



Summer News

Arizona State University

Vol. 2, No. 4 June 27, 1974

One moves up . . .

New Foreign Student Adviser takes office Mon.

Suzanne Steadman, assistant foreign student adviser, has been appointed as ASU's Foreign Student Adviser upon the

resignation of Mary Blaine, effective June 30.

Steadman earned her bachelor of arts degree with honors in 1971 from the

Australian National University, where she majored in linguistics and German. ASU awarded her the master of arts degree in

1973 in English. She has specialized in teaching English to native Spanish-speakers.

Her work in the Foreign Student Office at ASU has given her experience in the philosophy and practice of working with foreign students. Dr. George Hamm, vice president for student affairs, said. The office provides assistance to more than 450 foreign students enrolled at the University. It also supplies informational and referral services to on and off-campus agencies and to the

United States and foreign governments.

Steadman received the Australian Commonwealth Scholarship for 1969 and 1970, the Goethe Prize in 1969 and the Australian National University Honor's Year Scholarship in 1970.

She has served as an instructor of English for the Department of Education, New South Wales, Australia and visiting instructor of English at Maricopa Technical College of Phoenix. Steadman speaks German, French and Spanish fluently.

. . . two move in

Professors from other states accept psych, zoology chairs

Alvarado has been professor of physiology in the Oregon State University zoology department since 1972. Recipient of the 1969 Carter award for outstanding and inspirational teaching at OSU, Alvarado will succeed as zoology chairman, Dr. Shelby Geeking, who will return to full-time teaching.

Alvarado is considered by an Oregon State colleague as "one of the best comparative physiologists in the U.S." He has been the director of the OSU premedicine advisory program and chairman of the committee on continuing education in the health services.

His research in membrane physiology, osmotic and ionic regulation, has received annual support from the Public Health Service; and his work on renal physiology in larval amphibians has received world-wide recognition. He has also continued an earlier interest in desert biology.

Dr. Leonard Goodstein has accepted an appointment as the chairman of the ASU psychology department, and Dr. Ronald Alvarado has accepted the position of chairman and professor of the ASU zoology department.

For the past ten years Goodstein has been professor of psychology and director of the professional training program in psychology at the University of Cincinnati.

Goodstein will succeed Dr. Austin Jones, who will return to full-time teaching responsibilities.

Goodstein is the author of several textbooks in clinical psychology and about 80 articles which have been published in professional journals. He is also a consultant for the Veterans Administration and the Tollman Psychiatric Institute. He is an advisory editor for the Journal of Abnormal Psychology and Psychological Reports. His research fields are stuttering, psychotherapy and organizational psychology.

Early registration ends at 3:30 this afternoon

Today is the last day of early registration for the Second Summer Session. Students can register from 9 a.m. to 3:30 p.m.

Registration packets will be distributed in the Memorial Union Rendezvous Lounge. Students will then pick up class cards through their colleges and departments.

Registration materials will then be taken to the MU Cochise Room 212 for fee payment.

Regular "walk-through" registration will be July 6.



June is busting out all over

The first day of summer was officially last Friday, and most of us thought it overdue long before, but to these baby hummingbirds it couldn't be more like spring. The infants, less than a week old, are each no more than an inch long, but their appetites far outweigh their size. Here they wait for mom to bring dinner.

Photo by Mitzi Fiedler

Light experiments test hologram practicality

By Mike Grundmann

The image of a toy truck was there on the film illuminated by the glowing red laser light, except that it looked very real. As I Moved my head around I could see the depth of the object, as if standing next to it, in front of it or above it.

The image was a hologram, a three-dimensional illusion created by laser light projected onto a 'coded' two-dimensional film plate. It is an example of some of the holographic research being carried out in the engineering department under the title "Project Themis", a five-year program now almost completed.

Dr. J.C. Palais, one of the seven researchers, listed, among the aims of the project, to discover ways of making the process less expensive, to increase image clarity and to investigate practical uses for holography.

As Dr. Palais explains it, a hologram setup could cost anywhere from \$300 to \$100,000, depending on the quality of laser and size of hologram desired.

So far, the most practical application has been found in high-density information storage on microfilm — a 'page' of microfilm recorded holographically is about one-tenth the size of ordinary microfilm.

The original film plate, which serves as a code for the hologram, is produced as follows: A laser beam is split in two with a piece of glass, one beam going directly to the film, the other reflecting off the desired object and onto the same film. Here the two beams meet, creating an interference pattern on the exposed film. It is this pattern that determines the code for producing a hologram of the original object. By itself, the plate looks like a blur — there is no indication of the image you see as a hologram.

