

## The Price of a Time of Change, a Time of Turmoil . . .

# Loneliness Causes Student Suicides

Editor's Note: This is the first in a three-part series on the rising rate of suicides and suicide attempts among college students.

By DENNIS HODGES

This year over one and one-half million Americans will enroll in an institution for higher learning. For many it will be an experience marked with growth and change, joy and adventure.

For many others it will be a time of tragic loneliness—a time of sorrow, anxiety and failure.

DUE TO poor grades, lack of ability, dissatisfaction or a number of other causes including the draft, thousands will leave after their first semester.

Too many others will make a violent exit from college.

With a gun, a hunk of rope or a bottle of sleeping pills, they'll take their own lives sometimes with the desire, ironically enough, for self-preservation.

ALTHOUGH NOT as alarming

as certain statistics may make it seem, suicide among college students, a cause of death second only to accidents (some sources place it third below cancer, does seem to reflect the price of a time of change) a time of turmoil.

Most of the literature on suicide agrees that there is some personality or emotional instability motivating the person who makes a suicide attempt or successfully takes his own life.

In a recent issue of *Therapeutic Notes*, a medical journal, it was estimated that at least 600,000 of the 6-million college students in the United States have emotional problems which require some type of psychiatric assistance. All of these students, however, are not suicidal.

THE SAME article estimated 90,000 students would threaten suicide and another 1,000 would succeed. It suggested that the alienated student—the person with complaints of vague sensations of apathy, chronic unhappiness and boredom—may react

to stress with depression. The response to that depression is often attempted suicide.

The psychiatric service of the Student Health Service here diagnosed 57 students last year as suffering from "depressive reactions." This individual, according to Elaine McFarland, Health Service director, is most prone to make a suicidal attempt.

Two University students committed suicide last year.

THE PICTURE for Arizona is, nonetheless, bright. "Arizona has the lowest student rate in the country," said McFarland. "The number of suicides is far below the national average. I can't tell you why—we don't know why."

The whys of suicide are often difficult to determine. Even the collecting of statistical information is hampered. Because suicide is a great taboo, people intimately connected with a suicide victim are often reluctant to discuss the subject.

The statistics are obscured even more when suicides are re-

ported as accidents or natural causes. Some acts of willful self-destruction are well camouflaged under such disguises as reckless driving and therefore add to the inaccuracy of scientific investigations.

STATISTICS alone, though, are not sufficient to describe the suicidal act and the inner forces which drive a person to suicide are often only discussed through "intellectual guesswork."

Erwin Stengel, a British professor trained in psychoanalysis, noted in a book on suicide and attempted suicide that both suicide and homicide are instances of uncontrolled aggressive impulses and differ only in their choice of objects.

Whereas the homicidal person turns his aggression outward toward other people, Stengel said, the suicidal person turns his aggression inward.

A GROUP of social workers employed by the Arizona State Hospital, who would prefer to remain anonymous, suggested that the recent violent death of a University coed who shot herself instead of her pet dog, may have been a case of what they called "misdirected homicide."

"The girl's great desire to hurt her parents because of their injustices to her, punished them in the most severe way possible. Had she shot her parents, she would have suffered, but by killing herself she inflicted upon them a life of misery and guilt," they said.

While discussion continues, labeling suicide "man's final attempt to control his destiny" or the suicidal attempt a "cry for help," certain features are known about the person who commits suicide.

SUICIDE RATES seem to be correlated to the male sex, increasing age, single and divorced marital states, high density of population, residence in a big city, high standard of living, a history of broken homes in childhood and mental or physical disorders.

Although fewer women commit suicide than men, their threats of suicide are far more frequent. Women choose less violent suicide methods, preferring barbituates to shooting, hanging, jumping from high places and slashing wrists, the other more common methods.

Because suicide is often clouded in mystery, most people have

certain misconceptions about it. Although the statistics indicate that suicide victims were of a particular age group and had certain social and economic similarities, suicide plays no favorites of color, age or nationality—every man is capable of committing humanity's most irrational act.

ACCORDING TO a pamphlet published by the Public Affairs Committee, a nonprofit educational organization, the commonly-held belief that people who talk about suicide don't commit suicide is not necessarily true. "Of any ten persons who kill themselves, eight have given definite warnings of their suicidal intentions," it states.

The emotional disorders which set the stage for student suicides often stem from a situation which developed before the student's entrance into college. Pressures and demands placed upon him regarding grades, parental wishes and society's expectations could be the determining factor between life and death.

Dr. Dana L. Farnsworth, professor of hygiene at Harvard University, in one of the few books on student mental health, quoted one student as saying, "Every time I succeed, my success is immediately taken over by my parents. The only thing which I can do which will be peculiarly my own is to fail."

