



Summer News

Arizona State University

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ASU begins building bike paths

The heyday of maniacal riders atop careening two-wheelers in the midst of toppling pedestrians on the campus malls may be drawing to a welcome close.

And the congestion created by automobile traffic ferrying students to and from school also may abate.

The abolition of these woes of ASU academe conceivably has arrived in a simple package: bicycle paths — four miles of them — in the middle of campus, leading in from another network in surrounding Tempe.

In anticipation of pedalling hordes this fall, path patterns now are being laid out on streets with the University's construction staff doing the basic preparation.

When preparation is completed, auxiliary curb and asphalt work will begin, and eventually light green aiseways with path signs and surface diagrams will be the finished product.

John Ellingson, ASU director of planning and construction, said the paths will enter campus from five directions. All are to be four feet wide, except those on McAllister Avenue, which

will be three feet wide.

"In a few cases we are using old parking lanes for paths," Ellingson said. Twelve spaces on Forest Avenue west of the Academic Services building will be eliminated on both sides of the street, he said.

A fire lane and path combination will be extended farther north to the Architecture building to connect with the new mall to be constructed in the torn-up portion of Forest.

Ellingson said the paths must be used rather than the street or sidewalk when they are provided. Thus the incorporation of a plan to reduce congestion.

The University estimates that 4,000 bicycles are on campus during a day of the regular school year. Of these, about one-fourth belong to dorm residents and the rest to off-campus residents.

Particularly for those from off-campus, the paths will lead into parking areas where they can lock their bikes to ground racks and walk to classes. There now are enough racks in various locations to handle every bicycle.

Capt. Norman Peck of University Police said

riders this year probably have less worry of having their bicycles stolen than in the past. The overall trend,

at any rate, is considerably down from that of the past.

Peck attributed the decline to increased

surveillance by University Police cars and a special bicyclists' education program instituted last fall.



Bicycles and speeding bikesters by the thousands are a familiar sight on campus during the regular school year, and chances are good their numbers will increase. With the creation of bike paths on campus and in Tempe the environment may become not only more hospitable for riders, but also safer for pedestrians — to say nothing of less auto congestion.

Regents OK tuition hike for ASU in summer '74

The Arizona Board of Regents last Saturday approved a \$25 per semester increase in student fees at Arizona State University effective July 1, 1974.

The increase, presented the Regents by University President John Schwada, primarily goes to the use of the Office of Student Affairs, under the direction of Dr. George Hamm.

Out-of-state students now pay registration and tuition fees in addition to student fees. Full-time resident students pay only registration and student fees — ordinarily \$160 per semester.

The only students who will not be affected by the increase are those carrying less than seven credit hours, since they pay no student fees.

Troy Crowder, assistant to the president and director of University relations, said even with the increase at ASU that student fees still will be considerably less than those at the UofA in Tucson.

At the Saturday meeting, Phoenix Regent Kenneth Bentson proposed that a study be made of Arizona universities' funding procedures to see if possibly an increase in tuition also could be made.

Bentson contended the tuition rates at most U.S. colleges and universities are too low, and that Arizona's three schools have the lowest rates of all.

His proposal was sent to a special committee for a report due in September.



Old Arts building undergoes facelift after six decades

The times they are a 'changin,' but in the process, at least one old dog has been taught new tricks.

In 1914 the Arts building, now due west of Language and Lit, was constructed to accommodate the industrial arts program of the Tempe Normal School.

Over the years it has housed a variety of academic departments and auxiliary services as the school has undergone transformations to the Normal School of Arizona, Tempe State Teachers College, Arizona State Teachers College, Arizona State College and finally ASU.

And now the old buzzard, believed one of the first buildings in Arizona to involve poured concrete in its construction, has had its nigh-shivered timbers upshored in preparation for housing of the anthropology department.

Anthro moved in last spring before repairs were completed, but following the installation of laboratory and research equipment this summer the structure will be ready for total use when classes resume in late August.

The building by no means is a hallmark of modernity, but John Ellingson, ASU director of planning and construction, says that renovation, rather than replacement, has saved Arizona taxpayers more than a half-million smackers.

Renovation of 40,000-square-foot cost "under \$22 per square foot, but the replacement of the structure," Ellingson said, "would require at least an additional \$12 per square foot."

He said, "the building was originally constructed at a cost of \$82,637, less than one-tenth the \$901,000 expense of remodeling the structure, but the cost of replacing the building, at today's construction rates, would require at least \$1.5 million."

