



Complete
Frosh Week
Schedule
Page 5

July 22, 1963

Tempe Arizona

SPECIAL ISSUE

UNIVERSITY WELCOMES STUDENTS

8 Steps To Start College

1. If you have not already done so — send an application for admission to Office of Registrar and Director of Admissions, Arizona State University, Tempe, Arizona.

2. Have your family physician mail a complete health examination, including certification of small pox vaccination within the last four years. Mail only health examination to Student Health Service in the addressed envelope provided.

3. Have forwarded result of Chest X-Ray if done during the past six months. (Note: Chest X-Ray can be obtained at Arizona State University Student Health Center at registration time, however, students are urged to have it completed ahead of time if possible.)

4. Have your high school send complete transcript following graduation. Transcript must include grades and units earned, date of graduation, and rank in class. The scores on tests and an appraisal of students' capabilities by the principal or counselor will be welcomed. It is important that prospective students have their complete high school transcript sent, as soon after graduation as possible, direct to:

Office of Registrar and Director of Admissions
Arizona State University
Tempe, Arizona

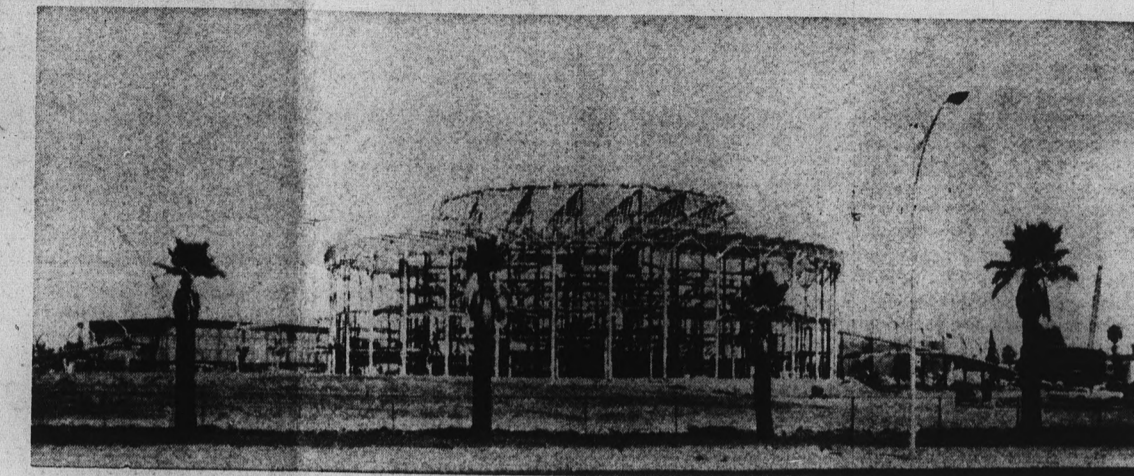
5. Students who rank in the upper ten per cent of their graduating class will receive a certificate of HONORS AT ENTRANCE.

6. All students entering Arizona State University are required to take The American College Test. In order to provide for a better testing atmosphere, students are urged to take these tests during the summer rather than wait until the registration period in September. This test will be given at the Life Sciences Building, Room 191 at 8:00 a.m. on August 10.

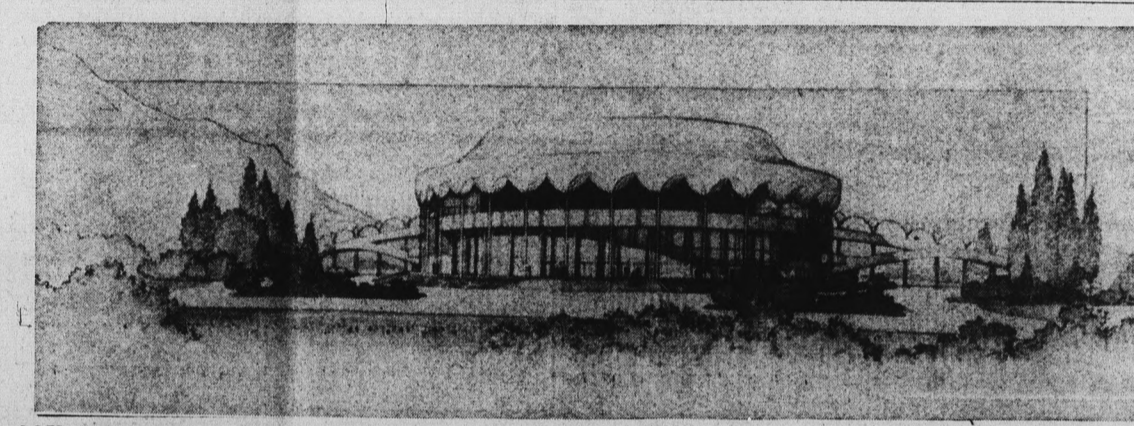
7. The new admission policy requires that graduates from Arizona's approved high schools who rank in the upper three-fourths of their class will be granted regular admission. The graduates who rank in the lowest one-fourth of their class may be granted provisional admission only after pre-admission testing and counseling.

8. Although we would like to have as many prospective students as possible come to the campus for testing early, we would like especially to urge all students who might rank in the lowest fourth of their class to be sure to come at this time. This will then provide us with an opportunity to have their tests scored and the results available so that we may schedule individual time with counselors to determine whether or not these students may be admitted. It is our purpose to make as careful an evaluation as possible to see that worthy students have an opportunity to study at Arizona State University or to dissuade those who in all probability will not be able to carry a college program successfully.

1963-65 Arizona State University catalogues will be mailed (Continued on Page 4)



THE WRIGHT TOUCH in the Grady Gammage Memorial Auditorium is evident in this picture taken from the Tempe-Mesa Highway looking east. The massive circular structure with its wing-like walkways extending from balconies to parking lots will be 304 feet long, 235 feet wide and 80 feet high.



ASU ATTRACTION is the Grady Gammage Memorial Auditorium, designed by the late Frank Lloyd Wright and due for completion next March. Wright's last major work, the \$2.8 million structure will combine the functions of theater, auditorium and concert hall. The auditorium is named for the man who was ASU president for over a quarter of a century. The double balcony structure will seat 3,000.

Frosh Week Is Sept. 9

While high school graduates all over the state are spending busy summers working, relaxing, studying, preparing for or starting on careers, Arizona State officials have been hard at work preparing for one date, September 9, the opening of Freshman Orientation Week and the biggest year in Arizona State's 78-year history.

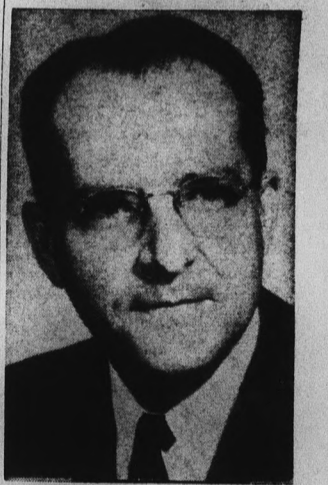
A record number of students are expected to enroll during that week at the state's fastest growing institution of higher learning, with about 15,500 expected.

The school bell will sound promptly at 8:15 a.m. September 9 for an estimated 4,000 incoming freshmen, who are expected to report at the men's gymnasium to hear welcomes and instruction for registration from administration and student officials.

Thus will begin one of the busiest weeks in the lives of the freshmen, but a week that has its compensations in the fact that it is also a time for getting acquainted with their university environment, and with other people, many of whom will remain life-long friends.

During Orientation Week freshmen will hear from Dr. G. Homer Durham, ASU president, and obtain information helpful for registration.

Highlights of the week for freshmen include a Phratres reception to which all off-campus freshmen women are invited; the reception for all new students, and the traditional painting of the "A" on Tempe Butte.



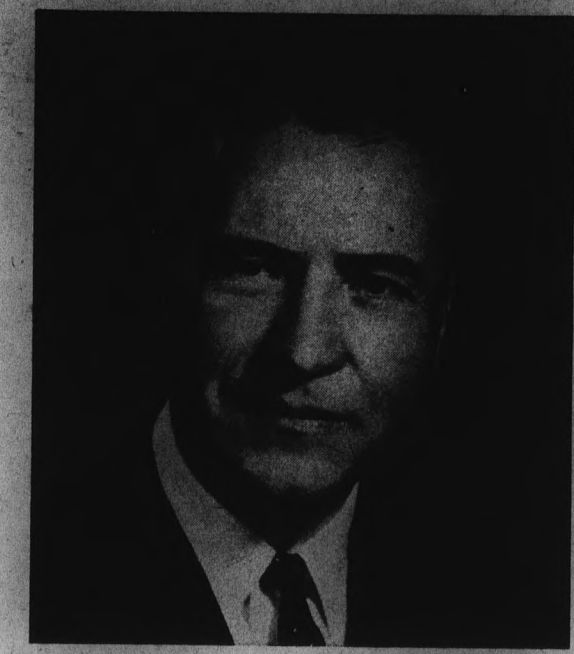
Alfred Thomas, Jr.
Registrar and Director of Admissions

Also a pep rally; fraternity open houses; sorority rush parties; and a freshman mixer at the Memorial Union.

All of the activities are carried on during the late afternoon and evening, with the daytime devoted to the serious business of embarking properly on a plan of studies to prepare the student for a rich career. Upperclassmen will be on campus from the first minute of Freshman Week on, just to answer questions and help new students get adjusted.

All freshmen will meet with faculty advisers for aid in planning a program of studies; they will take aptitude tests; pick up class cards; and register.

Complete details of Freshman Week and a comprehensive (Continued on Page 2)



Dr. Durham

ASU Academic Role Distinctive

By DR. G. HOMER DURHAM
President, Arizona State University

The prominence which any institution of higher learning achieves is predicted largely on the interest of its students and the quality of its faculty.

Physical facilities are needed, but the ultimate test of a student's success comes from the interaction of his own attitude and the inspiration, based on sound preparation and experience, his professors are able to impart.

High school students contemplating a choice of university can be assured that they will find at Arizona State University a highly-trained, distinguished and cosmopolitan faculty secured through continuous and vigorous recruiting by deans and administrators.

One of the outstanding characteristics of ASU is the rapidity of its growth, so the traditional patterns of educational development do not apply to all of the University's departments.

The evolution of our programs in English and education, for example, follows the conventional pattern of development over a period of decades to a position of prominence.

Engineering, on the other hand, has achieved a similar position in only five years. In this case, as in many others on the campus, the very newness of the program is a strength, rather than a weakness. Engineering started at ASU with the nuclear and space age; thus the school has no huge investments in obsolete equipment and its faculty is free from similarly archaic ideas and teaching methods.

The College of Business Administration is unquestionably strong and is an example of growth in which the traditional patterns are combined with the infusion of new faculty, techniques and ideas to meet equally new needs.

Such a combination is evident in most ASU programs — the physical sciences, the arts and the humanities, to cite but three — and the procedure of orderly, long-time growth, plus the addition of modern facilities and concepts, has resulted in an educational vigor distinctive to ASU.

Thus, every university has its own degree of uniqueness, shaped in character by both internal and external forces not duplicated precisely elsewhere.

We would urge high school seniors considering enrolling at ASU next fall to avail themselves of the always-open invitation to visit the campus and the academic departments in which their interests lie. They can discuss their goals and aptitudes with faculty members and investigate their opportunities.

Then, we would urge them to prepare themselves for the dedication and sacrifices necessary at any modern university for high scholastic attainment.

High Achievements Mark Career Of Dr. Durham

Beginning his third full year as president of Arizona State University, Dr. G. Homer Durham has sterling qualifications to serve his generation and the younger ones of the state of Arizona.

The 10th chief executive in the history of ASU, Dr. Durham accepted the post in 1960, after having served since 1953 as vice president of the University of Utah. Prior to that position, he was director of the Institute of Government and chairman and professor of political science at the University of Utah.

He started his teaching career as an instructor of political science at Utah State University in 1939 and was promoted to assistant and then associate professor between that time and 1944, except for a year, 1942-43, in which he was assistant professor of political science at Swarthmore College and consultant to the Institute of Local and State Government of the University of Pennsylvania.

Dr. Durham has been a member of the Western Interstate Commission for Higher Education, serving as commissioner and a member of the Executive Council from 1955 until his appointment to the ASU post. He has also served as president of the American Society for Public Administration and of the Western Political Science Association.