THE STATEMENT reflects the plight of many college students: they are removed from the rules and restrictions of the immediate family, placed into an environment where they are expected to assume responsibility for their behavior and yet are often considered by society to be unable to determine the course of their lives.

Time magazine related the incident of the son of a pharmacist, attending a large university, who tried to become a physician as his father urged.

"He flunked chemistry and vomited while dissecting a frog," the article said. "He wrote a note saying that he had dishonored himself, then shot himself."

After the shock and horror dissolves, the circumstances surrounding most suicides all seem to point in the same direction: the individual was in isolation from his environment, he experienced a great deal of stress—and, above all, he suffered a tragic sense of hopelessness.

## Judges Will Speak —

### Institute Slates Dramatization

Courtroom dramatizations and remarks by Juvenile Court Judge Thomas Tang will highlight a two-day institute beginning Thursday which will explore the consequences of the U.S. Supreme Court decision granting juveniles rights to legal council.

The court's decision was rendered in the case of Gerald Gault, a Globe teen-ager who was sent to Fort Grant Industrial School after a hearing at which an attorney was not present.

JUDGE TANG'S remarks will open the institute at 9 a.m. in the Moot Court Hall of the College of Law building.

Registration for the 400 persons expected to attend will begin at 8 a.m. in the lobby.

The first session at 9:30 a.m. will examine methods of detection and investigation in juvenile cases. A dramatization will illustrate a session on the arraignment of juveniles after interrogation practices are analyzed in a 1:15 p.m. meeting.

FRIDAY morning sessions will

cover protective services and juvenile hearings. Dramatizations in the afternoon will depict the adjudication procedures and the disposition of the juvenile hearing.

Program participants include James P. McLaughlin, chief probation officer at the Maricopa County Juvenile Detention

Home, Justice Lorna Lockwood of the State Supreme Court and Robert Corbin, Maricopa County Attorney.

Other participants will be Chief Judge James Duke Cameron of the Arizona Court of Appeals and Capt. Hugh Cleary of the Scottsdale police department.

### Ceremony Will Honor Five Fulbright Scholars

Five University students have earned Fulbright Scholarships to continue their studies next year in foreign lands.

The scholars will be among many outstanding students who will be feted Friday during Honors Day ceremonies in Grady Gammage Auditorium at 10:40 a.m.

RONALD MAX Harmon, A. Michael Wilson, Steven E. Price, Robert Lindell, and Alberto Rudolpho Sanchez were the recipients of the award.

Harmon and Wilson will travel

to Brazil where they will study Portuguese. Both are graduating seniors majoring in foreign languages.

Price will attend Victoria University in Wellington, New Zealand. He is currently a doctoral candidate in political science.

LINDELL, a graduate assistant in humanities, will study musicology at the Academy of Music in Vienna, Austria.

Sanchez earned a grant to the University of Malaya to pursue Far Eastern and Chinese Studies. He is the first Arizonan to win a Marshall Scholarship which is awarded annually to only 24 in the nation.

The awards are made by the U.S. State Department under the Fulbright-Hays Act. Their purpose is to increase understanding between Americans and the people of other countries.

### Junior in U.S.A. Contest

Shirley Sprague, a fine arts junior, captured the Miss Arizona title in the Miss U.S.A. pageant Saturday night in Scottsdale.

Miss Sprague will leave Friday for Miami, Florida, where she will represent Arizona in the Miss U.S.A. contest, part of the Miss Universe Pageant. She was a State Press Devil Doll last spring.

### Faculty-Student Roundtable Today

Dr. Morris Starsky of the philosophy department will lead a roundtable discussion presented by the Faculty-Student Relations Board of ASASU at 3:30 today around the fireplace in the MU lower lounge.

# what's happening

## Slumber Party Marks Tapping of New Spurs

"Who are you? You're a Spur!" This was the greeting for 36 freshman women Monday night.

This year's Spurs members tapped their successors as part of Women's Week activities. After tapping, the new Spurs were taken to a slumber party at Manzanita Hall.

THE COEDS shared Spur songs and experiences of the past year and received a general introduction to the organization.

After very little sleep, the coeds were taken for a sunrise ceremony at Danforth Chapel. The tappees received mum corsages and silver spurs as symbols of their membership.

Those tapped are Chris Ander-

son, Susan Ballenberger, Barbara Bengston, Jenni Buck, Terry Budd, Claudia Clark, Cathy Conley, Mary Copsey, Pat Crow, Mary Evans, Carol Fuhr and Ann Genardini.

ALSO TAPPED were Callie Golom, Elaine Haggman, Trudy Halderman, Cathy Harrington, Joanne Hawk, Anne Henry, Sherry Hutt, Mary Jay, Susan Landauer, Susan Lovitt, Susan Lowden and Ann Mansfield.

