



14 Jan 1966

## The Missouri Miner, January 14, 1966

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*Finals Begin  
Monday,  
January 17....*

# The Missouri MINER

UNIVERSITY OF MISSOURI AT ROLLA

*...Enlist Early-  
Avoid the Rush*

VOLUME 52

FRIDAY, JANUARY 14, 1966, ROLLA, MISSOURI

NUMBER 15

## UNIVERSITY PRESIDENT NAMED

### Governor Hearnes Speaks At Student Union Banquet

On Tuesday, January 11, the Student Union Board played host to many distinguished guests at its Student Recognition Banquet. Among the honored guests was Gov. Warren E. Hearnes, Governor of Missouri. Guests were treated to a delicious buffet style dinner with entertainment by Dusty Rhodes, who provided piano music during the meal, and the KA Singers, who presented an interlude of folk music following the meal.

Immediately following the entertainment Dr. Dudley Thompson gave the invocation for the evening. Afterwards Frank Woodbury, President of the 1965 Student Union Board, welcomed all guests and introduced the special guests seated at the head table and throughout the audience. Woodbury then expressed his sincere thanks to the members of the various Student Union Committees, campus organizations, and faculty members who had aided the Student Union Board in fulfilling its duties in 1965.

With the aid of Chancellor Baker and Gov. Hearnes, Woodbury presented awards to the members of these various Student Union Committees, including the Literary and Music Committee, the Publicity Committee, the Social Committee, the Recreation Committee, and the Special Events Committee.

Following the presentations the 1966 Student Union Board members were announced. They are: Mike Deelo, President; Ron Winkler, Vice-President; Gene Aubrecht, Secretary; and Howard

Stine, Treasurer.

Mike Deelo then presented awards to past Board members of 2 or more years service. Those receiving awards were Frank Woodbury, Mike Deelo, Jack Halpern, Jim Carter, Jim Kochs, Gene Albrecht, Ron Winkler, Howard Stine, and Dave Hayes. Deelo then presented Chancellor Baker.

Chancellor Baker expressed his appreciation for the work of the Student Union in serving the stu-



Missouri Governor Warren E. Hearnes was the guest speaker at the annual Student Union Organization Recognition Banquet.

dents. The chancellor then presented the main speaker for the evening, Gov. Warren E. Hearnes.

The Governor's speech stressed the economic problems of Missouri as a whole, and the economic problems of the Ozark Region in particular. He proposed a Mis-

(Continued on Page 3)

### Dr. Weaver Will Assume New Duties Upon Retirement of Dr. Elmer Ellis

Dr. John C. Weaver, 50, vice-president for academic affairs at Ohio State University, will become the 14th president of the 127-year-old University of Missouri in September upon retirement of Dr. Elmer Ellis.

His appointment was unanimously confirmed by the Board of Curators upon unanimous recommendation of the Curator-Faculty-Alumni Search Committee which spent nine months screening 300 nominees and interview-

ing more than 100 prospective candidates. The announcement was made by Robert Neill of St. Louis, president of the University Board of Curators.

Dr. Weaver will bring with him an ancestral connection with Missouri, familiarity with the Columbia campus dating back to the 1930s, and working knowledge with other administrators through associations formed when he was on the faculties of Kansas State University and the University of Nebraska.

He was associated with President Ellis through the National Association of State Universities

and Land-Grant Colleges and through their joint efforts in organization of the Mid-American State Universities Association which formed a research manpower pool aimed at encouraging governmental and industrial research and development in this area.

Dr. Weaver, whose academic field is geography, has been on faculties of six mid-western schools, including two in the Big Eight Conference, in which Missouri is a member.

He was dean of the Arts and

(Continued on Page 3)

### Bowling Tourney Started

The Student Union Board in cooperation with Bill Mueller will present the Bill Mueller College Bowling Tournament from January 31, 1966 to February 6, 1966. Trophies, donated by Bill Mueller the Falstaff distributor, will be awarded on the basis of six games. Three games will be bowled at the Colonial Lanes at a cost of \$1.25; and three games will be at the ABC Lanes at a cost of \$1.25 for a total cost of \$2.50 (bowlers will pay \$1.25 at each lane). Participants must check with proprietors of the respective lanes to

find out when the alleys will be available.

The five highest scratches will go to Lawrence, Kansas to represent UMR in the ACU College Bowling Tournament. All expenses will be paid on the trip which will be held on February 11 and 12.

The rules are as follows:

1. Bowler may enter only once in tournament.

2. Bowl three games at Colonial Lanes and three at ABC Lanes.

3. Use highest average of either last year's league average or this

(Continued on Page 7)

## Construction Has Been Completed -- New Holtman Hall Dormitory Occupied

On January 3, 1966 the final floor of Holtman Hall, a new MRHA dormitory located at Bishop and Ninth, was occupied by students. Most of the students moved from Kelly Hall to the new dorm. Since November 24 one floor at a time has been occupied by students.

Holtman Hall is a four story structure with fifty-nine double rooms, built at a total cost of approximately \$648,000 including the furnishings. The new dorm is distinguished by its unique color scheme and its first floor lounge which has a practical design, fine wood panelling, and excellent lighting. A maintenance shop, the MRHA office, a recreation room for MRHA members, and ten washers and seven dryers are situated in the basement. Another one of Holtman's features is the placement of two pay phones on each floor of the building.

The new dormitory, just as the other MRHA dorms, has been named in honor of a UMR grad-

uate who gave his life for our country during World War II. Holtman was named after Lt. (j.g.) Orvid J. Holtman, a Seabee, who was killed in action on D-Day June 6, 1944. He graduated from UMR May 24, 1938 with

a B.S. in Civil Engineering, after graduating from CMS and Westminster. Holtman was a native of Mexico, Missouri, and served as Audrain County Surveyor until he entered the service in March of 1943.



Ninth and Bishop is the location of the recently completed dormitory, Holtman Hall, which will house approximately 120 students.

### Student Council Amendment Now Faces General Election

This amendment in the form of a motion was brought before the Council at the regular meeting this Tuesday. The purpose of this amendment is to redistribute the Student Council representation of the non-fraternity members of the student body.

As it is stated now in the Council constitution, each fraternity, accepted by the Interfraternity Council, is given one representative on the Student Council. An equal number of representatives is given to the non-fraternity organizations on campus. The representation for the non-greek organizations are presently as follows: Eating clubs (6), one each; Dormitories, 2; and GDI, 12. This new motion would re-appor-

tion this, giving representation to the Eating Clubs, MRHA, and GDI based on their total membership not represented through some other organization. For example, if this amendment were adopted, when memberships were calculated for representation, a Miner who was a member of Fifty-Niners and of GDI, would be counted for the Fifty-Niners but not for GDI. This will reduce the number of GDI representatives from twelve to one.

The Constitution of the Student Council stipulates that a proposed amendment must first be brought before the Council and passed by a three-fourths majority of the members present. On approval of

(Continued on Page 7)



## UMR Research Group Receives Grant From National Science Foundation

The Rock Mechanics Research Group at UMR has been awarded a \$46,900 grant by the National Science Foundation, Dr. George B. Clark, director of the Group, has announced.

The one-year grant will support research entitled "Gravitational Body Forces in Heterogeneous Geological Structures," a study of the effects of geologic structures such as fractures, joints, faults and bedding planes upon stress distribution in rocks. Information on this subject will aid materially in the solution of engineering problems concerned with the stability of underground openings in rock, such as mines, underground power stations, aqueducts and deep openings for underground protective construction.

The project is a continuation of research in which personnel of the department of mining engineering and the Rock Mechanics

Research Group have been engaged for over 10 years.

The NSF grant will support two part-time senior research investigators and two research assistants, in addition to providing funds for equipment necessary for the research project.

For the project, a 200-g centrifuge will be modified so that stress in models rotating in it can

be viewed with stroboscopic monochromatic polarized light. When completed, this will be the only device of its kind in existence.

Dr. Charles J. Haas of the Rock Mechanics Research Group, will be assistant senior investigator. It is expected that other engineering departments on the campus will cooperate in this and related projects.

## Annual Military Ball Will Assume New Features

The annual Military Ball, to be on the evening of February 12, 1966, will present several new attractions to add to the pleasure and enjoyment of those in attendance.

The Queen of the Military Ball, a traditional feature, will be chosen as indicated by the interest of those in attendance. The ticket stubs for the dance will have a blank on which to write the name of your choice of candidate for Queen. Thus far there are nineteen campus fraternities and organizations sponsoring candidates.

A pinning ceremony, a new and true developing tradition of the Military Ball, will also be one of several highlights. All interested students are encouraged to participate, for this is certainly a fine opportunity to bring the spotlight

upon their sweetheart.

A special feature of this year's Military Ball will be the changing of colors as the new Cadet Brigade Commander is recognized. The present commander will graduate in January.

The theme for the Ball will follow that of Saint Valentine's Day. The "sweetheart" music for the Military Ball will be provided by the Gary Dammer Orchestra. Their performance at last year's Military Ball was well received as they were enjoyed and praised by all who attended.

The Military Ball is formal and is provided for the pleasure of all UMR students. Tickets are now available, priced at \$4.00 per couple, from any member of Scabbard and Blade.