Apply Early For Residence

President Durham, who will greet incoming students at the first assembly of Freshman Week, currently is a member of the National Language Advisory Board, U. S. Office of Education, Department of Health, Education and Welfare, the Air Force ROTC Advisory Panel to the Secretary of the Air Force, and a member of the Commission on Goals and Objects of the American Council on Education.

All students wanting residence hall quarters for the coming academic year may apply to the Housing Office, Memorial Union building, room 3. Prospective students should apply early.

Fees Total \$115 Per Semester

The basic fees at Arizona State University total only \$115.00 each semester. In addition out-of-state residents must pay a \$300 tuition fee per semester. There is no tuition fee for Arizona residents.

Included in the \$115.00 are the following: registration; activities, admitting the students to all athletic events and entertainments and including a subscription to the State Press, student newspaper; use of the Memorial Union building; health services and facilities; use of the library; a ticket to

the concert and lecture series; the alumni fee; and health and recreation fee.

Textbooks, most of which can be resold, run about \$40 per semester.

Considered apart from the basic fees, room and board for students living on campus vary, depending on the choice of residence hall. Room rates average about \$125 per semester and meal tickets cost approximately \$230 per semester, with a la carte service also available.

North, South, East, Gammage

and West Halls rent rooms for \$120 per semester; McClintock A, \$140; McClintock B, \$157; and Wilson Hall, \$150. These are all women's residences.

Room rent in men's hall is Irish B, \$115; Irish A and C, \$125; Haigler, \$115; Hayden, \$140; and M.O. Best, \$150.

Palo Verde Hall for women has a \$380 rate, based on seven day weekly meal schedule.

Sahuaro Hall for men retains its \$312 fee because of a five-day meal schedule.

ASU Takes Giant Strides From Modest Start In '86

Arizona State University today bears little resemblance in size or scope to the one-room 31-student institution which opened its door in 1886.

Its progress from a normal school to teachers college, to liberal arts college and present status as a multi-purpose university has paralleled the burgeoning growth of the state and the increased diversification of its economic and social bases.

Because of the rapid growth of degree programs to meet the needs of the community, ASU can offer the qualified high school graduate competent training in virtually any field through its modern facilities and under the personal supervision of its outstanding faculty.

The responsibility for doing so comes as a result of a relatively new educational fact of life. The U.S. Office of Education reports that about 80 per cent of the cost of an education goes into room, board and transportation; rising costs of these factors has caused proximity to emerge as the dominant factor in a choice of a suitable university.



GRADUATION is the goal of all entering students, but only application through-out collegiate career brings the diploma. Here, part of this year's record-breaking graduating class listens to commencement ceremonies in Sun Devil Stadium.

That pattern follows at ASU, where more than 87 per cent of the enrollment consists of Arizona residents, the largest fraction from Phoenix and the Valley.

A complete listing of available degree programs at ASU takes 400 pages of the catalog which is necessary to the prep scholar planning a collegiate career.

Briefly, ASU is comprised of its "core," and largest college, liberal arts, and three other undergraduate colleges: business administration; education; and engineering sciences. Its professional schools at the undergraduate level, whose programs all are accredited, include architecture, engineering and nursing.

Through these colleges, the student may earn one of seven different undergraduate degrees: bachelor of arts in more than 35 fields of specialization; bachelor of science in 40; bachelor of architecture, bachelor of science in engineering; bachelor of science in nursing; bachelor of arts in education, with two areas of specialization, bachelor of music, in two specialized fields and bachelor of fine arts.

Arizona State University also offers a post-master's terminal degree, education specialist, the doctor of education degree and the doctor of philosophy degree, also in several fields.

ASU maintains a full-time counseling and guidance program for students and insists that lower classmen meet individually with faculty advisers for aid in planning their programs of study.

As an outgrowth of the increasing numbers of students earning a degree, more than ever before are seeking advanced work. At ASU, this comes under the province of the Graduate College which grants 12 graduate degrees and in addition there is a new graduate school of social service administration.

Master's degrees are offered in several fields: master of arts and master of science, in more than 25 areas; master of arts in education; master of science in engineering, with further divisions; master of fine arts; master of public administration; master of natural sciences; master of music; master of business administration, master of social work, and master of fine arts.

Arizona State University also offers a post-master's terminal degree, education specialist, the doctor of education degree and the doctor of philosophy degree, also in several fields.

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Insurance Plan Is Available To Students

Students enrolling at Arizona State University in the fall may take advantage of the Associated Students' hospital insurance plan, which offers complete health and accident coverage at about one third the normal cost of an individual plan.

According to Dick Finley, Associated Students' executive manager, this plan was made necessary by the fact so many students have had to drop out of the University because of costs of illness and accidents. Another contributing factor is that as they enter the University most students have reached an age where they are automatically dropped from their parents plan.

"We are able, through offering a group plan, to give all regularly enrolled students carrying seven hours or more excellent coverage at reasonable rates," Finley said.

All freshmen and new students will receive complete information about the plan through the mail. Students may enroll in the plan by filling out the application blank and returning it with the fee. Enrollment will also be open at the regular registration line during fall registration.

Most Students From Arizona

Approximately 87 per cent of the enrollment at Arizona State University is comprised of Arizona residents, according to Alfred Thomas, Jr., registrar and director of admissions.

Out-of-state residents constitute 12 per cent of the on-campus enrollment, and the remainder of the students come from foreign countries or U.S. possessions.

Maricopa County contributes 90 per cent of the state enrollment, followed by Pinal, Yavapai, Gila and Yuma counties.

During the first 1962-63 semester, a total of 5,855 students were from Phoenix; 1,728, Tempe; 1,516, Scottsdale; 1,027, Mesa; 197, Glendale; and 199 Chandler.

Pretty Campus Is ASU Pride

The university's green campus, dotted with orange, olive and palm trees and luxuriant with a wide variety of vegetation, occupies more than 300 acres, exclusive of the 320-acre agriculture division farm.

Valuation of the campus and its physical plant currently is set at more than \$30 million, with additions going on at the rate of about \$3 million per year since about 1957.



July 13, 1963

THE STATE PRESS is the official campus newspaper of Arizona State University. It is published each Wednesday and Friday throughout the school year, excepting holidays, and is entered as second class matter at the Tempe, Arizona, Post Office under the Acts of March 3, 1879, and August 24, 1912. Subscription price, \$3 per school year.

Tough Honors Program Is Challenge To ASU Students

Those who question the seriousness of today's college student's or accuse them of seeking "snap" courses for an easy degree would be encouraged by the progress of the tough Honors Program at Arizona State University.

In September of 1959, three ASU students enrolled in the College of Liberal Arts for the new Honors Program. So successful was the program that by September, 1962, more than 120 students were participating.

In order to qualify, students must pass batteries of tests, produce evidence of previous high academic achievement and embark on an intellectual adventure which could provide them an unequalled opportunity.

How does the Honors Program differ from a regular college program?

Its chief architect, Dr. Arnold Tilden, formerly Dean of the College of Liberal Arts, and the faculty envisioned it as a challenge to students of exceptional ability, interested in high scholarly attainment.

"Now, more than ever," he said, "it is imperative that this country develop its unusually competent students. This is a quest for quality."

The program has sought to develop in the student an awareness of the relationship of all knowledge and experience and to make him more concerned with basic values: intellectual, esthetic, social and ethical.

Dean Karl H. Dannenfeldt, Dr. Ernest I. Stewart, Assistant Dean of the College of Liberal Arts, Dr. Gene B. Montague, chairman of the Honors Council, and the Honors Council as a body administer the program, maintaining a vigilance for improvement. All concerned are pleased thus far with the results and opportunities arising for the honors graduate, but hope for continued improvement.

The Honors Program, according to Dr. Stewart, has a greater degree of richness and depth than the regular curriculum.

It gives the superior student the opportunity to work at his own speed in order to "close the gap between potential and performance."

The student is given more direct and personal instruction, allowing him to bypass many beginning courses. He is confined to neither the usual curriculum nor to the campus; he may conduct approved independent study. In short, this course is virtually tailored to his abilities and needs.

Once in the program, it is not easy for him to stay there, although at his election he may drop without having lost any progress toward a degree. Few choose to do so, although since the start of the Honors Program, some students have left and others have failed to qualify for continued participation. As of June, 1962, there are 120 participating; 117 of them Arizonans, plus one student each from Hawaii, Germany and Thailand. They study in 13 major areas of instruction.

For graduation with honors, the student must pass a comprehensive examination in his major area. He must present to the Honors Council an acceptable thesis or a comparable creative project and at the discretion of his department, he may be asked to defend it in an oral examination before a committee of the council.

Dean Dannenfeldt emphasizes, however, that the Honors Program is not a speed-up process; it will take a student four years to complete his degree requirements.

For those students who do complete the Honors Program and obtain their baccalaureate degree, ASU will confer "summa cum laude" degrees to those who maintain an academic average over 3.5 (4.0 is straight "A"), and "magna cum laude" degrees to those whose grade indexes are between 3.2 (the minimum for continued participation in the program) and 3.49.

But most important, the Dean and Honors Council members feel, is that these students will have devoted much more time to their studies than those following the normal course sequence and therefore will have come closer to "closing the gap between potential and performance."

And they will be in great demand for constructive contributions throughout the world.

Entering Freshmen May Take Early Tests Aug. 10

Entering freshmen may take advantage of early testing at ASU on Aug. 10. Testing will start at 8 a.m. and finish at 11 a.m. in room 191 of the Life Sciences Center.

Those planning to take the tests must apply in advance at the ASU admissions office, in person or by mail. There is a \$4 testing fee. This is the ACT test given in Arizona high schools last year and is only for those students who did not take it in high school.

The ACT tests to be given Aug. 10 are required by the university. Students not taking the test in high school or on Aug. 10 must take the exams during Orientation Week in the fall.

Chest X-Rays, also required, will be given on Aug. 24 from 8 a.m. to 3 p.m. at the ASU infirmary, as well as during Orientation Week. The X-Rays will be given only to students who have sent in their physical examinations.

The student personnel program at ASU provides opportunities and services to enhance college living, studying and recreational activities. The program encompasses several major areas of college life outside the classroom.

Individual counseling ranges from personal problems to assisting students to gain information regarding loans, study habits and scholarship. This counseling also provides a channel to the university administration of information about student needs and interests.

The student government program supplements the academic life by furthering belief in our nation's democratic procedures through active participation. It provides students an opportunity to become participating civic-minded individuals.

A well-balanced intramural

23 Religious Groups Active For All Faiths

An active and well-organized religious life, involving all major denominations and faiths and characterized by considerable inter-faith activity centered in Danforth Chapel at the heart of the campus, is among the oldest and strongest traditions at Arizona State University.

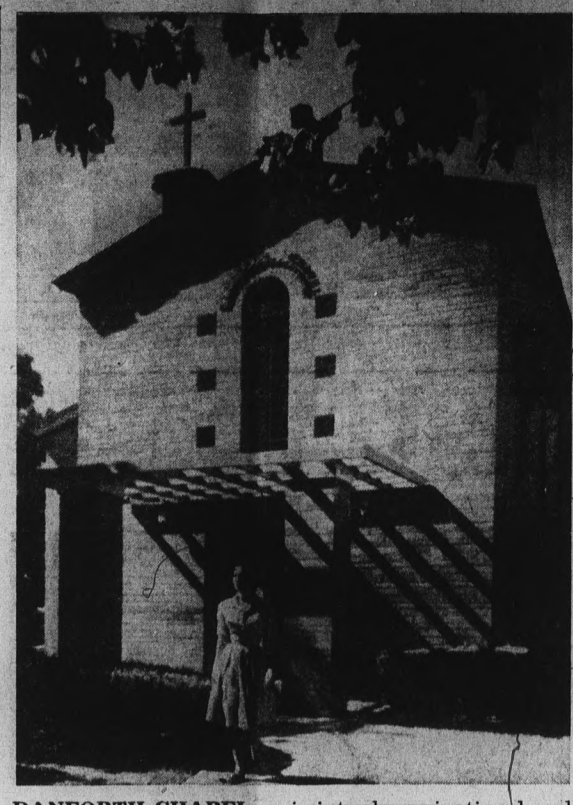
Such annual observances as Spiritual Exploration Week, in which virtually the entire campus participates, the Freshman Week picnic; the many special events arranged for Christmas and Easter by the student religious organizations, with all students as their guests; plus a steady round of religious events, including 15 courses in Bible and Religion, attest to the naturalness, healthfulness and vigor of the campus spiritual life.