Linda Martimick, Jill McDonald, Jean McKee, Kathy Murphy, Sallie Nelson, Kathy Padgett, Nancy Regier, Marcie Smith, Lynn Stephenson, Ann Steverson, Vicki Vedder and Ann Wyman were also tapped.

## Communications Fete Honors Media Students

Tom Pettit, news correspondent for non-commercial KCET-Channel 28 Los Angeles, will be the speaker for the Communications Awards Banquet Thursday night at Thunderbird Country Club.

Pettit, a correspondent and writer with NBC news for eight years, has been with KCET and the Public Broadcast Laboratory since September 1967.

The 37-year-old Pettit heads a news bureau in Los Angeles which has produced several documentary news and public affairs programs, including the first extensive look by television at the prolonged copper strike and how it affected the copper companies and workers in Arizona.

His list of assignments with NBC includes coverage of the 1960 and 1964 Democratic and Republican conventions. He was also on camera when Lee Harvey Oswald was shot.

The Communications Banquet is an annual event to recognize outstanding student work in

journalism and radio-television at the University.

Highlighting the awards are two Eugene C. Pulliam-Sigma Delta Chi Scholarships, which go annually to two men at the end of their sophomore year.

Other award donors are the Tempe Daily News, Mesa Daily Tribune, McGrew Printing and Lithographing, W. A. Krueger Co. Sigma Delta Chi, Theta Sigma Phi and Arizona Industrial Editors.

Bill Cushing, president of the campus chapter of Sigma Delta Chi, will be master of ceremonies.

Robert E. Lance and Don Somerville, both assistant professors of mass communications, will present the department honors to the top students for the academic year.

STATE PRESS is published by Arizona State University as the official campus newspaper every Tuesday through Friday during the school year, except holidays and examination periods, and is entered as second class matter at Tempe, Arizona, 85281.

## Capt. Renner Named 'American of Year' Legion Post Honors Teacher

An instructor in the Army ROTC department has been awarded the American of the Year Award by Post 29 of the American Legion in Glendale.

Capt. John A. Renner, a veteran of the Vietnam war, was voted the award by a committee of Glendale citizens.

The captain, who teaches sophomore ROTC, is a graduate of the UofA and received his Army infantry commission through that school's ROTC program. He was a football letterman and a member of junior and senior men's honoraries at the UofA.

In Vietnam, Capt. Renner served as an infantry company commander and as an opera-

tions plans officer. He holds the Silver Star with oakleaf cluster, the Air Medal, the Purple Heart and the Bronze Star.

The award, according to the Glendale American Legion post, is presented annually to the Glendalian whose contributions have significantly advanced the well-being of the community, state and nation. The award was presented to Capt. Renner by U.S. Rep Sam Steiger of Arizona's Third Congressional district.

## 5 Seniors to Sing In May 14 Recital

Five seniors will perform May 14 at Gammage Recital Hall at 8:30.

Slated for the performance are James Campbell, Margo Smith, Cherie Reed, Judy Ohl and Sandra McChesney.

Campbell will sing selections by Puccini, Schumann, Franz, Hiller, Verdi, Terry, Watts and Hahn.

Reed, a soprano, will perform "O, Isis und Osiris" from "The Magic Flute" by Mozart, and "Il Lacerato Spirito" from "Simon Boccanegra" by Verdi.

Judy Ohl, soprano, and Sandra McChesney, mezzo-soprano, will sing "I Know a Hill," "Sussex Sailor," "Come O Blessed" and "Blow Ye Winds High Ho." Margo Smith will accompany the selections.

## Rowe to Participate In National Seminar

Kenneth L. Rowe, assistant professor of office administration and business education, will participate in a national seminar on research and evaluation of occupational education, May 6-10.

The seminar, sponsored by the Center for Occupational Education at North Carolina State University, the Center for Vocational and Technical Educa-

tion at Ohio State University, and the Research Committee of the American Vocational Association, will be at North Carolina University.



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## Traveling Art Collection On Exhibit at Matthews

"draw, cut, scratch, etch — PRINT!" That's the title of a travelling collection of prints on Center for Occupational Edu-16-June 4.

The show, on loan from the IBM Corporation, includes 50 original American prints dating from the early 19th century to the present. All major graphic media are represented.

Some of the earlier works are

by James A. McNeil Whistler, Childe Hassam, George Bellows, William Morris Hunt and Thomas Moran.

Contemporary works include "Image of a City" by Norio Azuma, "The Rabbit" by Rico Lebrun, "Pomegranate" by Antonio Frasconi, "In Memoriam" by Boris Margo, "Walt Whitman" by Charles Wells, and "Lion" by Misch Kohn.

## Memorial Scholarship Honors Rights Leader

Architect Paolo Soleri has established a scholarship fund in memory of Dr. Martin Luther King Jr. to enable a Negro student to attend his five-week summer architectural workshop in Paradise Valley.