Major structural changes have extended the longevity of the old codger another 50 years, the durability assigned to any new building, according to Ellingson.



New vitality, new tenants

Smiling under new contours and a modernized interior after more than two years of renovation, the old Arts building, constructed in the Tempe Normal School era, awaits the arrival of the Anthropology department. Though not so jauntily clad as some of its neighbors, it boasts the distinction of being an economy model.

ASU champ swimmers to compete in Moscow

Two Arizona State University swimmers have been named to the women's swimming team that will visit the Soviet Union Aug. 15-25 to participate in the World University Games.

Cathi Siefarth and Libby Tullis, both 19, were selected on the basis of their performances at this year's NCAA and ASU short course championships.

They will join American collegians from nine other sports in competition in Moscow. The games are held every two years and are sponsored by the International University Sports federation.

Both swimmers were members of ASU's women's NCAA championship team. Miss Siefarth was a member of the 200 meter individual medley relay team which broke the American record time at the NCAA meet, setting a new record of 1:52.2.

Miss Tullis won the 100 meter backstroke at that same meet and finished third in both the 50 and 100 meter freestyle.

As members of the Arizona Desert Rats, the pair swam in this spring's AAU competition under the coaching of Walter Schlueter.

Mrs. Mona Plummer, ASU's women swimming coach, will accompany the swimmers to Russia. They will board a chartered flight in Phoenix Aug. 9.

—Advertising—

Speed Reading Course To Begin at A.S.U.

Arrangements have been made by the Institute of Speed Reading, Inc. to conduct a 24-hour summer course in speed reading. The course is open to anyone above the age of 13 and guarantees every graduate a reading speed triple that of his present rate, with at least an increase in comprehension.

After the eight-week program a person can read any average length book in less than an hour and understand it better. In addition to speed reading the course also emphasizes improved study techniques, better test-taking skill and increased concentration and retention abilities.

The course requires a person to attend on class per week on the evening of his choice. For those who would like more information, without obligation to enroll, a series of FREE one-hour orientation lectures has been scheduled. There will be a

special introductory offer this time only.

These meetings are free to the public, and the course will be explained in complete detail, including entrance requirements, classroom schedule and location. You need to attend only one of the meetings; whichever is most convenient for you. These free one-hour orientations will be held as follows:

Thursday the 26th at 7:30 p.m.; Friday at 7:30 p.m.; Saturday at 10:30 a.m. and 2:30 p.m.; Monday at 7:30 p.m.; and FINAL MEETING Tuesday, July 31st at 7:30 p.m. ALL MEETINGS AT THE WESLEY FOUNDATION, 215 E. UNIVERSITY DR.

Special student and family tuition rates available for those who qualify. Persons under 18 should be accompanied by a parent.



Miss this one?

If you did, it's most unfortunate, 'cause it's too late now. Martin Wnuk's provocative creation was among others in an ASU art graduates' display in the Memorial Union, and scheduled to

remain on exhibit till Aug. 9. However, due to the titular and content distinction of another art work which was less than tasteful to some, the whole shebang has been removed.

In Youth Sports Program

Campus is fun place for Valley kids

The University swimming pool is a hectic place this summer. So is the gym.

But, without question, the pool is the favorite activity area of 325 underprivileged Valley youngsters participating in the Sixth Annual National Summer Youth Sports Program (NSYSP).

The session, co-sponsored by the President's Council

on Physical Fitness and the National Collegiate Athletic Association is underway at ASU through Aug. 9.

It teaches basic sports skills, the value of competition, and introduces the boys and girls to a university environment.

While splashes and shouts vibrate the pool, other sounds reverberate through the air-conditioned gym.

Youngsters dribble basketballs, slap volley balls, swing on gymnastic rings, and practice wrestling holds. Football, track, badminton, and dance activities round out the daily 9 a.m.-1 p.m. routine.

Program director Pat Kuehner, ASU assistant baseball coach, said the effort combines Federal

funds with collegiate resources at no cost to the participants.

"It provides important experiences generally unavailable to disadvantaged youngsters," he explained. "Expert instruction, and competent supervision, and superior facilities permit invaluable sports training and athletic competition."

Participants also receive a free medical exam, liability insurance, a daily meal, health education, and counseling in study and career opportunities.

The boys and girls, aged 10 to 15, are bused from ten locations in Phoenix, Mesa, Tempe, Guadalupe, and Chandler.