The townspeople of Tempe, itself a community of over 26,000 people with a score of congregations, help provide the services of the religious coordinator, Rev. Charles Crouch. He is available on campus for counseling or for information relative to the religious needs of the students, and coordinates the activities of all the denominations and faiths serving campus students.

Twenty-three such organizations are active and officially recognized by ASU at present. They are: The American Baptist Student Fellowship; Bahai Fellowship; Baptist Student Union; Baptist Young People's Union; Campus Crusade for Christ; Canterbury Association; Chi Alpha (Assembly of God); Christian Fellowship; Christian Science Organization; Church of Christ Student Fellowship; Church of God of Abrahamic Faith; Congregational Fellowship; Disciples Student Fellowship; Hillel Foundation; Lambda Delta Sigma (Phi Alpha for men and Phi Omega for women); plus Delta Phi for returned missionaries; Liberal Religious Students; Lutheran Student Association; Martin Luther Society; Orthodox Christian Fellowship; Wesley Foundation; Westminster Fellowship Newman Club; and the William Penn Fellowship.

All these groups have their individual activities, social life and programs. Some of them have their own buildings. Banded together in the Student Religious Council, they play an active role in campus affairs and are represented in the student government.

One of the most beautiful buildings on campus is Danforth Chapel, available to all religious denominations.



DANFORTH CHAPEL — is interdenominational and is located in the center of the ASU campus for use by students and faculty of all faiths.

Memorial Union Is Center Of Campus

"On every campus, there must be a place set aside for timeless devotion to the timely art of living," says Mrs. Cecilia Scouler, director of the Memorial Union building at ASU.

This building, opened in March, 1956, was made possible by gifts of alumni, friends of the university, students and faculty members. It is dedicated to the memory of those from ASU who gave their lives in defense of the American way of life.

It is the dynamic center of campus life outside the classroom. Located there are the facilities for sharing of the arts, or friendship, ideas and experiences in work and play.

The Union program is planned to develop in students responsibility for the initiation and completion of a vital, worthwhile program of social and cultural activities. It seeks to give each one a sense of belonging to a group and to a school of which he is an important part; and to further his understanding of the basic principles of democracy by participation in a democratic form of student government.

It fosters growth in social amenities and gracious living and it provides a center for the

ASU Reflects Fast Growth Of Arizona

Half of the people in Arizona live within 50 miles of the Arizona State University campus. In this area, a great city, Phoenix, is one of the nation's most rapidly developing metropolitan centers.

Yet the ASU campus itself has all the grace of a rural location. It is a place of wide lawns and fine shade trees with over 300 acres of grounds.

The growth of Arizona State University from a tiny territorial normal school is a real tribute to the confidence which Arizona and her people have in meeting their problems in an increasingly demanding civilization.

No wonder there's a feeling of growth on the campus! More and more students are appealing to ASU for a complex variety of studies in many career fields.

Thirty-one students met in a single room when the Territorial Normal School held its first class on Feb. 8, 1886. About 14,000 students used the facilities of about 65 spacious and appropriate buildings at Arizona State University last year.

The most visible evidence of the dynamic growth of ASU is in the expansion of its physical plant in an attempt to anticipate and keep up with the tremendous influx of students. During the past seven years about \$20 million worth of new structures have been added to the campus.

And this will be another year of transformation with new projects being commenced and finished on almost all sides of the campus. Heading the list is the long-awaited Grady Gammage Memorial Auditorium which will be completed next March on a 15-acre site at the curve of the Tempe-Mesa Highway.

Designed by the late Frank Lloyd Wright, the striking auditorium will cost about \$2.8 million and will seat 3,000, combining the functions of theater, auditorium and concert hall as effectively as any such structure in the nation. The building also will include facilities for parts of the drama, music and art departments.

A new, seven-story addition to the Palo Verde women's dormitory complex will be ready this September for 410 coeds. Another new structure ready for occupancy in September is a 24,000 square foot addition to the Life Sciences Center.

Other major additions to the campus soon to be started are: a language and literature building on College Avenue north of the Social Science Building; an industrial technology building on College Avenue and Sixth Street, and an addition to the engineering center, providing research space, classrooms and offices. A new library, with space for a million volumes, is proposed for a location presently occupied by East Hall, just north of the Memorial Union.

To provide the best available learning conditions for a rapidly increasing student body, ASU has added four major buildings since 1959.

The Life Sciences Center, opened in 1959, contains research and general laboratories, classrooms, lecture halls and offices for botany, zoology, biology, microbiology and etomology. The Poisonous Animals Research Laboratory is housed here as is an ecological laboratory where desert life is maintained at the level of natural surroundings.

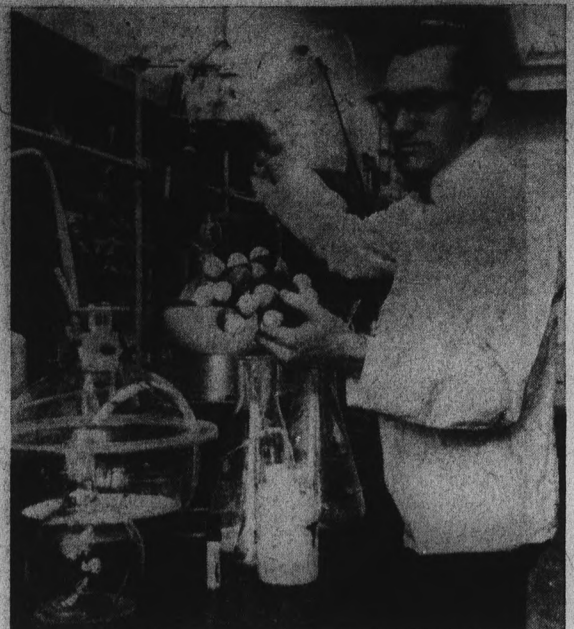
The Physical Sciences building, completed in 1959, is a four-story structure which already has had two additions, and eventually will cover a city-block. It houses chemistry, physics and mathematics classrooms, laboratories and research facilities.

The exteriors of both buildings match the nearby Engineering Center, opened in 1955. A four-story social sciences building opened in 1960 and a four-story College of Education structure was finished in 1961.

Evidence of the need for housing students near their classes are two almost new residence halls, Palo Verde for women and Sahuaro for men.

Frosh Week

(Continued from Page 1) sive schedule of events are contained in this special edition of the STATE PRESS. Read it carefully and bring it with you to the campus.



ASU FACULTY conducts research for private and governmental agencies with over \$1 million in grants. Setting up equipment for use in cancer research is Dr. Roland K. Robbins, professor of chemistry. A wide variety of research projects in numerous fields also provides learning and income opportunities for serious students.

New University Catalog

The official document governing the education of an estimated 20,000 Arizona State University students during the next two years is now available to all high school graduates, according to Dr. H. D. Richardson, ASU academic vice-president.

The university's biennial catalog for 1963-65 is designed this year as a guide to educational planning for high school graduates who are undecided about attending college as well as for those who have already selected ASU, according to Dr. Richardson.

"The catalog tells the prospective student and his parents what the university has to offer," said Dr. Richardson, who added that copies may be obtained by phoning or writing the Director of Admissions at ASU or by picking them up at the Administration building.

Of particular interest to high school graduates is the section on costs, availability of scholarships, work opportunities both off and on the campus and arrangements for student loans.

For the first time in ASU history, a single registration fee (set at \$115 per semester for Arizona residents) makes its appearance in the catalog, replacing the separate and extra class, laboratory and activities fees of previous years.

Provision for additional career opportunities is indicated by the following list of bachelor's degrees achieved through courses offered by four undergraduate colleges, four professional schools, two divisions and 43 departments:

Bachelor of arts, science, architecture, science in engineering, science in nursing, arts in education, music and fine arts, in addition to a variety of master's and doctor's degrees offered by the Graduate College.

The 1963-65 catalog carries descriptions of approximately 2,200 courses, of which 279 are new—to meet the diversity of educational needs required by thousands of students seeking a continuous four-year program preparatory to professional life.

The faculty roster has been expanded to include 600 full-time instructors and assistant, associate and full professors, more than half of which have doctor's degrees.

The offering of courses in the fields of communications, humanities, behavioral and social sciences and mathematics has been enlarged, adding flexibility to a 40-semester-hour general education program required of all students.

Additional growth and development are reflected by the following changes in the organization of the university:

The College of Applied Arts and Sciences has been changed to the College of Engineering Sciences; the School of Nursing, formerly a part of the College of Liberal Arts, is now an independent unit; the department of sociology and anthropology has been divided into separate units; and the Graduate School of Social Service Administration makes its first appearance in the catalog.

Another major organizational change is the conversion of the division of industrial education into the division of industrial design and technology, which now includes the following fields of specialization:

Aeronautical, electronic, graphic arts, tool and manufacturing and welding technology and technical design.

Also included in the catalog are the higher standards for upper division students in the Education and Business Administration colleges.

Many of the catalog revisions involve the majority of students, but the university has also made additional provision for the outstanding scholars by extending the Honors Program, initiated in the College of Liberal Arts, to the three other undergraduate colleges, effective next fall.

Housing Adequate

Housing is ultra-important in the booming Valley of the Sun. Arizona State University is constantly working to provide adequate and suitable housing for its students.

The ASU residence halls are not just a place to sleep and eat. The halls are integrated with the academic aims of the institution, and living in them has been a factor contributing to the success of many a student.

The halls have succeeded in developing a climate conducive to good study habits. All have regular "quiet hours" to encourage study and the head residents are always ready to further encourage high academic standards.

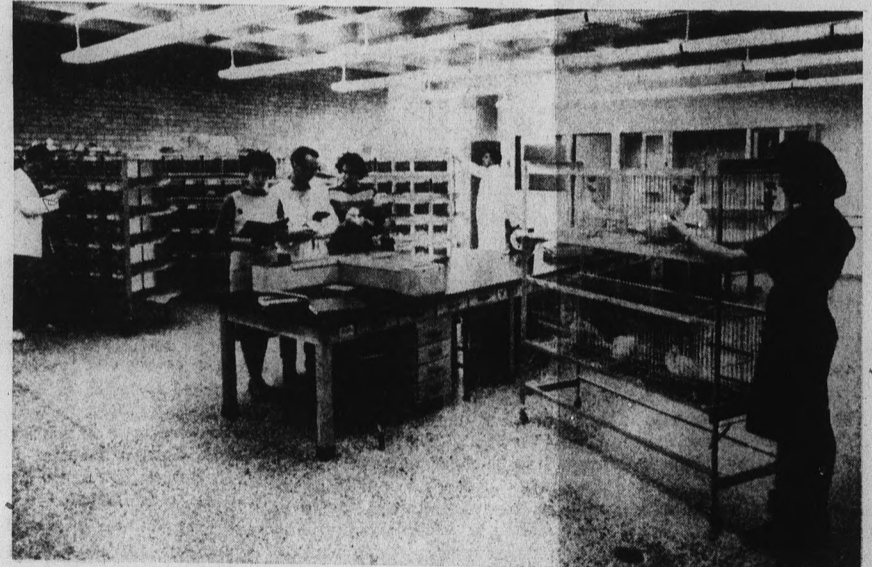
Each year, both men's and women's residences compete for the highest academic average and trophies are given to the winning men's and women's halls.

ASU Bookstore Stock Complete

Located in the Memorial Union Building at College Ave. and Orange St., is the campus bookstore, owned and operated by the university to serve the needs of students and faculty.

The Bookstore stocks a complete line of books; textbooks, reference books and books for general reading. School supplies, art supplies and stationery are also in stock.

The Bookstore is open from 8 a.m. to 7 p.m. Monday through Thursday; from 8 a.m. to 4:30 p.m. on Friday; and from 9 a.m. to 1 p.m. on Saturday.



BRAND NEW facilities for students and faculty research are included in many of ASU's new buildings. Here, students work on a project in psychology research in the Social Sciences Building, using animals for experiments.