Soleri's Cosanti Foundation at 6433 E. Double Tree Road, attracts college students from throughout the world. The University awards four semester-hours credit for the course, known as "Silt Pile No. 8."

School fees, lodging at the foundation and \$15 per week expenses will be provided by the scholarship. Students will be accepted on a first-come basis.

A matching fund for a second Negro student has been offered by Saint Suber of New York, an acquaintance of Soleri's.

## Religion Courses To Begin This June

Six religion courses are being offered this summer by the School of Religion, an organization sponsored and financed by the 28 religious denominations belonging to the Religious Conference.

The courses which are free of tuition and good for college credit, will be taught on a non-indoctrinational basis by qualified instructors.

Information and registration is in the Office of Religious Affairs in Danforth Chapel.

## Union Oil Offers \$500 Scholarship

Dr. Troy L. Pewe, geology faculty chairman, announced that a \$500 exploration scholarship has been awarded by the Union Oil Company of California. The scholarship is to be used by an undergraduate geology student.

## Flying Saucers Either Myths or Else Hot Air?

# Expert Debunks Reports

By JANE SIMS

Flying saucer tales were discounted as "exaggerated but explainable myths" Monday by Philip J. Klass, author of "UFOs Identified," who exposed one saucer sighter as a fraud in a talk to reporting and radio-television news classes.

Presenting a courtroom type case in a classroom situation, Klass systematically exhibited evidence he compiled to prove the distortion of alleged saucer sightings.

Slides taken during his investigation of a reported incident where a prominent warehouse manager encountered a strange-looking object led to Klass' charge that the report was a hoax.

"THIS MAN claimed that a very brief flash of flame came

from an object and it landed on the road, burning for nearly a minute," Klass, senior avionic editor of Aviation Weekly, said pointing to a picture of the manager.

"However, three charred matches that would have been blown away by the blast were found on the spot, and also, asphalt won't continue burning once the source of heat is removed."

Klass maintained that because facts were "noticeably withheld," this incident and several others convinced many people that flying saucers actually exist, even though only 10 per cent of the 500 annual sightings are "legitimate reports."

"EVEN ONE of the more responsible UFO believer groups, the National Investigations

Committee on Aerial Phenomena, admits that 50 to 80 per cent of the reports are hoaxes or misidentifications," he said.

"But because NICAP's 14,000 members want to believe that UFO's are extraterrestrial, it's not surprising that their investigators don't probe deeply to explain tough cases."

One answer for the unsolved UFO cases, Klass proposed, is the ball lightning theory. Ball lightning is a freak atmospheric plasma which is often described as an orange-red or bluish-white mass.

"If UFOs are plasmas it is possible to explain how they move at high speed, change shape and size, show up on the radar and determine their motions by energy levels," he said.



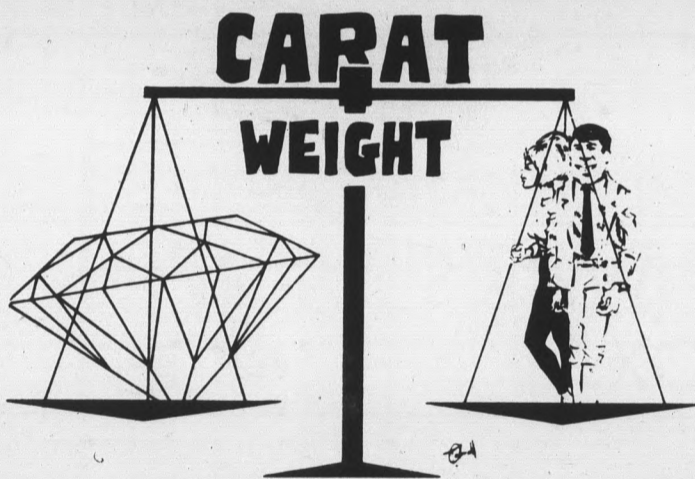
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# LETTERS TO THE EDITOR

## MORE ROTC

Editor:

My letter concerns President Durham's statement on the Regents' decision upholding compulsory ROTC. He made the prediction that by September, 1969, the mandatory program would be replaced by a voluntary one.

I am sure that Dr. Durham is an honest man. But I disagree with his prediction. I doubt that the Regents will ever change their minds. The move for a voluntary program has been going on ever since ASU became a university. Every time the issue has come up to the Regents for approval, they have flatly voted against it.

There seems to be little hope under the present methods for attaining a voluntary program. We have tried petitions; we got the support from the faculty and student senates of ASU and UofA, the Young Republicans, the Young Americans for Freedom, President Durham, President Harvill of UofA, the American Association of University Professors and even the Regents' own investigating committee. All

our efforts, so far, have failed. We will have to try something else.