"Each day, the youngsters view a half hour film concerning a phase of education," Kuehner stated. "Planned group activities include trips to the Phoenix Zoo and Big Surf."

The ASU-NSYSP staff includes Kelly Trujillo, assistant director; Charley Tribble, men's coordinator; Becky Burnham, women's coordinator; Rudy White, counselor; and instructors Mark Wasley, Craig Kerby, Gary Alexander, Rick Curtis, and Joe Clune.

Kuehner said reaction from such community organizations as CAP and LEAP is excellent. In fact, these groups and others help find eligible participants for the ASU summer program.

And, the youngsters themselves are enthusiastic. Scott Limbs, Carson Junior High, Mesa, considers the instructors "... great, because they show you the right way to do things."

Another Mesan, Chris Emerson, Kino Junior High School, who is learning some gymnastics techniques from ASU's Gary Alexander, said "... the program is teaching me a lot, and I'm enjoying it."

However, no one enjoys the session more than the young swimmers who splash in the University pool these muggy July mornings.



See yourself as Olga Korbut

Poised for gymnastic flight under the guidance of Gary Alexander, ASU body pro, is Chris Emerson, one of 325 youngsters on campus for the Sixth Annual National Summer

Youth Sports Program. Anticipating the plunge are ASU gymnast Rick Curtis and Scott Limbs, another program participant.

Gil & Sully:

Gammage hosts opera in British duo tradition

A smorgasbord of Gilbert and Sullivan's light opera will be offered in "Opera A La Carte" at Arizona State University July 31 at 8 p.m.

Under the auspices of Gammage Auditorium and ASU Summer Sessions, three opera scenes — "Patience," "Ruddigore," and "Pinafore" — and a comic one-act opera, "Cox and Box," will be presented by "Opera A La Carte" of California.

The six performers from "Opera A La Carte" bring varied and professional backgrounds to the light opera of Gilbert and Sullivan.

Richard Seldon, a specialist in Gilbert and Sullivan from England and founder of "Opera A La Carte," has earned critical acclaim on both

sides of the Atlantic. He also was a principal singer on the sound track of the motion picture, "Paint Your Wagon."

Nita Danoff, the company's principal soprano, has been praised by critics for her artistry in Gilbert and Sullivan because "her tongue-in-cheek innocent maiden is leavened by an astonishingly big voice."

Nitza Niemann, who has performed in Europe, is well known for her appearances in the Guild Opera Company of Los Angeles and Seattle Opera Company.

Tenor Paul Harms, who has toured Europe as a guest artist, has appeared in works by Bizet,

Offenbach, Rossini, and Puccini, while Keith Halverson, who recently joined "Opera A La Carte," is in constant demand as a soloist at colleges and universities.

The troupe's pianist, Theodore Crain, has played with the Guild Opera Company of Los Angeles, Pacific Opera Theatre, Dance Academy of the Music Center, and LaStrada Repertory Opera.

In the repertoire from Arthur Sullivan and W. S. Gilbert, the first presentation in the ASU program, "Patience," Act I, centers on a milkmaid's dilemma over the amorous attentions of a poet and the moral code of the day.

The scene from "Ruddigore," Act

II, peeks into the opera's topics of hidden identity, love and evil, while "H.M.S. Pinafore," Act II, pokes fun at social snobbery.

The operatta, "Cox and Box," to be presented by "Opera A La Carte," deals with the comic circumstances when a greedy landlord seeks to double his income by renting his one furnished room to two men, Cox, a journeyman hatter who works days, and Box, a journeyman painter who sets type at night.

General admission tickets, priced at \$2, are on sale at the Gammage Box Office, 965-3434. Admission is free to students with summer school receipts and University personnel with campus service cards.

Botany quartet probes changes in desert lakes

A University research team is preparing for extensive study of four Arizona lakes which furnish vital electricity and water, along with recreation areas, for many residents in the central part of the state.

For the past two and a half years Dr. Milton Sommerfeld, assistant professor of botany, and three graduate assistants have studied the effects of pump storage operations on four lakes fed by the Salt River: Roosevelt, Apache, Canyon and Saguaro.

Their research, dealing with biological, chemical and physical characteristics, was prompted by the installation of pumping units at Mormon Flat and Horse Mesa Dams, on Canyon and Apache Lakes.

The pump generators have both forward and reverse capabilities. Water can be released from a lake to produce electricity, especially during peak usage periods, and water can be pumped back up to the upper level for water conservation.