Student Personnel Program Vital

The student personnel program at ASU provides opportunities and services to enhance college living, studying and recreational activities. The program encompasses several major areas of college life outside the classroom.

Individual counseling ranges from personal problems to assisting students to gain information regarding loans, study habits and scholarship. This counseling also provides a channel to the university administration of information about student needs and interests.

The student government program supplements the academic life by furthering belief in our nation's democratic procedures through active participation. It provides students an opportunity to become participating civic-minded individuals.

A well-balanced intramural

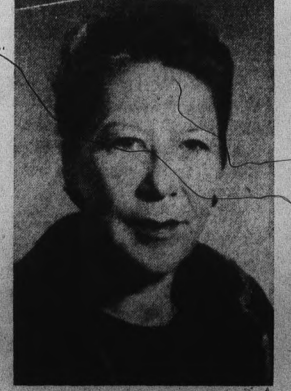
Series Brings Famous Artists

World renowned musical and dramatic artists and lecturers will appear at Arizona State University during the ASU concert and lecture series of the 1963-64 school year.

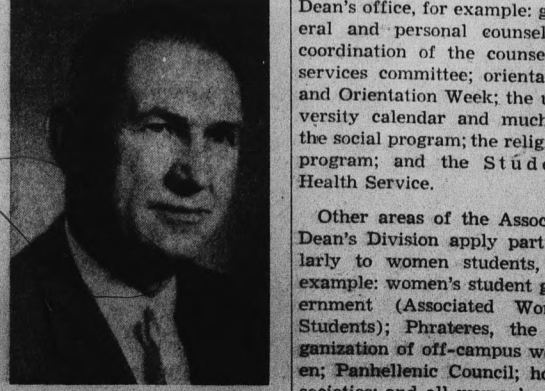
The student activities fee, which is paid during registration, covers the cost of the series and there is no additional charge to students. Most events are held in the Memorial Union ballroom, with an occasional presentation at the larger Tempe Union High School auditorium.

Among the events this year will be appearances by: Violinist Ruggiero Ricci; the Merce Cunningham Dance Co.; the Amadeus String Quartet; Pianist Anievas; the American Jazz Ensemble; Vienna Chamber Orchestra; Vlach String Quartet; Burgess Meredith; Stewart Alsop; and the Goldovsky Grand Opera Theater in the "Barber of Seville."

Other areas of the Associate Dean's Division apply particularly to women students, for example: women's student government (Associated Women Students); Phrateres, the organization of off-campus women; Panhellenic Council; honor societies; and all women's residence halls, organizations and activities.



Dr. Catherine G. Nichols Associate Dean of Students



Dr. Weldon P. Shofstall Dean of Students

University Colleges Offer Wide Selection Of Courses

Know Your Adviser

By DR. H. D. RICHARDSON
Academic Vice President

If you are reading this, you already have made one important decision, or are in the process of making it. You have decided, or are about to decide, to continue your education at a college or university. If you have already selected Arizona State University, my congratulations to you! You have made a good decision.

But there is a second, and perhaps a more important long-range decision that you will need to make, and if you are like most university students, you will need some help. You will need to decide, and the earlier the better, why you are going to college or university. You should have a better and a clearer reason than "to continue my education." Education for what? What do you want four years of university education to do for you? What type or kinds of preparation and training will meet your particular interests and needs? Will you be able to get it at ASU?

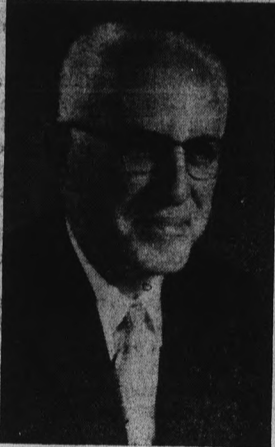
Answers to these questions will come quite easily if you have made at least a tentative decision as to your purpose, objective, or goal, and if you continue to gain some understanding of how university education may be used to advance you toward the realization of your goal.

This is where a faculty adviser can be of real help. To be most helpful, however, you must have done some thinking and planning on your own.

You need to have some notion of a purpose and goal. What it is, and what it becomes, must result from your thinking and planning, at least to begin with. Upon entering college or university, the problem becomes one of selecting a four-year program of studies that will best provide the preparation and training needed to serve your needs and interests, and meet the requirements imposed by your purpose or objective. To help you evaluate your purpose, and to guide you in the selection of a curriculum—that is, a well-designed and planned program of studies that will meet your needs and also the requirements for a bachelor's degree—is the function of the faculty curriculum adviser. Your faculty curriculum adviser can be most helpful in getting you started right the first semester of the freshman year, and will be a source of information, counsel, and advice throughout each of the following semesters until you graduate. Your curriculum adviser cannot only be helpful in planning with you an educational program, but in many other ways. If you need help in thinking through a personal problem, if you need information about scholarships, work opportunities, or loans, if you want to discuss your career objective, job opportunities and requirements, or plans for graduate study, if you need counsel on improving your study habits, in getting acquainted with the library and its use, in understanding university requirements and regulations, if you need information and advice about social activities, extra-curricular activities, organizations, sororities or fraternities—if you need help of any kind, seek out your faculty adviser. If he cannot help you himself, he will likely know someone who can, and he will be glad to "open the door," or get you to a source of help that will serve your need.

It may be truly said that every student needs some help sometime. Unless you are a rare exception, you will need some help sometime. The important thing is to know when you need it, and where to get it, and get it, before it is too late. Your first source is your faculty adviser. Don't put it off or avoid him.

Your faculty curriculum adviser is most willing to help you. You will meet him early during freshman week. Become acquainted with him. Seek his counsel when you need it. Have confidence in him. Give him the opportunity to be helpful. Regard him as your trusted counselor and friend!



Dr. H. D. Richardson
Academic Vice President

Schedule Meets Class Demands

To make the fullest possible use of its classroom facilities, Arizona State University will offer this year a record selection of late afternoon and evening courses.

Dr. H. D. Richardson, academic vice president, points out that there is no sharp distinction now between the daytime and the evening programs.

"In response to the national demand for colleges and universities to make the greatest use of existing facilities to meet the pressure of fast-increasing enrollments, ASU classes now run from 7:40 a.m. to 10:30 at night," says Dr. Richardson.

The evening program is also designed as a service to both undergraduate and graduate students who are unable to attend classes in the daytime, or who find it necessary to take part of their classwork in the evening.



MATTHEWS LIBRARY is the heart of the campus academic life, containing not only more than 400,000 volumes but also the ASU Collection of American Art; one of the most significant in the Southwest. The library also has browsing rooms and facilities for listening to music, along with numerous study and research rooms. A new library containing facilities for over a million volumes is proposed for the near future.

Liberal Arts, Largest ASU College, Is Core Of University Academic Life

Comprised of 23 departments, the ASU College of Liberal Arts maintains the largest faculty and offers the greatest number of courses of the university's five colleges.

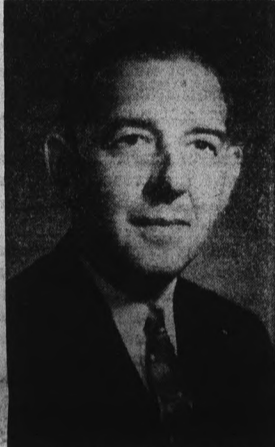
Liberal Arts offers programs of study leading to four undergraduate degrees, the bachelor of arts, bachelor of science, bachelor of fine arts, and bachelor of music.

Thirty-two areas of specialization are available to candidates for the bachelor of arts degree. The majors are:

Anthropology; biology; chemistry; clothing, textiles and related arts; dramatics; economics; English; family life and child development; fine arts; foods and nutrition; French; general home economics; geography; geology; German; health education; history; humanities; journalism; mathematics; music; philosophy; physical education; physics; political science; psychology; radio-television; recreation; social welfare; sociology; Spanish; and speech.

Twenty-eight areas of specialization are available to the candidates for the bachelor of science degree from the College of Liberal Arts. The majors are:

Anthropology; applied arts; biology; botany; boys' club administration; chemistry; clothing, textiles and related arts; economics; entomology; family life and child development; foods and nutrition; general



Dr. Karl H. Dannenfeldt
Dean, College of Liberal Arts

home economics; geography; geology; health education; mathematics; microbiology; physical education; physical sciences; physics; physiological zoology; political science; psychology; recreation; social welfare; sociology; and speech.

Business Administration College Has 10 Areas Of Concentration

Arizona State University's College of Business Administration offers a program of study leading to a bachelor of science degree in 10 fields of specialization.

Candidates for the bachelor of science degree in business administration may major in accounting, advertising, economics, finance, general business administration, insurance, management, marketing and selling, office administration, or real estate. Students majoring in general business administration may also take special courses in preparation for careers in transportation, traffic management, hotel administration, data processing and computer programming, business statistics, and business communications.

In addition to four-year degree program, special three- and two-year programs of study in prelaw and secretarial science are offered.

The College of Business Administration, located in Arizona's business center, also conducts special courses and conferences for local businessmen. These executive development programs provide management training in most of the functional fields of business, and acquaints the faculty with current business problems and practices.

The Bureau of Business Services gathers and publishes business and economic data pertaining to the surrounding community. The Bureau also serves as a laboratory for students who wish to secure practical experience in business research and analysis.

The College of Business Administration is a member of the American Association of Collegiate Schools of Business, the

ology; wildlife biology; and zoology.

In addition to these areas of specialization leading to undergraduate degrees, the College of Liberal Arts offers special programs of study in the following areas:

Foreign Service Training Program; Latin-American Area Studies; Medical Technology; pre-dental, pre-medical, and pre-osteopathy; pre-law; pre-ministerial; pre-occupational, pre-physical therapy; pre-optometry; pre-pharmacy; public service training program.

Among the research facilities used by the College of Liberal Arts are a complete atomic rhineral and metal analysis laboratory, a meteorite laboratory, psychological clinic and laboratory, the Bureau of Government Research, and the Poisonous Animals Research Laboratory.

Dr. Karl H. Dannenfeldt, professor of history, who joined the ASU faculty in 1956, is Dean of the College of Liberal Arts.



Dr. Glenn D. Overman
Dean, College of Business Administration

official accrediting agency of professional schools of business. An Honors Program for outstanding students has been recently initiated. The goal of the program is to give students an enriched academic experience. Freshmen may be admitted to the Honors Program on the basis of their high school record.

Dr. Glenn D. Overman, who joined the ASU faculty in 1956 is dean of the College of Business Administration.

Movie Series Features Fine Foreign Films

Combining culture with entertainment, ASU each year presents a series of foreign films. All are international award winners and represent the finest in cinema artistry in the countries where they were created.

The films are shown afternoons and evenings in Cosner Auditorium on campus.

ASU's Pioneer Spirit Meets Modern Needs

The tradition and spirit of Arizona State University go back to one of the most colorful and unusual adventures in higher education on record in the United States.

Founded in the frontier days of Arizona Territory before the Wild West era had fully disappeared, this was the first institution of advanced learning in a vast Southwestern desert area, stretching 1,200 miles from central Texas to Los Angeles and 600 miles northward from the Mexican border. Public education was as necessary a part of the conquest of the Great Southwestern Desert as Indian fighting, the struggle against the outlaws, and the bringing in of abundant water.

Arizona State University, which opened its doors for instructional purposes on February 8, 1886, having been legally authorized by a pioneer legislature on March 12, 1885, was at the heart of the educational conquest of the desert on the day it opened and has been so ever since.

It was founded for a single extremely necessary purpose, that of training teachers for the frontier system of grade-schools that had sprung up in the early-day mining camps, cattle towns, army posts and farming settlements of the desert territory. Its second purpose was to provide training in agriculture and mechanics, though this didn't develop for some years. As far back as 1871 when the Apache terror was at its height, a valiant educational enthusiast, Territorial Governor Anson Safford, had launched a system of one-teacher public schools. They spread rapidly but ran so acutely short of teachers that they had to have a Normal School in order to survive.

The Territorial Normal School, located at Tempe in the central-desert area of the Territory, was founded by the pioneer Charles Trumbull Hayden, father of United States Senator Carl T. Hayden. It solved the teacher shortage, and did valuable work from the start. By the time the Territorial University, legally founded on the same day, opened its doors in 1891, the Normal School at Tempe had graduated four classes and had the teacher shortage well in hand.