Before I go any further I think that I should point out that we are the governed; we are the government; we have the right to change the rules and regulations of this university. According to The Declaration of Independence:

Governments are instituted among Men, deriving their just powers from the consent of the governed, That whenever any Form of Government becomes destructive of these ends, it is the Right of the People to alter or to abolish it, laying its foundation on such principles and organizing its powers in such form, as to them shall seem most likely to effect their Safety and Happiness.

Many students are already planning not to register for ROTC classes next fall, the Regents might take a second look; the University would lose prestige and money if the graduating class of 1971 were all women.

Robert N. Carter

## NAVARRO

Editor:

A few weeks ago, Fernando Navarro's art sculpture titled "Marine" created quite a bit of criticism. Was it the sculpture itself that caused so much attention or was it the word "Marine" attached to it that caused various inferences to be made about it.

I believe that the sculpture itself created various emotions and the title "Marine" created inferences parallel to those emotions (the title "Marine" affects the nervous system because of the different emotional evaluations associated with actual Marines — brothers, friends, etc.). Mr. W. McCormick's statement titled "Artistic Morality" and my own statement imply that the Marine uniform was disgraced and displayed with very poor taste. So what?

Words lead to inferences. On the non-verbal level of evaluation the life facts of being a Marine are many and complex. On the verbal level, spoken language and written words express, or should express, similarities to those life facts.

In titling his sculpture "Marine," Fernando Navarro failed to abstract the word to a specific life fact. If I had titled his original sculpture, it would have had "Marine — not afraid to die," or "Even in Death, a Marine." Lower-

ing the level of abstraction with this title, in my opinion, would have cushioned the emotional impact experienced by the students. So what?

The criticism that Navarro received was not only from the students of Arizona State University but from sources as far away as San Francisco, California. Among the prominent advisors and dissenters influenced by Navarro's sculpture was the director of the Twelfth Marine Corps District, representatives of the U. S. Attorney General's office, Marine headquarters in Phoenix and numerous faculty of the University. So what?

This ultimately led to the premature closing of the art exhibit, which in turn, led to the legislation or regulations for future art exhibits. The students want more freedom of expression and the faculty advocates restraint. What started as an art exhibit is now an issue of self-restraint versus substantive rights.

It is evident that a study of words, as symbols, and the proper evaluation of non-verbal life facts would have benefited both the artist and the critics. In reading over my own statement, I have to correct myself because I inferred that Fernando Navarro was not a Marine veteran. I sincerely hope that he has gained some worthwhile knowledge from this experience. I have.

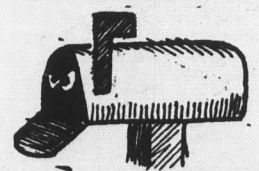
David Hawkins

# opinion forum



I DON'T CARE IF HE IS YOUR FRATERNITY BROTHER...THAT'S NO WAY TO DANCE WITH YOUR AUNT AGNES!

## CAPTAIN FENWICK'S MAILBOX



Eric Starvo Galt is innocent of the assassination of Martin Luther King. The real killer is folk singer Bob Dylan.

This is God's latest revelation to Larry Klein of Chicago, whose past predictions (that Ronald Reagan would retire from politics in March, for example) have been chronicled in the Mailbox.

ACCORDING TO him, "Dylan used manufactured fingerprints, makeup of an advanced composition and disappeared in a car and all via flying saucer."

Dylan, please recall, was one of the 77 evil angels on Klein's complete list from God.

Klein is convinced that Dylan will confess to the public in open court if confronted by this prophet of God.

ALSO ENCLOSED in his latest mailing was "God's letter to all" from Martin Luther King. It was given to him word for word by spiritual contact through Christ on April 11, a week after King's death.

Regardless of President Johnson's withdrawal from the presidential race, Klein says, Johnson will still be impeached this

year "to prevent him from destroying the entire world via the H-bomb."

LBJ's recent statements are only lies because he is a maniac, a con man, liar and murderer. And, Klein reminds those who receive his letter, "you have been enlightened regarding this matter in the name of the Father, the Son and the Holy Spirit."

\* \* \*

MEANWHILE, the Selective Service System has launched an awards program for employees who submit original suggestions.

During the last fiscal year, 55 employees in the entire nation made suggestions. Each of them was awarded a ballpoint pen. Gosh.

<b>state press</b>		
Managing Editor David Anderson	Editor William S. Thomas Campus Editor Linda Cottam	News Editor William Cushing
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# Electronic Probe To Analyze Atoms

The University will have its \$130,000 electron beam microprobe analyzer in operation this fall. Dr. LeRoy Eyring, chairman of the chemistry department, said the piece of machinery will give a complete analysis of substances only a few square microns in size.