## "Campus Police" Handle Diverse Duties

Quietly performing its duties, the Department of Traffic Safety is perhaps the most unnoticed yet most important of the campus agencies. When conceived, its mission was the regulation of motor vehicle and traffic on campus. With the increasing size of the student body at UMR, this department has had to take on more duties. Presently, the Department of Traffic Safety has three missions on campus.

The Department's primary mission is motor vehicles. This encompasses the enforcement of vehicle regulations regarding the student's operation of motor vehicles and the patrolling of campus parking lots.

Due to vandalism of campus property during vacations, etc. by persons believed to be non-students at UMR, the Department

has undertaken the mission of security. The Department takes responsibility for the guarding and caretaking of campus property. It patrols the buildings and equipment owned by the school, and provides money and personal escorts. The Department undertakes the task of finding lost articles and attempts to prevent the loss of anything else. Because of the increasing number of duties performed by the Department of Traffic Safety, it can be more appropriately referred to as the "Campus Police Department."

The third duty performed by the "Campus Police" is the regulation of student conduct. They are always present at school sponsored activities and sporting events. The philosophy of the Department is that the students can have a good time without

## Carl Westenberg Awarded Citation For Distinction as a Military Cadet

Cited for military distinction among collegians in all of Missouri and Illinois today was UMR student, Carl Westenberg, Pleasant Plains, Ill. In a special ceremony held at the University, the youth was awarded the "Legion of Valor."

Westenberg's citation is made by U.S.A., Incorporated, a fraternity for military personnel who have distinguished themselves in battle. An honor student in mechanical engineering who is the only University student with an all-A grade average, Westenberg also has been a leader in the Reserve Officers Training Corps on the Rolla campus.

Presentation of the "Legion of Valor" was made today in the Rotunda of Parker Hall, University administration building, before an audience of military personnel and Rolla educators. Maj. Gen. Robert H. Adams, 11th Corps Commander, St. Louis, represented Lt. Gen. C. G. Dodge, 5th Army Commander, for the ceremony. Maj. Alden S. Lance, World War II Distinguished Service Cross winner, Savannah, Mo., who is vice-commander of U.S.A., Inc., decorated the Rolla student.

Also honored were 16 UMR students selected as Distinguished Military Students by ROTC department chairman, Col. D. L. Gundling. University professors who direct the engineering departments in which the students are enrolled made the DMS presentations.

The group, represented by prospective graduates in mechanical, civil, electrical, geological or metallurgical engineering, includes Raymond Betz and Gary Rueter, St. Louis; Robert Callen, Farber; Ronald Evans, Lockwood; Jerry Fortner, Pollard, Ark.; John Klug, Jr., Lebanon; Danie Hatcher, Ladue; Richard Kasten Raytown; John Lauletta, Staten Island, N.Y.; Robert Meyer, Bonne Terre; John Owens and John Ruser, Poplar Bluff; Harold Schelin, Jr., Verona; James West, Edwardsville, Ill.; Carl Westenberg, Pleasant Plains, Ill.; and James Worts, Overland.

Prior to the awards ceremony held on the 36th anniversary of the founding of the ROTC on the University campus, a recognition dinner was given by Dr. Meri Baker, Chancellor of the University. The Rolla campus is among 12 in Illinois and Missouri offering military education to its students.

### UPTOWN THEATRE

MOVIES IN CINEMASCOPE

Fri., Sat. Jan. 14-15

'War-Gods of the Deep'

Vincent Price & Susan Hart

Sun., Mon., Tues., Wed. Jan. 16-19

Sunday Continuous From 1 p.m.

'Girl Happy'

Elvis Presley & Mary Ann Mobley

### RITZ THEATRE

MOVIES ON WIDE SCREEN

Fri., Sat. Jan. 14-15

Saturday Continuous From 1 p.m.

'Honeymoon Hotel'

Robert Goulet & Nancy Kwan

Sun., Mon. Jan. 16-17

Sunday Continuous From 1 p.m.

'Devils of Darkness'

William Sylvester & Carole Gray

Tues., Wed. Jan. 18-19

'I Saw What You Did'

Joan Crawford & John Ireland

## Debate Teams Post Victories in Recent Tourney

The Student Council sponsored UMR Debate Team returned from the William Jewell College Blizzard Tournament with a successful 4-4 record.

Each of the school's two teams posted a 2-2 record in the tournament. The senior division team composed of Franz Brown and Brunn Roysden defeated both Ottawa University and Central Missouri State. They lost to UMKC and Washburn College (which took first place). Brown and Roysden tied for fifth place out of 21 teams.

Bob Wolfsberger and Bob Jordan served as UMR's junior division representatives. They defeated William Jewell College and Ottawa University. Wolfsberger and Jordan tied for eighth out of twenty teams participating in their division.

Larry Vardiman of the Physics Department attended the tournament as a faculty representative. Forensic Society President Dave Cantrell and Secretary Ted Warren attended the tournament as observers.

The national debate topic was used for the tournament: "Resolved that law enforcement agencies in the United States should be given greater freedom in the investigation and prosecution of crime."

## Esperanto Club Plans Expansion

The UMR Esperanto Association, "Mosamo," is enjoying a revitalized interest among the student body, and plans a major expansion program for the forthcoming Spring Semester. The Association provides instruction in Esperanto, the synthetic universal auxiliary language, and will arrange for international correspondence with Esperantists in other lands.

"Mosamo" is under the capable direction of Prof. John Brewer, Past-President of the North American Esperanto Assn. Books and audio aids are available to club members at no cost on a loan basis. Watch the Bulletin Board for further information.



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## University Announces Members On New Safety Committee Board

Dr. Mailand R. Strunk, chairman of the chemical engineering department and Wallace Craig, assistant business officer, have been named from UMR as members of the committee on safety for the University of Missouri System. Mr. Bosky, construction superintendent on our campus, will serve as safety coordinator for the Rolla campus. President Elmer Ellis announced the appointments in connection with the inauguration of safety education and a stepped up safety and accident prevention program for the

System. President Ellis named R. E. Marriott, Sr., assistant University business manager, as safety coordinator. Dean Hogan, Dean of Engineering at the Columbia campus, will act as the committee's president. The Rolla men are among 14 members from the University's four campuses named to the safety committee. There are eight at the Columbia campus and two each at Rolla, St. Louis, and Kansas City.

The immediate concern of the committee will be to arrange for temporary disposal of chemicals and other hazardous materials from the 600 laboratories on the four campuses. Fire training will be expanded on all the campuses and telephones will be equipped with decals listing emergency telephone numbers.

The safety committee has been given responsibility to promote education and accident prevention so as to encompass all operations of the University for students,

faculty and staff members, and the general public, President Ellis said. It will be the responsibility of the committee to establish safety standards and procedures which are to be incorporated in all departments and offices of the University.

Questionnaires have been sent to the department heads of all the departments on each campus. The purpose of this is to learn what is needed to be done to make the labs on each campus as safe as possible for the students of the University of Missouri. The representatives on each campus will compile the data they receive from these questionnaires. Plans will be formulated to make each campus safer when the entire committee meets in February on the Columbia campus.

The Committee on Safety can be a real asset to the Rolla campus. As a result of its work the entire campus will be safer for both the students and faculty.

## AIMME Elects George Clark to Executive Board

Dr. George B. Clark, professor of mining engineering at UMR, was elected to the executive board of the Southeast Missouri Subsection of the AIMME at their organizational meeting recently.

The new group is a subsection of the St. Louis Section of the professional organization. At their first meeting in Viburnum, Jan. 5, Dr. J. J. Scott, professor of mining engineering, was the main speaker. Dr. Scott described rock mechanics as practiced at the White Pine Copper Co. mines in upper Michigan. Dr. Scott has worked with the rock mechanics research group of the company, a major copper producer.

Members of the new subsection will attend a meeting of the St. Louis Section of AIMME at the Walnut Bowl Restaurant in Salem Jan. 14. Speaker for the evening will be Dr. J. J. Yancik, from Monsanto Co. in St. Louis, who will speak on "What is in the Future for Explosives and Blasting Science?" Dr. Yancik received his M.S. and Ph.D. at UMR. Preceding the meeting, Dr. E. M. Spokes, chairman of the department of mining engineering will attend a meeting of the executive committee of which he is a new member.

## Dames Plan Discotheque

"Discotheque" is the theme for the University Dames' annual January Banquet to be held Thursday evening, January 20, at 6:30 in the Student Union Ballroom. One of the highlights of the program will be the presentation of diplomas bearing the P.H.T. degree (Putting Hubby Through) to wives of students who are graduating in January. Special entertainment is also planned, and a large number of door prizes, generously donated by local merchants, will be given away.

The decorations for the "Discotheque" banquet deserve particular mention, as they promise to be unusual and entertaining in themselves.

All members of University Dames are urged to attend the banquet. Tickets are available in advance at \$2.25 apiece from the officers and members of the ticket committee.

## UMR Hosts Short Course For Construction Engineers

Twenty-seven construction and mining executives and engineers were on the campus of UMR, Jan. 10 to 14, for a short course in Rock Mechanics Application to the Mining and Construction Industries.

The course, presented by the University Mining Department and Extension Division, was designed to provide practical engineering knowledge of stress analysis problems. Engineers from 15 states participated in the sessions, which included: mechanics review, explosives application, studies of blasting damage and behavior of rock under dynamic stress, underground rock mechanics instrumentation, and data interpretation and its application. The final session, Friday, gave conferees opportunity to discuss specific problems associated with their opera-

tions.