The Normal School, to begin with, was extremely small. It had only 33 students in its first year, a one-person faculty and a four-room building at the base of Tempe Butte. Hiram Bradford Farmer was its first president, principal, and only teacher. In its first fifteen years it had six successive presidents and, by 1900, had grown to 131 students. In that year a truly great man, Dr. Arthur John Matthews, became its president, and remained so for thirty years.

Destiny in the shape of abundant water came to the central desert of Arizona in 1911 through the completion of the Theodore Roosevelt Dam. Under this stimulus the Normal School began to grow. Statehood arrived and the Greater Phoenix area became the largest population center in the state. The pioneer Normal School became Tempe State Teachers College in 1925 and Arizona State Teachers College in 1929. It still had less than a thousand students, but was highly rated educationally, with Class-A accreditation among teacher-training institutions of the United States.

The depression of 1930-33 brought a setback. In 1933 Dr. Grady Gammage became president and his 27½-year presidency was to be among the most remarkable on record in the United States. Under his leadership, the Teachers College burst through its limitations and became an all-purpose State College — Arizona State College at Tempe — in 1945.

The greatest postwar influx of population, plus the expanded curriculum, brought an expansion with few, if any parallels in modern times — from 553 students in 1945 to 4,094 in 1949, 9,708 in 1958, and 15,500 at the present time. The new name was accorded by a two to one vote of the people on Nov. 4, 1958.

Arizona State University has retained the pioneering, enterprising, democratic character of its frontier origins, while developing topmost accreditation.



SUN DEVIL, the nickname and emblem of Arizona State University, is formed by the student card section during halftime at football games, along with other colorful card stunts. Emblem was created for ASU by Mr. Walt Disney.

Vice President Is ASU Alumnus

When the late Grady Gammage came to Arizona State University in the summer of 1933 to assume a presidency which would continue for more than a quarter of a century, the man to whom he reported for the keys to the campus was Gilbert L. Cady, now the Vice-President for Business Affairs.

Cady, who began his career at ASU as a student, graduating 29 years ago with the class of 1934, still holds the keys to the solution of all problems involving the fiscal and physical management of a 300-acre campus with an appraised value exceeding \$50 million.

Starting at ASU as a freshman among 836 students, Cady worked his way through college as a part-time employee in the business office which led to successive posts as business secretary, college comptroller, administrative assistant to the president and, in 1957, the vice-president.

One of the significant links between the University's colorful past and its promising future, Cady's career at ASU has extended through four presidential terms. His dynamic leadership during the last three decades has been an important factor in the institution's development from an enrollment of 836 to one of more than 14,000 students.

The only interruption in this long term of dedicated service to the University during the period of its greatest growth came in 1941 when he left the



Gilbert Cady
Vice President for Business Affairs

campus to become an Army officer. He served overseas 37 months as a member of the Inspector General Corps, achieving the rank of lieutenant colonel, before returning to the University to resume his educational mission.

"As I see it," he says, "mine is a service function—providing facilities so that our academic people can do their jobs.

"Increased enrollments are bringing us ever-rising costs. This institution has for so long been obliged to exist on tight marginal budgets, we have the habit of trying to get double value for every dollar expended.

Burke Is Executive ASU Vice President

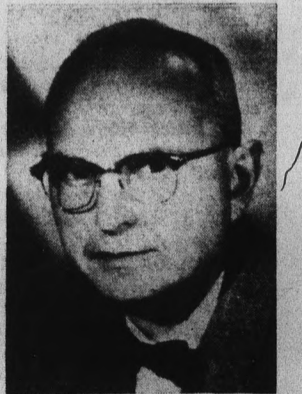
Dr. William J. Burke, head of the University of Utah chemistry department since 1949, is the new executive vice-president of ASU. A research chemist with E. I. du Pont de Nemours and Co. from 1937 to 1946, Dr. Burke also holds the rank of professor of chemistry. Dr. Burke, who joined the ASU staff in 1962, served on the Fund for the Advancement of Education, Ford Foundation, committee on faculty fellowships from 1952 to 1956.

He recently spent two months in Ethiopia studying its system of higher education as a member of a State Department International Cooperation Administration survey team.

The new ASU vice-president received a bachelor of arts degree from Ohio University, Athens, and a doctor of philosophy degree in chemistry at Ohio State University, Columbus. Dr. Burke, a native of Lovellville, Ohio, was associate professor of chemistry at Ohio University before assuming a similar post at the University of Utah in 1947.

A visiting associate for the Committee on Professional Training of the American Chemical Society, he has also served as secretary and counselor for the Salt Lake section of the ACS. He is a consultant on chemical problems for the Monsanto Chemical Co.

He has also served several years as a visiting scientist under grants from the National Science Foundation to the Di-



Dr. William J. Burke
Executive Vice President

vision of Chemical Education of the American Chemical Society. The author of more than 65 scientific articles and patents, Dr. Burke is a member of Phi Beta Kappa, Sigma Xi, Phi Lambda Upsilon, Gamma Alpha, Phi Kappa Phi, the American Chemical Society, and the American Association for the Advancement of Science.

Publications Bureau Busy

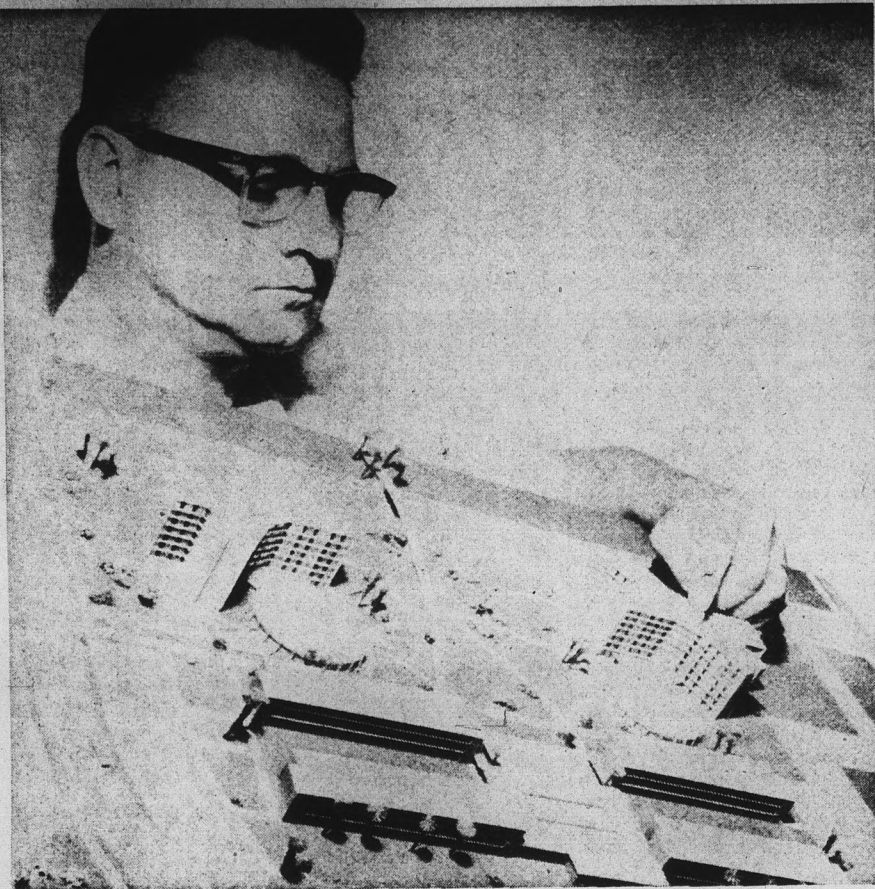
At Arizona State University, you'll often run into the work turned out by ASU's Bureau of Publications.

Except for the student publications, the State Press newspaper and Sahuaro year book, the bulk of campus publications come from the bureau.



MODERN LINES of the Social Sciences Building attract students and faculty to the four-story structure. Operated from 7:40 to 10:30 p.m., the building features a serene inner courtyard, offices and laboratories for study and research. A similar facility for the College of Education recently was completed.

ASU Colleges Serve Varied Needs



PHYSICAL PLANT director John Ellingson looks over model of Palo Verde women's dormitory complex. Horizontal buildings in foreground have rooms and dining facilities for 600 coeds, plus chapter rooms for ASU sororities. Seven-story dormitory at upper left will be ready for occupancy by 410 women in September and has its own circular dining facility. Identical building, upper right, is in planning stage. Overpass will cross busy Eighth Street to ASU campus.

Education Pioneer College

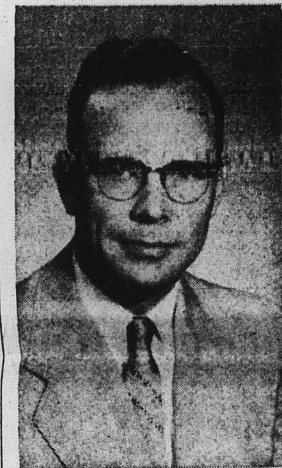
ASU's College of Education, the oldest college in the state's oldest institution of higher learning, offers courses in major areas, leading to the bachelor of arts in education degree.

Master of arts in education and doctor of education degrees are also conferred, as are the education specialist and doctor of philosophy degrees.

Specialization of course work is organized into 13 different groupings: elementary, secondary, special education, higher education, adult education, guidance and counseling, school administration and supervision, audio-visual education, social foundations, educational psychology, educational foundations, courses, distributive education, and library science.

The college also provides preparation for all state teaching certificates. In addition to the elementary program, students are prepared to meet certification requirements for teaching any one of the 24 major teaching fields and 13 additional minor fields for high school instruction.

The College of Education operates the Campus Laboratory School, an elementary school which serves as a laboratory for education majors; a Guidance Center, a Reading Center, and the Bureau of Educational Research and Services. The Bureau conducts a variety of

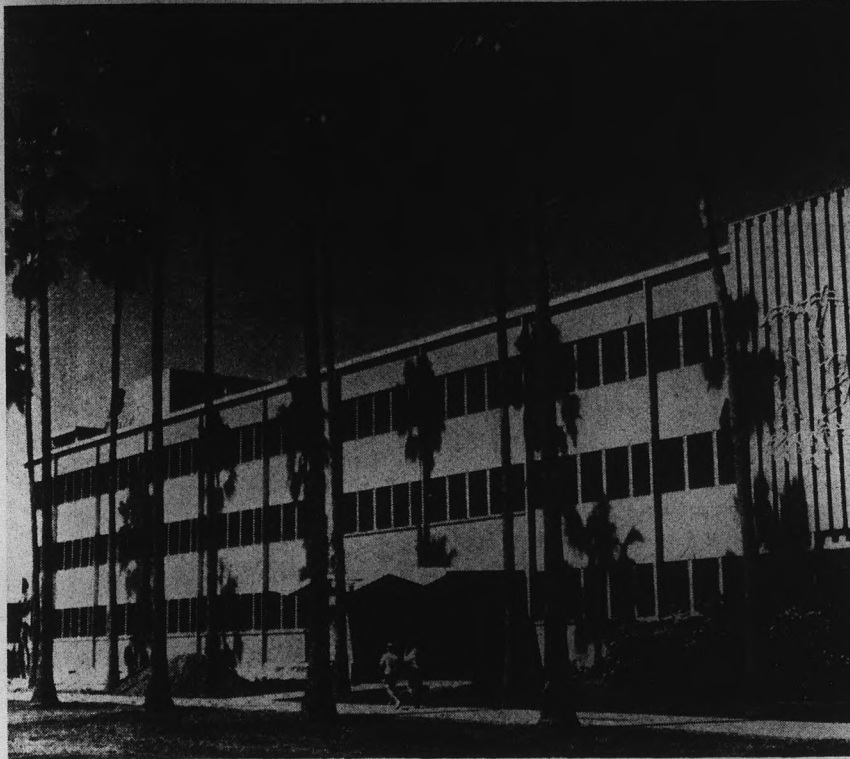


Dr. G. D. McGrath
Dean, College of Education

surveys and studies for educational groups and institutions around the state.

During the year the college sponsors a series of workshops on an extensive range of topics, including: gifted children; cerebral palsied children; Indian education; human relations; migrant children; guidance and counseling; reading; curriculum development; library science.