Prof. Eyring went on to say that the analyzer will be able to determine the types of atoms contained in any materials with-

out destroying or affecting the structure of the minute specimens.

For example, the art department can study flecks of paint to determine the authenticity of paintings. Also, geologists will be able to learn more about the University's meteorites.

Eyring said that modern scientific training must go beyond the bachelor's degree and include sophisticated instruments such as the microprobe.

# Channel 8 to Air Latin Orchestra

Carlos Chavez, the creator of the Symphony Orchestra of Mexico, will be featured in this week's Channel 8 NET Festival. Chavez is a composer and conductor and his Symphony Orchestra was the precursor to the National Symphony Orchestra.

The program will be given tonight at 8:30. The program will reveal the artistry and activity of Chavez's 50 years as a key figure in the music of Mexico.

# Member of Law Firm to Speak At Beta Gamma Sigma Banquet

Frank L. Snell, senior member of law firm of Snell and Wilmer, will speak at the spring banquet of Beta Gamma Sigma, national business fraternity.

The banquet will be held May 10 at 7 p.m. in the MU. Initiation ceremonies for new members will be held prior to the banquet in the Business Administration building.

Snell is former president of the Phoenix Chamber of Commerce,

chairman of the board of Junior Achievement of Phoenix, president of the Phoenix Kiwanis Club and president of the Phoenix Fine Arts Association. He received the "Man of the Year" award from the Phoenix Advertising Club.

Membership in Beta Gamma Sigma is limited to seniors who rank in the upper 10 per cent of their class and juniors in the upper four per cent of their class.

# Blue Key Rush Slated For Juniors, Seniors

Junior and senior men students with at least a 2.75 cumulative grade index, who participate in at least two campus activities are qualified to apply for the Blue Key Rush to be held May 12 from 3-5 p.m. in the lower MU lounge.

Blue Key is an honorary service fraternity that conducts various charitable activities throughout the school year.

Applications for the rush may be picked up at the MU Information Desk and must be turned in by Friday, May 10.

# Sigma Nu Social Fraternity Hosts Region 11 Gathering

Sigma Nu fraternity recently hosted an annual seminar for Division 11 of the national fraternity.

The seminar included representatives of 13 Sigma Nu chapters from Montana, Wyoming, Colorado, Utah and Arizona.

The program lasted two days during which the 50 men in attendance exchanged ideas about the various programs at each chapter.

# Quest for Peace Topic of Professor

Dr. Abid A. Al-Marayati, associate professor of political science, will discuss "In Quest of Peace" at 2:30 p.m. Monday in the MU ballroom.

The lecture is free of charge. The speech is sponsored by the International Relations Club.

# Fulbright Granted

Louis Mennuti, former University instructor of English, has been awarded a Fulbright teaching fellowship to the University of Palermo in Sicily for the 1968-69 school year.

## TO THE WOMAN SEEKING A CAREER IN THE MEDICAL FIELD

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# X Rays Utilized in Rock Exploration



Photo by Roger Thompson

**THEY X-RAY ROCKS** — Graduate student Gaylon Lee and Mrs. Betty Jo Smith, nurse at the Student Health Service, prepare to reproduce specimens with medical center X-ray machine. Lee uses the machine to trace the rocks' origins. This is the first time such a study has been attempted at the University.

## Professor to Address Class at Alma Mater

Dr. Merle C. Nutt, professor of engineering, has been invited to return to his Alma Mater, Western Military Academy, Alton, Ill. as the commencement speaker on June 2 — just 50 years after his graduation from the academy in 1918.

He graduated as valedictorian and honor graduate receiving an appointment to the United States Military Academy.

Nutt has just written a book entitled, "Principles of Modern Metallurgy," which will be used as a text by many colleges and universities and also as a training book for foremen and supervisors in industry throughout the country.

In addition to his teaching responsibilities, Nutt does consulting work in metallurgy for such firms as General Electric Co., Spreckles Sugar Co.,

Goodyear Aerospace, Talley Industries, Unidynamics, Nippon Yakin Kojyo, Japan and others.

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Medical X rays aided in tracing the origin of more than a dozen six-million-year-old rocks in a recent unique study by a geology graduate student.

Photo-like reproductions of the specimens by a chest X-ray machine provided Gaylon Lee with pictures of the rocks, emphasizing their dominant features. By studying the X rays Lee, a graduate student on a fellowship from the National Science Foundation, was able to date rocks' origins back to the Paleocene epoch.

"X RAYS of this type aren't commonly used in geology studies," he said. "Health center officials finally allowed the test when I convinced them it was contributing to the advancement of science."

Although X rays have been used before in rock studies, this is the first time this type of study has been done here, he said. It probably would have been more difficult to trace the

origin of the specimens without the X ray photos.