University professor of mining, Dr. James J. Scott, directed the conference in cooperation with Rolla faculty members, Dr. George Clark, Prof. Richard Ash, Dr. Ronald Rollins, Dr. Charles Haas, Prof. John Heagler and Prof. Peter Hansen. Short course coordinator was Dwight Hafeli, UMR Extension Division.

A second similar short course has been scheduled for April 18 to 22. According to Dr. Scott, "The response from industry has been exceptional. In order to meet the demands of engineering practitioners for this up-dating of rock mechanics technology, we have scheduled the second conference."

Application for the April sessions may be made through the University Extension Division. A \$75 registration fee is required.

### ★ STUDENT UNION MOVIE ★

## "The Wackiest Ship in the Army"

"The Wackiest Ship in the Army" will be the Student Union Sunday Movie for January 16. It will be shown at 2:30, 5:00, and 7:30 p.m. in the Student Union Ballroom. Jack Lemmon, Rick Nelson, and John Lund star in this color presentation. Jack Lemmon, a peerless comedian, combines his talents with a gag-filled script to make this an outstanding service farce. Lemmon

plays a wartime Navy Lieutenant who gets his eagerly awaited first command: a beat up sailing vessel whose structure and parts are a complete mystery to his crew who have been trained to operate steam powered ships. Hilarious situations come, one on top of another, as Lemmon wryly teaches his clumsy charges how to sail the wacky ship preparatory to executing a major military mission.

## Dr. Weaver Elected President

(Continued From Page 1)

Sciences School at Kansas State University in 1955-57 and dean of the graduate faculty of the University of Nebraska in 1957-61 before joining the Ohio State faculty in July, 1964, with triple titles of vice-president for academic affairs, dean of faculties, and professor of geography.

In earning a bachelor degree with high honors at the University of Wisconsin, he was elected to Phi Beta Kappa scholastic society, to Sigma Xi scientific fraternity, to Phi Kappa Phi academic and curricular activities organization, to Delta Sigma Rho debating fraternity; and to Phi Eta Sigma freshman honor society. He received the Vilas medal at Wisconsin for an outstanding record in debating and forensics. He was cited for his research by the Chief of Naval Operations. He held a Carnegie Corporation of New York traveling administrative fellowship. He was designated by the British Foreign Office as Wilton Park fellow. He received the Association of American Ge-

ographers research award for meritorious contribution in 1955.

Under President Ellis the University has undergone its greatest expansion, from a university with an annual budget of under \$17 million to a four-campus system with an operating budget that approaches \$85 million annually and from an enrollment of 10,861 students confined to the Columbia and Rolla campuses to 33,583 enrolled in the Columbia, Rolla, St. Louis and Kansas City divisions.

### NOTICE!

Temporary ID Activity Cards issued the first semester will not be valid the second semester for athletic contests, General Lectures, etc. Each student must have his permanent card punched for the second semester or a new temporary card issued with an expiration date of February 25, 1966.

### STUDENTS

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# Miner Editorials, Letters, and Features

## Mark of a Miner!

"Keep the traditions of St. Pat's alive. These traditions and celebrations are legacy entrusted to you by all those who have worked to make St. Pat's what it is today."

With these words of farewell, former Dean Curtis L. Wilson made it a personal responsibility of each student to preserve the oldest traditions on the MSM campus. Now one of these same legacies is in danger of falling into extinction. Look around the room in the next class you attend. How many beginnings of beards do you see? Not so long ago the beardless student was the exception rather than the rule, which is the case at present.

St. Pat's is the highlight of the social life of the MSM campus. At this time the school lets down its hair and celebrates the feast of its patron — St. Patrick.

As these traditions decline, so does the entire celebration of the Saint's feast day decline. In order that each and every Miner play a part in keeping the prestige of St. Pat's on a high level, the MINER encourages all students to grow a beard (female students excluded). Wear your beard proudly, let it be the mark of a true Miner.



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★ FROM INTERCOLLEGIATE PRESS ★

## Self Study of Teaching Could Bring Improvements

The Board of Trustees of Winthrop College has recommended that the college engage in a self study of teaching this year. The board recently proposed that the entire faculty devote time and effort to the task of improving teaching on campus.

In a report to the board, Dr. Walter Douglas Smith, dean of the college, said that the "major responsibility of the Winthrop professor is teaching, and that its improvement might come about if the faculty should carry out a self study. This study," he added, "is not too unlike a self study carried out in 1960, however, the present study will be limited to the teaching process."

Dean Smith further reported, "In all the proceedings of the college, teaching receives surprisingly little attention. Most of us tend to focus attention on such matters as grades, classroom and laboratory space and equipment, course titles and numbers, social activities, and the like. What the professor does in the classroom is

rarely the subject of debate or discussion.

"Winthrop students have from time to time voiced questions about our teaching. They, above all people, know what we are doing in the classroom and their performance is evidence of our success. Students will be involved in the self study after a faculty steering committee is formed. A request for student involvement will probably be one of their first actions."

"Last year the Southern Regional Education Board carried on a study of undergraduate teaching," Dean Smith stated. However, "some of us felt that this study did not come to grips with the real issues involved or have a strong enough design. We believe that the self study procedure which has evolved over the last decade in the Southern Association of Colleges and Schools is a most promising procedure because it involves the essential people: faculty and students."

## Furthermore....

The recently released report by the Faculty Committee on the Quality of Undergraduate Instruction at Cornell University states that students across the nation are being shortchanged in their education. "There can be no doubt that student dissatisfaction with undergraduate instruction, at Cornell as elsewhere, has basis in fact," the report stated bluntly.

The 13,000-word report called for a "marked change" in the attitude of teachers toward students and for increased emphasis on the importance of teaching. Teaching, it said, must be placed on the same level as research, publishing and public service.

However, the report stressed, "we are convinced that the increasing contact with external affairs on the part of professors does benefit undergraduate education."

There is too little understanding of this point by students and people outside the University."

The committee noted that the past year "was marked by mounting criticisms of the education that the nation's universities were giving their undergraduates" and termed its report "an extensive self-examination." The committee held more than 25 meetings, talked with students, faculty members and administrative officers and studied numerous written reports.

Undergraduate education at Cornell, the report said, "though generally conscientious, often very good and occasionally brilliant — commands neither the attention nor the status it deserves. If the quality of our teaching is not as high as it can and should be —

(Continued on Page 8)

## Look, No Saturday Afternoons This Semester

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FLUID MECHANICS	CE	230A	07			07		07		3
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MANUFACTURING PLANNING	ME	206	11			11		11		3
GEN. PSYCHOLOGY	PSYCH	151D	01			01		01		3
THERMODYNAMICS	ME	121Z	03			03		03		3
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ENGR MECHANICS-DYNAMICS	MECH	102D		11			11			2
METALS+ALLOYS IN ENGR	MET	113C		12			12			2
B77023 SPRING 1966										* 23

## Think Carefully: The Country You Save May Be Your Own

Dear Sir:

I can only hope that the article NEW YEAR, NEW DECISIONS in the January 7 issue of the Miner was simply a vehicle to move the students to show their overwhelming support of the Administration's policy in Viet Nam. I'm afraid, however, that this is just more of the yellow-livered yak of the "I'd-rather-be-red-than-dead" clique. Rather than have all of our allies defeated or near defeat by a tyrannical despot as we did in the first two World Wars, the United States has finally realized that it is far easier to stand up to basic rights early in a conflict. The Communists are doing exactly what they have told everybody they will do, namely, erode away all of the countries of the free world by military power, leaving the United States until last. It is definitely to the administration's credit that it believes what the Communists say. Hitler told the world what he was going to do long before he attempted world domination. The United States almost waited too long then before making that vital decision. To the writer of that article, and to the goons like him, I ask two simple questions: (1) Would you rather wait until we HAVE to fight on our own soil, destroying our own homes and families before you will finally fight? (2) If not, then WHEN should we

finally call a halt to Communist aggression?

However, let's look at the article itself. Indeed the Administration does have two courses of action open to it. It can stop Communism now, or it can go on dying the not-slow-enough death of Communist envelopment by conquest and eventual Communist invasion of the United States itself. (Indeed, perhaps one of the fastest methods of getting the "cradle to the grave" philosophy of the Great Society about which the writer is so worried would be to ignore Communism entirely. Then the Communists can put in their own brand of that Society.) It is now the decision of the Communists as to whether they wish to be stopped by peaceful or by forceful means. The United States has sent out offers of "Unconditional Discussions." The writer (who, I assume, is an eminent authority on such matters,) has claimed that these discussions are "loaded with conditions that make discussions impossible (and) are horribly phony." Indeed, exactly what ARE these conditions, so that we the readers can decide whether or not these so-called conditions are impossible and horribly phony? Or is this more propaganda spread by the less-than-well-informed Vietnicks?

The writer of that article has hit the problem squarely when he says "The peril is real." Every day the Communists attempt to

further conquer the world with sundry forms of physical coercion. It is up to us to decide whether we wish to let them. Are we after liberty for the entire world, or are we after death of democracy? Are we going to allow the South Vietnamese self-determination, or are we going to allow an outside power physically over-run the country? The Viet Cong are the invaders. The United States is the

(Continued on Page 8)

## Attention Graduates

### Special Student Terms

New -- Oldsmobiles

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## ★ UMR HISTORY ★

## William Nalle's Amendment To Rollins Bill Creates MSM

Several difficult problems had to be settled before the founding of a school of mines could be accomplished. The major deterrent was the government and the legalities necessary for the creation of a land grant school. MSM was first conceived in the minds of the Missouri General Assembly in 1849, but the idea didn't come into being until 1870.