There are two ways of viewing a hologram, both with laser illumination of the coded photographic plate. In one, you view the image on the film (although it seems like 'through' the film) as the beam hits it from the opposite side. In another, you see the image floating between your eye and the film, again illuminated from behind the film.

"Computer holographic memories are already in use for automatic credit-card verification," he added. As more sophisticated systems are being developed, almost everyone is interested — from the media to the military — in the possible uses of holography.

Since holograms can also be suspended in mid-air, people have no doubt fantasized about keeping an image of their favorite

movie actor, rock star or masseuse around for 'entertainment'.

"Holography shows promise in the entertainment industry," Dr. Palais said, "but practical applications are a few years off".

Too bad. That dream about suspending Cybil Sheppard (or, to avoid sexist bias, Todd Rundgren) above the bed will have to wait.

Marshall fellowships offered for research in society problems

Applications are now being accepted for German Marshall Fund Fellowships for 1975-76. These fellowships support scholars whose work is designed to contribute "to the better understanding and resolution of significant contemporary or emerging common problems of industrial societies."

William J. Burke, vice president for graduate studies, said emphasis is placed on the comparative, international, social, political and economic aspects of such problems.

Recipients of the awards may come from careers in any academic field but most are expected to be established scholars with advanced degrees. Applicants must devote full time to the proposed project.

Applications must be submitted by October 31. Forms and additional information may be obtained by contacting the German Marshall Fund of the United States, 1717 Massachusetts Ave., N.W., Washington, D.C., 20036.

ASU photographers show work



Elegy-Jim Cressanthis

Shown here are two pieces from an exhibit of the photography of nine ASU artists, now on display in the Northlight Gallery on campus.

The gallery is located in the Fine Arts Annex, east of Old Main. The public may view the photography exhibit from 6 to 8 p.m. Mondays through Fridays until July 28.

Exhibitors are Pasco DiCarlo, Robin Becker, Kenneth Cain, Jim Cressanthis, Mary Ann Cronin, Mark Herring, Del Jessen, Pete Jordan and Janet McNamee.

Early applications mean speedy pay for campus vets

Veterans who plan to attend ASU this fall can receive their September education benefits early if they file an "advance payment" application at ASU's Veterans Affairs Office before the July 10 deadline.

Advance payment checks will be distributed during walk-through registration, August 21 through 23. Veterans will need their fee receipt and student I.D. card to pick up their checks.

For additional information, call the Veterans Affairs Office, 965-6949.



Untitled — Pasco DiCarlo

Orientation program cuts fall hassles

Freshmen, transfer and readmitted students can avoid the hectic August registration period at ASU by taking part in one of several mini-orientation sessions scheduled within the next 10 days.

More than 1200 students have already taken advantage of the special one and two-day programs, which enable them to register for fall classes, take any necessary placement exams and orient themselves to campus.

Two 2-day programs remain, with the Colleges of Business Administration and Nursing taking part in the June 27-28 session and the Colleges of Education and Liberal Arts participating in the July 2-3 program. The Colleges of Business Administration, Education, Engineering and Liberal Arts will take part in a one-day program offered on July 1. The College of Nursing will also be included in the July 1 session.

Exhibition drill team gives exercise, challenge, travel

Like to keep in shape? Hate the drudgery of calisthenics and the boredom of running laps? Now there's a team sport on campus in which any student can participate. You don't have to be big and strong or tall and fast to make this new team. You don't even have to be any good at it to join. The team is open to both sexes on the same terms. The sport: exhibition drill.

The team is being organized by Jim Clark, who says exhibition drill is a "competitive team activity."

"The team's primary function is to represent ASU at drill competitions held in various parts of the country," he said. "Our ultimate goal is to build and maintain for ASU the same reputation that our football team has. Second, exhibition drill is a physical as well as a mental activity. At drill we learn to coordinate our minds and bodies into one unit.

"Third, it requires the same sort of discipline and

teamwork so characteristic of the football team. The drill commander is equivalent to the team captain in football. He calls the plays, and the team wins or loses depending on how well we execute those plays."

Clark said the number of meets the drill team can attend depends on the success of fund-raising activities, since money is the limiting factor to the team's travel.

"Our primary target, for this year at least, is the meet held at Disneyland. The Anaheim competition usually attracts around 20 college teams from all over the country. Most of them are ROTC units," he said.

Clark added that this is the only non-military drill

team on campus, describing the team's uniform as "somewhere in between the military and the cheerleader styles."

He said drill provides good exercise. "All of our routines are challenging, mentally and physically. Not only that, it helps develop coordination, balance, and timing. As a dividend it generates some really lasting friendships.

"We're forming a special

summer drill team at the moment in order to prepare for the coming school year. The pace will be somewhat slower during the summer because we won't have any serious competitions, but we'll set up some local performances to keep things interesting," he said.