"Lee's project and most of his previous work show definite promise in the geology field," said Dr. Chester Royse, Lee's instructor, who assisted him in the study. "He's one of our more promising graduate students."

BY MEASURING the different type forms of small sedimentary structures in the rocks, Lee discovered the origin and environment of the rocks.

"The streaks or density variations in the rocks showed up in the X rays; and I was able to get a clearer picture from the X rays," he said. "From these results, I was able to trace their environment and estimate the stream depth and velocity and the amount of material in suspension."



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ONE owner 1964 Impala, supersport Chevrolet, automatic transmission, factory air, power steering. Milage 30,000. Phone 966-7384.

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'64 VW, Sunroof. \$750. 967-9809 after 6 p.m.

61 CORVAIR 700, 4 speed R/H \$250 also Be II Helmet 77% \$20. Call 948-6834.

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### ● WANTED

WANTED: Students to picket FOR VOLUNTARY ROTC, Friday, May 10, Honors Day Assembly. 10:30 a.m. Gammage Auditorium.

FEMALE roommate for summer. \$50 per month for Bali Lanai. 966-6126.

MALE roommate for summer. Contact George LeSalle, 961-4272, Hayden Hall.

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GOING to McAllister, Oklahoma, May 21. Share expenses. Call Steve at 254-9145 after 5 p.m.

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# Suns Nab Ex-Devil Hamilton

By **BILL JACKSON**  
Sports Editor

The Phoenix Suns, the Valley's entrant in the National Basketball Association, picked former Sun Devil star Dennis Hamilton in the professional draft Monday.

Hamilton, a 6-8 "inside man" for coach Ned Wulk during the 1963-66 seasons, played for the Los Angeles Lakers last year and averaged 2.8 points a game, seeing limited action.

While at the University, Hamilton scored 1,079 points to rank him as the sixth highest scorer in the school's history.

As a sophomore Hamilton averaged six points a game, increased that to 17.3 points per game as a junior, and finished his career scoring 17 points a game.

On graduating in 1966, Hamilton played on the United States All Star team that toured Europe.

"He has better than average speed for a big man and a pretty good shooting eye," said Wulk.

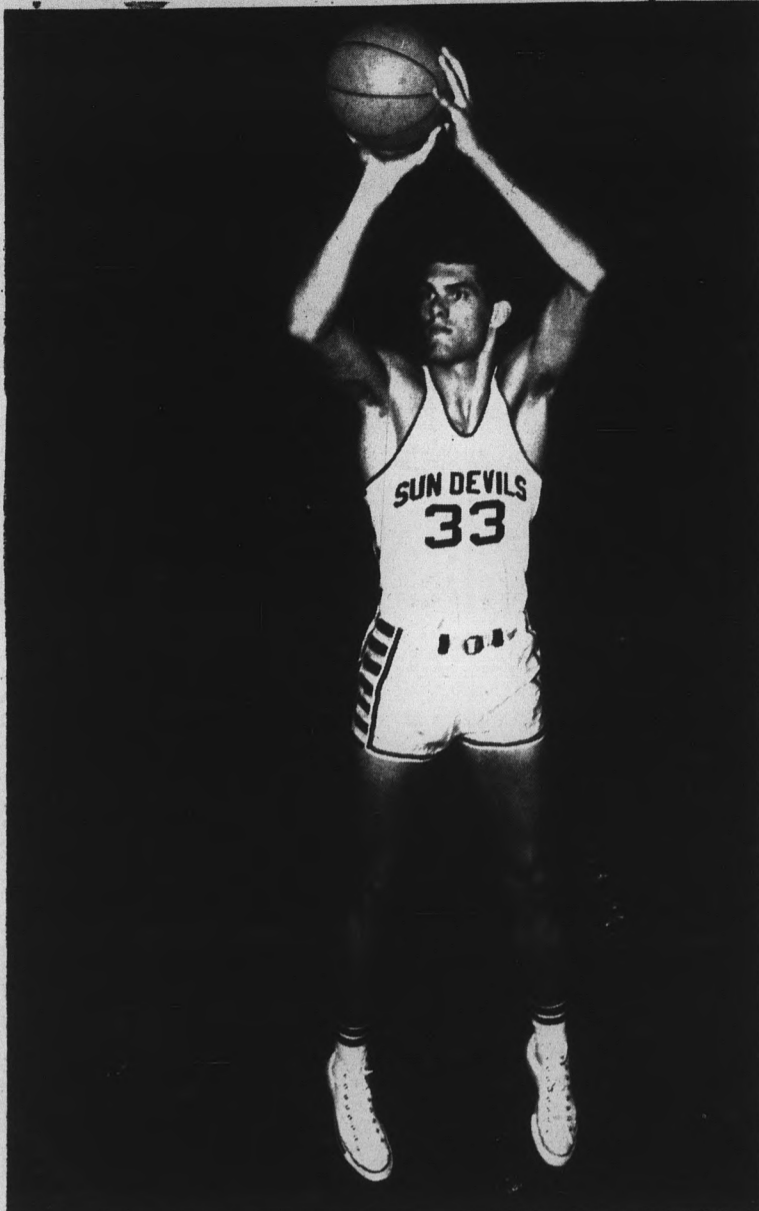
Wulk added that Hamilton is relatively inexperienced, but should come around in two years.