The industrial revolution demanded a new type of trained technician. Colleges at that time were not prepared to train such people. Therefore there was a call for a practicable education, not to emphasize the liberal arts, but one for training in a skill of the mechanical arts. It was a college where the sons and daughters of the average citizen could obtain an education.

Two major forces brought about this new type of higher education. First there was an urgent need for men trained in the physical sciences in order to fit into the new industrial age of America. Second there was the movement for more democracy in our government, social life, and education. This movement was stimulated by the "Jacksonian Era" and the American frontier.

During the 1850's many petitions calling for the creation of government supported schools (land grant schools) were sent to Congress where they met considerable opposition. Most of the opposition came from the South. The election of Lincoln in 1860 and the rapid decline of Southern influence in Congress opened the door for educational legislation. June 15, 1862 the most important piece of single educational legislation in our history — the Morrill Act — was passed.

The Morrill Act granted thirty thousand acres of public land for each Senator and Representative in Congress by a state. Missouri's grant amounted to 330,000 acres.

Missouri accepted the land grant in 1863 and from 1863 to 1870 many bills embodying various ideas as to the type of

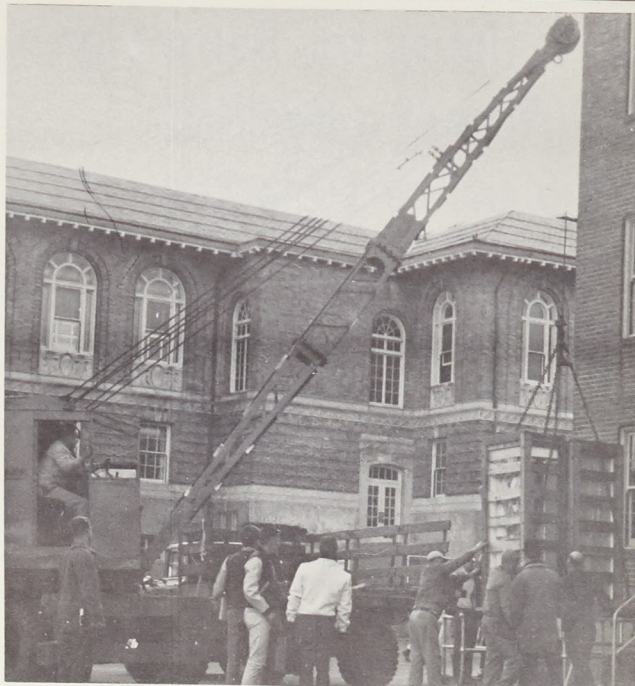
school to be established were proposed. There was disagreement in the General Assembly whether to simply enlarge the present campus at Columbia, or to locate the School of Mines and Metallurgy elsewhere.

The measure from which UMR emerged was introduced by James S. Rollins on January 14, 1869. It called for establishing a department of agriculture and mechanic arts in Columbia. Many amendments were offered to the bill including one (which lost by one vote) to, create a separate School of Mines and Metallurgy. Finally the bill was passed by the Missouri Senate and sent to the House.

January 5, 1870 the Rollins Bill was reported to the House from the committee on education. Several substitutes were offered,

the House was in a deadlock. Then William N. Nalle proposed his amendments. Section one of the bill was amended to include provisions for a School of Mines and Metallurgy. The first amendment passed. Nalle also proposed that MSM be situated in the mineral district of Southeast Missouri in a different location from the College of Agriculture, and that the Board of Curators would select the site for the mining school in the county that would donate the most money and land.

The Rollins Bill with the Nalle Amendments passed both the House and the Senate in early February. Then on February 24, 1870 Governor McClurg signed the measure which legally created the Missouri School of Mines and Metallurgy.



Workmen lower an electron microscope into the basement of Fulton Hall. The new microscope will aid research greatly.



## Governor Hearnes Speaks at Banquet

(Continued From Page 1)

souri Toll Road from North Central to South Central Missouri. The purpose of such a road would be to open to heavy tourist traffic the Ozark Region and thus aid Missouri's serious economic situation.

Gov. Hearnes also stressed the importance that young people play in today's government. He urged that as graduates all students take an active part in their local and state governments.

During the Governor's speech it came to light that he was celebrating the 1st anniversary of his inauguration in 1965.

Following the Governor's speech he was presented with an honorary membership on the Student Union Board by President Mike Deelo.

## We're sending some of our representatives back to school

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## New House for Delta Sigma Phi Almost a Reality; 1966 Officers Elected

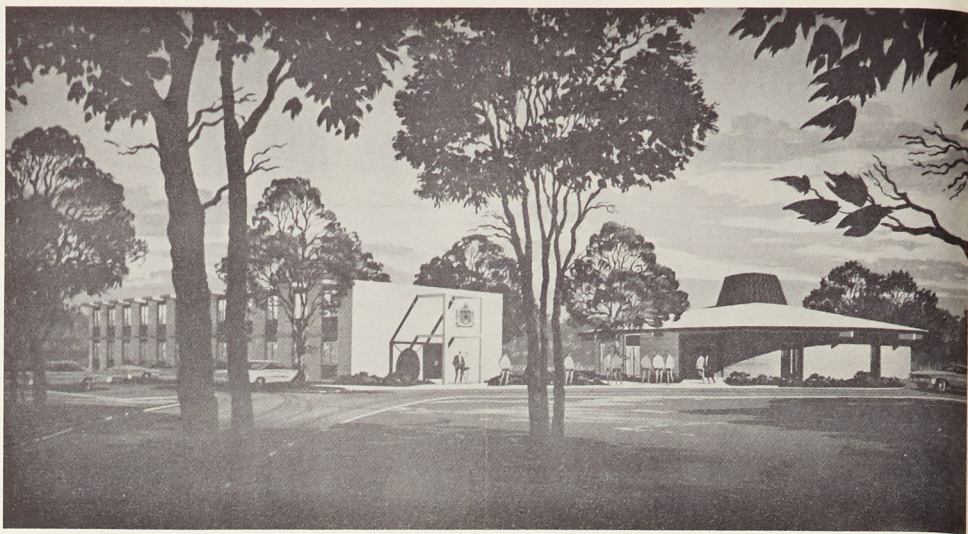
The Delta Sigma Phi Fraternity recently elected officers for the calendar year of 1966. The new officers are: Larry Creek, President; Jim Allmon, Vice-President; Tom Leslie, Secretary; Steve Mueller, Treasurer; and Butch Stratman, Sergeant-at-arms.

Among their primary concerns will be the completion of plans for the new house which is to be constructed at No. 3 Nagogami. Bids were let within the past week, and construction is to begin in March. The architect, Harold L. Stinson of St. Louis, has set the completion date for the first of

September.

As can be seen from the picture, the new house will consist of two separate buildings. The living room, chapter room, and dining facilities will be found within the circular building. The other building will contain thirty-six two man rooms. Due to this unique separation of studying facilities from the rest of the house, good study conditions will be at a maximum.

Everyone at Delta Sig is proud of the new house which is another milestone in the fine tradition of Delta Sigma Phi.



Artist's conception of Delta Sig house.

## Finals Take Top Priority At Sigma Pi

As finals approach, the "Big White House" at 206 East Twelfth Street, has taken on an unusually quiet atmosphere in preparation for the big week ahead. In each and every mind, however, dwells the thoughts of the welcome semester break just around the corner, and the upcoming Military Ball party weekend.

The UMR chapter of Sigma Pi has a new pledge as of December 7, but it may be quite awhile before he'll be able to wear that little green beanie. Congratulations to Brother Bob Darr and his wife, who are the proud parents of a seven pound-four ounce, baby boy named Curtis Dwain.

Last Saturday marked the annual pledge-active football game for Alpha-Iota. In a contest fought at the UMR Intramural Field, the active members of Sigma Pi wiped out the twenty-seven man freshman group 32-6!!

January and June graduating seniors were honored at a banquet held at the El Chareve Restaurant on January 8. Among the guests was the Director of the School of Mines and Metallurgy, Dr. T. J. Planje, who gave a presentation on the value of research facilities of the university.

## Kappa Sigs Take Plunge During Break

The Christmas holidays proved to be not only a welcome rest from the grind at UMR, but also a time for the "big step forward" in the lives of several brothers at Kappa Sigma. Becoming engaged were brothers Ronald Reinke and Gene Foshage. Men who gave their Star and Crescent to their girls were brother Ralph Fluchel, Gene Kalhorn, and Richard Perkins.

Brother Reinke announced his engagement to Cecil Cooper, and plans to be married this summer. Brother Foshage at the same time became engaged to Miss Carol Kaiser. Ralph Fluchel is pinned to Miss Kathy Burmeister; Gene Kalhorn happily claims Miss Sue Keim as his pinmate; and Richard Perkins became pinned to Miss Cheryl Klump.

## Inner space is exciting, too - with Dowell

The sciences of INNER SPACE — several of which are concerned with the production of oil and gas — have been, and *are still*, challenging, exciting, rewarding career fields.