It is possible, however, that such pumping may have a detrimental effect on the ecological balance normal to the lake waters. Sommerfeld said that since all the lakes are connected they also influence each other.

To date, though, studies necessarily have been sketchy since the pump generators have not been utilized steadily.

Monitoring of random pumping periods has indicated "some changes in water temperature and dissolved oxygen occurred in the summer test runs," Sommerfeld said.

He explained that lake water stratification occurs normally during the summer, with the warmest water at the top and levels of decreasing temperature beneath.

During pumping operations, lake water near the dams is churned to the extent that stratification is negated, and the water tends to be about the same temperature throughout.

"The lakes can bounce back to their normal state after occasional pumpings for short periods of four hours or so," Sommerfeld said. "But whether they will be able to do so over long periods is the subject of our research."

The most reliable data will be obtained when the pumping units are in full operation.

In the course of its study so far, the team has made several scientific discoveries in the lake waters. Sommerfeld said more than 200 specimens of microscopic plant life have been found, and "60 of these have never before been observed in Arizona."

"There appear to be several new organisms for science, but they haven't been identified yet. The best guess is they've never even before been found in the United States."

The work being carried out by the ASU team probably is the most extensive done on aquatic environments in this part of the Southwest. One of their main interests is the kind and quantity of plant life present.

"We are finding what types, how many and how they fluctuate throughout the year," Sommerfeld said. "During the last two years, for example, the numbers of plant life have reached up to 1,000 organisms per drop of water."

That concentration is less so far this year because winter and spring precipitation has altered lake characteristics.

Sommerfeld and group make 20 different chemical tests each month also, to determine the chemical composition of the water in each reservoir.

"Most people are aware that water is hard and has a high concentration of chlorides and sodium," he said. "But actually the water quality varies greatly each season in the Salt River near Roosevelt and in the lakes."

"The water is softer in the lakes because the impoundments play a role in removing certain chemicals."

Grad assistants aiding in the study, which is backed by a grant from Salt River Project, are Rose Cisneros, Richard Olsen and Ernie Francis.



Put 'n take

Roosevelt Dam, 70 miles east of Phoenix on the Apache Trail, creates vital electricity for the Valley in pouring its waters into Apache Lake. An ASU research

team is studying effects on the reservoirs when the reverse technique is applied: pumping water back to the higher level for conservation.

Coffee pot is focal point of sex bias communique

One week ago a discerning male person in the ASU Personnel Office noticed what appeared to him to be a gross inequity in that department which has charge of 5,300 campus employes.

Both in the interest of furthering the fight for equality of the sexes, and for ensuring that a possible wrong does not remain hidden from the public eye, the communication in question is reprinted in part below.

The subject of the memorandum, as indeed it was, read "Sex Discrimination." And it was not without repercussion and revelation that it was received.

Thus:

To: Mr. H. C. Koelbl, Director of Personnel

1. I bring to your attention an item within the Personnel Department which some might feel is symptomatic of an illness which has plagued many institutions.

2. Some, not all, members of the staff drink a so-called nectar designated "coffee." But the preparation of said beverage is within the sole jurisdiction of the female members of the staff. Male coffee drinkers on the staff are not allowed to prepare the drink.

3. It is my considered opinion that you, as the head of this unit, take proper remedial action to provide equal opportunity by having all male coffee drinkers included on the "Coffee Roster and Schedule."

a. "The Revised Coffee Duty Roster and Schedule recommended by the Assistant Equal Employment Opportunity Officer is:

And then followed a list of names, both male and female, opposite the five-day periods when they would be required to prepare coffee for the Personnel staff.

Memorable masculine quotes in response to the memorandum included, "Make the coffee? That is one thing I will not do." Also, "If it comes down to that, I'll quit drinking coffee."

The initiator of the note (a non-coffee drinker) later noticed considerable difference in the way that names on the proposed duty roster were spelled.

He asked the secretary who typed it, "Why did you spell out the full names of all the men?"

"Well," she answered. "I didn't want it to seem like I was being too familiar with them."

He was a little confused. "So why did you abbreviate all the names of the women?"

"Oh, I just wanted to be friendly."

And the struggle goes on. As do the privileges of rank. For the closing paragraph of the communique read:

As you have noticed, the Director of Personnel is not on the revised roster. This is due to the duties of the Director which necessarily preempt any duties such as coffee-making. The Director is to understand that it is nothing personal, but strictly business.

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