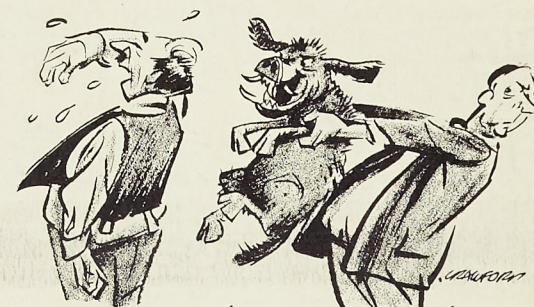
On Campus with Max Shulman

(Author of "I Was a Teen-age Dwarf", "The Many Loves of Dobie Gillis", etc.)

COMMITTEES: AN AGONIZING RE-APPRAISAL

To those of you who stay out of your student government because you believe the committee system is just an excuse for inaction, let me cite an example to prove that a committee, properly led and directed, can be a great force for good.

Last week the Student Council met at the Duluth College of Veterinary Medicine and Belles Lettres to discuss purchasing a new doormat for the students union. It was, I assure you, a desperate problem because Sherwin K. Sigafoos, janitor of the students union, threatened flatly to quit unless a new doormat was installed immediately. "I'm sick and tired of mopping that dirty old floor," said Mr. Sigafoos, sobbing convulsively. (Mr. Sigafoos, once a jolly outgoing sort, has been crying almost steadily since the recent death of his pet wart hog who had been his constant companion for 22 years. Actually, Mr. Sigafoos is much better off without the wart hog, who tusked him viciously at least once a day, but a companionship of 22 years is, I suppose, not lightly relinquished. The college tried to give Mr. Sigafoos a new wart hog—a frisky little fellow with floppy ears and a waggly tail—but Mr. Sigafoos only turned his back and cried the harder.)



He only turned his back and cried the harder

But I digress. The Student Council met, discussed the doormat for eight or ten hours, and then referred it to a committee. There were some who scoffed then and said nothing would ever be heard of the doormat again, but they reckoned without Invictus Millstone.

Invictus Millstone, chairman of the doormat committee, was a man of action—lithe and lean and keen and, naturally, a smoker of Marlboro Cigarettes. Why do I say "naturally"? Because, dear friends, active men and women don't have time to brood and bumble about their cigarettes. They need to be certain. They must have perfect confidence that each time they light up they will get the same gratifying flavor, the same Selectra filter, the same soft soft-pack, the same flip top flip-top box. In brief, dear friends, they need to be sure it's Marlboro—for if ever a smoke was true and trusty, it's Marlboro. Get some soon. Get matches too, because true and trusty though Marlboros are, your pleasure will be somewhat limited unless you light them.

Well sir, Invictus Millstone chaired his doormat committee with such vigor and dispatch that when the Student Council met only one week later, he was able to rise and deliver the following recommendations:

1. That the college build new schools of botany, hydraulic engineering, tropical medicine, Indo-Germanic languages, and millinery.
2. That the college drop football, put a roof on the stadium, and turn it into a low-cost housing project for married students.
3. That the college raise faculty salaries by \$5000 per year across the board.
4. That the college secede from the United States.
5. That the question of a doormat for the students union be referred to a subcommittee.

So let us hear no more defeatist talk about the committee system. It can be made to work!

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You don't need a committee to tell you how good Marlboros are. You just need yourself, a Marlboro, and a set of taste buds. Buy some Marlboros soon at your favorite tobacco counter.

Warrensburg Rallies in Last Half to Edge Miners 20-14

by Jim Peck

The Warrensburg Mules, with a late surge of scoring in the third and fourth quarters, defeated our MSM boys to the tune of 20 to 14.

Both ball clubs had a 1-3 conference record going into the contest and as the first half play progressed things looked just about even. The first quarter action of the Miners was held well in check by the pursuing Mule defensive line, which kept Bill Kaufmann, the Miner fullback, well in toe, while allowing only a few good runs by the other MSM backs.

The second quarter action started off, however, on a wilder note. The Miners, deep in their own territory, managed to plow their way to the Mules 28 yard line on good runs by Geo. Gasparovic and Gary Voorhis, before being stopped by the stubborn Warrensburg stalwarts.

To make up for the bogging down of the offensive unit, the Miners stopped an onslaught by the Mules with an equally rugged defense.

The only scoring threat of the first half came when, with only 25 seconds left in the first half, Warrensburg had the ball on the MSM 14 yard line, but the defensive pruned Miners held them off again to keep the score at the intermission a 0-0 tie.

The second half opened on a

bad note for the Miners. The Mules took possession of the pigskin, from the kick-off, on their own 20 yard strip and bulled their way down to the Miner 21 yard line where fullback Delessio smashed over guard for a 21 yard touchdown jaunt. The point after touchdown was blocked by the Miners making the score 6-0. Mules.