Dr. G. D. McGrath, who joined the university faculty in 1950, is Dean of the College of Education.



LIFE SCIENCE CENTER is used by most students during the course of their collegiate careers, whether majoring in science or fulfilling general education requirements. The facility, whose new, 24,000 square-foot addition is seen at left, is devoted primarily to biological sciences. New addition will be ready for use in September.

Engineer Sciences Practical

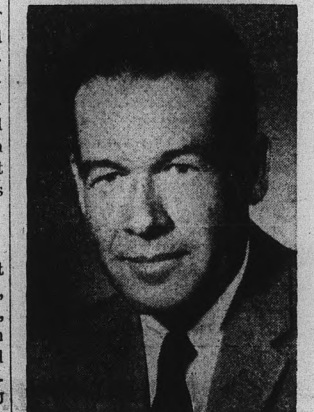
Two professional Schools, two Divisions, and the Research Center make up the ASU College of Engineering Sciences. The Schools are the Schools of Architecture and Engineering and the Divisions are the Divisions of Agriculture, Industrial Design and Technology.

The College offers programs of study leading to three undergraduate degrees: Bachelor of Science, Bachelor of Science in Engineering, and Bachelor of Architecture. The College also offers the Master of Science in Engineering degree and the Doctor of Philosophy.

Courses in the Division of Agriculture are offered in agricultural science, agricultural production and management, and agricultural business. The Division also conducts three special programs: agricultural education, pre-veterinary, and pre-forestry.

Candidates for the Bachelor of Science degree in Industrial Design and Technology Division may select one of seven fields of specialization: industrial arts education, aeronautical technology, electronics technology, graphic arts technology, technical design, tool and manufacturing technology, and welding technology.

The School of Architecture offers a five-year fully accredited program of study in architecture and a four-year curriculum in construction.



Dr. Lee P. Thompson
Dean, College of Engineering Sciences

Six fields of specialization are offered in the School of Engineering: chemical engineering, civil engineering, electrical engineering, engineering science, industrial engineering, and mechanical engineering. Five of these are accredited by the Engineers' Council for Professional Development.

Engineering courses and laboratories are taught in the Engineering Center, a modern building with modern facilities. The Computer Center is located also in the Engineering Center.

Dr. Lee P. Thompson, who joined the faculty in 1955, is Dean of the College of Engineering Sciences.

Campus Near Arizona Center

Arizona State University is located at Tempe, 1960 population, 25,000, the city limits of which meet the Phoenix southern boundaries. The campus is seven miles from downtown Phoenix, capital of Arizona and heart of the state's political, cultural and economic life.

Within easy driving distance of the campus are over 720,000 people, more than half of the state's population. Nearly 80 per cent of the enrollment lives off campus.

Theatre Group Sets Audition

The Drama Workshop, ASU campus little theater group, will present at least six major productions during the 1963-64 school year.

Auditions for the first play of the year will be held Aug. 26-27 at 7:30 p.m. in the Lyceum theater, according to Dr. James Yeater, workshop director and assistant professor of speech and drama.

All students interested in any of the many phases of theater arts are invited to participate in the workshop activities supervised by Yeater and Don Doyle.

Students are needed in the workshop as actors, or as technical assistants in costuming, makeup, scenery, construction, lighting, publicity, or stage management.

Professional Schools Aid Specialization

Arizona State University's three professional schools—nursing, engineering, architecture—are the results of years of careful academic development to meet specialized needs of state students.

SCHOOL OF NURSING
ASU offers to qualified high school graduates a basic four-year collegiate program leading to a bachelor of science degree in nursing. The student nurse is given a base of general education to provide a rich academic background.

To provide the best clinical experience in all fields of nursing, the school utilizes the Maricopa County Health Department, Visiting Nurse Service, Inc., Samuel Gompers Rehabilitation Center, Georgian Court Convalescent Home, and the following hospitals: Good Samaritan, Crippled Children's, Maricopa County, Veterans Administration, Memorial, White Angel, St. Luke's and Doctor's. Mrs. Loretta Hanner is director of the School of Nursing which is fully accredited.

SCHOOL OF ENGINEERING
The engineering program is designed to make effective a philosophy of education for careers in science, engineering, and industry for leadership in the second half of the 20th century.

Well prepared students can usually complete the studies leading to the degree of bachelor of science in engineering in four years. A student who desires may devote additional time to his undergraduate work and thereby include additional instruction in the humanities, social sciences, physical sciences and mathematics.

The school offers six fields of specialization of which five are accredited.

Dr. Lee P. Thompson is Dean of the College of Engineering Sciences.

SCHOOL OF ARCHITECTURE
The School of Architecture offers a five-year program leading to the bachelor of architecture degree. It is based on the belief that the architecture profession has the obligation of providing creative leadership in the shaping of man's physical environment.

The school was accredited in April, 1961, by the National Architectural Accrediting Board.

Its program acquaints the student with all the techniques and philosophies of design and construction, and through its varied resources, to stimulate and aid the student in his quest for a personal technique and philosophy that will sustain him in seeking the rewards of a career devoted to shaping a better environment.

Director of the school is James W. Elmore.

8 Steps

(Continued from Page 1)

to students at the time of admission. Keep this catalogue and bring it with you. It will be the only copy you will receive.

Faculty Receives Degrees From Outstanding Schools

When a new university evolves rapidly from a state college, the institution can emerge into one of several patterns. There is frequently a question as to what kind of a university it will become.

In the case of Arizona State University, whose 1962 faculty roster carries 546 names, a partial answer can be gleaned from the source of the faculty, measured by the origin of the highest degree held by each faculty member.

From this information, it can be seen that the university has a broad base, its faculty coming from the major institutions of the nation, with wide geographical diversity. The strength of older universities in producing faculty members for the nation also may be seen in part in analyzing the ASU roster, to which 118 institutions in 38 states, the District of Columbia and seven foreign countries have contributed members.

Twenty-two major graduate schools around the country have contributed seven or more faculty members to the present ASU teaching staff for a total of 307 of the 546, more than 56 per cent.

Columbia University has conferred more doctor of philosophy degrees than any other university in the United States; thus one would expect doctorates from Columbia to be well represented at ASU. More ASU faculty members, 28, hold their highest degree from Columbia than from any other university.

Indiana, somewhat surprisingly, comes second. This is explained by the size and strength of the College of Business Administration at both Indiana University and ASU. Indiana, since World War II, has taken its place as a major, if not the major, producer of university business faculties. Hence many members of the ASU business faculty hold their highest degree from that institution. In all, 25 ASU scholars in all fields have their highest degree from Indiana.

Illinois, noted particularly for producing doctorates in chemistry, is next with 17, and the State University of Iowa is represented by 17, for fourth place. Three institutions, Northwestern, Ohio State and the University of Southern California, each have placed 16 faculty members on the ASU staff.

Cornell, Stanford and Wisconsin have contributed 15 each; Chicago and Minnesota, 14 each; the universities of Colorado and Texas, 13 each. The University of California at Los Angeles and the University of Michigan have provided 11 each and the University of California at Berkeley 10.

Eight ASU faculty members hold their highest degree from Harvard University, a figure which also marks the contribution of Iowa State University, Michigan State and New York University. Seven are from the University of Washington.

Seven institutions are responsible for five ASU faculty members each; Purdue, Missouri, Nebraska, Oklahoma State, Denver, Oklahoma and Alabama; four have contributed four each: Arizona, Colorado State, New Mexico and West Point. A total of 17 institutions, including Yale, Johns Hopkins, Massachusetts Institute of Technology and Princeton, are represented by three ASU faculty members.

It is interesting to note that of 546 faculty members, only one full professor and only one associate professor hold their highest degrees from Arizona State University. However, 25 assistant professors currently hold their highest degrees from ASU, undoubtedly one of the smallest percentages in the nation. There are, in addition, 11 instructors, three lecturers and nine faculty associates who were graduated from ASU.

What does this mean to the citizens of Arizona, the present and future students of ASU and the communities which will absorb them as graduates?

The wide diversity of faculty training and experience means that in the Phoenix metropolitan area, remarkable new synthesis in higher education is taking place. The cross-fertilization of ideas coming from such a configuration presents a unique opportunity for new educational vigor.

A truly American institution is evolving on the campus. Out of the exchange of ideas available may be expected fresh and stimulating developments distinctive to Arizona State University.

2 Programs Honor Scholastic Leaders

Arizona State University has two programs to honor students of exceptional ability.

"One program is designed to recognize individuals with high promise as university students," says Alfred Thomas, Jr., ASU registrar and director of admissions.

Through this program, entering freshmen who were in the top 10 percent of their high school graduating classes receive

certificates of "Honors at Entrance."

Under the Honors program students maintaining B- plus academic averages have the opportunity to participate in individual research and study, supervised by faculty members.

Under the Honors program designed specifically for students of exceptional ability who are interested in scholarly attainment, the individual specified regular classes.

Job Opportunities Many For ASU Students, Grads

The continuing influx of industry into Arizona is increasing the opportunities for ASU graduates.

Dr. Robert F. Menke, director of Arizona State University's Placement Center, says "Job opportunities are opening up nationally and internationally, as well as in Arizona, because of the many companies which have branches here and because ASU is attaining more prominence."

This past spring, representatives of 350 business firms and government agencies visited the ASU campus to recruit employees for their concerns. This was more than the number that recruited employ-



Dr. Robert F. Menke
Director Placement Center

ees at ASU in the year before. The strongest demand was for engineers, technicians and physical scientists.

Accountants and other business administration graduates are in strong demand. Most ASU graduates in the teach-

ing field go to work in Arizona.

"The greatest demand in educational placement is for those with elementary certificates who can teach in special fields, such as music, library work or girl's physical education. Teacher shortages in Arizona are also continuing at the high school level," notes Dr. Menke.

PART-TIME WORK

For the student who must work to supplement his income, Arizona State University, thanks to its location, is an ideal place to enroll. Located in the industrial and population center of the state, ASU offers many employment opportunities in Phoenix, Tempe, Mesa and Scottsdale businesses. Many on-campus part-time jobs are also available.

To help the student, ASU has the Placement Center, on the ground floor of the Administration building. All students interested in jobs will find it helpful to register there.

Band Welcomes New Members

Anyone interested in becoming a member of the Sun Devil Band should contact Harold Hines, director of bands, preferably during the summer months or on the first day of Freshman Week.

The first meeting of new members will be on Monday, Sept. 9, at 6:30 p.m. in the band building, annex 14.

This should be the finest year in the history of the nationally-famous band. Anticipation of better-than-ever personnel, new uniforms, a trip to California for the San Jose football game and new headquarters in the unique Grady Gamme Auditorium, designed by the late Frank Lloyd Wright, will highlight the year.

More Grads Back For Added Study

With the increasing demands of our technical age, more and more students either remain in college after receiving bachelor's degrees to continue studies or return later for advance degrees.

Thus it is of interest to young

students starting their academic career to know that Arizona State University offers well rounded and extensive graduate programs through its Graduate College, of which Dr. William J. Burke, executive vice president and professor of chemistry, is Dean.

The graduate program at ASU is growing rapidly and currently enrolls approximately 6,000 students who are working toward advanced degrees. This represents an increase of about 25 per cent over last year.

Master's degrees are offered in: anthropology, art, biological sciences, botany, chemistry, English, French, geography, geology, German, history, home economics, humanities, mathematics, music, philosophy, physical education, physics, political science.

Also, psychology, sociology, Spanish, speech, zoology, accounting, economics, engineering, business administration, public administration, and social work.

The Graduate College also offers the Education Specialist, Doctor of Education, and the Doctor of Philosophy degrees. The Ph. D. fields include botany, chemistry, education, English, engineering, mathematics, physics, psychology, and zoology.

Star Studies

There's a skyfull of stars shining in Arizona State University's Physical Sciences building.

Installed there is a Spitz Planetarium, with which ASU physical science teachers can put the images of 1,000 stars through their paces. A dome 20 feet in diameter tops the installation.



THE RIVALS, produced the first semester by ASU's University Players, is typical of the plays done each year by the thespians on campus. Open to any student for onstage and backstage work, the drama group is under the direction of Professors James Yeater and Frank Byers of the speech and drama department and it carries a full schedule of productions throughout the year.