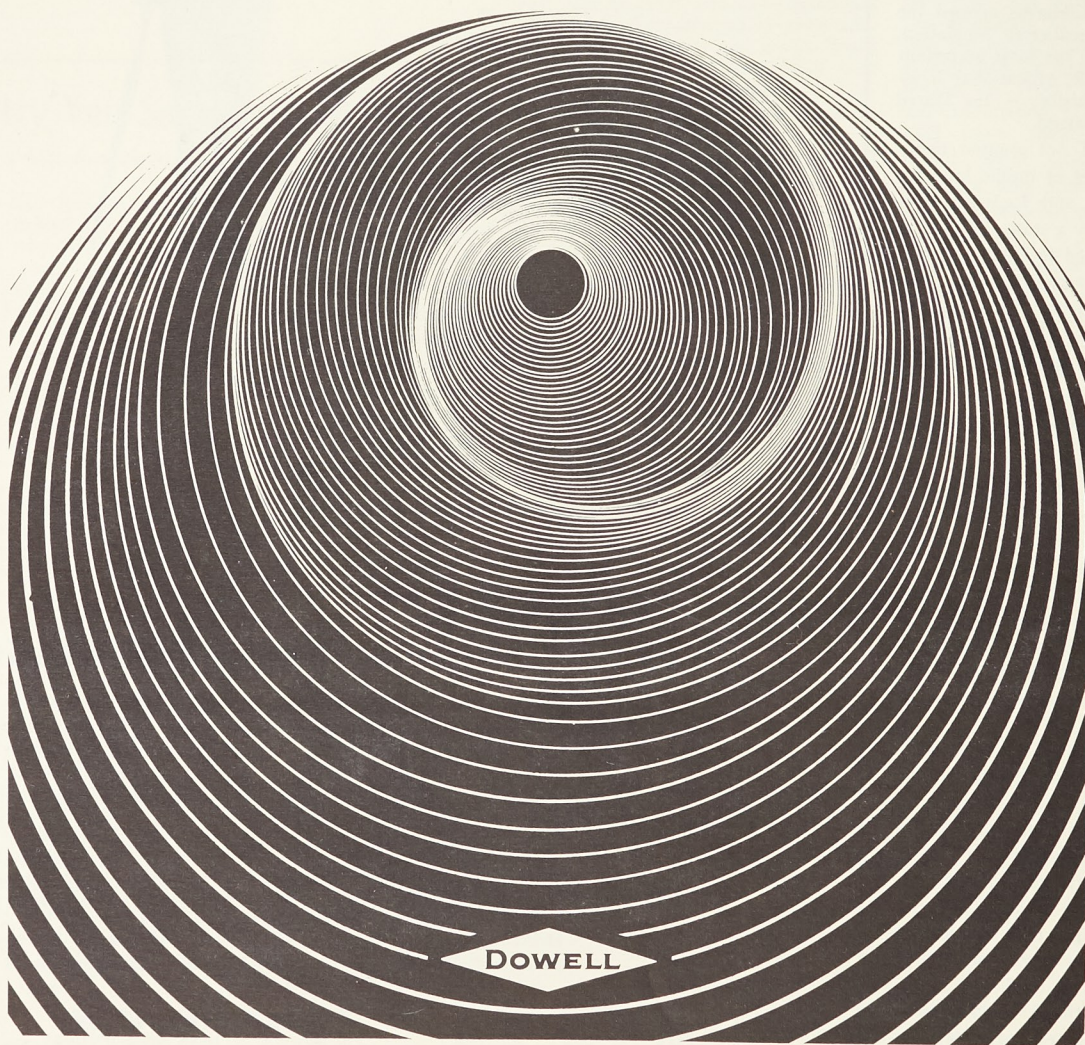
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## Student Council Reapportionment

(Continued From Page 1)

the Council, the amendment then goes to the student body for final voting where it requires a two-thirds majority of the total number of students voting. If the proposed amendment is defeated by the Student Council representatives, as this one was, a petition of fifty or more members of the student body forces it to be brought to the general election by the students. Such a petition has been filed and, therefore, this amendment will be placed before the student body on Tuesday, February 8.

Balloting will continue throughout the entire day from 8:00 a. m. until 5:00 p. m.

## BOWLING TOURNAMENT

(Continued From Page 1)

year's league average based on a minimum of fifteen games as of January 31, 1966.

4. Bowler with no league average will compete on the following basis: 3 of tournament games will be selected by draw, which will constitute basis for establishing average to be used.

5. UMR Student Identification Card must be shown before bowler is allowed to bowl.

6. Handicap will be computed on basis of 75% of difference between bowler's average and 200.

7. Bowler can win only one trophy.

## ROTC Scholarships Now Available To UMR Students

The University of Missouri at Rolla is one of 247 colleges offering the opportunity for four-year Army Reserve Officers Training Corps (ROTC) scholarships, Colonel David L. Gundling, Professor of Military Science at the University, said today.

ROTC scholarships will be available for college and university students taking part in the four-year program. The scholarship program is in its second year, and provides full tuition, textbooks, and laboratory expenses, and \$50-a-month allowance. Students enroll in their chosen field of study and also take ROTC training. They are draft exempt and upon graduation receive an officer's commission in the United States Army.

"It is expected that 1,000 scholarships will be awarded this year to college students throughout the country," Colonel Gundling said.

Of the winners last year, 92 percent were in the top 20 percent of their high school classes; 9 percent ranked number one in class standing, and 5 percent ranked number two. Further, 20 percent of the awardees were presidents of their senior classes or student councils; 71 percent were varsity letter winners, and 20 percent were varsity team captains. The Army is looking for the best men for its officer corps.

Selection is based on ability, and all winners of the ROTC scholarships receive full scholarships. Financial need is not the basis for selection.

Information can be obtained at the University ROTC Department, or write to ROTC Scholarships, Fifth US Army, 1660 East Hyde Park Boulevard, Chicago, Illinois 60615, for application forms. Application must be submitted by March 1, 1966.

## Proposed Amendment

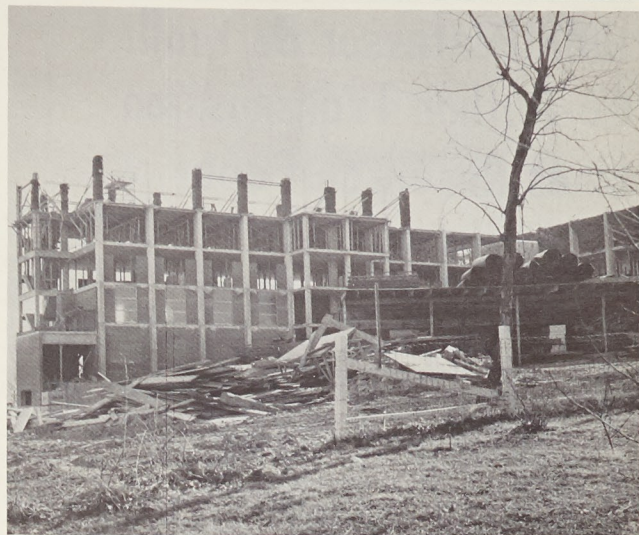
### ARTICLE III

Section 1. The Student Council shall be composed of one representative from each social fraternity recognized by the local Interfraternity Council and representatives from the independent student organizations equal in number to the total of fraternity representatives. Representation on the council may be accorded any new organization, analogous to those already represented, by a three-fourths vote of the total membership of the council.

Change to read as follows:

### ARTICLE III

Section 1. The Student Council shall be composed of at least one representative from each social fraternity as recognized by the local Interfraternity Council, from each eating club, from each residence hall association which includes its own cafeteria, from the International Fellowship Organization, and from the Independents Organization. The Independents Organization and the International Fellowship Organization shall base their number of representatives only on those members not represented by other organizations. Each organization named shall have at least one representative and upon reaching a membership of one hundred an additional representative per each additional one hundred thereafter. Representation on the council may be accorded any new organization, analogous to those already represented, by a three-fourths vote of the total membership of the council.



Construction on the new Thomas Jefferson Residence Hall is well underway and should be completed by the 1966 fall semester.

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## UMR Professor Bertnolli Co-Author Transmission Lines Research Paper

UMR electrical engineering professor, Dr. E. C. Bertnolli, is the co-author of a research paper which he will present in March at the International Convention, IEEE, New York City.

Dr. Bertnolli's paper, "Distributed Parameter RC Network Analysis," written in conjunction with Dr. C. A. Halijak, Kansas State University, is a summary of his dissertation compiled in partial fulfillment of the requirements for a doctor of philosophy degree.

## New Officers And Advisor For Beta Sig

On Tuesday night, January 4, Beta Sigma Psi held elections for officers for the coming spring semester. Don Hartman was elected president. Under Don will be Steve Mueller, rush chairman; Jim Seward, 1st vice-president; Rich Vedder, 2nd vice-president; Neil Wiese, recording secretary; Rick Bergsieker, corresponding secretary; Chuck Ericson, treasurer; Jerry Fehlig, commissary; Jim Spinner, assistant commissary; Carl Rowold, assistant treasurer; Don Fleming, social chairman and Rich Hoernerhoff, athletic manager. Ed Stevens was elected to a special liaison capacity between the chapter and our alumni organization. Rev. William J. Friederichs was again elected our pastoral advisor.

Prof. Paul R. Munger of the Civil Engineering Department, who has served Eta Chapter faithfully as faculty advisor for the past five semesters, will be leaving us to work on his doctorate next summer. Therefore, for this coming spring semester we have chosen Dr. James Scott of the Mining Department to advise us. Installation of officers took place on Monday night, January 10th.