Bill Kaufmann took the following kick-off to the Miner 36 yard line where the offensive team took over. Jay Alford completed 3 straight passes to Jerry Wargo and Welsh, followed by a direct hit to Gasparovic putting the ball on the Mules 15 yard marker. Bill Kaufmann then moved the ball to the 6, and, on the same play, crashed through for the score, making it 7-6 Miners, with the extra point effort by Richard Jones.

On the kick-off to Warrensburg, the Miner fans were discouragely surprised to have the Mules' Jim Delesito race through the MSM defense for a 95 yard kick-off return.

A tally, coming a little later, after recovering a Miner fumble on their own 28, and driving to pay dirt shoved the end of the

third quarter scoring to be 20-7 in favor of Central Missouri State.

Neither team's offense was effective during the early fourth quarter until, with 2:50 seconds left in the game, Alford hit Kaufmann with a screen pass for some 22 yards and followed it with one to Jerry Wargo that carried the ball down to the Mules' 12 yard line. On the next play Alford again found Wargo open in the end zone and rifled a bullet to him for the second Miner touchdown. As time was running out, the defense held off the persistent Mules and again got control of the action, but too late to score. The game ended with the victory going to Central Missouri State by a 20-14 margin.

Congratulations to Jerry Wargo, who, during the contest, broke the old record for most passes caught in a season, 34, and to Jay Alford and Spellman of Warrensburg for their fine punting efforts. Both averaged over 45 yards a kick.

Ron Ragland Wins Bishops Football Prediction Game

Now that the football season is over, it is time to announce the winner of the football prediction contest sponsored by Bishop's clothing store. The top three men who finally emerged as the victors after a see-saw which saw many place a bid for victory and then fall back are well deserving of the prizes they will receive. These men, in the order of their finish are, are:

Ron Ragland, 200 E. 12th St., 38 points.

George Gress, Farrar Hall, 44 points.

Charles Difiglia, 707 State St., 46 points.

Congratulations go to these men who most accurately predicted the Miner football scores over a wide spread of games.

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Miners 4th in MIAA Cross Country Meet

MSM's crosscountry squad lost a heartbreaker to MacMurray College of Illinois in a triangular meet at St. Louis last week, falling one point short of victory despite a fine effort, particularly by Skip Damotte and Les Sheets, who finished third and fourth. Three Rolla runners were edged in close finishes, each by less than a second, in a meet which could have gone either way. Placing third in the meet was St. Louis University, a team which had previously lost only once. The respective point totals for MacMurray, MSM, and St. Louis were 36, 37 and 50.

On the following Saturday the Miners placed fourth in the MIAA conference meet. Kirksville as expected, captured the team

crown. One surprise was the individual winner, Schneider of Kirksville, who bested Warrensburg's Bill Silverburg in a dandy finish, and far surpassed the old course record of 20:20.6 with a time of 19:37.8. Silverburg was hampered at the finish by a badly cut foot, a result of running the course barefooted. The fourth place finish by MSM was their lowest in five years, and indicates the strength of competition in the MIAA conference, as this Miner squad is probably as strong as any in the past. A bright spot for MSM in this meet was another fine performance by Skip Damotte, an outstanding runner as a sophomore, who recorded the fastest time this year for the Miners on their home course.

SIDELINES

By Robert Fogler

Basketball on the intramural scene has begun for another season, and the gym is filled with the many spectators who fill the bleachers to cheer for their team, or just for the enjoyment of watching the competition between two evenly matched teams.

The fact that basketball is such a spectator sport dictates that more considerations should be shown to the spectators. One trouble with IM basketball from the standpoint of the spectator is the fact that the score, which changes rapidly, can not be followed too well by the spectator. This is because the only people who know the official score are the scorekeepers.

It would be a welcome addition to the game, to not only the spectators and the players, if the scoreboard used by the varsity team were put in use for the Intramural games. It might incur a slight expense to put it in use for these games, but the benefits would be increased enjoyment of the games by the students. The scoring could easily be handled by the student scorekeepers, as it is done now.

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Miner Rifle Team Out Shoot SMS For Second Win

The Missouri School of Mines and Metallurgy Rifle Team defeated Southwest Missouri State College in a shoulder to shoulder match held Saturday, November 10th at the SMS range.

The MSM team scored 1386 points out of a possible 1500 points. SMS fired 1291 points.

High scorers for MSM were Lloyd Bingham and Carl Steib, with 282, each, out of a possible 302. Ronney McDonough fired 276. Ron McCauley and Jim O'Neal also tied with scores of 273, each.

The Miners have now won two and lost none in the shoulder to shoulder matches for this season.

Wearing of High School Letters Shows Bad Taste

The "M-Club" wishes to inform all those students wearing high school letters on jackets or sweaters, that there is a standing law on this campus prohibiting such action. We would appreciate the removal of these letters as soon as possible. This law also pertains to those who lettered in a junior college. We do not mind the jackets, but the letters must be removed. The law does not prohibit, however, the wearing of a letter worn from a four year college.