SUN DEVIL ATHLETES GAIN NATIONAL HONORS

The name Arizona State University is becoming more and more familiar across the nation's sport pages as Sun Devil athletic teams achieve national acclaim.

And there's more in store for the 1963-64 athletic season with four sports seeking to improve on last season's laurels.

Rating-wise, the 1962 football team ended 12th in the nation in the United Press poll, the basketball team was third in UPI and fourth in Associated

Press, the baseball team reached the sixth spot in Collegiate Baseball newspaper's poll and the track squad cracked two world marks.

The Devils enter their second season as a member of the Western Athletic Conference, which should grow to become one of the country's top athletic conferences.

Other WAC members include University of Arizona, Brigham Young University, Utah University, University of Wyoming

and University of New Mexico. There'll be plenty opportunity to see the 1963 ASU football team in action with seven home football games scheduled.

The Devils open with Wichita Sept. 21 and fans will see West Texas State, Utah, Wyoming and Arizona before the season ends.

Coach Frank Kush will field a team fast gaining a reputation for playing fast and wide open football. Returning are 19 lettermen off last year's 7-2-1

team including the starting backfield. Speed is promised as ASU boasts seven halfbacks that can run the 100-yard dash in under 10 seconds.

While the backfield shows nothing but promise, Kush is worried about his interior line. Experience is shortest at these spots with the battle for starting slots wide open among several lettermen, junior college transfers and a crop of sophomores.

Coach Ned Wulk's basketball

warriors face perhaps the toughest challenge of any ASU team this year. Not only must they defend the WAC title won last year, but the Devils have to contend with one of the nation's roughest schedules.

Returning are four of the starting five off last year's 26-3 team and a fine group of sophomores that compiled a 10-4 record. Heading the returnees are All-America candidates jumping Joe Caldwell and Art Becker. Both averaged over 19

points a game last year as juniors and were named to several All-America squads.

Comprising the foreboding schedule are such national powerhouses as Wichita, Seattle, Stanford, Colorado State and Southern California at home with Bradley, Creighton, Colorado and Illinois on the road.

A bright future is forecast for baseball in 1963 as only one regular was graduated off last

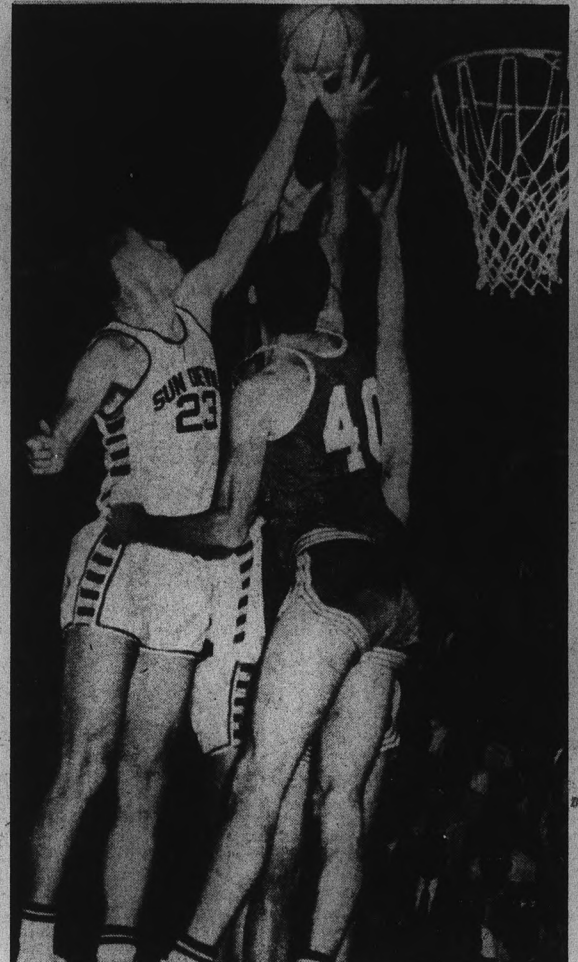
year's 34-13 team. Coach Bobby Winkles' crew should be tough at the plate, but has to improve defensively.

On the mound, three starters were lost through graduation and sophomores will have to take up the slack to get the Devils through their 47 game schedule which includes Michigan, Wisconsin and Los Angeles State plus WAC opponents New Mexico and Arizona in the Southern Division.

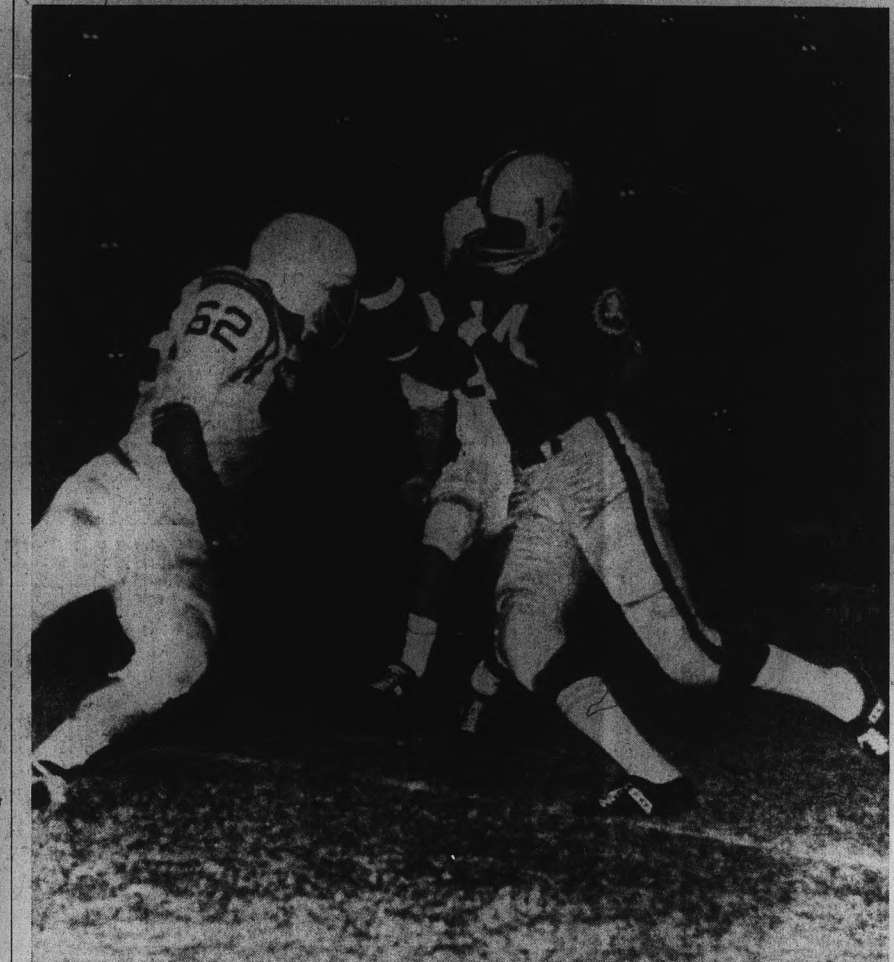
Shattering world records became a habit for the 1963 ASU track team. Coach Baldy Castillo's mile relay team broke the old world standard by more than a second and dashman Henry Carr set a new mark for the 220-yard dash around a curve.

Carr is back as is 440-yard man Ullis Williams, who, together form half the mile relay team. With the aid of a good distance runner, Castillo should be able to field one of his best balanced squads ever in his 13 years as ASU track mentor.

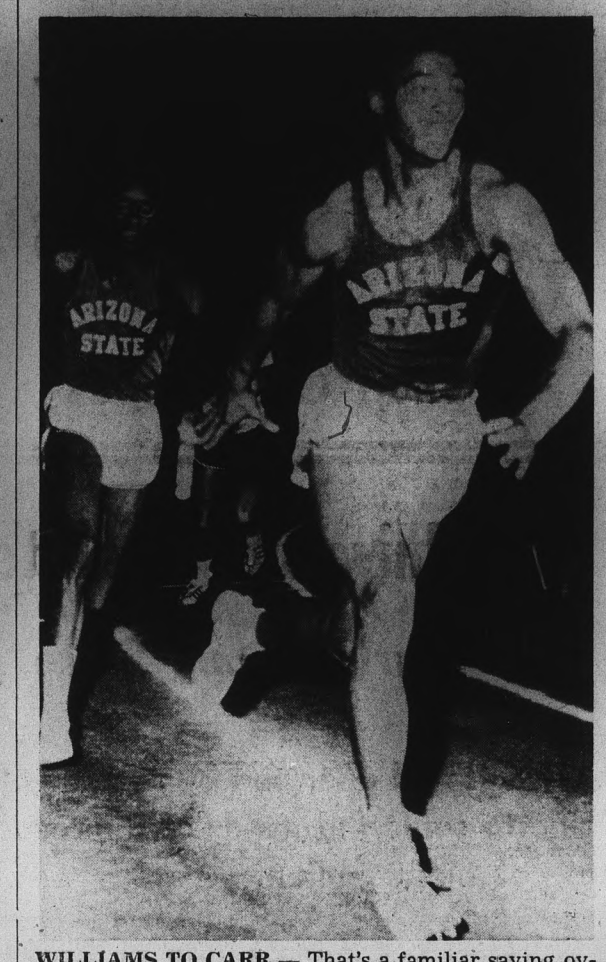
Coach Norris Stevenson's gymnasts were rubebersup in the WAC last season and return everyone from the 1963 team. Top men back include all-around performers Jerry Stansbury and Skip Johnson, tumbler Jim Nelson and ring men Chris Evans and Les Christianson.



BIG ART — Arizona State's Art Becker puts his 6-8 frame to use under the boards against Brigham Young University's John Wyatt in the Devils' Western Athletic Conference win last year. An All-America selection Becker returns along with three other starters off last year's 26-3 team to guide Devil basketball fortunes



SUN DEVIL CHANGE—One of ASU's many fine football standouts, scatback Larry Todd is shown displaying his talents before Texas Western College defenders. Todd is one of seven returning halfbacks who have been clocked in the 100-yard dash under 10 seconds.



WILLIAMS TO CARR — That's a familiar saying over the public address system at Arizona State University track meets during the 880-yard relay. Both Ullis Williams and Henry Carr were members of the world record-setting mile relay team of last year and Carr holds the 220-yard dash world record around a curve. Both return this year to thrill Sun Devil track fans.

Wrestling also returns the entire team for 1963-64. Back from last season's 9-4-1 squad are stalwarts Buzz Hays, Pete Russo, Dave Greer and Rick Jackson. Coach Ted Bredehoff is looking for an improvement over last year's fourth place WAC finish.

Golf Coach Bill Mann should field his strongest team in his three years at ASU. Last year's team compiled a 15-7-1 record and returns four top performers headed by Ted Lyford.

Tennis is improving as Bredehoff's racketeers finished 9-12 last season, the best record in recent seasons.

Tutoring the Sun Devil swimming fortunes will be Olympic coaches Dick Smith in diving and Walt Schlueter in swimming. Last season was ASU's first on an intercollegiate basis and a marked improvement should be seen this year.

Health Service Benefits All ASU Students

ASU's Student Health Service facilities are available to all full-time students, whether they live on campus or at home. The health service has 26 beds, and examination and treatment rooms, along with modern X-Ray and laboratory equipment and facilities.

A competent staff of physicians, medical technologists and registered nurses, along with a part-time psychiatrist, are on duty.

Clinic hours are from 8 a.m. to 4 p.m. Mondays through Fridays, and 9 a.m. to noon on Saturdays. Emergency patients are cared for at any time of the day or night, but after 10 p.m. must be accompanied by a patrolman from Campus Security.

Should a student become ill, bedside care is given in the infirmary for one week without charge. A nominal charge is made after that time should further care be needed.

Mrs. Elaine McFarland, R.N., heads the student health service staff.

ASU Fraternities, Sororities Active

Eleven sororities and 21 fraternities are active on the Arizona State University campus and all conduct formal rush period during the fall.

Coeds who want to join a sorority at ASU this fall should plan to be on campus ahead of Freshman Week for an orientation assembly, Friday, Sept. 6 at Palo Verde Hall.

In order to avoid conflicts with registration activities and classes, rush activities are scheduled only on weekends, and will extend for three weeks.