### TEACHING METHODS

(Continued From Page 4)

and this is our finding — the the fundamental solution is that each one of us devote a considerably greater effort to making it better."

This requires "an academic atmosphere in which students feel that the university is truly interested in their educational and cultural development — in their ideas, problems, and aspirations, and in their desire and ability to help improve the educational process. This atmosphere has not yet been achieved," the report said, "at least for the great majority of our students."

### THINK CAREFULLY

(Continued From Page 4)

guest of Viet Nam, helping that country remain free. (Or is the writer afraid of or opposed to Freedom?)

Outside aid to help a country fighting despotism shouldn't be too nauseating to those opposing aid to Viet Nam. After all, where would the U. S. be without French aid in the critical times of our revolution?

The first French Constitution proclaimed "Awake, arise, or be forever fallen." The administration has awakened, has arisen, that WE may not fall!

Dealing with electrical transmission line systems, Dr. Bertnolli's research will lead to better understanding of distributed parameter RC networks and facilitate design of future electronic systems. Two mathematical solutions to the problem of transmission line analysis are included in the work; one uses a computer, the other is a closed-form solution. The researcher expects his solutions will enable electrical engineers to make a large class of new transmission system calculations.

Dr. Bertnolli will outline his discovery and accompanying data for his compeers in the field at the March IEEE meeting. A native of Kansas City, the professor joined the UMR faculty in 1965, after receiving his Ph.D. at Kansas State University, Manhattan.



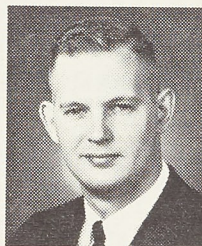
Ford Motor Co. representatives confer with members of the mechanical engineering staff at the University of Missouri at Rolla following the presentation of a check for \$5,000, first annual installment on a Ford Co. grant of \$15,000. Ex-

amining the drawings for the new mechanical engineering addition are (left to right): Prof. G. L. Scofield, Robert P. Ernest and John P. Reynolds of Ford Motor Co.; Prof. T. R. Faucett, chairman of the department,

and Prof. Charles R. Remington, Jr. Prof. Scofield is on the national board of directors of the Society for Automotive Engineers and Prof. Remington is vice chairman of the St. Louis Section of SAE.

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David Tenniswood  
B.S., Michigan State Univ.  
M.S., Michigan State Univ.

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# Chancellor Baker Speaks to Springfield Chamber of Commerce on Engineering

"The modern-day engineer has an important influence on the economy of the area in which he lives," Chancellor Merl Baker of UMR told the Springfield (Mo.) Chamber of Commerce last Monday.

In a speech entitled "Engineering Education and Its Economic Impact," Dr. Baker cited three major economic contributions of the engineer: the creation of designs of economic impact; personal contributions to the economy

and society, and the attraction of industry to areas where large numbers of engineers are located.

Dr. Baker pointed out that the state of Missouri, with four engineering schools, ranks fourth in the nation in the production of B.S. engineers. Among the individual schools, the University of Missouri at Rolla ranks sixth.

"Missouri has a valuable asset in this fourth place position, which should be emphasized in negotiating with industry for new plant locations," Dr. Baker said. Statistics have shown that most engineers eventually settle within 400 miles of their alma mater.

Dr. Baker, who was executive director of the Kentucky Research Foundation before becoming head of the Rolla engineering institution in 1963, was also a member of the Industrial Development Committee of the Ken-

tucky Chamber of Commerce. Defining as "science in action," the educator described the changes in engineering education brought about by World War II, which demanded quick breakthroughs in scientific and engineering development.

"Recognition that the ultimate goal of engineering is *design* and that the engineer is a *professional* man is most important in the education of engineers," according to Dr. Baker. Automation, which has kept the cost of consumer products low, was cited as an example of the effect of engineering design on the economy.

In respect to salary, the engineer with the advanced is now second only to the M. D. in earning power, Dr. Baker said. Four-year engineering graduates from UMR average \$650 per month, the highest of any four-year college graduate.

## LITTLE MAN ON CAMPUS



"BY GEORGE, IT'S THOSE ARMY BOYS AGAIN — WE MUST BE GETTING AROUND TO FINALS."

## Math Society Sets Goals

Kappa Mu Epsilon is a national organization for the recognition and encouragement of mathematic achievement. The KME society recognizes the achievements of mathematics in the fields of education, engineering, biological sciences, physical sciences, and business. It fosters the only national brotherhood for mathematics in four-year colleges. The UMR Zeta chapter is one of fifty-four chapters in the United States. Minimum requirements for membership are: students in good standing in any department of the University of Missouri at Rolla; enrolled in two or must have completed one course and be enrolled in another math course on the 300 level; a grade-point average in mathematics of 3.00; an overall grade point average of 2.60. The UMR Zeta chapter is proud to announce the initiation of six new members on December 14, 1965. They are: Larry Fritschel, John Kieffer, Michael Mruzik, Donald Scarpero, Roger Smith, Edward Tharp.

The new officers for the spring semester are: President, David Wehmeyer; Vice-President, Tom Baumann; Recording Secretary, Donald Scarpero; Treasurer, Art Biermann; Historian, Terry Holman.

## IK's Elect New Officers

On January 6 the Intercollegiate Knights elected new officers for the spring semester. The officers are: Honorable Duke, Lynn Brandhorst; Worthy Earl, Joe Ditto; Worthy Scribe, Dave Sandusky; Chancellor of the Exchequer, Marshall Faintich; Horrible Executioner, Doug Brockhaus; Page Master, Jim Rosenkoetter; Recorder, Dave Krausch; Expansion Officer, Jim Wiseman; Faculty Advisor, Prof. John M. Brewer. At this same meeting the IK's initiated four pages into active membership. The pages are: Brad Brice, sophomore majoring in chemical engineering; Harold Halladay, sophomore majoring in mechanical engineering; Richard Phelps, sophomore majoring in mining engineering; and Loris Piepho, sophomore majoring in mechanical engineering. The IK's are looking forward to next semester and the new officers combined with the prospect of the national convention in April in Las Vegas should encourage a fine program.



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# MINER CAGERS TRAMPLE MARYVILLE 84-52

## MINER SPORTS

PAGE 10

THE MISSOURI MINER

FRIDAY, JANUARY 14, 1966

### Key's Club Coasts to 94-79 Triumph Over Harris Teachers

Utilizing fast-running tactics and an evenly distributed scoring punch, the Missouri Miners coasted to a 94-79 win over the Harris Hornets on Wednesday of last week. Five Miners hit double scoring figures in a game marked by consistent fouling on the part of both squads.

MISSOURI MINERS (94)				
Name	FG	FT	PF	TP
Borgemeyer	4	2	2	10
Head	7	2	5	16
Lewis	4	0	5	8
Vessell	3	9	4	15
Cairns	7	1	1	15
Baggett	2	1	1	5
Andrews	5	2	2	12
Piepho	1	1	1	3
Bornemann	1	2	1	4
Brewer	0	2	0	2
Boyd	0	2	0	2
Huett	1	0	1	2
Totals	35	24	25	94

HARRIS HORNETS (79)				
Name	FG	FT	PF	TP
Davidson	2	2	5	6
Neals	7	7	3	21
Busby	0	8	4	8
Kiel	6	7	5	19
Ripperdan	3	1	2	7
Benford	5	2	5	12
Davis	1	0	5	2
Hickman	0	1	0	1
Curry	1	1	1	3
Totals	25	29	30	79

### Bulldogs Bite Worse Than Bark In 68-51 UMR Loss

By Jim Strzelec

The Miners played nip and tuck basketball for the first half of the game against the Northeast Missouri State "Bulldogs" this past Saturday night. Second half troubles, however, caused the Miners to fall to the Bulldogs, 68-51.

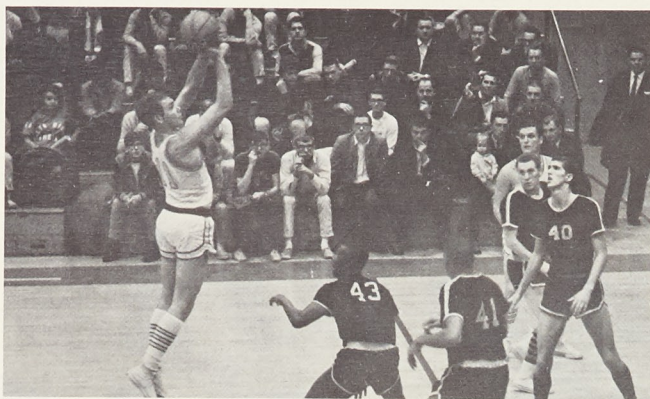
Dave Taylor 6-3 senior led NEMO's scoring with 15 points. Bob Brown, 5-11 junior, and 6-4 Sophomore Rich Rider each had 12 points, while high point man for the Miners was 5-10 sophomore Charles Vessell with 11 points. Thomas Borgemeyer 6-4 junior scored 8 points for the Miners.

The game was close all through the first half with the score being tied 6 or 7 times. With 4:00 minutes left in the half Rich Cairns shot a beautiful set shot to give the Miners the lead (23-21). Then with 1:50 left in the first half John Head fouled Dave Taylor of NEMO on a good field goal. Taylor made his free throw good and gave NEMO the lead (24-23).