Clark said more information about the team can be obtained at 967-8956 or at the MU Information desk.

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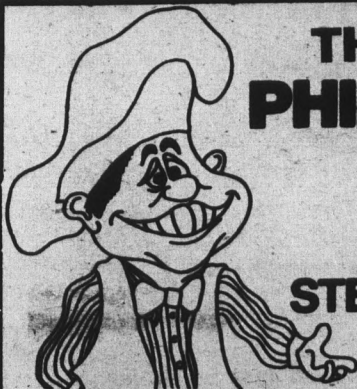
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Reading Course Increases Speed and Comprehension

Do you want to learn how to read faster and comprehend more of what you read? Would you like to learn more efficient methods of studying? Methods that will decrease the amount of time you spend studying, and at the same time increase your understanding. If your answer is YES, the Arizona State University Reading Center has a highly individualized reading improvement course that is designed to fit your needs.

The five week non-credit course can be taken by anyone who pays the \$25.00 fee. Registration begins June 25 in the Reading Center, Room B112 of Payne Hall. Further information may be obtained by calling 965-3474, 3709 or 3519. Pick a class that fits your schedule from the list below:

SUMMER 1974

SECOND SESSION	JULY 8 - AUGUST 9
SECTION 1	M-W-F	9:20 - 10:50
SECTION 2	T and TH EVENINGS	7:00 - 9:00

... TOO MUCH HOMEWORK?

Entertainment

Hurry, hurry

Phoenix serves as host for the 104th edition of the "greatest show . . ."

Lions and tigers and bears (oh my).

And clowns and kids and Cossack riders, teeterers, top hats and trapeze stars.

The circus is coming to town, with 24 new acts never before seen by American audiences. The Ringling Brothers and Barnum and Bailey Circus' 104th edition will be in the Phoenix Coliseum July 2 through 7.

Here's your chance to see Michu, the world's smallest

man; Charly Baumann and his Royal Bengal and Siberian tigers; the Flying Gaonas; trained animals, and of course the residents of "Clown Alley."

Or how about the King Charles Troupe on unicycles; the Penchevi Troupe on the high wire; or the Metchkaroffs, the hand voltage trio?

A south of the border sojourn will be the new theme for the aerial ballet



titled "A Circus Fiesta."

"A Circus Rainbow," a pageant featuring the entire cast along with 50 children from the audience will be another high spot in the show.

Throughout the show there will be three rings of constant activity.

Here is a chance to partially realize that childhood dream, symbol of escape from the humdrum life, to run away with the circus. It may be only for an afternoon or an evening, but for many that's all it takes.

Performances are at 8 p.m. Tuesday through Saturday, 2:30 p.m. Wednesday through Saturday, and 1:30 and 5:30 on Sunday.



Kids' art exhibit comes to campus

An exhibition of children's art from around the world will be on display at the Memorial Union Art Gallery at ASU July 1 through 12.

Titled "The Art of Children," it was organized by the United States Committee for the United Nations Children's Fund (UNICEF) from the collection of the late D. Roy Miller, founder of the Pennsylvania Academy Summer School for Fine Art.

Miller began collecting children's art in the early 1950's with the purpose of promoting world peace through the exhibition of an international collection.

The 20 art works on display are being traveled locally by the Phoenix Committee for UNICEF. They may be viewed by the public from 9 a.m. to 4 p.m. Mondays through Friday.

Calendar

June 27

"She Loves Me," ASU Music Theater, 8 p.m.
 "The Skin Game," MU Movie House, 7 and 9:45 p.m.
 Steely Dan, Phoenix Civic Plaza Assembly Hall, 7:30 p.m.

June 28

"She Loves Me," ASU Music Theater, 8 p.m.

June 29

"She Loves Me," ASU Music Theater, 8 p.m.

June 30

"She Loves Me," ASU Music Theater, 8 p.m.
 Eddie Harris, Celebrity Theater, 8:30 p.m.
 Al Green, Phoenix Coliseum, 8 p.m.

July 2-7

Ringling Brothers and Barnum & Bailey Circus, Phoenix Coliseum

July 6

Commander Cody, Celebrity Theater, 8:30 p.m.



Musical argument

In this scene from "She Loves Me," a haughty waiter (Pat Linehan, right) who wants to preserve a romantic atmosphere in his select cafe, tries to mediate in a lovers' quarrel between Amalia (Adrienne Bridgewater) and George (Tom Machen).

The show, which opened last weekend in the ASU Music Theater, is being presented by the Lyric Opera Theater. It will have its final run at 8 p.m. June 27 through 30. Tickets are on sale at the Music Theater box office, 965-3398.