The Suns are also interested in another ex-Devil, Joe Caldwell, now with the Atlanta (formerly St. Louis) Hawks.

Wulk said that it depended on what kind of deal they (the Suns) could make for him (Caldwell).

"They would have to deal in future draft choices, possibly (Lew) Alcindor," Wulk said.

Alcindor is the highly touted center now in his junior year at UCLA.



**WITH SUNS** — Dennis Hamilton, 6-8, inside man for the Sun Devils during the 1963-66 seasons, was drafted by the Phoenix Suns in the professional draft Monday.

# Coed Sets 3 Records In UCLA Swim Meet

The University women's swimming team, led by the record-breaking performance of Kendis Moore, finished another undefeated season last weekend by capturing first place in the UCLA Invitational Swimming Meet at Los Angeles.

The University women, with 145½ points, out-distanced the host school by more than 85 points, as the Californians could muster only 61 points.

The local women won 8 out of 15 events, with Miss Moore taking three of them.

Miss Moore set records in the 100 yard backstroke, (1:03.5) and the 100 yard butterfly (1:10.4). She was also a member of the winning 200-yard medley relay team.

Another record-breaker was Martha Gotchell in the 50-yard freestyle with a time of 26.9.

Other first place finishers for the University included Claudia Clark, Ann Peterson, Ilene O'Donnell, Milly Roberts, Penny Estes, Sandy Stock and Patty Posson.

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## Features Special Lights, Staging, Electronic Music Experimental Play Opens

"Pelleas and Melisande" produced by Stratton Powell, graduate student, will be presented at the Lyceum Theatre tomorrow through Sunday. Curtain time will be 8:30 p.m. tomorrow and Friday and at 7:30 p.m. Saturday.

An experimental approach will be taken by Powell. He will present the play on the Lyceum's main, fore and two side stages, in a multilevel arrangement featuring spacestaging techniques.

NON-REALISTIC SCENERY will be projected on the stage by specially designed lighting instruments. Electronic music will provide unusual effects.

Powell's reason for employing an experimental, modern approach is to emphasize the contemporary philosophy contained in the 19th century drama. The theme of people tampering with their

fate at their own peril is as valid today as it was in the 1890's, he said.

"The characters drift through a world of unreality in this play," said Powell. Language follows the abrupt, repetitive stream-of-consciousness technique. Maeterlinck translated and transformed moods, emotions, thoughts and philosophies into delicate symbols woven into a tapestry of romance and tragic fate."

POWELL WILL BE using Richard Hovey's translation of the romantic symbolist tragedy by Maurice Maeterlinck. Maeterlinck was one of the French Symbolist School of poets and playwrights who attempted to give dramatic life to the never-ending search for truth.

Powell is directing the play in partial fulfillment of the requirements for a master's degree in drama.

## University Grande Dame Retires After Years of Service

Retired but not tired. After more than 14 years with the University, Aneran Cavalier Segis has retired. The lady leaves behind a record of accomplishment which her younger associates will be hard pressed to match.

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as Anerna, the "Lady" is a cow — the grande dame of the University's 125 - cow Holstein herd, with lifetime milk production credits of more than 100 tons.

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## Silver Star Awarded University Graduate

Capt. Leonard Tavernetti, 1964 University ROTC graduate, has been awarded the Silver Star for "gallantry in action against a hostile force" while in combat in South Vietnam.

Tavernetti, who earned his commission through the ROTC program, was wounded seriously in action last November with "C" Company, 1st Battalion, 1st Infantry Division on the southern edge of the central highland region. He has since recovered and has returned to duty.

Tavernetti was serving as company commander on a search and destroy mission near Loc Ninh when he was wounded. His unit was moving in on a large rubber plantation when they were outnumbered by a Viet Cong force employing Claymore mines, rockets, small arms

and automatic weapons.

He was wounded again, but continued to crawl about the area shouting encouragement to his men.

As Tavernetti was searching for his wounded radio-telephone operator, he was wounded two more times, which necessitated his evacuation.

## Geology Seminar Slated on Town

Dr. Chester F. Royce, Jr., assistant professor of geology, will speak on Whispering Sands, North Dakota, at 3:40 p.m. today in AG150.

The seminar will be sponsored by the geology department. All persons are invited.

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