Two more field goals by the Bulldogs built their lead to (28-23) with only seconds left in the half. Rich Cairns of UMR was then fouled as he shot and made good his two free throws as the half ends. This pulled the Miners

(Continued on Page 11)

First half play brought the two teams' totals a mere two points apart at intermission, as the Miners set a break-neck pace and the Harris Teachers kept in the running.



John Head totaled 16 points to lead the Miners over the Harris Hornets.

**Rick Lessmann's group from St. Louis tired in the second half however, and the Miners found themselves ahead by an ever-increasing margin.**

With fourteen minutes remaining in the second half, three consecutive field goals by UMR brought Lessman to his feet for a Harris time-out. Reorganization brought the Miner push to a momentary halt, and ball-handling errors took the place of the previously well-aimed shots.

"Just take it easy and relax!!" shouted Billy Key from the bench, and the Miners did just that as the edge over the Hornets jumped to 14 points.

### Mural Mat Play Slated for Mid-February

Intramural wrestling, one of the most popular contact sports of the mural athletic program, will get underway slightly earlier next semester as competition is slated to begin February 22. Wrestling had formerly taken place just a few short weeks before the St. Pat's celebration on the UMR campus.

Defending champion is Phi Kappa Theta, accumulating 31 points on last year's card. Pi Kappa Alpha and Tech Club tied for the runner-up position with 25 each.

All contestants must be weighed on Wednesday, February 2, between the hours of 4 and 6 p.m. At this time, wrestlers will be checked individually on the weight expected to be lost for their particular weight class.

**A minimum of ten workouts must be completed by Friday, February 18, and failure to meet this requirement will result in disqualification. All contestants**

(Continued on Page 11)

It was Key's victory from there on in, with the only second thoughts coming when John Head and Wayne Lewis were whistled out on personal penalties. The Teachers from St. Louis were in



much worse condition though, as four men (including two starters) were benched on fouls before the game was over.

John Head led the Miners in the scoring column, scoring 16 points before leaving the game with 7 minutes left on the clock. Rich Cairns and Randy Vessell scored 15 each, Mackie Andrews totaled 12, and Tom Borgemeyer had 10 points.

**Leading all scorers was Marvin Neals, 6-foot-3 senior starter for Harris. David Kiel had 19 points, and William Benford had 12.**

Action under the boards was much tighter as UMR totaled 59 rebounds as compared with 52 for Harris. Wayne Lewis grabbed nine, while Borgemeyer and Head



Rebounds played an all-important part in win over Harris.

had 7 and 6, respectively. Kiel had 10 for Harris and he was followed by Neals with 8.

In a game on December 18, 1965, the Miners defeated Harris Teachers College 90-75.

### Pressing Defense Gives UMR First League Win

If picking-off second ranked conference teams becomes a habit for the Missouri Miners, the Missouri Intercollegiate Athletic Association may be in for another reshuffling. The Northwest Missouri State Bearcats found the going rough and the outcome rougher Monday night as a powerful UMR defense pressed them off the court, 84-52. To the victors goes their first league win of the season, and to the defeated, their second loss in three starts.

Previous to this contest, Maryville has been second only to undefeated Springfield (9-1 overall). The single Northwest win was over the Kirksville Bulldogs earlier in the season.

#### UMR Squad Sparkles

"Everyone played well out there against the Bearcats, with four standouts deserving a lost of credit," praised Coach Billy Key. He went on to commend Randy Vessell, Dick Baggett, Wayne Lewis and Mackie Andrews.

"The first ten minutes of the game went unusually slow with our men scoring not more than a couple of field goals," continued Key. "Then I put in Mackie Andrews and put the press in motion." It was like turning on a well-oiled machine as the UMR group gained headway and had finally mustered-up a 38-26 half-time edge.

The second half wasn't much different from the final minutes of the first, with the welcome exception that the Miners increased the pace still more.

#### Lead Increased to 33

The Miners led by 20 with eight minutes to go in the game, but within three minutes, eight consecutive points followed by three field goals in a span of 30 seconds made the tally, UMR 76, NWMS 43. Bearcat Coach Dick Buckridge used his last timeout in an attempt to pull his squad back together, but it was too late,

and the final score rang up 84-52 Miner win.

Once again five UMR men were found in the double scoring figures, with Vessell topping-off the squad with 16. Lewis and Andrews totaled 15 and 14, respectively, while Borgemeyer had 10 and Head 11.

High point honors for the game went to Ron Howitt with 16 points, and Dave Remund had 11.

Height was with the opposition again, and the Miners were outdone under the boards, 47-41. Lewis had 10 rebounds, and Borgemeyer had 7.

MISSOURI MINERS (84)				
Name	FG	FT	PF	TP
Borgemeyer	3	4	2	10
Head	3	5	3	11
Lewis	6	3	3	15
Vessell	5	6	3	16
Cairns	1	2	3	4
Baggett	3	3	2	9
Andrews	3	8	1	14
Bornemann	1	0	0	2
Stewart	3	0	0	6
Totals	28	28	23	84

MARYVILLE BEARCATS (52)				
Name	FG	FT	PF	TP
Remund	5	5	2	11
Vollmuth	1	0	2	2
Howitt	4	9	3	16
Simon	1	0	5	2
Peirce	2	1	5	5
Marek	3	3	3	9
Hoeflerlin	0	2	0	0
Totals	16	20	23	52

Officials: Wear and Menz.

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## NEXT HOME GAME FEBRUARY 5

# Miners Go for Second Win Over MacMurray, Hit Road Over Break

Tomorrow night, the Missouri Miners will meet the MacMurray Highlanders at Jacksonville, Illinois, and after fall semester finals, the group will continue on the road for a three game stretch. On January 28, it will be Missouri Valley at Marshall, Missouri. Then on January 29 and 31, the Miners will oppose Kirksville and Maryville in MIAA play.

Bill Walls' Highlanders will be out to seek revenge on that 86-56 scalp given them by UMR last December 4 on the Rolla High Court. The situation shouldn't be much different this time either if the Miners are shooting any respectable clip. Tom Cochran and Steve Proesel will carry the

brunt of the MacMurray attack.

Missouri Valley will then host the traveling Silver and Gold as they take to the north during semester break. The men from Marshall will be battling the Miners for the second time this season, having paid a visit to the UMR campus this past Thursday.

The Northwest Missouri State Bulldogs will attempt another smashing victory over the UMR ballclub during this road trip, but Billy Key's men have other plans for the evening's outcome. The Miners will have to stop Dave Taylor and do a little rebounding on their own part.

A much improved squad from Northwest Missouri, under the direction of coach Dick Buck-

ridge, will test the Miners on the first day of the new semester. Then the group will return home for an MIAA contest against Cape Girardeau on February 5.

## BULLDOGS BITE 68-51

(Continued From Page 10)

within 3 of NEMO and the score at half-time was (28-25).

The Miners came out after half but they weren't up to par. They were outscored in the second half (40-26) which wrapped up another victory for Kirksville.

The Miners shot only 37.4% from the field as compared to 41.7% for the bulldogs. From the charity stripe the Miners had a 76.3% average while NEMO shot 81.6%. The big thing that hurt UMR was the number of rebounds they didn't get. Kirksville out-rebounded the Miners out-rebounded the Miners 46-26.

Although the Kirksville starting five averaged only 6-2 (identical to UMR), the Bulldogs had on tap such giants as 6-8 junior center Vinton Pease and 6-7 sophomore Bob Gallop. Both are transfers, joining the Purple and White of the Missouri Teachers for the first time this year. Still another college transfer, Floyd Taylor, a 6-4 senior forward from Peoria, Illinois, could be NEMO's best forward since Larry Swift graduated 4 years ago.

The Miners played admittedly poor. However they are a young team and as the season progresses they should improve immensely. UMR has the ability, all they need is the experience.

## INTRAMURAL WRESTLING

(Continued From Page 10)

most weight in Monday, February 21, from 8 a. m. until 5:30 p. m., in the gym. Please note the change in the latter date from that which was announced previously by the athletic department.

Although the status of the present facilities is not definite at this time, it appears certain that Jackling Gym will be available for the tournament as it stands now.

# MIAA REPORT

By Michael Stiejer

The race for the MIAA scoring championship tightened Saturday night. Kermit Meystedt scored 37 points on fourteen field goals and nine free throws as the Cape Girardeau Indians defeated the Maryville Bearcats 86-70.

James Gant who led the league in scoring at the beginning of the week scored only 23 points, as the Springfield Bears slipped by the Warrensburg Mules 61-60. The Bears had a thirteen point half-time lead and managed to halt the Mule rally with less than one minute left in the game.

In other league action the Kirksville Bulldogs beat the Miners 68 to 51. The Bearcats, in a non-league game Thursday,

## Rifle Team Wins Over Columbia

UMR Varsity Rifle Team No. 1 won its 5th consecutive shoulder to shoulder match at the UMR Range Saturday, January 8, with a score of 1045. It was a triangular meet with 5 four-man teams firing; two each from the University of Missouri at Columbia and University of Missouri at Rolla and one team from Kemper Military College.

University of Missouri at Columbia Team No. 1 took 2nd place with a score of 1039. UMR's team No. 2 was third with 1012, Kemper Military Fourth with 1004 and University of Missouri at Columbia Team No. 2 fifth with 972.