The Panhellenic Council at ASU represents the 11 national social sororities and publishes a handbook with is included with other freshman orientation material mailed to all incoming women during the summer. Detailed information concerning rush is contained in the handbook.

Fraternity rush begins Friday, Sept. 13, with an orientation assembly at 6:30 p.m. and open houses from 7-10. Open

Honorary Organizations Commend High Scholarship And Campus Leadership

Organized activities open to every student are a special feature of campus life at Arizona State University. Over 50 different organizations enrich academic and social life and provide an activity outlet for everyone who wants to participate.

Each separate group has its own purpose. An especially notable section of these organizations is devoted to honorary groups which commend high scholarship and campus leadership.

The honoraries, some national, some local, include: For men — Agrarians, agriculture; Alpha Delta Sigma, advertising; Alpha Mu Sigma, service; Arnold Air Society, ad-

vanced Air ROTC cadets; Blue Key, service; Delta Sigma Pi, business administration; Kappa Kappa Psi, band; Pershing Rifles, Army ROTC cadets; Phi Delta Kappa, education; Phi Epsilon Kappa, physical education; Phi Mu Alpha Sinfonia, music; Phi Eta Sigma, freshman men's scholastic; Pi Sigma Epsilon, sales.

For women — Alpha Lambda Delta, freshman women's scholastic society; Alpha Pi Epsilon, secretarial; Phi Upsilon Omicron and Beta Chi Epsilon, home economics; Gamma Alpha Chi, advertising; Natani, junior women's scholastic; Mortar Board, senior women's service group; Sigma Alpha Iota, music; Spurs, sophomore

women's service group; Tau Beta Sigma, band; Women's A Club, sports; Naiads, swimming.

For both men and women — Alpha Beta Alpha, library science; Alpha Mu Gamma, foreign language; Beta Beta Beta, biology; Gamma Theta Upsilon, geography; Kappa Delta Pi, education; Mu Rho Alpha, music; Pi Delta Epsilon, journalism; Pi Kappa Delta, forensics; Pi Omega Pi, commerce; Psi Chi, psychology; Alpha Kappa Delta, sociology; Theta Chi Epsilon, art; Orchestris, modern dance; Tau Beta Pi, engineering; and Phi Kappa Phi, national scholarship society equivalent of Phi Beta Kappa.

Library Is Culture, Educational Center

Like few buildings on the ASU campus, Matthews Library serves the entire campus community. The modern air-conditioned building provides excellent facilities and a growing collection of materials, including over 450,000 volumes.

The ever courteous and helpful staff efficiently serve the students and faculty members who seek out the library as they go about the business of a university; the pursuit of knowledge.

What brings the students to the library? Most often, it's a daily class assignment or a book on reserve that cannot be taken out. It's next to impossible to write a term paper or a thesis without visiting the library. Aside from class assignments

which require reference books, many students bring their own textbooks to the library, seeking a quiet atmosphere conducive to study.

Arranged in ASU's Matthews Library are reading rooms for education, humanities, science and technology, the social sciences and Business Administration. In addition, there are a well-stocked reference reading room and a current periodical area with over 4,000 current subscriptions available on open shelves.

A well-equipped music listening room permits students to enjoy the finest in classical recordings and FM radio programs. Available in the stacks are 140 individual carrels, for convenient study.

Here Is Freshman Week Program - Bring It With You September 9th

ORIENTATION WEEK 1963-64		Thursday, September 12		Friday, September 13		Saturday, September 14		COLLEGE OF EDUCATION			
General Schedule For All New Freshman Students This program applies to all new students. Monday, Tuesday and Wednesday are scheduled according to colleges, the individual schedules of which are included here. Each student on these days should follow the schedules outlined for the college he wishes to enter. Students who have not yet selected a college or "major," should follow the schedule of the College of Liberal Arts.		Freshman registration, follow instructions in registration materials. Painting of the "A". Pep rally.		ACT exams, Life Sciences 191. X-Rays, Student Health Service. Frosh Splash.		X-Rays, Student Health Service. Freshman Mixer, Memorial Union.		Monday University Orientation Assembly, Men's Gym.			
GENERAL SCHEDULE FOR ALL STUDENTS		COLLEGE OF ENGINEERING SCIENCES		COLLEGE OF BUSINESS ADMINISTRATION		Monday		Monday			
Monday, September 9 8:15 a.m. University Orientation Assembly — Men's Gym. 9:30 a.m. - 5 p.m. FOLLOW THE INDIVIDUAL COLLEGE SCHEDULE OF THE COLLEGE YOU ARE ENTERING. 8 p.m. President's Reception.		Monday 8:15 a.m. University Orientation, Men's Gym. 9:30 - 10 a.m. Pick up registration materials, Physical Education Annex. 10 a.m. - 12 Noon College of Engineering Sciences' orientation and group advisement, Life Sciences 191. 1 - 4 p.m. Individual division advisement, Engineering Center.		Monday 8:15 a.m. University Orientation Assembly, Men's Gym. 10 - 10:30 a.m. Pick up registration materials, Physical Education Annex. 10:30 a.m. - 12 Noon College of Business Administration Orientation, BA 203. 1 - 3 p.m. Departmental orientation and group advisement, BA building. 3:15 - 5 p.m. Mathematics Testing required of all BA students, BA 203.		Monday 8:15 a.m. University Orientation Assembly, Men's Gym. 10 - 10:30 a.m. Pick up registration materials, Physical Education Annex. 10:30 a.m. - 12 Noon College of Business Administration Orientation, BA 203. 1 - 3 p.m. Departmental orientation and group advisement, BA building. 3:15 - 5 p.m. Mathematics Testing required of all BA students, BA 203.		Monday 8:15 a.m. University Orientation Assembly, Men's Gym. 9:30 - 11 a.m. College of Liberal Arts orientation, Men's Gym.		Monday 8:15 a.m. University Orientation Assembly, Men's Gym. 9:30 - 11:30 a.m. College of Education orientation, Memorial Union Ballroom. 1 - 1:30 p.m. Pick up registration materials, Physical Education Annex. 1:30 - 3 p.m. Departmental orientation and group advisement. 3:45 - 5 p.m. Mathematics Testing for math majors, BA 203. X-Rays by appointment.	
Tuesday, September 10 8 a.m. - 5 p.m. FOLLOW THE INDIVIDUAL COLLEGE SCHEDULE OF THE COLLEGE YOU ARE ENTERING. 7 p.m. Phrateres Reception for off-campus women, Memorial Union. 8 p.m. AWS Assembly in Memorial Union; AMS Assembly in BA 203.		Tuesday 8 - 10 a.m. Individual division advisement, Engineering Center. 10 a.m. - 5 p.m. Individual advising, Engineering Center. X-Rays by appointment. 3:30 - 5 p.m. Foreign Language Testing, required of all students taking foreign language course, BA 203.		Tuesday 8 - 9 a.m. Departmental Orientation. Individual Advising. X-Rays by appointment. 9:30 a.m. - 5 p.m. Orientation Assemblies, Channel 8, TV. Individual Advising. X-Rays by appointment. 1 - 5 p.m. ACT exams, Life Sciences 191. 1 - 4 p.m. English 101 Exemption Testing, Social Sciences 101.		Tuesday 8 - 9:30 a.m. Orientation Assemblies, Channel 8, TV. Individual division advising. X-Rays by appointment. 10 a.m. - 12 Noon ACT exams, Life Sciences 191. 1 - 5 p.m. English 101 Exemption Test, Social Sciences 101.		Tuesday 8 - 10:30 a.m. A-L College of Education Achievement Test; BA Building 203. 8 a.m. - 12 Noon M-Z Individual Advisement by appointment. X-Rays by appointment. 1 - 3:30 p.m. M-Z College of Education Achievement Test, BA Building 203. 1 - 5 p.m. A-L Individual Advisement by appointment. X-Rays by appointment. 3:30 - 5 p.m. Foreign Language Testing, required of all students planning foreign language courses, BA 203.		Tuesday 8 - 9:30 a.m. Orientation Assemblies, Channel 8, TV. Individual advisement by appointment. X-Rays by appointment. 10 a.m. - 12 Noon ACT exam, Life Sciences 191. 1 - 5 p.m. English 101 Exemption Test, Social Sciences 101. Individual advisement by appointment. X-Rays by appointment.	
Wednesday, September 11 8 - 8:30 a.m. and 9 - 9:30 a.m. General Orientation Assemblies, Channel 8, T.V., viewing locations posted in Memorial Union. 10 a.m. - 12 noon FOLLOW THE INDIVIDUAL COLLEGE SCHEDULE OF THE COLLEGE YOU ARE ENTERING. X-Rays by appointment. 1 p.m. - 5 p.m. ACT Test, required of all who have not taken this exam, \$4 testing fee, Life Sciences Center, Room 191. 1 p.m. - 4 p.m. English 101 Exemption Test, Social Sciences 101, for those who have taken ACT test. 5:30 p.m. Picnic, campus, south of Memorial Union. 7 - 7:30 p.m. General Orientation Assemblies, Channel 8, TV.		Wednesday 8 - 9:30 a.m. Orientation Assemblies, Channel 8, TV. Individual division advising. X-Rays by appointment. 10 a.m. - 12 Noon ACT exams, Life Sciences 191. 1 - 5 p.m. English 101 Exemption Test, Social Sciences 101.		Wednesday 8 - 9:30 a.m. Orientation Assemblies, Channel 8, TV. Individual Advising. ACT exams, Life Sciences 191. 10 a.m. - 12 Noon English 101 Exemption Test, Social Sciences 101.		Wednesday 8 - 9:30 a.m. Orientation Assemblies, Channel 8, TV. Individual Advising. ACT exams, Life Sciences 191. 10 a.m. - 12 Noon English 101 Exemption Test, Social Sciences 101.		Wednesday 8 - 9:30 a.m. Orientation Assemblies, Channel 8, TV. Individual advisement by appointment. X-Rays by appointment. 10 a.m. - 12 Noon ACT exam, Life Sciences 191. 1 - 5 p.m. English 101 Exemption Test, Social Sciences 101.		Wednesday 8 - 9:30 a.m. Orientation Assemblies, Channel 8, TV. Individual advisement by appointment. X-Rays by appointment. 10 a.m. - 12 Noon ACT exam, Life Sciences 191. 1 - 5 p.m. English 101 Exemption Test, Social Sciences 101.	

SPECIAL INFORMATION FOR TRANSFER STUDENTS
All new transfer students who have not obtained a clearance card for the American College Test (ACT) must report to Room 191, Life Sciences Center on September 11 at 1 p.m. or September 13 at 8:30 a.m. Testing fee is \$4. Test Clearance Card is required for admission to the Registration Hall for final registration.
Classes begin September 16.

Welcome Freshmen

The University Bookstore Is At Your Service

Come In And 'Shop Around' Before The Big 'Rush'

Shop On Campus

The University Bookstore

" . . . Your Campus Store . . . "

. . . Owned and operated by Arizona State University; to serve the needs of the students and faculty of this institution.

. . . Stocking a complete line of books — textbooks, reference, and general reading. A vast assortment of the best paperbounds.

. . . School supplies — Paper, Pencils, Pens, Notebooks, and all supplies necessary for the proper completion of your school work.

. . . Engineering Equipment—the widest assortment of the finest engineering supplies in the country—approved by the School of Engineering. The very best at the lowest prices to be found anywhere.

. . . Art Supplies and Equipment — a complete selection of the very best. All types of paints, brushes, paper, canvas, etc.

. . . A complete college line—monogrammed shirts, jackets and sweatshirts. Decals and college souvenirs . . . Pennants, ceramics and college jewelry.

. . . Stationery — both social and engraved papers. Numerous types of both boxed and open stock.

Save More Money

Regular Hours

8 - 7 Monday thru Thursday

8 - 4:30 Friday

9 - 1 Saturday

- . . . Early purchases assure you of buying the books and supplies you need while stock is plentiful.
- . . . Shop before the "rush" and make your adjustments later.
- . . . **Full 15 day refund period beginning with registration day.**
- . . . **No refunds are made without a cash register receipt.**
- . . . Merchandise to be refunded must be in new and resalable condition.
- . . . Do not remove price tags or book covers.
- . . . The cash register receipt must accompany merchandise to be returned.

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