University of Missouri at Columbia's Fred Elliott, 270, and UMR's Paul Winkel, 266, were the top two firers for the match. High firer for Kemper Military was John Black with 262.

The members of UMR's two teams and scores were: Paul Winkel 266, Ted Moore 265, Neil Singletary 261, Richard Whelove 258, Wilford Pomeroy 256, John Peery 254, George Grandall 249, and Ranney McDonough 248.

The next scheduled event for the Rifle Team will be the National Rifle Association Sectional Championship to be held at UMR on 18-20 March. Lt. Col. John R. Short, Jr. Coach, indicated that approximately 25 teams throughout the midwest will enter this tournament.

bowed to St. Benedict's 72 to 60.

Springfield still leads the conference with a 3 and 0 record. Close on their heels are the Cape Indians, sporting a 2 and 1 record. The rest of the league stacks up this way. Kirksville and Maryville are tied for third place with identical 1 and 1 records. Warrensburg is fifth with a 1 and 2 and the Miners hold down the cellar position with a mark of one league win and three losses.

Meystedt led the league in field goals at the beginning of the week with 77 goals and was second in free throws with 45. Gant was second in field goals with 71 and third in free throws with 38. Gant had played in only seven games for an average of 25.7 points per game. Meystedt had played in eight games for a 24.9 point per game average.

Cairns of UMR has averaged 16.0 points per game in his first five games. His average would place him fifth in the MIAA scoring race. By some oversight of conference officials he was not included on the listing.

# SIDELINES

BY JIM WEINEL



If you've been one of the approximately 2000 fans following the Miners in their current basketball campaign, you probably have noticed that Billy Key has been using that fast running, pressing defense more often in the past few games. Coach Key admits that "this may not be our usual pattern of attack, but it can definitely help us at certain times." If you want an example, UMR's second game with Harris was one of those certain times: "We didn't play quite as well as expected," said Key, but Harris tired under the pressure, and we ran 'em down." Maryville, too, fell to the UMR press, as shown by the twenty-point margin separating the two clubs in the second half alone.

But then not even that press could throw the balance against the NEMO Bulldogs Saturday night. And the blame can't be put to the officials, as true as it may seem to some of those in attendance. Nothing clacked for the hapless Miners that evening; it just wasn't their night. "We should have stayed at home," in the words of Bill Key. That's all there is to it.

What if the game had been a squeaker?; those obviously poor calls by the refs might have spelled the difference between a win and a loss! "We have somewhat of a choice of officials before the season when we draw names from the MIAA," commented the UMR mentor when asked about the touchy subject. "Once a referee is signed for a game, there isn't much we can do except hope that he will keep a fair eye on the play and be consistent in his calls." Consistency is the magic word, for the abuse of this trait can do more to confuse a player than anything else.

## Sports Calendar

### VARSITY BASKETBALL

January 15	MacMurray College, at Jacksonville
January 28	Missouri Valley, at Marshall
January 29	Kirksville, at Northeast Missouri State
January 31	Maryville, at Northwest Missouri State

### INTRAMURAL SPORTS

February 2	First Wrestling weigh-in, 4-6 p. m.
February 21	Final weigh-in, 8 a. m. to 5:30 p. m.
February 22-25	Intramural Wrestling Tournament



## On Campus with Max Shulman

(By the author of "Rally Round the Flag, Boys!", "Dobie Gillis," etc.)

### ROMAN IN THE GLOAMIN'

Now as the end of the first semester draws near, one fact emerges clearly: you are all going to flunk out of school.

There are two things you can do about it. First, you can marry money. (I don't mean you marry the money itself; I mean you marry a person who has money. Weddings between people and currency have not been legal anywhere in the United States since the Smoot-Hawley Act. Personna® Stainless Steel Blades, on the other hand, are legal everywhere and are, indeed, used with great pleasure and satisfaction in all fifty states of the Union and Duluth. I bring up Personna Stainless Steel Blades because this column is sponsored by the makers of Personna Stainless Steel Blades, and they are inclined to get edgy if I omit to mention their product. Some of them get edgy and some get double-edgy because Personna Blades come both in Injector style and Double Edge style.)

But I digress. I was saying you can marry money but, of course, you will not because you are a high-minded, clean-living, pure-hearted, freckle-faced American kid. Therefore, to keep from flunking, you must try the second method: you must learn how to take lecture notes.

According to a recent survey, eleven out of ten American undergraduates do not know the proper way to take lecture notes. To illustrate this appalling statistic, let us suppose you are taking a course in history. Let us further suppose the lecturer is lecturing on the ruling houses of England. You listen intently. You write diligently in your notebook, making a topic outline as you have been taught. Like this:

- I. House of Plantagenet.
- II. House of Lancaster.
- III. House of York.



Then you stop. You put aside your pen. You blink back a tear, for you cannot go on. Oh, yes, you know very well that the next ruling house is the House of Tudor. The trouble is you don't know the Roman numeral that comes after III.

It may, incidentally, be of some comfort to learn that you are not the only people who don't know Roman numerals. The fact is, the Romans never knew them either. Oh, I suppose they could tell you how much V or X were or like that, but when it came to real zingers like LXI or MMC, they just flung away their styluses and went downtown to have a bath or take in a circus or maybe stab Caesar a few times.

You may wonder why Rome stuck with these ridiculous numerals when the Arabs had such a nice, simple system. Well, sir, the fact is that Emperor Vespasian tried like crazy to buy the Arabic numerals from Suleiman The Magnificent, but Suleiman wouldn't do business—not even when Vespasian raised his bid to 100,000 gold piastres, plus he offered to throw in the Colosseum, the Appian Way, and Technicolor.

So Rome stuck with Roman numerals—to its sorrow, as it turned out. One day in the Forum, Cicero and Pliny got to arguing about how much is CDL times MVIX. Well, sir, pretty soon everyone in town came around to join the hassle. In all the excitement, nobody remembered to lock the north gate and—wham! before you could say *ars longa*—in rushed the Goths, the Visigoths, and the Green Bay Packers!

Well, sir, that's the way the empire crumbles, and I digress. Let's get back to lecture notes. Let's also say a word about Burma Shave®. Why? Because Burma Shave is made by the makers of Personna Blades who, it will be recalled, are the sponsors of this column. They are also the sponsors of the ultimate in shaving luxury. First coat your kisser with Burma Shave, regular or menthol—or, if you are the devil-may-care sort, some of each. Then whisk off your stubble with an incredibly sharp, unbelievably durable Personna Blade, Injector or Double Edge—remembering first to put the blade in a razor. The result: facial felicity, cutaneous cheer, epidermal elysium. Whether you shave every day, every III days, or every VII, you'll always find Personna and Burma Shave a winning combination.

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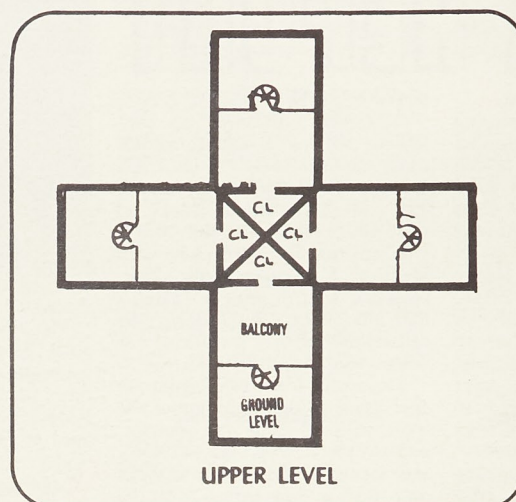
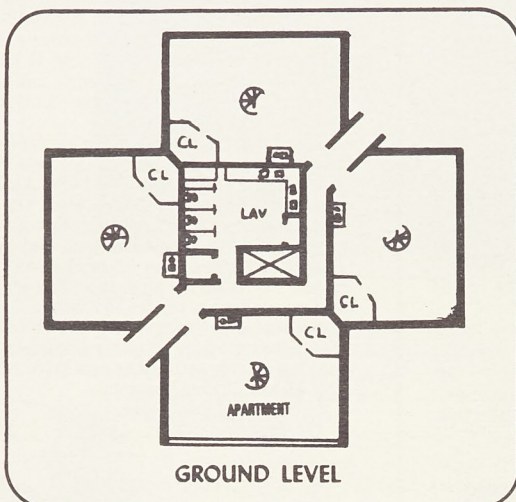
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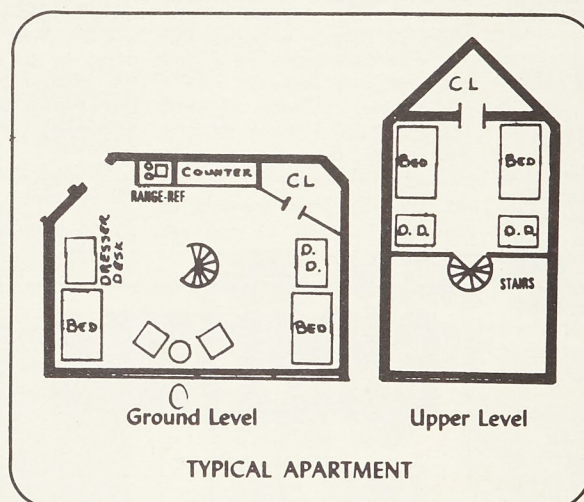
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